



1.2.2 Number of Add on /Certificate programs offered during the last five years (samples)

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1.2.2 Number of Add on /Certificate programs offered during the last five years

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1.2.2 Details of Add on /Certificate programs offered for the year 2020-2021

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
CIVIL			
VAC- Construction Technology	CVA001	30 hrs	27
MHRD sponsored IIT Bombay certification course on "QCAD"- II Yr	-	30 hrs	18
MHRD sponsored IIT Bombay certification course on "INKSCAPE"- III Yr	-	30 hrs	21
MHRD sponsored IIT Bombay certification course on "LATEX"- IV Yr	-	30 hrs	33
SWAYAM course on "Earth sciences for Civil Engineering : Part I & II" - II Yr	SWAYAM	30 Hrs	11
SWAYAM course on "GPS Surveying" - II Yr	SWAYAM	30 Hrs	8
SWAYAM course on "Reinforced Concrete road bridges"- III Yr	SWAYAM	30 Hrs	12
SWAYAM course on "Project planning and control"-III Yr	SWAYAM	30 Hrs	10
SWAYAM course on "Global navigation satellite systems"- III Yr	SWAYAM	30 Hrs	6
SWAYAM course on "Advanced concrete Technology" - IV Yr	SWAYAM	30 Hrs	18
SWAYAM course on "Project planning and control" - IV Yr	SWAYAM	30 Hrs	12
SWAYAM course on "Design of reinforced concrete structures" - IV Yr	SWAYAM	30 Hrs	9
MHRD sponsored IIT Bombay certification course on "GIMP"- II Yr	-	30hrs	18
MHRD sponsored IIT Bombay certification course on "BLENDER"- III Yr	-	30hrs	21
MHRD sponsored IIT Bombay certification course on "BLENDER"- IV Yr	-	30hrs	33
SWAYAM course on "INTRODUCTION TO CIVIL ENGINEERING PROFESSION" - II Yr	SWAYAM	30 Hrs	8
SWAYAM course on "SAFETY IN CONSTRUCTION" - II Yr	SWAYAM	30 Hrs	7
SWAYAM course on "PRINCIPLES OF CONSTRUCTION MANAGEMENT" - II Yr	SWAYAM	30 Hrs	5
SWAYAM course on "ADVANCED FOUNDATION ENGINEERING"- III Yr	SWAYAM	30 Hrs	12

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
SWAYAM course on "DIGITAL LAND SURVEYING AND MAPPING(DLS&M)" III Yr	SWAYAM	30 Hrs	10
SWAYAM course on "GEOMORPHOLOGY" - III Yr	SWAYAM	30 Hrs	5
SWAYAM course on "Development and application of special Concrete" IV Yr	SWAYAM	30 Hrs	15
SWAYAM course on "Safety in construction" IV Yr	SWAYAM	30 Hrs	16
SWAYAM course on "Geographic Information Systems" IV Yr	SWAYAM	30 Hrs	8
CSE			
Value Added Course on VB.NET - III YR	IVA005	45 hrs	44
Swayam/Python for Datascience	SWAYAM	4 weeks	17
Swayam/Computer Graphics	SWAYAM	8 Weeks	9
Swayam/Robotics	SWAYAM	8 Weeks	1
Swayam/Programming in C++	SWAYAM	8 Weeks	16
Swayam/Programming in JAVA	SWAYAM	12 Weeks	2
Swayam/Advanced c++	SWAYAM	4 weeks	1
MHRD sponsored IIT Bombay certification course on "LINUX" - II Yr	-	30 hrs	48
MHRD sponsored IIT Bombay certification course on "JAVA" - III Yr	-	30 hrs	43
MHRD sponsored IIT Bombay certification course on "DRUPAL" - IV Yr	-	30 hrs	44
Academic/Professional Societies II Yr	-	15 hrs	42
Academic/Professional Societies-III Yr	-	15 hrs	39
Swayam/Cyber security- II yr, III yr, IV yr	SWAYAM	8 weeks	52
MHRD sponsored IIT Bombay certification course on "PHP and MY SQL" - II Yr	-	30 hrs	48
MHRD sponsored IIT Bombay certification course on "Blender" - III Yr	-	30 hrs	44
MHRD sponsored IIT Bombay certification course on "Latex" - IV Yr	-	30 hrs	44
Refresher course on "C Programming" - II yr	-	30hrs	49
ECE			
VAC- Real Time Electronics System Design	IVA019	30hrs	39
Swayam-Digital Image Processing	SWAYAM	12 Weeks	37
Swayam-Python for Data Science	-	4 Weeks	27
Swayam- Fundamentals of Electronic Devices Fabrication	-	4 Weeks	43

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
MHRD sponsored IIT Bombay certification course on "SCILAB"– II Yr	-	30 hrs	43
MHRD sponsored IIT Bombay certification course on "INSCAPE"– III Yr	-	30 hrs	39
MHRD sponsored IIT Bombay certification course on "ARDUINO"– IV Yr	-	30 hrs	42
Academic/Professional Societies II Yr	-	15 hrs	42
Academic/Professional Societies-III Yr	-	15 hrs	39
SWAYAM course on "Electronic Waste management Issues and Challenges" - II Yr	-	4 Weeks	37
SWAYAM course on "Awareness Program on Solar water pumping system"	-	4 Weeks	38
MCC on "Smart Materials and Intelligent System Design" IV Yr	-	4 Weeks	33
MCC course on "Awareness Program on Solar water pumping system" IV Yr	-	4 Weeks	42
EEE			
VAC- ADVANCES IN SOLAR ENERGY TECHNOLOGIES	EVA002	30 hours	15
Swayam course on "Advances in UHV Transmission and Distribution" IV Yr	-	8 Weeks	4
MHRD sponsored IIT Bombay certification course on Inkscape - II-EEE	-	30 hours	7
MHRD sponsored IIT Bombay certification course on eSim II-EEE	-	30 hours	7
MHRD sponsored IIT Bombay certification course on Inkscape - III – EEE	-	30 hours	12
MHRD sponsored IIT Bombay certification course on eSim III – EEE	-	30 hours	13
MHRD sponsored IIT Bombay certification course on LaTeX - IV – EEE	-	30 hours	13
MHRD sponsored IIT Bombay certification course on GIMP IV – EEE	-	30 hours	13
Swayam course on "Electronic Waste Management - Issues and Challenges"	-	4 Weeks	25
Swayam course on "A brief introduction of micro sensors" IV Yr	-	4 Weeks	25

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
MECH			
MHRD sponsored IIT Bombay certification course on "LaTeX"- II Yr	-	30 hours	68
MHRD sponsored IIT Bombay certification course on "OpenFOAM"- III Yr	-	30 hours	59
MHRD sponsored IIT Bombay certification course on "QCAD"- IV Yr	-	30 hours	40
VAC- Energy Resources and Management	MVA010	3 Months	59
English communication skill development (IV Year)	-	30hrs	88
GATE/Competitive exam coaching (II & III Year)	-	30hrs	103
SWAYAM/NPTEL Educational Training Programme - Non-Traditional Abrasive Machining Processes Ultrasonic, Abrasive Jet and Abrasive Water Jet Machining	-	4 Weeks	27
SWAYAM/NPTEL Educational Training Programme - Inspection & Quality Control in Manufacturing	-	4 Weeks	8
SWAYAM/NPTEL Educational Training Programme - Machining Science	-	4 Weeks	9
SWAYAM/NPTEL Educational Training Programme - Metal Cutting & Machine Tools	-	4 Weeks	1
SWAYAM/NPTEL Educational Training Programme - Inspection & Quality Control in Manufacturing	-	4 Weeks	17
SWAYAM/NPTEL Educational Training Programme - Manufacturing Processes- Casting & Joining	-	4 Weeks	3
SWAYAM/NPTEL Educational Training Programme - Convective heat transfer	-	4 Weeks	3
MHRD sponsored IIT Bombay certification course on "Blender"- II Yr	-	30 hrs	4
MHRD sponsored IIT Bombay certification course on "Blender"- III Yr	-	30 hrs	60
MHRD sponsored IIT Bombay certification course on "GIMP"- IV Yr	-	30 hrs	40
S & H			
UHV Module-I	-	32 hours	218
T & P			
Training & Placement (Soft Skills & Aptitude) II Yr	T&P(S,A)	16 Hrs	164
Training & Placement (Soft Skills & Aptitude) III Yr	T&P(S,A)	32 Hrs	185
Training & Placement (Soft Skills & Aptitude) IVYr	T&P(S,A)	52 Hrs	208

1.2.2 Details of Add on /Certificate programs offered for the year 2019-2020

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
CIVIL			
VAC- Construction Technology	CVA001	30hrs	27
MHRD sponsored IIT Bombay certification course on "QCAD" – II Yr	-	30hrs	27
MHRD sponsored IIT Bombay certification course on "INKSCAPE" – III Yr	-	30hrs	33
MHRD sponsored IIT Bombay certification course on "LATEX" – IV Yr	-	30hrs	38
Communication Skill II Yr	-	15 hrs	28
MHRD sponsored IIT Bombay certification course on "GIMP" – II Yr	-	30hrs	20
MHRD sponsored IIT Bombay certification course on "GIMP" – III Yr	-	30hrs	29
MHRD sponsored IIT Bombay certification course on "GIMP" – IV Yr	-	30hrs	37
SWAYAM course on "Safety in Construction" II Yr	SWAYAM	30 Hrs	16
SWAYAM course on "Introduction to Civil Engineering Profession" II Yr	SWAYAM	30 Hrs	12
SWAYAM course on "Project planning and control" III Yr	SWAYAM	30 Hrs	20
SWAYAM course on "Global navigation satellite systems" III Yr	SWAYAM	30 Hrs	18
SWAYAM course on "Development and application of special Concrete" IV Yr	SWAYAM	30 Hrs	21
SWAYAM course on "Advanced Foundation Engineering" IV Yr	SWAYAM	30 Hrs	18
SWAYAM course on "Safety in Construction" IV Yr	SWAYAM	30 Hrs	17
CSE			
Skill Development Course on Scratch and App Inventor (II & III & IV Year)	-	7 Days	126
Skill Development Course on Java & its advanced features (II & III & IV Year)	-	7 Days	126
Skill Development Course on Machine Learning Techniques - WEKA Tool (II & III & IV Year)	-	3Days	126
GATE / Competitive Exam - III Yr	-	15hrs	44

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
NPTEL/Software Testing -IV Yr	NPTEL	30hrs	40
Swayam-Python for Data science IV Yr	SWAYAM	4 weeks	40
Refresher Course-Programming in Python - IV Yr	-	30hrs	38
MHRD sponsored IIT Bombay certification course on LaTeX – Iv yr	-	30hrs	37
MHRD sponsored IIT Bombay certification course on PHP and MySQL III yr	-	30hrs	41
MHRD sponsored IIT Bombay certification course on Blender – II yr	-	30hrs	41
MHRD sponsored IIT Bombay certification course on “SCILAB” (II Yr)	-	30hrs	41
MHRD sponsored IIT Bombay certification course on “LATEX” (III Yr)	-	30hrs	41
MHRD sponsored IIT Bombay certification course on “LATEX” (IV Yr)	-	30hrs	37
VAC -VB.NET- III Yr	-	45hrs	46
MHRD sponsored IIT Bombay certification course on Drupal – Iv yr	-	30days	40
MHRD sponsored IIT Bombay certification course on Java – III Yr	-	30 days	41
MHRD sponsored IIT Bombay certification course on Linux – II Yr	-	30days	41
ECE			
VAC- Real Time Electronic System Design	IVA019	30 hrs	43
MHRD sponsored IIT Bombay certification course on "SCILAB"- II Yr	-	30 hrs	38
MHRD sponsored IIT Bombay certification course on "LATEX"- III Yr	-	30 hrs	45
MHRD sponsored IIT Bombay certification course on "LATEX"- IV Yr	-	30 hrs	51
Communication Skill II Yr	-	15 hrs	38
Academic/Professional Societies II Yr	-	15 hrs	14
Academic/Professional Societies-III Yr	-	15 hrs	8
Gate Coaching – III Yr	-	15 hrs	17
Mini Project- III Yr	-	15 hrs	43
MCC on “Electronic Waste management Issues and Challenges” - IV Yr	-	4 weeks	46
MCC on “A Brief introduction to Micro sensor” IV Yr	-	4 weeks	4

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
MCC on Stanford online certificate course on “Machine Learning” IV Yr	-	2 Months	1
MCC on Stanford online certificate course on “Introduction to cyber Attacks” IV Yr	-	2 Months	1
IOT- Siemens Center for Excellence (Margadharshan Scheme)	-	40 Hours	17
MHRD sponsored IIT Bombay certification course on "ARDUINO"– II Yr	-	30 hrs	39
MHRD sponsored IIT Bombay certification course on "eSIM"– III Yr	-	30 hrs	42
MHRD sponsored IIT Bombay certification course on "eSIM"– IV Yr	-	30 hrs	51
EEE			
VAC-Advances In Solar Energy Technologies – III Yr	EVA002	30 Hours	15
Course (LVS-SWPD & LV-PAC) Conducted at Siemens Centre of Excellence in Manufacturing, NIT, Trichy. III & IV	-	40 Hours	7
MHRD sponsored IIT Bombay certification course on “SCILAB” (II Yr)	-	30 Hours	15
MHRD sponsored IIT Bombay certification course on “OSCAD” (III Yr)	-	30 Hours	15
MHRD sponsored IIT Bombay certification course on “LATEX” (IV Yr)	-	30 Hours	11
MECH			
English Communication Programme (II Year)	-	30hrs	61
MHRD sponsored IIT Bombay certification course on "Blender"– II Yr	-	30 hrs	87
MHRD sponsored IIT Bombay certification course on "Blender"– III Yr	-	30 hrs	64
MHRD sponsored IIT Bombay certification course on "GIMP"– IV Yr	-	30 hrs	55
MHRD sponsored IIT Bombay certification course on "LaTeX"– II Yr	-	30 hrs	87
MHRD sponsored IIT Bombay certification course on "OpenFOAM"– III Yr	-	30 hrs	69
MHRD sponsored IIT Bombay certification course on "QCAD"– IV Yr	-	30 hrs	55

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
S & H			
UHV Module-I	-	31 hours	168
T & P			
Training & Placement (Soft Skills & Aptitude) II Yr	T&P(S,A)	42 Hrs	187
Training & Placement (Soft Skills & Aptitude) III Yr	T&P(S,A)	40 Hrs	209
Training & Placement (Soft Skills & Aptitude) IVYr	T&P(S,A)	42 Hrs	247

1.2.2 Details of Add on /Certificate programs offered for the year 2018-2019

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
CIVIL			
CDC Communication skills III Yr	CV301	15 hrs	58
GATE Coaching III Yr	CV302	15 hrs	58
Swayam course - II Yr GPS Surveying	SWAYAM	30 hrs	11
Swayam course - II Yr Earth sciences for Civil Engineering : Part I & II	SWAYAM	30 hrs	12
Swayam course - II Yr Advanced Concrete Technology	SWAYAM	30 hrs	10
Swayam course - II Yr Reinforced Concrete Road Bridges	SWAYAM	30 hrs	9
CDC - Basic Technical Concepts of Civil Engineering - II Yr	CV 201	15 hrs	42
Communication skills-III yr	-	15 hrs	58
GATE coaching-III yr	-	15 hrs	58
CDC - Valuation and Approval process -III yr	CV301	15 hrs	58
CDC-Job opportunities in Civil Engineering -III yr	CV302	15 hrs	58
CDC- Preparation for Competitive Exams -III yr	CV303	15 hrs	58
Valuation and approval process -IV Yr	CV 401	15 hrs	109
Basic Technical Concepts of Civil Engineering -IV Yr	CV 402	15 hrs	109
Communication skills -IV Yr	CV 403	15 hrs	109
Site marking and related activities -IV Yr	CV 404	15 hrs	109
Civil Engineering Measurements -IV Yr	CV 405	30 hrs	109
MCC (Staad Pro) IV Yr	-	30 hrs	109
MHRD sponsored IIT Bombay certification course on "QCAD"- II Yr	-	30 hrs	33
MHRD sponsored IIT Bombay certification course on "INKSCAPE"- III Yr	-	30 hrs	38
MHRD sponsored IIT Bombay certification course on "LATEX"- IV Yr	-	30 hrs	105
CSE			
Java Programming - III CSE	CS301	30 hrs	42
GATE Coaching - III YR	CS302	30 hrs	42
DM – Data Mining- IV YR	CS401	30 hrs	55
ES – Embedded System - IV YR	CS401	30 hrs	15
NS2 – Network Simulator 2 - IV YR	CS401	30 hrs	19
Python Programming - IV YR	CS402	30 hrs	21
Communication & Presentation Skills -III YR	CS303	30 hrs	41
Quantitative Aptitude reasoning- IV YR	CS403	15 hrs	55
Technical Aptitude Skills -IV YR	CS404	15 hrs	55

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
Python Programming - IV YR	CS405	45 hrs	30
Web Designing-IV YR	CS406	50 hrs	25
Swayam course on “ Biomedical Signal Processing”- III Yr	SWAYAM	30 hrs	13
MHRD sponsored IIT Bombay certification course on “SCILAB” (II Yr)	-	30 hrs	38
MHRD sponsored IIT Bombay certification course on “LATEX” (III Yr)	-	30 hrs	40
MHRD sponsored IIT Bombay certification course on “Latex” (IV Yr)	-	30 hrs	56
Networking & Troubleshooting	CS202	45 hrs	48
ECE			
C, C++ Programming -IV Yr	-	30 hrs	35
Interview skills-IV Yr	-	15 hrs	35
PCB layout -IV Yr	-	15 hrs	45
Swayam Course on “ A brief Introduction to Micro Sensors”-IV Yr	-	30 hrs	51
Swayam course on “ An Introduction to linear Block Codes” -III Yr	-	30 hrs	13
Swayam course on “ An Introduction to linear Block Codes” -II Yr	-	30 hrs	8
GATE coaching -IV Yr	-	30 hrs	35
GATE coaching -III Yr	-	30 hrs	13
Labview III Yr	-	15 hrs	12
IEI/IETE - III Yr	-	15 hrs	12
GATE coaching - III Yr	-	30 hrs	15
GATE coaching - IV Yr	-	30 hrs	22
Swayam course on “ Biomedical Signal Processing”- III Yr	-	4 weeks	15
MCC on "System Design Using Embedded C Programming"	-	30 hrs	44
MCC on "CCTV Installation And Servicing"	-	30 hrs	47
MHRD sponsored IIT Bombay certification course on "LINUX"- II Yr	-	30 hrs	42
MHRD sponsored IIT Bombay certification course on "SCILAB"- III Yr	-	30 hrs	51
MHRD sponsored IIT Bombay certification course on "LATEX"- IV Yr	-	30 hrs	91

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
EEE			
Value Added Course on "Solar Panel Installation" -III EEE	-	30 hours	13
Basics in Electrical & Electronics Engineering - III Yr	-	30 hours	13
MHRD sponsored IIT Bombay certification course on "LATEX" (III Yr)	-	30 hours	13
MHRD sponsored IIT Bombay certification course on "SCILAB" (II Yr)	-	30 hours	15
MHRD sponsored IIT Bombay certification course on "OSCAD" (III Yr)	-	30 hours	13
MHRD sponsored IIT Bombay certification course on "LATEX" (IV Yr)	-		40
MCC on Solar Panel Installation – IV Yr	-	30 hours	48
GATE Coaching - III Yr	-	15 hours	13
Programming in C	-	15 hours	49
Basics in Electrical & Electronics Engineering	-	30 hours	49
Communication Skills	-	15 hours	49
MECH			
MHRD sponsored IIT Bombay certification course on "LaTeX"	-	30 hrs	116
GATE Coaching (III Year)	ME301	30hrs	96
Language Improvement Skills (III Year)	ME302	30hrs	96
Recent Advances in Mechanical Engineering (III Year)	ME303	30hrs	96
Basic Calculations in Machine Design (III Year)	ME304	30hrs	96
Drawing & Reading Skills (IV Year)	ME401	30hrs	121
GATE coaching (IV Year)	ME403	30hrs	121
Language Improvement Skills (IV Year)	ME404	30hrs	121
S & H			
UHV Module-I	-	30 hours	213
T & P			
Training & Placement (Soft Skills & Aptitude) II Yr	T&P(S,A)	32 Hrs	213
Training & Placement (Soft Skills & Aptitude) III Yr	T&P(S,A)	40 Hrs	253
Training & Placement (Soft Skills & Aptitude) IVYr	T&P(S,A)	42 Hrs	423

1.2.2 Details of Add on /Certificate programs offered for the year 2017-2018

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
CIVIL			
MHRD sponsored IIT Bombay certification course on "QCAD" (IV Yr)	-	30 hrs	115
MHRD sponsored IIT Bombay certification course on "LATEX" (IV Yr)	-	30 hrs	93
MHRD sponsored IIT Bombay certification course on "INKSCAPE" (III Yr)	-	30 hrs	108
My Credit Course (Staad Pro.) IV Yr	MCC	30 hrs	117
CSE			
Mini Project - II YR	MP	30 hrs	44
GATE / Competitive Exam - III YR	GATE/CE	30 hrs	58
MHRD sponsored IIT Bombay certification course on "LINUX" (II Yr)	-	30 hrs	40
MHRD sponsored IIT Bombay certification course on "NET BEANS" (III Yr)	-	30 hrs	57
MHRD sponsored IIT Bombay certification course on "LATEX" (IV Yr)	-	30 hrs	34
Web Designing & Development - IV YR	WDD001	45	17
Android App Development - IV YR	AAD 01	45	17
MHRD sponsored IIT Bombay certification course on "ADVANCED CPP" (II Yr)	-	30 hrs	40
MHRD sponsored IIT Bombay certification course on "PYTHON" (III Yr)	-	30 hrs	57
MHRD sponsored IIT Bombay certification course on "PHP and MySQL" (IV Yr)	-	30 hrs	34
ECE			
MHRD sponsored IIT Bombay certification course on "SCILAB" - IV Yr	-	30 hrs	41
GATE / Competitive Exam (III Yr)	GATE/CE	30 hrs	38
Mini Project (II Yr)	MP	30 hrs	56
MHRD sponsored IIT Bombay certification course on "LATEX" - IV Yr	-	30 hrs	41
MHRD sponsored IIT Bombay certification course on "OSCAD" - III Yr	-	30 hrs	97
GATE / Competitive Exam (III Yr)	GATE/CE	30 hrs	38
MCC on "Digital System Design & Verification Using EDA Tools" (IV Yr)	-	30 hrs	25
MCC on "Internet of Things" (IV Yr)	-	30 hrs	18

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
EEE			
MCC on "Embedded Systems" (IV Year)	-	30 hrs	27
MHRD sponsored IIT Bombay certification course on "LaTeX"– IV Yr	-	30 hrs	27
MECH			
MCC - Computer Aided Modeling and Manufacturing (IV Year)	-	30 hrs	121
MCC -Non Destructive Testing (IV Year)	-	30 hrs	121
GATE Coaching	-	12 hrs	121
MHRD sponsored IIT Bombay certification course on "LaTeX"– II Yr	-	30 hrs	105
MHRD sponsored IIT Bombay certification course on "Inkscape"– III Yr	-	30 hrs	120
MHRD sponsored IIT Bombay certification course on "OpenFOAM"– IV Yr	-	30 hrs	120
GATE Coaching	-	12 hrs	122
MHRD sponsored IIT Bombay certification course on "QCAD"– IV Yr	-	30 hrs	105
T & P			
Training & Placement (Soft Skills & Aptitude) II Yr Civil A	T&P(S)	25 hrs	67
Training & Placement (Soft Skills & Aptitude) II Yr Civil B	T&P(S)	19 hrs	
Training & Placement (Soft Skills & Aptitude) II Yr CSE	T&P(S)	30 hrs	43
Training & Placement (Soft Skills & Aptitude) II Yr ECE A	T&P(S)	22 hrs	29
Training & Placement (Soft Skills & Aptitude) II Yr ECE B	T&P(S)	16 hrs	27
Training & Placement (Soft Skills & Aptitude) II Yr EEE	T&P(S)	15 hrs	16
Training & Placement (Soft Skills & Aptitude) II Yr MECH A	T&P(S)	18 hrs	49
Training & Placement (Soft Skills & Aptitude) II Yr MECH B	T&P(S)	22 hrs	47
Training & Placement (Soft Skills & Aptitude) III Yr Civil A	T&P(A)	32 hrs	61
Training & Placement (Soft Skills & Aptitude) III Yr Civil B	T&P(A)	34 hrs	60
Training & Placement (Soft Skills & Aptitude) III Yr CSE	T&P(A)	35 hrs	60
Training & Placement (Soft Skills & Aptitude) III Yr ECE A	T&P(A)	38 hrs	50

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
Training & Placement (Soft Skills & Aptitude) III Yr ECE B	T&P(A)	37 hrs	49
Training & Placement (Soft Skills & Aptitude) III Yr EEE	T&P(A)	30 hrs	50
Training & Placement (Soft Skills & Aptitude) III Yr MECH A	T&P(A)	35 hrs	61
Training & Placement (Soft Skills & Aptitude) III Yr MECH B	T&P(A)	36 hrs	63
Training & Placement (Soft Skills & Aptitude) IV Yr Civil A	T&P(S)	14 hrs	58
Training & Placement (Soft Skills & Aptitude) IV Yr Civil A	T&P(A)	11 hrs	58
Training & Placement (Soft Skills & Aptitude) IV Yr Civil B	T&P(S)	14 hrs	60
Training & Placement (Soft Skills & Aptitude) IV Yr Civil B	T&P(A)	12 hrs	60
Training & Placement (Soft Skills & Aptitude) IV Yr CSE	T&P(S)	17 hrs	34
Training & Placement (Soft Skills & Aptitude) IV Yr CSE	T&P(A)	12 hrs	34
Training & Placement (Soft Skills & Aptitude) IV Yr ECE	T&P(S)	16 hrs	43
Training & Placement (Soft Skills & Aptitude) IV Yr ECE	T&P(A)	15 hrs	43
Training & Placement (Soft Skills & Aptitude) IV Yr EEE	T&P(S)	16 hrs	28
Training & Placement (Soft Skills & Aptitude) IV Yr EEE	T&P(A)	14 hrs	28
Training & Placement (Soft Skills & Aptitude) IV Yr MECH A	T&P(S)	17 hrs	61
Training & Placement (Soft Skills & Aptitude) IV Yr MECH A	T&P(A)	14 hrs	61
Training & Placement (Soft Skills & Aptitude) IV Yr MECH B	T&P(S)	15 hrs	60
Training & Placement (Soft Skills & Aptitude) IV Yr MECH B	T&P(A)	17 hrs	60

1.2.2 Details of Add on /Certificate programs offered for the year 2016-2017

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
CIVIL			
MHRD sponsored IIT Bombay certification course on "NET BEANS"- IV Yr	-	30 Hrs	62
MHRD sponsored IIT Bombay certification course on "RUBY"- III Yr	-	30 Hrs	34
MHRD sponsored IIT Bombay certification course on "CPP"- II Yr	-	30 Hrs	57
MHRD sponsored IIT Bombay certification course on "BLENDER"- IV Yr	-	30 Hrs	62
MHRD sponsored IIT Bombay certification course on "PYTHON"- III Yr	-	30 Hrs	34
MHRD sponsored IIT Bombay certification course on "LINUX"- II Yr	-	30 Hrs	51
My Credit Course (Staad Pro.) IV Yr	MCC	30 Hrs	67
CSE			
Mini Project - IV YR	MP	30 hrs	60
GATE / Competitive Exam (III Yr)	GATE/CE	30 hrs	36
Mobile Application & Development- IV YR	MAD001	50 hrs	12
Basic Java Programming- IV YR	JP01	50 hrs	16
Web Designing & Development- IV YR	WDD01	50 hrs	21
Visual Basic Programming- IV YR	VP01	50 hrs	13
ECE			
GATE / Competitive Exam (III Yr)	GATE/CE	30 hrs	25
Mini Project (II Yr)	MP	30 hrs	93
Presentation Skills and Technical Seminar	PS	30 hrs	99
GATE / Competitive Exam (III Yr)	GATE/CE	30 hrs	25
Interview Skills (IV Yr)	IS	15 hrs	123
Technical Skills (IV Yr)	TS	15 hrs	123
TANCET Coaching (IV Yr)	TANCET	30 hrs	40
MCC on "C Programming " (IV Yr)	-	30 hrs	47
MCC on "PCB layout" (IV Yr)	-	30 hrs	32
MCC on "System Design Using Embedded C" (IV Yr)	-	30 hrs	44
EEE			
MCC on "MATLAB" (IV Yr)	-	30 hrs	16
MCC on " PSPICE for Power Electronics" - (IV Yr)	-	30 hrs	16
MCC on " Embedded Systems" - (IV Yr)	-	30 hrs	16
MHRD sponsored IIT Bombay certification course on "LATEX"- IV Yr	-	30 hrs	35
Technical Aptitude	-	30 hrs	49

Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of Students Participated
MECH			
MCC - Computer Aided Modeling and Manufacturing	-	30 hrs	140
MCC - Maintenance and safety Engineering	-	30 hrs	140
MCC - Non Destructive Testing	-	30 hrs	140
MCC - Testing of Thermal Equipments	-	30 hrs	140
MHRD sponsored IIT Bombay certification course on "LaTeX" – IV Yr	-	30 hrs	113
GATE Coaching (III Year)	-	30 hrs	121
T & P			
Training & Placement (Soft Skills & Aptitude) II Yr Civil A	T&P(S)	22 hrs	63
Training & Placement (Soft Skills & Aptitude) II Yr Civil B	T&P(S)	24 hrs	64
Training & Placement (Soft Skills & Aptitude) II Yr CSE	T&P(S)	29 hrs	60
Training & Placement (Soft Skills & Aptitude) II Yr ECE A	T&P(S)	23 hrs	51
Training & Placement (Soft Skills & Aptitude) II Yr ECE B	T&P(S)	21 hrs	53
Training & Placement (Soft Skills & Aptitude) II Yr EEE	T&P(S)	30 hrs	52
Training & Placement (Soft Skills & Aptitude) II Yr MECH A	T&P(S)	27 hrs	64
Training & Placement (Soft Skills & Aptitude) II Yr MECH B	T&P(S)	19 hrs	64
Training & Placement (Soft Skills & Aptitude) III Yr Civil A	T&P(A)	40 hrs	58
Training & Placement (Soft Skills & Aptitude) III Yr Civil B	T&P(A)	40 hrs	59
Training & Placement (Soft Skills & Aptitude) III Yr CSE	T&P(A)	37 hrs	35
Training & Placement (Soft Skills & Aptitude) III Yr ECE	T&P(A)	37 hrs	43
Training & Placement (Soft Skills & Aptitude) III Yr EEE	T&P(A)	40 hrs	28
Training & Placement (Soft Skills & Aptitude) III Yr MECH A	T&P(A)	41 hrs	68
Training & Placement (Soft Skills & Aptitude) III Yr MECH B	T&P(A)	42 hrs	62
Training & Placement (Soft Skills & Aptitude) IV Yr Civil	T&P(S)	16 hrs	69
Training & Placement (Soft Skills & Aptitude) IV Yr Civil	T&P(A)	15 hrs	69
Training & Placement (Soft Skills & Aptitude) IV Yr CSE	T&P(S)	17 hrs	62
Training & Placement (Soft Skills & Aptitude) IV Yr CSE	T&P(A)	14 hrs	62
Training & Placement (Soft Skills & Aptitude) IVYr ECE A	T&P(S)	16 hrs	60
Training & Placement (Soft Skills & Aptitude) IVYr ECE A	T&P(A)	13 hrs	60
Training & Placement (Soft Skills & Aptitude) IVYr ECE B	T&P(S)	14 hrs	64
Training & Placement (Soft Skills & Aptitude) IVYr ECE B	T&P(A)	16 hrs	64
Training & Placement (Soft Skills & Aptitude) IV Yr EEE	T&P(S)	17 hrs	48
Training & Placement (Soft Skills & Aptitude) IV Yr EEE	T&P(A)	17 hrs	48
Training & Placement (Soft Skills & Aptitude) IV Yr MECH A	T&P(S)	19 hrs	70
Training & Placement (Soft Skills & Aptitude) IV Yr MECH A	T&P(A)	20 hrs	70
Training & Placement (Soft Skills & Aptitude) IV Yr MECH B	T&P(S)	19 hrs	69
Training & Placement (Soft Skills & Aptitude) IV Yr MECH B	T&P(A)	18 hrs	69



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Academic year 2020-21 Odd

VALUE ADDED COURSE

SUBJECT: EVA002 - ADVANCES IN SOLAR ENERGY TECHNOLOGIES
YEAR / SEMESTER - III / V

FACULTY IN-CHARGE: Mr.J.Arokiaraj, AP/EEE, KCE

TABLE OF CONTENT

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7.	Continuous Assessment Test-1 – Sample Answer Script
8.	Continuous Assessment Test-2 – Question Paper
9.	Continuous Assessment Test-2 – Sample Answer Script
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11.	Web Portal Entry-2
12.	Anna University Web Portal Entry Copy
13.	Anna University Result Sample Copy



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CENTRE FOR ACADEMIC COURSES
ANNA UNIVERSITY
CHENNAI - 600 028

Off: 22357077 / 73

22357074

Fax / Dir : 22352272

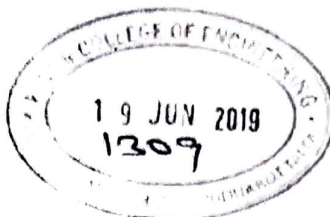


Dr. R. RAJU
DIRECTOR

Letter No:2518/AU/EVA/CAC/2019

13.06.2019

To
The Controller of Examinations
Anna University
Chennai - 25.



Sir,

Sub : A.U. - CAC - Kings College of Engineering - Value Added Course - Reg.

Ref. : Letter No. KCE/PRL/VAC/113/18-19, from Kings College of Engineering,
Dated: 22.05.2019 & 07.06.2019.

With reference to the letter cited above, the following Value Added Course offered by Kings College of Engineering, Affiliated Institutions is allotted the course code as detailed below

S.No	Code Allotted	Title
1.	EVA002	Advances in Solar Energy Technologies

This is for your kind information and necessary action at your end.

Yours faithfully

[Signature] 13/6/19

DIRECTOR

[Signature]

Copy to:

1. The Chairperson, Faculty of Electrical Engineering, Anna University, Chennai - 25.
2. The Principal, Kings College of Engineering, Punalkulam, Gandarvakottai Taluk, Pudukkottai District, Tamilnadu - 613 303.
3. The Stock File



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SUBJECT: ADVANCES IN SOLAR ENERGY TECHNOLOGIES

SEMESTER: V

COURSE PLAN (EVA 002)
(Version: 2)

PREPARED BY
Mr. J. AROKIARAJ AP/EEE

SYLLABUS

EVA002

ADVANCES IN SOLAR ENERGY TECHNOLOGIES

L T P C
2 0 0 2

UNIT I

ADVANCES IN SOLAR PV MATERIALS

6

Semiconductor Materials and Modelling - Crystalline silicon solar cells - Thin film technologies - Space and concentrator cells - Organic and dye sensitized cells - Evaluating a Site for Solar PV Potential.

UNIT II

MPPT CRITERIA FOR PV SYSTEMS

6

Testing, Monitoring and Calibration - Photovoltaic System Components - Maximum Power Point Tracking Algorithms - Different MPPT techniques - Implementation of MPPT using a boost converter.

UNIT III

STAND ALONE PV SYSTEM

6

Solar modules – storage systems – power conditioning and regulation - MPPT- protection – Stand-alone PV systems design – sizing.

UNIT IV

GRID CONNECTED PV SYSTEMS

6


PV systems in buildings – design issues for central power stations – safety – Economic aspect – Efficiency and performance - International PV programs.

UNIT V MODELLING AND SIMULATION OF PV SYSTEMS USING MATLAB

6

Introduction to Systems - Systems Modeling - Formulation of State Space Model of Systems - Model Order Reduction - Interpretive Structural Modeling - System Dynamics Techniques – Simulation.

TOTAL: 30 PERIODS


Mr. J. Arokia Raj
Faculty in-charge


HOD/ EEE



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE PLAN

Sub. Code : EVA002	Branch / Year / Sem : B.E EEE / III / V
Sub. Name : Advances In Solar Energy Technologies	Batch : 2018-2022
Staff Name : Mr.J.Arokiaraj	Academic Year : 2020 - 21 (ODD)

COURSE OBJECTIVE

1. To get an overview of different types of photovoltaic semiconductor devices and their characteristics.
2. To analyze the operation and performance parameters MPPT criteria for PV systems.
3. To study the operation techniques and basics topologies standalone operation of PV system.
4. To learn the different techniques of grid connected PV system.
5. To study the modelling and simulation of PV systems using MATLAB.

TEXT BOOKS

- T1. Solar Cells: Materials, Manufacture and Operation, Tom Markvart University of Southampton, UK and Luis Castafier Universidad Politecnica de Catalunya, Barcelona, Spain, First edition 2005 Reprinted 2005, 2006, Elsevier Ltd.
- T2. Study of maximum power point tracking (MPPT) techniques in a solar photovoltaic array, Arjav Harjai, Abhishek Bhardwaj, Mrutyunjaya Sandhibigraha, nit, Rourkela.
- T3. Solanki C.S., "Solar Photovoltaics: Fundamentals, Technologies And Applications", PHI Learning Pvt. Ltd., 2015.
- T4. Modeling and Simulation of Systems Using MATLAB and Simulink, Devendra K. Chaturvedi, CRC Press, 2010 by Taylor and Francis Group, LLC.

REFERENCE BOOKS

- R1. "Power Electronics for Renewable Energy Systems". C.R.Bala Murugan, D.Periyaazhagar, N.Suresh, Sruthi Publishers, Jan - 2017.
- R2. "Solar Photovoltaic Technology and systems", Chetan Singh Solanki, PHI Publications. 2017.

WEB RESOURCES

- W1. <http://www.energy.wsu.edu/Documents/SolarPVforBuildersOct2009.pdf> (Topic No. 06)
- W2. <https://pdfs.semanticscholar.org/1db7/435215cb2d9895bc29e0358a9b23300988f5.pdf> (Topic No. 12)
- W3. <https://www.sciencedirect.com/science/article/pii/S0960148105002831> (Topic No. 22)
- W4. http://www.os.ucg.ac.me//MS_kn.pdf (Topic No. 27)

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
UNIT I ADVANCES IN SOLAR PV MATERIALS (6)						
1.	Semiconductor Materials and Modelling	T1	30-52	BB	1	1
2.	Crystalline silicon solar cells.	T1	72-86	BB	1	2
3.	Thin film technologies.	T1	218-337	PPT	1	3
4.	Space and concentrator cells.	T1	354-388 393-442	BB	2	5
5.	Organic and dye sensitized cells.					
6.	Evaluating a Site for Solar PV Potential.	W1	-	PPT	1	6

LEARNING OUTCOME

At the end of unit, students should be able to

- Describe the basic materials of PV cells.
- Understand the concepts of PV Power Generation semiconductor devices.

UNIT II TESTING, CALIBRATION AND MPPT CRITERIA FOR PV SYSTEMS (6)

7.	Testing.	T1	452-497	PPT	2	8
8.	Monitoring and Calibration.					
9.	Photovoltaic System Components.	T2	17-25	BB	1	9
10.	Maximum Power Point Tracking Algorithms.	T2	25 -29	BB	2	11
11.	Different MPPT techniques.					
12.	Implementation of MPPT using a boost converter.	W2	-	BB	1	12

LEARNING OUTCOME

At the end of unit, students should be able to

- Study and analyze the Solar Photovoltaic System Components.
- To develop the different maximum power point tracking algorithms.
- To implement the various techniques of MPPT.

UNIT III STAND ALONE PV SYSTEM (6)

13.	Solar modules.	T3	352-370	PPT	1	13
14.	Storage systems.	R2	120-142	BB	1	14
15.	Power conditioning and regulation.	R1	3.28-3.47	BB	1	15
16.	Protection.	R1	3.13-3.14	BB	1	16
17.	Stand-alone PV systems design.	T3	420-423	Sem	1	17
18.	Sizing.	T3	437-440	BB	1	18

LEARNING OUTCOME

At the end of unit, students should be able to

- Study and analyze the Solar Modules and Storage systems.
- Getting detailed operating for Standalone PV systems and Sizing.

UNIT IV GRID CONNECTED PV SYSTEMS (6)

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
19.	PV systems in buildings.	T1	446-450	BB	1	19
20.	Design issues for central power stations.	R1	4.28-4.36	BB	1	20
21.	Safety.	T1	299-300	BB	1	21
22.	Economic aspect.	W3	-	PPT	1	22
23.	Efficiency and performance.	T1	173-177	BB	1	23
24.	International PV programs.	R1	5.31-5.32	BB	1	24

LEARNING OUTCOME

At the end of unit, students should be able to

- Study the Design issues for central power stations.
- Understand the Economic aspect, Efficiency and performance.

UNIT V MODELLING AND SIMULATION OF PV SYSTEMS USING MATLAB (6)

25.	Introduction to Systems.	T4	1-98	BB	1	25
26.	Systems Modeling.					
27.	Formulation of State Space Model of Systems.	W4	-	PPT	1	26
28.	Model Order Reduction.	T4	219-263	BB	1	27
29.	Interpretive Structural Modeling.	T4	300-325	BB	1	28
30.	System Dynamics Techniques	T4	327-344	BB	1	29
31.	Simulation.	T4	401-420	PPT	1	30

LEARNING OUTCOME

At the end of unit, students should be able to

- Understand the Impact of Simulation.
- Analyze of the techniques used for simulation tools.

COURSE OUTCOME

At the end of the course, the students will be able to

- Use different materials used for photovoltaic cells manufacturing.
- Understand the principles and operation techniques used for MMPT.
- Analyze and design standalone operation of PV power generation.
- Describe the various grid connecting techniques for PV system.
- Understand the simulation tools used for photovoltaic power generation.

INTERNAL ASSESSMENT DETAILS

ASST. NO.	I	II
Topic Nos.	1 - 14	15-31
Date		

Prepared by

J. Arrokian
Mr.J.Arrokian

Verified by

S. Arrokian
HOD/EEE

Approved by

Principal



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Academic year 2020-21 Odd Sem
VALUE ADDED COURSE DETAILS

SUBJECT: EVA002 - ADVANCES IN SOLAR ENERGY TECHNOLOGIES
SEMESTER - V / III - Year EEE

COURSE CREDIT DETAIL

L	T	P	C
2	0	0	2

STUDENTS DETAILS

Roll No.	Register Number	Name of the Students
1.	821118105001	ABIRAMI U
2.	821118105002	AKESH SATHIYA A
3.	821118105003	BAVANA K
4.	821118105005	CHANDRAKUMAR S
5.	821118105006	CHANDRAPRIYA S
6.	821118105009	JAGADESHWARAN S
7.	821118105010	JAYAPRAKASH R
8.	821118105011	KARTHIKEYAN K
9.	821118105013	KAVIYA M
10.	821118105015	MOHAMEDHALITH S
11.	821118105017	PRIYADHARSHINI S
12.	821118105019	SANTHOSH G
13.	821118105020	SANTHOSH G
14.	821118105023	VASANTH K
15.	821118105301	PREMALATHA N

COMMITTEE MEMBERS

COURSE IN CHARGES	Mr. J. AROKIARAJ	AP/EEE
SENIOR FACULTY MEMBER	Mr. R.SUNDARAMOORTHY	AP/EEE
HEAD OF THE DEPARTMENT	Dr. A. ALBERT MARTIN RUBAN	Asso. Prof/EEE
PRINCIPAL	Dr. J. ARPUTHA VIJAYA SELVI	Professor

[Signature]
Course in Charges

[Signature]
Academic Coordinator

[Signature]
Head of the Department



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2020-2021 / ODD SEMESTER

TIME TABLE for VALUE ADDED COURSES

III EEE

Class Strength : 15

Ses sio n	1	11.30a.m -	2	12.45p.m -	3
Day	10.30 a.m - 11.30 a.m	11.45a.m	11.45 a.m - 12.45 p.m	1.30p.m	1.30 p.m - 2.30 p.m
SAT	EVA002	BREAK	EVA002	LUNCH BREAK	EVA002

SUB. CODE	NAME OF THE SUBJECT	NAME OF THE STAFF	DEPT.	PERIODS/WEEK
EVA002	Advances in solar energy technologies	Mr. J. Arokiaraj	EEE	3


DEPT. VACC


HEAD OF THE DEPARTMENT


PRINCIPAL



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Academic year 2020-21 Odd Sem

VALUE ADDED COURSE DETAILS

SUBJECT: EVA002 - ADVANCES IN SOLAR ENERGY TECHNOLOGIES
SEMESTER - V / III - Year EEE

COURSE CREDIT DETAIL

L	T	P	C
2	0	0	2

Total No. of Course hours conducted = 30

Assessment test conduct on 30-09-2020 & 26-10-2020

[Signature] 13/11/20
COURSE IN CHARGE
Mr. J. Arokiaraj

[Signature]
ACADEMIC COORDINATOR

[Signature] 13/11/20
HEAD OF THE DEPARTMENT

KINGS COLLEGE OF ENGINEERING
CONTINUES ASSESSMENT TEST - I (Sep-2020)

EVA 002 - ADVANCES IN SOLAR ENERGY TECHNOLOGIES

Class: III EEE

Date & Session: 30-09-2020 & FN

Maximum marks: 100

Time: 9.30 AM -12.30 PM

Answer all the questions

PART - A (10x2=20)

1. List the Basic components grid connected solar systems.
2. Recall the three Steps involved in Cell processing.
3. Differentiate the solar modules types.
4. Rewrite the module efficiency (watts per Area).
5. Classify the different MPPT techniques.
6. Write the Procedure for testing for solar panels.
7. Draw the calibration system for solar PV systems.
8. Define solar PV regulation.
9. What is array arching? How it can be prevented?
10. What are super capacitors? State its advantages and uses.

PART - B (5x13=65)

11. (a) How is light absorbed in a semiconductor? Also write notes on recombination of e-h pairs. (13)
(OR)
(b) How a pn junction is formed? And explain its characteristics. (13)
12. (a) Discusses about the optical and recombination losses. (13)
(OR)
(b) What is the effect of light, temperature and parasitic resistance on a solar cell? (13)
13. (a) With neat diagram explain the protection techniques used for solar PV system. (13)
(OR)
(b) Estimate the power conditioning in PV system. (13)
14. (a) Explain in detail about the different types of energy storage system. (13)
(OR)
(b) What are the design issues for a central PV power station? Discuss in detail. (13)

15. (a) Summarize the working of the pumped hydro electric energy storage system. (13)

(OR)

- (b) Illustrate the sensible heat storage system in details. (13)

PART - C (1x15=15)

16. (a) With a neat diagram explain grid tied solar PV system. (15)

(OR)

- (b) Explain about any three international PV programs in existence and its development. (15)

1) List the Basic components grid connected solar systems.

* Solar photovoltaic modules.

* Combiner box.

* Inverter.

* Array mounting racks.

* Surge Protection.

* Meters.

2) Recall the three steps involved in cell processing.

* Standard process.

* Limitation of the screen printing.

* Buried contact cells.

3) Differentiate the solar modules types.

* Single-crystalline.

* Poly-crystalline.

* Amorphous.

* Other cell material used in solar modules are
Cadmium telluride.

* Copper indium diselenide (CIS).

4) Rewrite the module efficiency (Watts per Area).

* Modules with higher efficiency will have higher ratio of Watts to area.

11/2 ✓ * The higher the efficiency, the smaller area will be required to achieve the same power output of an array.

5) Classify the different MPPT techniques.

* Incremental Conductance method.

* Fractional Short Circuit Current.

* Fractional open Circuit Voltage.

2 ✓ * Neural networks.

* Fuzzy logic.

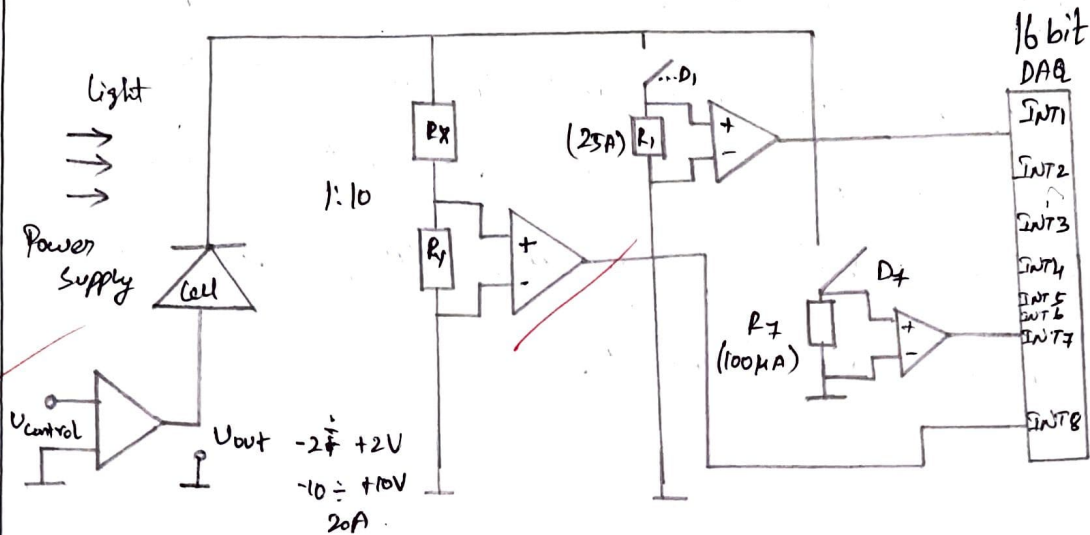
* Perturb and observe.

6) Write the procedure for testing for solar panels

11/2 ✓ * Properly testing your solar panels is a very important but often overlooked procedure.

* We wouldn't believe how many people completely skip testing solar panels and forget to confirm their solar power output before installing them.

7) Draw the Calibration system for solar PV systems.



8) Define solar PV regulation.

* A photovoltaic system, also PV system or solar power system, is a power system designed to supply usable solar power system, by means of photovoltaics.

* Due to the exponential growth of photovoltaics, prices for PV systems have rapidly declined in recent years.

* However, they vary by market and the size of the system.

9) What is array arcing? How it can be prevented?

* A review on satellite solar array phenomenon. It has been observed that if the satellite bus voltage is increased a certain voltages, arcing is observed which gradually damages the solar array partially or completely.

10) What are Super Capacitors? State its advantages and uses.

* Super Capacitors store more energy than ordinary capacitors by creating a very thin, "double layer" of charge between two plates, which are made from porous, typically carbon-based materials soaked in an electrolyte.

ADVANTAGES:

* Super Capacitors combine the energy storage properties of batteries with the power discharge characteristics of capacitors.

USES:

* In applications requiring many rapid charge/discharge cycles rather than long term compact storage.

11)
(b)

How a Pn Junction is formed? And explain its characteristics.

The Principal Parameters of a P-n junction ~~at~~ in equilibrium along the spatial coordinate perpendicular to the junction.

In operation. the Fermi level E_F splits into two Quasi-Fermi levels E_{Fn} and E_{Fp} , one each for the electrons and holes.

With the corresponding potentials $\phi_n = -q/E_{Fn}$ and $\phi_p = -q/E_{Fp}$.

Near the open circuit, the quasi-Fermi levels are parallel in the junction.

$$qV_{bi} = k_B T \ln \left(\frac{N_D N_A}{n_i^2} \right) \rightarrow \textcircled{1}$$

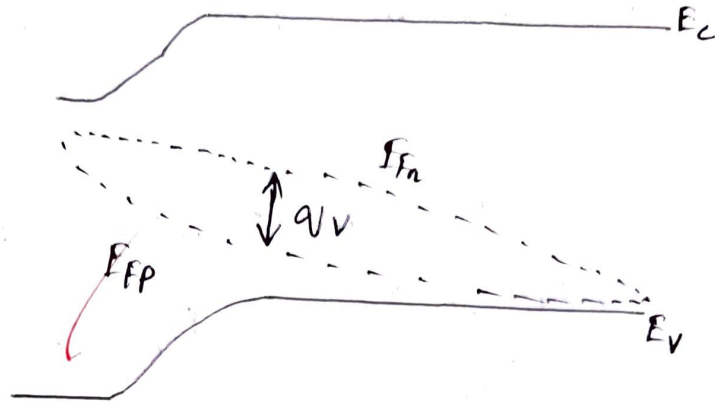
$$W_j = L_D \sqrt{\frac{2q\Delta\psi}{k_B T}} \rightarrow \textcircled{2}$$

$$L_D = \frac{\sqrt{\epsilon k_B T}}{q^2 N_B} \rightarrow \textcircled{3}$$

$$N_B = \frac{N_A N_D}{N_A + N_D}$$

$$n(\text{base}) = n_0(\text{base}) e^{qV/k_B T} = n_0(\text{emitter}) e^{q(V - V_{bi})/k_B T} \rightarrow (4)$$

$$P(\text{emitter}) = P_0(\text{emitter}) e^{qV/k_B T} = P_0(\text{base}) e^{q(V - V_{bi})/k_B T} \rightarrow (5)$$



$$J_{ph} = J_{phb} + J_{phe}$$

$$J_0 = J_{0b} + J_{0e} \rightarrow (6)$$

$$EQE(\lambda) = a_i(\lambda) \eta_i(\lambda) \rightarrow (7)$$

$$J_{02} \left(e^{\frac{qV}{k_B T}} - 1 \right) \rightarrow (8)$$

$$\eta = \frac{J}{A}$$

$$\eta_{+} = (\eta + 1) e^{w/L} + (\eta - 1) e^{-w/L} \rightarrow (9)$$

$$J_0 = \frac{qVD}{L} \frac{n_i^2}{N_{dop}} \frac{\eta^{+}}{\eta^{-}} \rightarrow (10)$$

ADVANTAGES:

- * Pn Junction diode is the simplest form of all the semiconductor devices.

- * However, diodes plays a major role in many electronic devices.

DISADVANTAGES:

- * It overstressed during breakdown in voltage referencing.

12)

(b)

EFFECT OF LIGHT:

- * Changing the light intensity incident on a solar cell changes all solar cell parameters, including the short-circuit current, the open circuit voltage, the efficiency and the impact of series and shunt resistances.

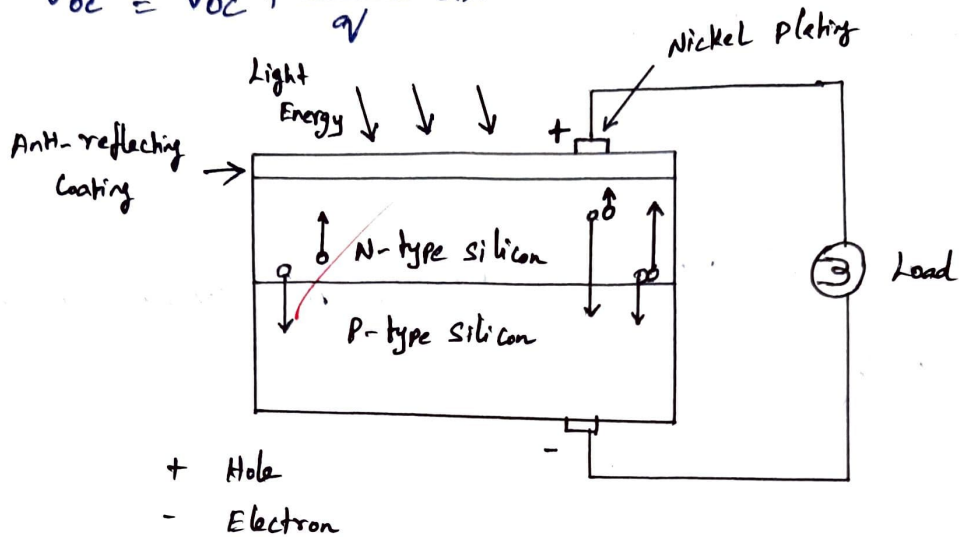
- * The light intensity on a solar cell is called the number of suns, where 1 sun corresponds to standard illumination at AM1.5, or 1 kW/m^2 .

- * For example a system with 10 kW/m^2 incident on the solar cell would be operating at 10 suns, or at 10X.

$$V'_{oc} = \frac{nKT}{q} \ln \left(\frac{X I_{sc}}{I_0} \right)$$

$$= \frac{nKT}{q} \left[\ln \left(\frac{I_{sc}}{I_0} \right) + \ln X \right]$$

$$V'_{oc} = V_{oc} + \frac{nKT}{q} \ln X$$



ADVANTAGES:

- * It does not generate emissions or radiations.
- * It does not require fuels or water to produce electricity.

DISADVANTAGES:

- * It cannot be used in absence of the light from any source.

EFFECT OF TEMPERATURE

- Solar cells are sensitive to temperature changes.

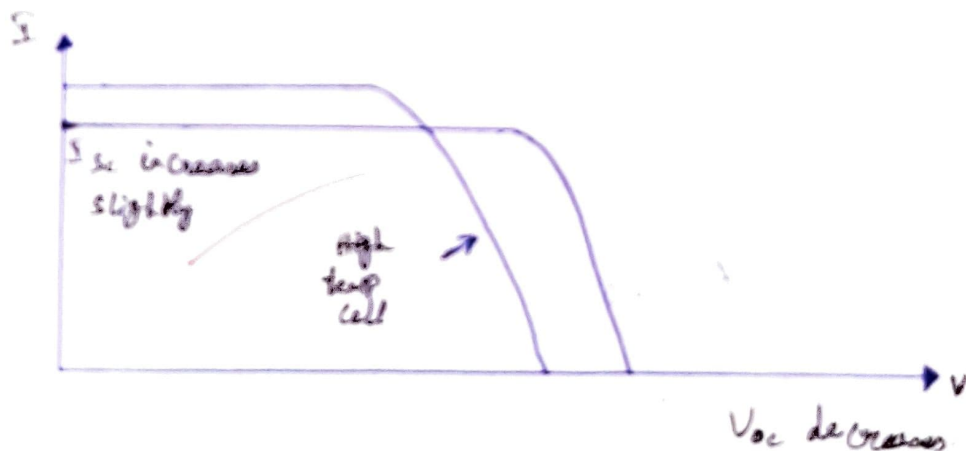
An increase in temperature reduces the band gap of the semiconductor material.

- The decrease in the band gap of semiconductor with increase in temperature is an increase in the energy of electrons in the material.

$$I_0 = qA \frac{Dn_i^2}{LN_D}$$

$$n_i^2 = 4 \left(\frac{\pi kT}{h^2} \right)^3 (m_e^* m_h^*)^{3/2} \exp \left(-\frac{E_{g0}}{kT} \right) = BT^3 \exp \left(-\frac{E_{g0}}{kT} \right)$$

$$\frac{dV_{oc}}{dT} = \frac{V_{oc} - V_{oc0}}{T} - \gamma \frac{k}{q}$$



EFFECT OF PARASITIC RESISTANCES

- The key impact of parasitic resistance is reducing the fill factor in the majority of cases and for usual values of series and shunt resistance.

* Both the impact and the magnitude of series and shunt resistance is dependent on the geometry and shape of the solar cell, at the point of operation of the solar cell.

13) Estimate the Power Conditioning in PV system.

(b) * Photovoltaic energy is currently considered as one of the most useful renewable natural energy sources in the world because it is clean, free, abundant, pollution free and inexhaustible.

✓✓✓ * PV energy has received increasing interest in electric power application.

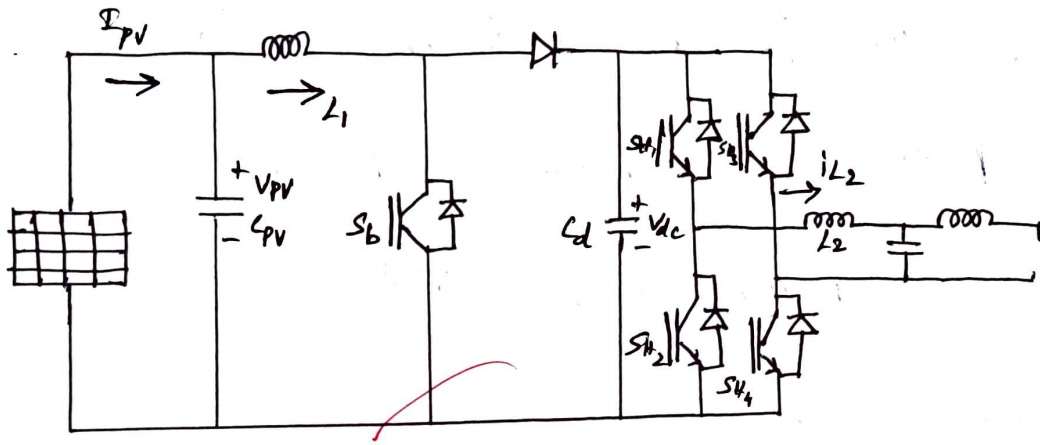
* Photovoltaic system circuit conditioning system 33 kW transformerless PCS with grid connection.

* The transformerless PCS is composed of a PV array. ~~data~~

* DC/DC boost converter dc line and AC/AC inverter L-C filter PV voltage V_{pv} is set on wide range variation (150-450V).

* In the operation voltage of PV array changes the duty ratio in order to local variations in directions of ~~122 VAC 23~~ PV array current. 10

* If power increases, the operating voltage is in the same direction if it decreases the direction of the Perturbation.



* This disadvantage of the Perturbation and observation Method can be minimized by comparing the incremental instantaneous conductance of PV array. This method is more accurate and can provide good performance under rapid changing conditions.

* The current curve is increased linearly by PV array characteristics from 0 to 1 at the fixed temperature of T_0 to show the relative values between the voltage and current.

14) Explain in detail about the different types of energy storage system?
(a)

• The different types of energy storage can be grouped into five broad technology categories.

(i) Batteries (ii) Thermal (iii) Mechanical

(iv) Pumped hydro (v) Hydrogen.

BATTERY STORAGE:

✓ Batteries are the most common and widely accessible form of storage, ~~one~~ an electrochemical technology comprised of one or more cells with a positive terminal named a cathode and negative terminal or anode.

THERMAL STORAGE:

• Thermal storage is essentially involves the capture and release of heat or cold in a solid, liquid or air and potentially involving changes of state of the storage medium.

MECHANICAL STORAGE:

Mechanical storage systems are the simplest drawing on the kinetic energy of rotation or

gravitation. to store energy.

* Technologies include energy storage with salt and liquid air or storage solar power.

* But this storage options may limited by the need for large underground storage.

PUMPED HYDRO:

* Energy storage with pumped hydro system based on large water reservoirs has been based on large water reservoir has been widely implemented over much of the past to become the most common form of utility scale storage globally.

HYDROGEN:

* Energy storage with hydrogen which is still involve its ~~conversion~~ conversion from electricity via electrolysis for storage in tanks from it or heat undergo either electrification or supply to emerging application as transport industry or residential as a supplement or replacement to gas.

15) Illustrate the sensible heat storage system in detail.

(b)

SENSIBLE HEAT STORAGE:

* The most direct way is the storage of sensible heat.

* Sensible heat storage is based on raising the temperature of a liquid or solid to store heat and releasing it with the decrease of temperature when it is required.

* The volumes needed to store energy in the scale that world needs are extremely large.

✓
* Materials used in sensible heat storage must have high heat capacity and also high boiling or melting point.

* Although this method of heat storage is currently less efficient for heat storage, it is least complicated compared with latent or chemical heat and it is inexpensive.

* From thermodynamics point of view, the storage of sensible heat is based on the increase of enthalpy of the material in the store,

either a liquid or a solid in most cases.

*The sensible effect is a change in temperature.

*Heat stored can be obtained by the equation:

$$\Delta Q = m \cdot \int_{T_1}^{T_2} c_p(T) \cdot dT$$

Where,

ΔQ is the energy stored (J)

m is the mass of an object (kg)

c_p is the specific heat capacity ($J \cdot kg^{-1} \cdot K^{-1}$)

dT is the temperature difference.

*Different substances are affected to different magnitudes by the addition of heat.

*When a given amount of heat is added to different substances, their temperatures increase by different amounts.

* This proportionality constant between the heat Q that the object absorbs or loses and the resulting temperature change T of the object is known as the heat capacity C of an object.

$$C = Q / \Delta T$$

* Heat capacity is an extensive property of Matter, meaning it is proportional to the size of the system.

* Heat capacity C has the unit of energy per degree or energy per Kelvin.

* When expressing the same phenomenon as an intensive property, the heat capacity is divided by the amount of substance, mass, or Volume, thus the quantity is independent of the size or extent of the sample.

16) Grid - Tied Solar Photovoltaic System:
(a)

* Most PV systems are grid-tied systems that work in conjunction with the power supplied by the electric company.

* A grid-tied solar system has a special inverter that can receive power from the grid or send grid-quality AC power to the utility grid when there is an excess of energy from the solar system.

* In addition, the utility company can produce power from solar farms and send power to the grid directly.

* Grid-tied PV systems can be set up with or without a battery backup.

* The simplest grid-tied PV system does not use battery backup but offers a way to supplement some fraction of the utility power.

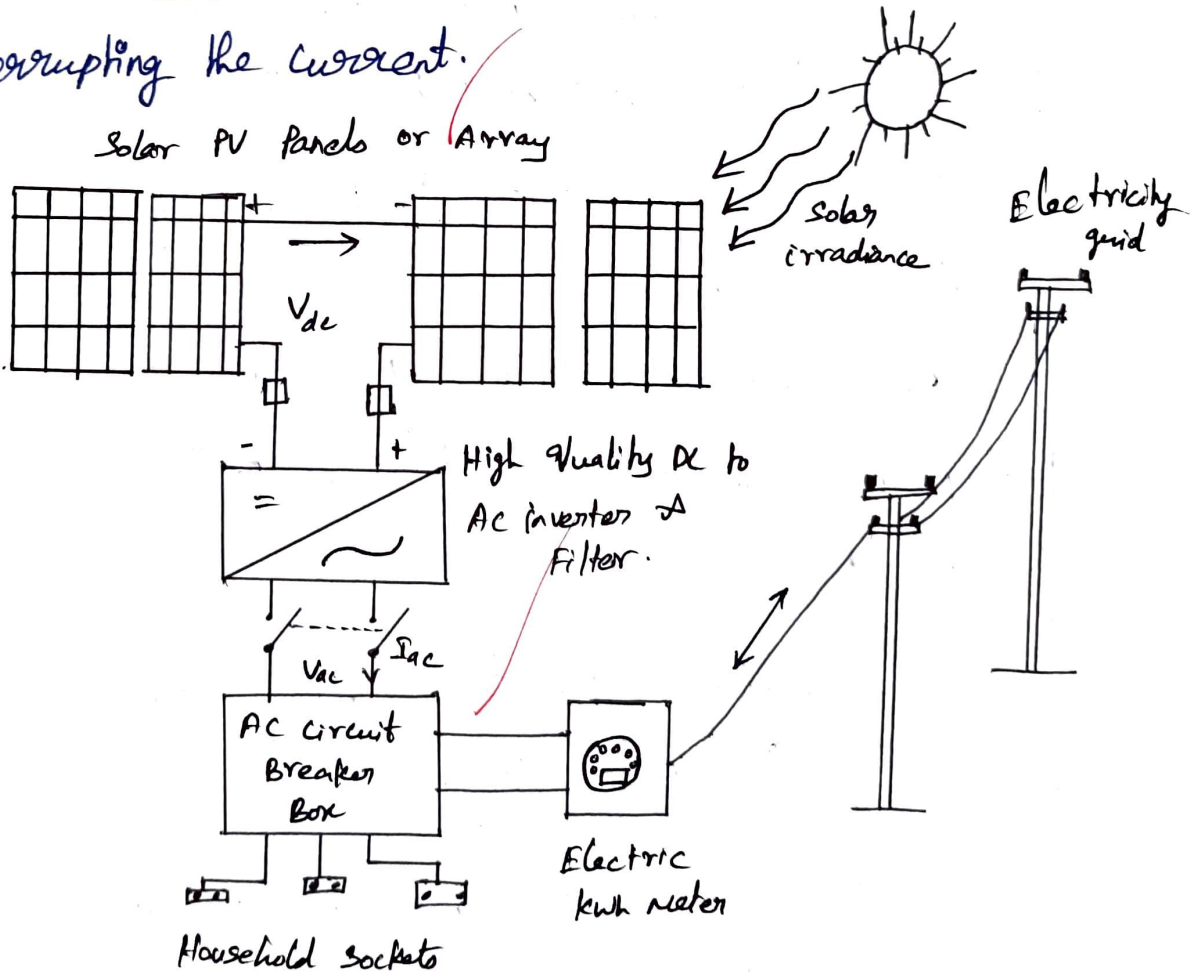
* The major components of this system are the PV modules and an inverter.

* The modules may be connected in series to the inverter if voltage limits are not exceeded, or a separate combiner box may be used to combine the outputs of various modules in parallel.

* The inverter must be a special type that can be connected directly to the ac breaker box, so it needs to convert the DC from the PV modules into grid-compatible AC and match the phase of the utility sine wave.

* It must also be able to disconnect the PV system when the grid is down, so it must be an approved inverter that meets UL standard 1741.

* A transfer switch is an automatic switch that can switch loads between alternate power sources without interrupting the current.



GRID-TIED SOLAR PV SYSTEM.

* Compared to a system with a battery backup, a battery-free system like this is less expensive, easier to install, and almost maintenance free.

* It has the advantage of not having to supply all of the power needed for the home or business it can offset any fraction of the power and have the utility make up the difference.

DISADVANTAGES:

* No electricity when grid is absent.

* Cannot guarantee 24x7 Electricity.

* Limitations while using with Diesel-Generator.

* Poor DG utilisation.

ADVANTAGES:

* Saves more money with net metering.

* The utility grid is a virtual battery.

KINGS COLLEGE OF ENGINEERING
CONTINUES ASSESSMENT TEST - II (Oct - 2020)
EVA 002 - ADVANCES IN SOLAR ENERGY TECHNOLOGIES

Class: III EEE
Maximum marks: 100

Date & Session: 26-10-2020 & FN
Time: 9.30 AM -12.30 PM

Answer all the questions

PART - A (10x2=20)

1. Recall the use of blocking Diode.
2. Why regulator is needed in a PV system?
3. Compare the materials used in mounting structures.
4. Define depth-of-discharge.
5. List the economic issues involved in large, central-generating PV plant.
6. Compute the various approaches to rooftop mounted PV arrays.
7. Differentiate Capacity and energy credit.
8. Compute array arching. How it can prevent?
9. What are the situations based requirement in Modeling simulation?
10. Write the Classification of Models.

PART - B (5x13=65)

11. (a) With neat diagram explain the protection techniques used for solar PV system. (13)

(OR)

(b) Estimate the power conditioning in PV system. (13)
12. (a) Explain in detail about the different types of energy storage system. (13)

(OR)

(b) What are the design issues for a central PV power station? Discuss in detail. (13)

13. (a) Describe in detail on: (13)
- (i) Inverters used in PV system.
 - (ii) Sizing of PV system.

(OR)

- (b) Discuss about the issues addressed during grid tied solar power. (13)
14. (a) Explain the economical aspects of PV system. Also explain how PV system is usually rated? (13)

(OR)

- (b) Illustrate about the safety and islanding issues of central power stations. (13)
15. (a) Write the Formulation of State Space Model of Systems. (13)

(OR)

- (b) Construct and Arrange the Techniques of System Analysis. (13)

PART - C (1x15=15)

16. (a) Construct the any one Modeling and Simulation of Systems Using MATLAB and Simulink. (15)

(OR)

- (b) Discuss the Basics of Linear Graph Theoretic Approach in modeling of the System. (15)

PART - A

CAT-2

94
100

1. Recall the use of blocking diode.

* A blocking diode should be used between the battery and the cell array to prevent the battery from ~~discharging~~ through the cells when the light intensity is low.

2. Why regulator is needed in a PV system?

* The voltage regulator ensures that the voltage from the solar panel never exceeds the safe value required by the battery for charging. Generally, there is no need ~~for~~ a charge controller with small maintenance.

3. Compare the materials used in mounting structures.

* Stainless steel, aluminium and galvalume are the primary materials used in solar mounting structures in India. While steel and aluminium have been in use for a long time, galvalume is a more recent addition. The type of material ~~used~~ for mounting structures is dependent on the location and the life cycle of the plant. Earlier, wood and polymer were used as mounting structures materials. However, they have been replaced with more durable materials and are no longer actively used.

4. Define depth-of-discharge.

* Depth of discharge is the fraction or percentage of the capacity which has been removed from the fully charged battery. It is an alternative method to indicate a battery's state of charge. It is the complement of state of charge: as one increases, the other decreases.

5. List the economic issues involved in the large, central-generating PV plant.

* The vast majority of the electricity that these facilities are generated by centralized generation is distributed through the electric power grid to multiple-end users.

6. Compute the various approaches to rooftop mounted PV rays?

* A rooftop photovoltaic power station or rooftop PV system is a photovoltaic (PV) system that has its electricity-generating solar panels mounted on the rooftop of a residential or commercial building or structure.

* The various components of such a system include

- (i) photovoltaic modules
- (ii) mounting systems
- (iii) solar inverters and
- (iv) other electrical accessories.

7. Differentiate Capacity and energy credit.

Capacity credit:

* Capacity is the maximum output an electricity generator can physically produce, measured in megawatts (MW).

Energy credit:

* Energy is the amount of electricity a generator produces over a specific period of time.

* Many generators do not operate at their full capacity all the time.

8. Compute array arcing. How it can prevent?

* A review on satellite solar array phenomena.

It has been observed a certain voltages,

arcing is observed which gradually damages the solar array partially or completely.

9. What are the situations based requirement in Modelling simulation?

* Abstract specifications of the essential features of a system: When a system does not exist and a designer wants to design a new system like a missile or an airplane. The model will help in knowing, prior to the

development of the system, how that system will work for different environmental conditions and inputs.

- * Modeling forces us to think clearly before making a physical model: One has to be clear about the structure and the essentials of the situation.
- * To guide the thought process: It helps in refining ideas or decisions before implementing it in the real world.
- * It is a tool that improves the understanding about a system, and allows us to demonstrate and interact with what we design and not just describe it.
- * To improve system performance: Models will help in changing the system structure to improve its performance.
- * To explore the multiple solutions economically: It also allows us to find many alternate solutions for the improvement in system performance.

10. Write the classification of Models.

- * Physical vs. Abstract Model
- * Mathematical vs. Descriptive Model
- * Static vs. Dynamic Model
- * Steady state vs. Transient Model
- * Open vs. Feedback Model
- * Deterministic vs. Stochastic Models
- * Continuous vs. Discrete Models.

PART - B

11. b) Estimate the power conditioning in PV system.

* Photovoltaic energy is currently considered as one of the most useful renewable natural energy sources in the world because it is clean, free, abundant, pollution free and inexhaustible.

* PV energy has received increasing interest in electric power application.

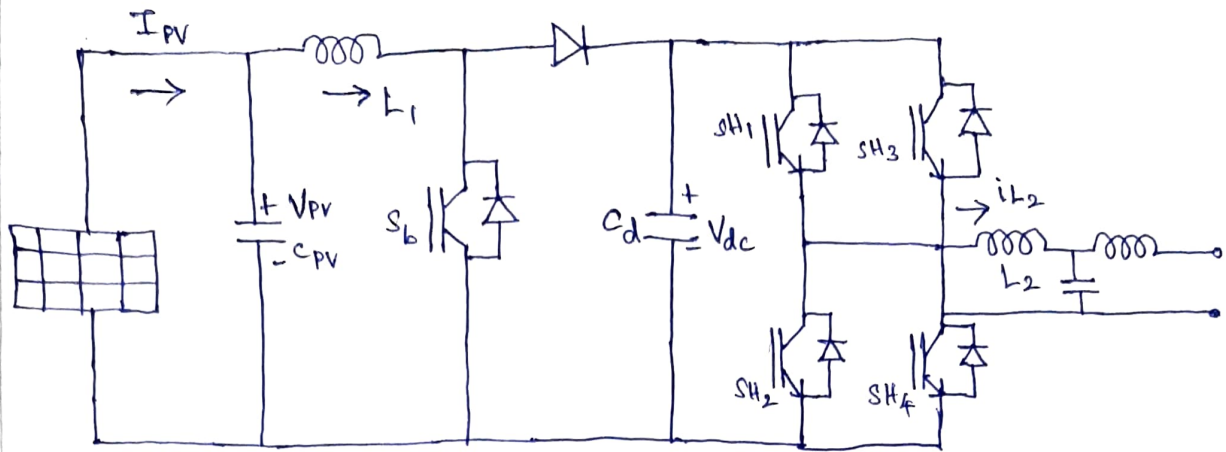
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* The transformer less PCS is composed of a PV array.

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* This disadvantage of the perturbation and observation method can be minimized by comparing the incremental instantaneous conductance of PV array this method is more accurate and can provide good performance under rapid changing conditions.

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12. a) Explain in detail about the different types of energy storage system.

The different types of energy storage can be grouped into five broad technologies categories.

- * Batteries
- * Thermal
- * Mechanical
- * Pumped hydro
- * Hydrogen.

(i) Battery storage :

* Batteries are the most common and widely accessible form of storage are an electrochemical technology comprised of one or more cells with a positive terminal named a cathode and negative terminal or anode.

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* Thermal storage is essential involves the capture and release of heat or cold in a solid liquid, or air and potentially involving changes of state of the storage medium.

(iii) Mechanical storage :

* Mechanical storage systems are the simplest drawing on the kinetic energy of rotation or gravitation to store energy.

* Technologies include energy storage with salt and liquid air or storage solar power.

* But this storage options may be limited by the need for large underground storage.

(iv) Pumped hydro :

✓✓✓
* Energy storage with pumped hydro system based on large water reservoirs has been based on large water reservoir has been widely implemented over much of the past to become the most common form of utility scale storage globally.

(v) Hydrogen :

* Energy storage with hydrogen which is still involve its conversion on from electricity via electrolysis for storage in tanks from it can heat undergo either electrification or supply to emerging application as transport industry or residential as a supplement or replacement to gas.

13. b) Discuss about the issues addressed during grid tied solar power.

* There are several technical issues associated with grid connected systems like Power Quality issues, Power and voltage fluctuations, storage, protection issues, Islanding.

(i) Power Quality Issues :

* Power quality issues are harmonics and voltage and frequency fluctuations.

Harmonics :

* Harmonics are currents or voltages with frequencies that are integer multiples of the fundamental power frequency.

* Electrical appliances and generators all produce harmonics and in large volumes can cause interference that results in a number of power quality problems.

Frequency and Voltage fluctuations :

Frequency and voltage fluctuation again classified as,

* Grid - derived voltage fluctuations

* Voltage imbalance

* voltage rise and reverse power flow

* power factor correction

a) Grid - Derived voltage fluctuations :

Inverters are generally configured to operate in grid 'voltage - following' mode and to disconnect DG when the grid voltage moves outside set parameters, This is both to help ensure they contribute suitable power quality as well as help to protect against unintentional islanding.

b) Voltage imbalance :

* Voltage imbalance is when the amplitude of each phase voltage is different in a three-phase system or the phase difference is not exactly 120° .

c) Voltage Rise and Reverse Power flow :

* Traditional centralized power networks involve power flow in one direction only ; from power plant to transmission network , to distribution network, to load .

d) Power factor correction:

* Because of poor power factor line losses increase and voltage regulation become difficult.

* Inverters configured to be voltage - following have unity power factor , while inverters in voltage - following mode provide current that is out of phase with the grid voltage and so provide power factor correction.

14. b) Illuminate about the safety and islanding issues of central power stations.

Islanding : Islanding is a critical and unsafe condition in which a distributed generator, such as a solar system, continues to supply power to the grid while the electric utility is down.

Islanding and distributed power generation :

* Islanding is a critical and unsafe condition, which may occur in a power system. This condition is caused due to an excessive use of distributed generators in the electrical grid.

Anti - islanding or islanding protection :

* To avoid this problem, it is recommended that all distributed generators shall be equipped with devices to prevent islanding. The act of preventing islanding from happening is also called anti-islanding.

Problems caused by islanding :

* Islanding causes many problems, some of which are listed below :

1. **Safety concern :**

* safety is the main concern, as the grid may still be powered in the event of a power outage due to electricity supplied by

distributed generators, as explained earlier.

* This may confuse the utility workers and expose them to hazards such as shocks.

2. Damage to customer's appliances :

* Due to islanding and distributed generation, there may be a bi-directional flow of electricity.

* This may cause severe damage to electrical equipment, appliances and devices.

3. Inverter damage :

* In the case of large solar systems, severe inverter damage could be caused with the distributed generators. islanding could cause problems in proper functioning of the inverters.

Ways to detect and resolve islanding :

* Active islanding detection method

* Passive islanding detection method.

Active islanding detection :

* Active detection methods involve the technique of constantly sending a signal back & forth between the distributed generators and the grid to ensure the status of electrical supply.

Passive islanding detection :

* It makes use of transients in the electricity for detection. The quickest and easy way to prevent any problems is to shut off the distributed generator when requested by the utility.

15. a) Write the formulation of state space Model of systems.

* In control engineering, a state-space representation is a mathematical model of a physical system as a set of input, output and state variables related by first order differential equations or differential equations.

* state variables are variables whose values evolve over time in a way that depends on the values they have at any given time and on the externally imposed values of input variables. Output variables' values depend on the values of the state variables.

* state space model (SSM) refers to a class of probabilistic graphical model that describes the probabilistic dependence between the latent state variable and the observed measurement.

* The SSM framework has been successfully applied in engineering, statistics, computer science and economics to solve a broad range of dynamical system problems.

$$\begin{aligned} P(x(t) | y(0:t)) &= \frac{P(x(t), y(0:t))}{P(y(0:t))} = \frac{P(x(t) | y(0:t-1)) P(y(0:t) | x(t), y(0:t-1))}{P(y(t) | y(0:t-1))} \\ &= \frac{P(x(t) | y(0:t-1)) P(y(t) | x(t), y(0:t-1))}{P(y(t) | y(0:t-1))} \rightarrow \textcircled{1} \end{aligned}$$

$$P(x(t) | y(0:t-1)) = \int P(x(t) | x(t-1)) P(x(t-1) | y(0:t-1)) dx(t-1) \rightarrow ②$$

$$x(t+1) = A x(t) + n(t) \rightarrow ③$$

$$y(t) = Bx(t) + v(t) \rightarrow ④$$

$$x(t+1) = P x(t) + n(t) \rightarrow ⑤$$

$$\log \lambda(t) = \mu + \alpha x(t) + \beta u(t) \rightarrow ⑥$$

$$P(Y | X, \theta) = \exp \left\{ \int_0^{T_0} \log \lambda(\tau) dy(\tau) - \int_0^{T_0} \lambda(\tau) d\tau \right\} \rightarrow ⑦$$

$$P(X, Y | \theta) = \prod_{t=1}^{T_0} P(x(t) | x(t-1), \theta) \prod_{c=1}^C P(y_c(t) | x(t), \theta) \rightarrow ⑧$$

$$x(t+1|t) = \rho x(t|t) \text{ (one step mean prediction)} \rightarrow ⑨$$

$$\sigma_x^2(t+1|t) = \rho^2 \sigma_x^2(t|t) + \sigma^2 \text{ (one step variance prediction)} \rightarrow ⑩$$

$$x(t+1|t+1) = x(t+1|t) + \sigma_x^2(t+1|t) \alpha \left[dy(t+1) - \exp \left(\mu + \alpha x(t+1|t+1) + \beta u(t+1) \right) \Delta \right] \text{ posterior mode} \rightarrow ⑪$$

$$\sigma_x^2(t+1|t+1) = \left[\left(\sigma_x^2(t+1|t) \right)^{-1} + \alpha^2 \exp \left(\mu + \alpha x(t+1|t+1) + \beta u(t+1) \right) \Delta \right]^{-1} \text{ posterior mode} \rightarrow ⑫$$

PART - C

16. b) Discuss the Basics of Linear Graph Theoretic Approach in modelling of the system.

State Variable System representation:

* Linear graph system models provide a graphical representation of a system model and the interconnection of the elements.

* A set of differential and algebraic equations which completely define the system may be derived from the linear graph model.

* In this handout, we develop a procedure for deriving a specific set of differential equations, known as the state equations, from the system linear graph.

State Equation based modeling procedure:

The complete system model for a linear time-invariant system consists of

(i) a set of n state equations, defined in terms of the matrices A and B ,

(ii) a set of output equations that relate any output variables of interest to the state variables and inputs, and expressed in terms of the C and D matrices.

$$\dot{x} = Ax + Bu \rightarrow (1)$$

$$y = Cx + Du \rightarrow (2)$$

The overall modeling procedure developed in this chapter is based on the following steps:

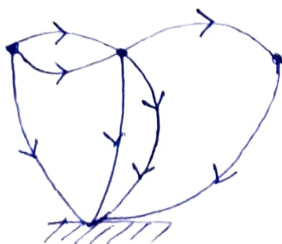
- * Determination of the system order n and selection of a set of state variables from the linear graph system representation.

- * Generation of a set of state equations and the system A and B matrices using a well defined methodology.

- * Determination of a suitable set of output equations and derivation of the appropriate C and D matrices.

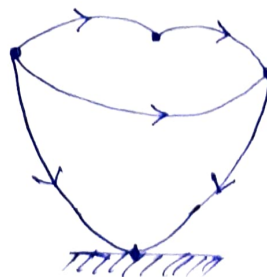
Linear Graph properties:

- * The derivation of the state equations in this chapter is based on the use of the system linear graph model.



(a)

Connected system graph



(b)

Unconnected system graph.

* A linear graph with B branches represent B system elements, each with a known elemental equation or source function.

* The graph also represents the structure of the element interconnections, in terms of the continuity and compatibility constraint equations.

* In the following sections we use the properties of linear graphs to

- (i) derive the ~~system~~ structural constraints
- (ii) define the ~~set~~ of state variables
- (iii) provide a system structural technique for deriving the system state equations [4-8].

System Graph:

* The oriented linear graph model of system.

Connected Graph:

* A system graph in which a path exists between all pairs of nodes.

* A path is said to exist if the node pair is joined by a series of branches.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Academic year 2020-21 Odd Sem
VALUE ADDED COURSE
WEBPORTAL ENTRY-1

SUBJECT: EVA002 - ADVANCES IN SOLAR ENERGY TECHNOLOGIES
SEMESTER - V / III - Year EEE

TOTAL HOUR: 18

Roll No.	Register Number	Name of the Students	Attended Hour	Mark
1.	821118105001	ABIRAMI U	17	96
2.	821118105002	AKESH SATHIYA A	17	95
3.	821118105003	BAVANA K	16	84
4.	821118105005	CHANDRAKUMAR S	16	85
5.	821118105006	CHANDRAPRIYA S	16	86
6.	821118105009	JAGADESHWARAN S	16	85
7.	821118105010	JAYAPRAKASH R	17	96
8.	821118105011	KARTHIKEYAN K	17	94
9.	821118105013	KAVIYA M	17	87
10.	821118105015	MOHAMEDHALITH S	18	96
11.	821118105017	PRIYADHARSHINI S	17	87
12.	821118105019	SANTHOSH G	15	88
13.	821118105020	SANTHOSH G	16	83
14.	821118105023	VASANTH K	17	95
15.	821118105301	PREMALATHA N	18	96

[Signature]
30/9/20
Faculty In-Charge

[Signature]
30/9/20
Head of the Department

[Signature]
30/9/2020
Principal



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic year 2020-21 Odd Sem

VALUE ADDED COURSE

WEBPORTAL ENTRY-2

SUBJECT: EVA002 - ADVANCES IN SOLAR ENERGY TECHNOLOGIES

SEMESTER - V / III - Year EEE

TOTAL HOUR: 12

Roll No.	Register Number	Name of the Students	Attended Hour	Mark
1.	821118105001	ABIRAMI U	11	94
2.	821118105002	AKESH SATHIYA A	11	93
3.	821118105003	BAVANA K	11	86
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7.	821118105010	JAYAPRAKASH R	12	94
8.	821118105011	KARTHIKEYAN K	12	96
9.	821118105013	KAVIYA M	10	89
10.	821118105015	MOHAMEDHALITH S	11	94
11.	821118105017	PRIYADHARSHINI S	10	83
12.	821118105019	SANTHOSH G	12	82
13.	821118105020	SANTHOSH G	11	87
14.	821118105023	VASANTH K	12	95
15.	821118105301	PREMALATHA N	11	94

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13/11/20
Faculty In-Charge

[Signature]
13/11/20
Head of the Department

[Signature]
13/11/2020
Principal



ANNA UNIVERSITY :: CHENNAI - 600 025

OFFICE OF THE CONTROLLER OF EXAMINATIONS

Assessment Details Entered

NOV. / DEC. EXAMINATION, 2020 - EXAMINATIONS

Inst Code & Name : 8211 - KINGS COLLEGE OF ENGINEERING

Branch Code / Name : 105 : B.E. Electrical and Electronics Engineering University : AUC
Semester : 05

Register No.	Name of the Student	Subjects	Attend hr 1	Total hr 1	Attend hr 2	Total hr 2	IM 2	Attend hr 3	Total hr 3	IM 3	Attend hr 4	Total hr 4	IM 4
821118105001	ABIRAMI U	CS8383									60	60	98
		CS8392			10	12	91	13	13	98	19	20	98
		EE8501			14	16	88	12	14	88	17	19	94
		EE8511									60	60	98
		EE8551			9	11	88	10	12	91	20	22	95
		EE8552			10	12	88	8	8	93	23	25	98
		EE8591			10	11	88	13	13	85	19	20	95
		EVA002						17	18	98	15	12	98
		HS8581									28	30	98
		OMD551			9	11	84	8	8	86	23	26	94
821118105002	AKESH SATHYA A	CS8383									60	60	98
		CS8392			10	12	83	12	13	88	18	20	94
		EE8501			15	16	84	12	14	87	17	19	94
		EE8511									60	60	98
		EE8551			9	11	88	12	12	97	20	22	95
		EE8552			10	12	90	8	8	92	23	25	95
		EE8591			10	11	83	13	13	89	18	20	93
		EVA002						17	18	98	15	12	98
		HS8581									28	30	98
		OMD551			9	11	83	7	8	88	24	26	93
821118105003	DAYANA K	CS8383									60	60	98
		CS8392			10	12	89	11	13	82	18	20	92
		EE8501			14	16	82	12	14	85	17	19	93
		EE8511									60	60	94
		EE8551			10	11	84	11	12	84	20	22	98
		EE8552			12	12	84	8	8	92	22	25	94
		EE8591			10	11	88	11	13	80	18	20	88
		EVA002						18	18	98	15	12	98
		HS8581									27	30	98
		OMD551			11	11	84	8	8	86	23	26	98
821118105005	CHANDRAKUMAR S	CS8383									60	60	98
		CS8392			10	12	85	12	13	80	18	20	92
		EE8501			14	16	82	12	14	86	17	19	93
		EE8511									60	60	94
		EE8551			10	11	80	12	12	86	19	22	95
		EE8552			10	12	84	7	8	85	22	25	94
		EE8591			9	11	88	11	13	81	18	20	88
		EVA002						18	18	98	15	12	98
		HS8581									28	30	94
		OMD551			9	11	88	8	8	86	24	26	98
821118105006	CHANDRAPRIYA S	CS8383									60	60	92
		CS8392			12	12	84	13	13	80	18	20	92
		EE8501			15	16	80	12	14	83	17	19	94
		EE8511									60	60	94
		EE8551			9	11	88	12	12	88	19	22	95
		EE8552			10	12	82	8	8	90	22	25	98
		EE8591			9	11	91	12	13	88	18	20	88
		EVA002						18	18	98	15	12	98
		HS8581									27	30	94
		OMD551			10	11	85	7	8	87	22	26	98
821118105008	JAGADESHWARAN S	CS8383									60	60	98
		CS8392			10	12	88	9	13	88	18	20	93
		EE8501			16	16	88	13	14	86	18	18	93



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Assessment Details Entered
NOV. / DEC. EXAMINATION, 2020 - EXAMINATIONS

Inst Code & Name : 8211 - KINGS COLLEGE OF ENGINEERING

	EE8511							58	60	93
	EE8551	9	11	85	10	12	81	20	22	95
	EE8552	10	12	88	7	8	90	23	25	95
	EE8591	9	11	88	11	13	80	17	20	85
	EVA002				16	18	85	11	12	87
	HS8581							27	30	92
821118105010 JAYAPRAKASH R	OMD551	9	11	83	6	8	83	24	26	90
	CS8383							60	60	98
	CS8392	12	12	98	13	13	97	20	20	98
	EE8501	15	16	98	14	14	98	19	19	98
	EE8511							60	60	98
	EE8551	11	11	96	12	12	98	22	22	100
	EE8552	12	12	98	8	8	97	25	25	98
	EE8591	11	11	98	13	13	99	20	20	98
	EVA002				17	18	96	12	12	94
	HS8581							30	30	99
821118105011 KARTHIKEYAN K	OMD551	11	11	96	8	8	99	26	26	98
	CS8383							60	60	98
	CS8392	12	12	98	13	13	95	20	20	98
	EE8501	15	16	98	14	14	98	19	19	98
	EE8511							60	60	98
	EE8551	11	11	98	12	12	98	22	22	100
	EE8552	12	12	98	8	8	99	25	25	98
	EE8591	11	11	98	13	13	99	20	20	98
	EVA002				17	18	94	12	12	96
	HS8581							30	30	99
821118105013 KAVIYA M	OMD551	11	11	96	8	8	94	26	26	98
	CS8383							50	60	90
	CS8392	10	12	80	6	13	90	18	20	94
	EE8501	14	16	80	12	14	83	17	19	90
	EE8511							54	60	92
	EE8551	9	11	80	10	12	87	19	22	84
	EE8552	10	12	80	6	8	97	22	25	95
	EE8591	9	11	80	11	13	85	17	20	90
	EVA002				17	18	87	10	12	89
	HS8581							27	30	92
821118105015 MOHAMED HALITH S	OMD551	9	11	80	6	8	85	22	26	89
	CS8383							60	60	98
	CS8392	12	12	88	13	13	96	20	20	98
	EE8501	16	16	84	13	14	85	19	19	96
	EE8511							60	60	98
	EE8551	11	11	94	12	12	98	22	22	100
	EE8552	12	12	96	8	8	99	25	25	98
	EE8591	11	11	96	11	13	98	20	20	96
	EVA002				18	18	96	11	12	94
	HS8581							30	30	98
821118105017 PRIYADHARSHINI S	OMD551	9	11	91	8	8	99	24	26	94
	CS8383							50	60	90
	CS8392	10	12	87	10	13	80	18	20	90
	EE8501	15	16	82	12	14	81	17	19	90
	EE8511							50	60	90
	EE8551	9	11	89	11	12	88	19	22	94
	EE8552	10	12	82	7	8	95	22	25	95
	EE8591	9	11	87	12	13	89	17	20	88
	EVA002				17	18	87	10	12	83
	HS8581							27	30	90
821118105019 SANTHOSH G	OMD551	9	11	80	6	8	89	22	26	89
	CS8383							51	60	96



ANNA UNIVERSITY :: CHENNAI - 600 025 OFFICE OF THE CONTROLLER OF EXAMINATIONS

Assessment Details Entered

NOV. / DEC. EXAMINATION, 2020 - EXAMINATIONS

Inst Code & Name : 8211 - KINGS COLLEGE OF ENGINEERING

	CS8392	12	12	100	12	13	94	19	20	95
	EE8501	16	16	88	12	14	81	18	19	90
	EE8511							54	60	93
	EE8551	10	11	80	11	12	90	19	22	84
	EE8552	12	12	88	8	8	95	22	25	94
	EE8591	10	11	96	11	13	86	17	20	88
	EVA002				15	18	88	12	12	82
	HS8581							27	30	93
	OMD551	11	11	82	6	8	96	22	26	92
821118105020 SANTHOSH G	CS8383							55	60	96
	CS8392	12	12	98	10	13	85	19	20	95
	EE8501	16	16	80	12	14	85	18	19	90
	EE8511							54	60	93
	EE8551	9	11	92	10	12	82	19	22	84
	EE8552	11	12	98	6	8	84	23	25	94
	EE8591	11	11	87	11	13	80	17	20	88
	EVA002				16	18	83	11	12	87
	HS8581							27	30	93
	OMD551	9	11	88	6	8	82	22	26	92
821118105023 VASANTH K	CS8383							60	60	98
	CS8392	12	12	98	13	13	96	20	20	98
	EE8501	16	16	82	14	14	88	19	19	96
	EE8511							60	60	98
	EE8551	10	11	82	12	12	93	22	22	100
	EE8552	12	12	88	8	8	97	24	25	98
	EE8591	11	11	88	12	13	97	20	20	98
	EVA002				17	18	95	12	12	95
	HS8581							28	30	97
	OMD551	10	11	94	8	8	94	24	26	96
821118105301 PREMALATHA N	CS8383							60	60	98
	CS8392	10	12	91	13	13	87	20	20	98
	EE8501	16	16	82	13	14	90	19	19	98
	EE8511							60	60	98
	EE8551	10	11	86	12	12	95	22	22	100
	EE8552	12	12	92	8	8	91	25	25	98
	EE8591	9	11	90	12	13	93	20	20	98
	EVA002				18	18	96	11	12	94
	HS8581							30	30	98
	OMD551	11	11	94	8	8	89	26	26	96



STUCOR APP



Result for Nov. / Dec. Examination, 2020 [Arrear]

Register Number :	821118105002		
Name :	AKESH SATHIYA A		
Branch :	B.E. Electrical and Electronics Engineering		
Semester	Subject Code	Grade	Result
03	EC8353	A	PASS
03	EE8301	B+	PASS
03	EE8391	A	PASS
03	MA8353	B	PASS
03	ME8792	B	PASS
02	BE8252	A+	PASS
02	EE8251	B	PASS
02	PH8253	B+	PASS

**Note : [Grade]# The Screen was not shared during the Examination. If this is repeated in future, this will be treated as malpractice.
(Example: A# B# C# ...)**

Result for Nov. / Dec. Examination, 2020

Register Number :	821118105002		
Name :	AKESH SATHIYA A		
Branch :	B.E. Electrical and Electronics Engineering		
Semester	Subject Code	Grade	Result
05	CS8392	B+	PASS
05	EE8501	B	PASS
05	EE8551	B+	PASS
05	EE8552	U	RA
05	EE8591	B	PASS
05	EVA002	O	PASS
05	OMD551	B	PASS

**Note : [Grade]# The Screen was not shared during the Examination. If this is repeated in future, this will be treated as malpractice.
(Example: A# B# C# ...)**

Legends

Disclaimer: The result published in this website is provisional only. NIC or O/o CoE, AU are not responsible for any inadvertent error that may have crept in the data / results being published on the Net. This is being published on the Net just for immediate information to the examinees. The Final Mark Sheets issued by the University should only be treated authentic & final in regard. These Provisional Results will be considered by the University, further, only based on DOTE approval.

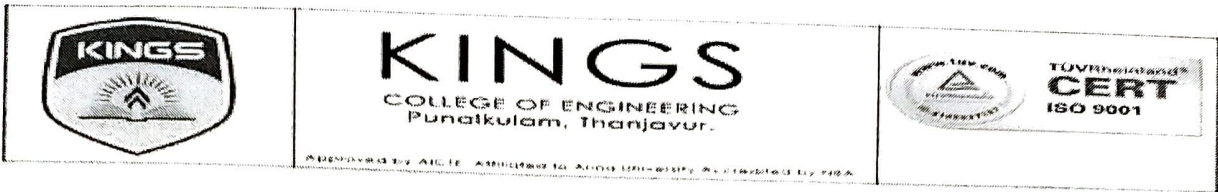
My Credit Course (MCC) sample



DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2017 - 2018 / VII **SEMESTER**
COURSE FILE- CONTENT PAGE

YEAR & SEM	: <u>IV & VII</u>	BATCH	: <u>2014 - 2018</u>
SUBJECT CODE	: -	SUBJECT NAME	: <u>Non Destructive Testing</u>
REGULATION	: <u>2013</u>	STAFF IN-CHARGE	: <u>V. Vijayakumar.</u>

- Syllabus
- Course plan
- Student name list
- Individual time table
- Unitwise notes
- Internal assessment question paper, answer key
- Internal assessment mark statement
- Test report (covering Corrective, Preventive action)
- Sample assessment papers (Poor, Average, Top scores) for all assessments.
- Review sheet
- Log book
- Certificates



DEPARTMENT OF MECHANICAL ENGINEERING

MY CREDIT COURSE

NON DESTRUCTIVE TESTING

SYLLABUS

UNIT I OVERVIEW OF NDT

(8)

NDT Versus Mechanical testing Overview of the Non Destructive Testing Methods for the detection of manufacturing defects as well as material characterization. Relative merits and limitations, Various physical characteristics of materials and their applications in NDT. Visual inspection V Unaided and aided.

UNIT II LIQUID PENETRANT TESTING (PT)

(8)

Liquid Penetrant Testing – Principles, types and properties of liquid penetrants, developers, advantages and limitations of various methods, Testing Procedure, Interpretation of results.

UNIT III MAGNETIC PARTICLE TESTING (MT)

(10)

Magnetic Particle Testing- Theory of magnetism, inspection materials Magnetisation methods, Interpretation and evaluation of test indications, Principles and methods of demagnetization .ASNT code selection.

UNIT IV ULTRASONIC TESTING (UT)

(12)

Ultrasonic Testing-Principle, Transducers, transmission and pulse-echo method, straight beam and angle beam, instrumentation, data representation, A/Scan, B-scan, C-scan. Phased Array Ultrasound, Time of Flight Diffraction. ASNT Codes.

UNIT V RADIOGRAPHY TESTING (RT)

(12)

Principle, interaction of X-Ray with matter, imaging, film and film less techniques, types and use of filters and screens, geometric factors, Inverse square, law, characteristics of films – graininess, density, speed, contrast, characteristic curves, Penetrameters, Exposure charts, Radiographic equivalence. Various defect finding using radiography testing

TOTAL : 50 PERIODS


MCC INCHARGE


HOD



DEPARTMENT OF MECHANICAL ENGINEERING

MY CREDIT COURSE

Name of the Course: NON DESTRUCTIVE TESTING

Year/Sem: IV/VIII

Staff in charge: Mr. V.VIJAYAKUMAR

Academic year: 2017-2018 EVEN

Total Periods: 50

Course Plan

Sl.No	Title	Hours Planned		Cum. Hours
		Theory	Practical	
UNIT I- OVERVIEW OF NDT				
1	NDT Versus Mechanical testing Overview	1	--	1
2	Non Destructive Testing Methods	1	--	2
3	Detection of manufacturing defects	1	--	3
4	Material characterization	1	--	4
5	Merits and limitations	1	--	5
6	Physical characteristics of materials	1	--	6
7	Materials and their applications	1	--	7
8	Visual inspection	1	1	8
UNIT II LIQUID PENETRANT TESTING				
1	Liquid Penetrant Testing	1	--	9
2	Principles	1	--	10
3	Types of liquid penetrants	1	--	11
4	Properties of liquid penetrants	1	--	12
5	Developers	1	--	13
6	Advantages and limitation	1	--	14
7	Various methods	1	--	15
8	Testing Procedure	1	1	16
UNIT III MAGNETIC PARTICLE TESTING				
1	Magnetic Particle Testing	1	--	17
2	Theory of magnetism	1	--	19
3	Inspection materials	1	--	20

4	Magnetisation methods	1	--	21
5	Interpretation and evaluation	1	--	22
6	Test indications	1	--	23
7	Principles of demagnetization	1	--	24
8	ASNT Code selection	1	--	25
9	Evaluative Test 1	-	--	26
UNIT IV ULTRASONIC TESTING				
1	Ultrasonic Testing	1	--	27
2	Transducers	1	--	28
3	Transmission and pulse-echo method	1	--	30
4	Straight beam	1	--	31
5	Angle beam, instrumentation	1	--	32
6	Data representation	1	--	33
7	A/Scan, B-scan, C-scan	1	--	34
8	Phased Array Ultrasound	1	--	35
9	Time of Flight Diffraction	1	--	36
10	ASNT Codes	1	2	38
UNIT V RADIOGRAPHY TESTING				
1	Radiography Principle	1	--	39
2	Interaction of X-Ray with matter	1	--	40
3	Imaging	1	--	41
4	Film and film less techniques	1	--	42
5	Types and use of filters and screens	1	--	43
6	Geometric factors, Inverse square, law	1	--	44
7	Characteristics of films	1	--	45
8	Graininess, density, speed	1	--	46
9	Contrast, characteristic curves, Penetrameters	1	--	47
10	Exposure charts, Radiographic equivalence	1	--	48
11	Various defect finding using radiography testing	1	1	49
12	Evaluative Test 2	-	--	50


MCC INCHARGE


HOD



**DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2017-2018 (EVEN SEMESTER)**

NAME LIST

Class : IV Mech. / A & B Section

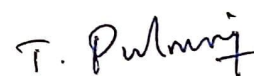
Sl.No.	Reg. No.	Name of the Student
1	821114114002	AJEETH KUMAR. E
2	821114114006	ALBERT JERALD. F
3	821114114007	ANANTHAN. A
4	821114114009	ANUTH RAJ. A
5	821114114012	ARUN.A
6	821114114014	ARUNACHALAM. S
7	821114114016	ASWIN. D
8	821114114017	AVINASH. S
9	821114114018	BAIRAVAMOORTHY. A
10	821114114022	BALAJI. R (28.01.1997)
11	821114114023	BALASUBRAMANIAN. S
12	821114114024	BALAVIGNESH. B
13	821114114025	BHARATHI. M
14	821114114026	DEVAH. M
15	821114114081	STEPHEN RAJ. D
16	821114114085	SURIYA. N
17	821114114087	TAMIL MARAN. N
18	821114114098	VIGNESHAN. A
19	821114114101	VINTOH. G
20	821114114102	VINOTH KUMAR. S
21	821114114303	CHINNATHAMBI.P
22	821114114305	KAMESH R
23	821114114307	KARTHIK S
24	821114114311	MAHESWARAN.V
25	821114114027	DURAIMURUGAN. D
26	821114114032	GUNASEELAN. M
27	821114114033	HARIHARAN. S
28	821114114035	JAI VIGNESH. E
29	821114114037	JOANPRAKASH. P
30	821114114038	JOTHI BASU. J
31	821114114040	KARTHICK.K (23.11.96)
32	821114114041	KARTHICK.K(12.05.97)
33	821114114046	KISHORE KUMAR. A
34	821114114047	KUMARAVEL. G
35	821114114048	KURALARASAN. G
36	821114114051	MAHATHEER MANSOOR. M
37	821114114052	MANIKANDAN. R

Class : IV Mech. / A & B Section

Sl.No.	Reg. No.	Name of the Student
38	821114114054	MOHAMED HANIFA. T
39	821114114056	MUKILAN. A
40	821114114057	MURUGAN. A
41	821114114058	NARENDRAN. M
42	821114114059	NAVANEETHA KRISHNAN. R
43	821114114060	NIRMAL RAJ.K
44	821114114062	PARTHASARATHY. A
45	821114114063	PRAVEEN. M
46	821114114064	PRAVIN KUMAR. V
47	821114114065	PUSHPANATHAN. K
48	821114114066	RAJAKUMARAN. R.A
49	821114114067	RAJAN. B
50	821114114069	RAJKUMAR. E
51	821114114070	RAMAGOPAL.R
52	821114114071	RAMKUMAR. A
53	821114114073	SABARINATHAN. R
54	821114114076	SATHISH. T
55	821114114078	SATHISHKUMAR. R
56	821114114313	MOHAMED IMRAN.A
57	821114114314	NAVEEN.S
58	821114114315	RADHAKRISHNAN S
59	821114114318	SATHISHKUMAR S
60	821114114321	VENGATESHWARAN.R
61	821114114501	ARULARASAN.C



COURSE IN CHARGE



HOD/MECH



DEPARTMENT OF MECHANICAL ENGINEERING

TIME TABLE (DEC 2017 - MAY 2018 EVEN SEM)

B.E - MECH (Regulation 2013) - With Effect from 18.12.17

Batch:2014-2018
Year: IV

Section: A

Semester: VII

Class Room : 208

Strength: 61
Block: II

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.15 pm	5	6	02.45 pm - 03.00 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.15pm - 02.00pm	02.00pm - 02.45pm		03.00pm - 03.45pm	03.45pm - 04.30pm
MON	MG6863	ME6016	BREAK	MG6863	MCC	LUNCH BREAK	ME6016	IE6605	BREAK	PW	LIB/NET
TUE	ME6016	IE6605		MCC			IE6605	ME6016		IE6605	MG6863
WED	MG6863	ME6016		MCC			IE6605	T&P(S)		MG6863	LIB/NET
THU	ME6016	IE6605		MCC			MG6863	ME6016		PW	
FRI	IE6605	ME6016		MG6863	IE6605		MCC			MG6863	T&P(A)

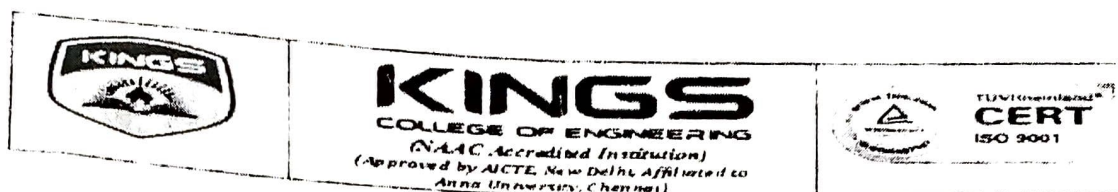
SUB. CODE	NAME OF THE SUBJECT	CREDITS	NAME OF THE STAFF	DEPT.	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)					
MG6863	Engineering Economics	3	Mr.B.Sureshbabu	T&P	8
IE6605	Production Planning and Control	3	Mr.B.Adhichelvan	MECH	8
ME6016	Advanced I.C. Engines	3	Dr.T.Pushparaj	MECH	8
PRACTICAL (P)					
ME6811	Project Work	6	Mr.B.Adhichelvan	MECH	3
VALUE ADDITION INITIATIVES (VAI)					
LIB/NET	Library/Internet	-	Mr.B.Adhichelvan	MECH	2
T&P(S)	Training and Placement (Soft Skills)	VAI	Mr.K.Sudhakar	T&P	1
T&P(A)	Training and Placement (Aptitude)	VAI	Mr.B.Barankumar	T&P	1
MCC	Computer Aided Modeling and Manufacturing	VAI	Mr.R.Shankar	MECH	9
MCC	Non Destructive Testing	VAI	Mr.V.Vijayakumar	MECH	

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVE	ROLL NO.
Mr. B.Adhichelvan	N.Anandhan	07
CLASS COMMITTEE CHAIR PERSON	Mr.N.Magesh	

Dr. B.
DEPT. MEC

T. Sankar
HOD 6/12/17

[Signature]
PRINCIPAL



DEPARTMENT OF MECHANICAL ENGINEERING

TIME TABLE (DEC 2017 - MAY 2018 EVEN SEM)

B.E - MECH (Regulation 2013) - With Effect from 18.12.17

Batch: 2014-2018
Year: IV

Section: B

Semester: VII

Class Room : 207

Strength: 60
Block: II

Section: B			Semester: VII			Class Room : 207			Block: II		
Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.15 pm	5	6	02.45 pm - 03.00 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.15pm - 02.00pm	02.00pm - 02.45pm		03.00pm - 03.45pm	03.45pm - 04.30pm
MON	MG6863	ME6016	BREAK	IE6605	MCC	LUNCH BREAK	ME6016	IE6605	BREAK	PW	
TUE	ME6016	MG6863		MCC			MG6863	ME6016		IE6605	LIB/NET
WED	IE6605	MG6863		MCC			ME6016	IE6605		MG6863	PW
THU	ME6016	MG6863		MCC			ME6016	IE6605		T&P(S)	LIB/NET
FRI	MG6863	T&P(A)		ME6016	IE6605		MCC			IE6605	MG6863

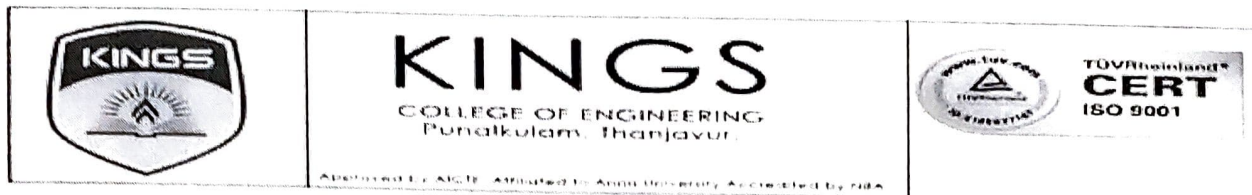
SUB. CODE	NAME OF THE SUBJECT	CREDITS	NAME OF THE STAFF	DEPT.	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)					
MG6863	Engineering Economics	3	Mr.K.Sudhakar	T&P	8
IE6605	Production Planning and Control	3	Mr.R.Shankar	MECH	8
ME6016	Advanced I.C. Engines	3	Mr.P.P.Shantharaman	MECH	8
PRACTICAL (P)					
ME6811	Project Work	6	Mr. R.Shankar	MECH	3
VALUE ADDITION INITIATIVES (VAI)					
LIB/NET	Library/Internet	-	Mr.R.Shankar	MECH	2
T&P(S)	Training and Placement (Soft Skills)	VAI	Mr.B.Suresh Babu	T&P	1
T&P(A)	Training and Placement (Aptitude)	VAI	Mr.B.Barankumar	T&P	1
MCC	Computer Aided Modeling and Manufacturing	VAI	Mr. R.Shankar	MECH	9
MCC	Non Destructive Testing	VAI	Mr. V.Vijayakumar	MECH	

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVE	ROLL NO.
Mr.R.Shankar	H.Jalaludeen	09
CLASS COMMITTEE CHAIR PERSON	Mr.V.Vinothkannan	

DEPT. TTC

HOD 6/12/17

PRINCIPAL



DEPARTMENT OF MECHANICAL ENGINEERING
ACTION PLAN FOR MY CREDIT COURSE
ACADEMIC YEAR 2017 - 2018 (EVEN SEMESTER)

DATE: 28.01.2018

S.No	Details	Scheduled Date	Periods	Resource person
1	Liquid Penetrant Testing (PT)	5.2.18	1 - 8	R. SHANKAR
2	Radiographic Testing (RT)	12.2.18	1 - 8	V. VIJAYAKUMAR
3	Evaluation Test 1	19.2.18	1 - 4	-
4	Ultrasonic Testing (UT)	26.2.18	1 - 8	M.PRABHAKAR
5	Magnetic Particle Testing (MT)	4.3.18	1 - 8	B.ADICHELVAN
6	Visual Testing (VT)	9.3.18 & 10.3.18	1- 5 & 1 -5	P.P.SHANTHARAMAN
7	Evaluation Test 2	2.4.18	1 - 4	-

✓
INCHARGE

T. P. Shantharaman
HOD

LIQUID PENETRANT TESTING - Principles,
types and Properties of liquid Penetrants,
Development, Advantage and Limitations of
Various Methods, Testing Procedure,
Interpretation of results. Magnetic
Particle Testing - Theory of Magnetism,
Inspection Materials Magnetization Methods,
Interpretation and evaluation of Test
Indications, Principles and Methods
of Demagnetization Residual
Magnetism.

Overview of LPT :-

Liquid Penetrating Testing detects defects that flaws that are open to the surface and is a type of visual inspection.

This method is based upon the principle of capillary action.

Penetrants are of two types, fluorescent or non fluorescent (Visible)

Several Developer types are available, including :

Non-aqueous wet developer, dry powder, water suspendible, and water soluble.

(B)

There are four essential steps required for this test.

* Selection of Material with a surface breaking crack that is not visible to the naked eye.

* Penetrant Application.

* Excess Penetrant removal.

* Developer application.

Non - Destructive Testing :-

Liquid Penetrant testing is one of the oldest and simplest NDT methods where its earliest versions

(Using kerosene and Oil mixture) dates back to the 19th Century.

This method is used to reveal surface discontinuity by bleed out of a coloured or fluorescent dye from the flaw.

the ability of a liquid to ~~the~~ be drawn into a clean surface discontinuity by capillary action.

After a period of time called the "dwell time", excess penetrant is removed and a developer applied.

The advantage that a liquid penetrant inspection offers over an unaided visual inspection is that it makes defects easier to see for the inspector whereas that is done in two ways.

* It produces a flaw indication that is much larger and easier for the eye to detect than the flaw itself.

a flaw due to the high level of contrast between the indication and the background which helps to make the indication more easily seen.

Liquid Penetrant testing is one of the most widely used NDT Methods. Its popularity can be attributed to two main factors. Its relative ease and its flexibility.

Steps of Liquid Penetrant Testing :-

The exact procedure for Liquid Penetrant Testing can vary from case to case depending on several factors such as the Penetrant system being used, the size and Material of the Component being Inspected.

↓
Penetrant Application

↓
Penetrant Dwell

↓
Excess Penetrant Removal

↓
Developer Application.

↓
Indication Development

↓
Inspection

↓
Clean Surface.

One of the most critical step of a Liquid Penetrant testing is surface Preparation. The surface

The surface must be free from oil, grease, water or other contaminants that may prevent penetrant from entering flaws.

Penetrant Application :-

Once the surface has been thoroughly cleaned and dried, the Penetrant material is applied by spraying, brushing, or immersing the part in a Penetrant bath.

The Penetrant is left on the surface for a sufficient time to allow as much penetrant dwell time as the total time that the Penetrant is in contact with the Part surface.

Dwell times are usually recommended by the Penetrant producer or required by the specification being followed.

Excess Penetrant Removal :-

This is most delicate part of the inspection procedure because the excess Penetrant must be removed from the surface of the sample, while removing as little Penetrant as possible from defects.

A thin layer of developer is then applied to the sample & draw penetrant trapped in flaws back to the surface where it will be visible.

Developer come in a variety of forms that may be applied by dusting dipping or spraying.

Indication Development :-

The developer is allowed to stand on the part of surface for a period of time sufficient to permit the extraction of the trapped penetrant out of any surface flaws. This development time is usually a minimum of 10 minutes.

Inspection is then performed
Under appropriate lighting to
detect indications from any
flaws which may be present.

Clean Outlets :-

The final step in the process
is to thoroughly clean the part
surface to remove the developer from
the parts that were found to be
acceptable.

These are the light
steps of the liquid penetrant
drying.

* Portable.

* Low cost.

* No Skilled Labour are Needed

* All Metals & Non Metals are Tested

* Single Side Access.

* Not harmful to the Material being Tested or the Inspector.

* Highly Visible (or) Fluorescence brightly.

Disadvantages :-

Only surface defects can be detected.

Only Materials with a relatively non porous surface can be inspected

Pre cleaning is critical since contaminants can mask defects.

Chemical handling and proper disposal is required.

KINGS COLLEGE OF ENGINEERING
CONTINUOUS ASSESSMENT TEST-I (FEB-2018)
NON DESTRUCTIVE TESTING AND EVALUATION

Class / Sem : IV / VII

Maximum : 50 Marks

Date / Session : 19-02-2018 / AN

Time : 2.30 pm - 3.30 pm

Answer ALL questions
PART-A (5 x 2 = 10 Marks)

1. What is purpose of NDT inspection?
2. Visual inspection process often provides an useful supplement in Non-Destructive Inspection process. Comment.
3. Write the difference between Defects and Discontinuities?
4. Mention the factors that determine the ability of a liquid to flow over the surface and enter into cavities?
5. Define Quantitative Quality Indicator.

PART-B (2 x 13 = 26 Marks)

6. (a) (i) With the help of a neat diagram, explain computer enhanced visual inspection system. (6)
(ii) Briefly explain the different types of borescopes used in visual inspection. (7)
(OR)
(b) (i) Elaborate the applications of visual inspection. (6)
(ii) Mention the merits and demerits of visual inspection. (7)
7. (a) (i) Explain the post-emulsifiable-lipophilie and solvent removable methods in liquid penetrant testing using process flow diagram. (7)
(ii) How do you classify the types of penetrants. Explain them with suitable examples. (6)
(OR)
(b) (i) Discuss about water washable and post emulsifiable-hydrophilie methods in liquid penetrant testing using process flow diagram. (7)
(ii) Narrate the essential applications of LPT. (6)

PART-C (1 X 14 = 14 Marks)

8. (a) Compare the applicability of the various Non-Destructive Evaluation methods to flaw detection in Powder Metallurgy parts. (14)
(OR)
(b) Geometric weld discontinuities are one of the common problems associated with welded structures. Suggest a suitable NDT technique to detect the various geometric discontinuities in welds and explain the process with diagrams. (14)

KINGS COLLEGE OF ENGINEERING
CONTINUOUS ASSESSMENT TEST-II (APRIL 2018)
NON DESTRUCTIVE TESTING AND EVALUATION

Class / Sem : IV MECH / 07
Maximum : 50 Marks

Date & Session : 02-04-2018 & AN
Time : 2.15 p.m. to 3.45 p.m.

Answer All Questions
PART-A (5 x 2 = 10 Marks)

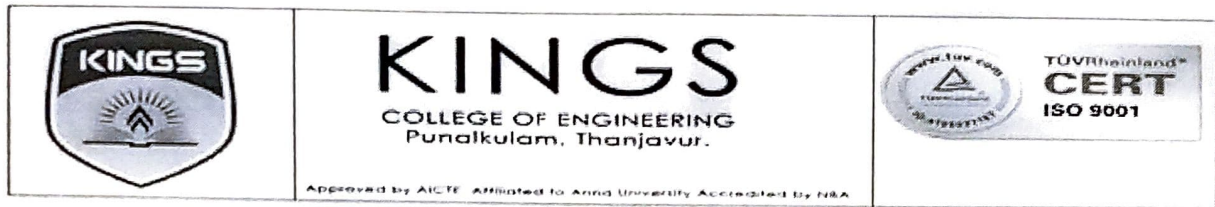
1. What do you mean by magnetic particle test?
2. List out the magnetization methods.
3. How the demagnetization is carried out for the parts after inspection?
4. Define thermography.
5. Write the effect of emissivity.

PART-B (2 x 13 = 26 Marks)

6. (a) Explain with suitable sketch about following.
(i) Circular Magnetization. (6)
(ii) Longitudinal Magnetization. (7)
(OR)
(b) (i) Narrate short notes on Residual Magnetization (6)
(ii) Write the Properties of Magnetic Particle used in MPT. (7)
7. (a) (i) Discuss the principle of Thermography test with neat sketch. (7)
(ii) List the advantages, limitations and applications of Thermography test. (6)
(OR)
(b) (i) Describe the Eddy Current principle of Eddy Current testing with neat sketch. (7)
(ii) Mention the advantages and limitations of Eddy Current test. (6)

PART-C (1 x 14 = 14 Marks)

8. (a) Evaluate the procedure of detection of surface cracks or discontinuities of materials by Eddy Current method. (14)
(OR)
(b) Briefly explain the image processing of Thermography non-destructive testing. (14)



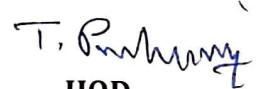
DEPARTMENT OF MECHANICAL ENGINEERING

Circular for Final Year students

16.02.2018

My Credit course evaluation test for final year Mechanical students is pre-poned to 19.02.2018 from 22.02.2018. All the students are strictly instructed to attend the test without fail.


Class Incharge


HOD



**DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2017-2018 (EVEN SEMESTER)**

NAME OF THE COURSE: NON DESTRUCTIVE TESTING - MARK STATEMENT

Class : IV Mech. / A & B Section

No. of students : 61

Sl.No.	Reg. No.	Name of the Student	ET-I	ET-II
1	821114114002	AJEETH KUMAR. E	83	AB
2	821114114006	ALBERT JERALD. F	84	81
3	821114114007	ANANTHAN. A	80	73
4	821114114009	ANUTH RAJ. A	82	85
5	821114114012	ARUN.A	89	76
6	821114114014	ARUNACHALAM. S	75	50
7	821114114016	ASWIN. D	77	60
8	821114114017	AVINASH. S	73	50
9	821114114018	BAIRAVAMOORTHY. A	82	76
10	821114114022	BALAJI. R (28.01.1997)	85	60
11	821114114023	BALASUBRAMANIAN. S	63	53
12	821114114024	BALAVIGNESH. B	87	50
13	821114114025	BHARATHI. M	79	51
14	821114114026	DEVAH. M	77	50
15	821114114081	STEPHEN RAJ. D	89	86
16	821114114085	SURIYA. N	70	60
17	821114114087	TAMIL MARAN. N	85	78
18	821114114098	VIGNESHAN. A	87	73
19	821114114101	VINTOH. G	77	50
20	821114114102	VINOTH KUMAR. S	78	73
21	821114114303	CHINNATHAMBI.P	80	86
22	821114114305	KAMESH R	AB	63
23	821114114307	KARTHIK S	53	76
24	821114114311	MAHESWARAN.V	87	70
25	821114114027	DURAIMURUGAN. D	82	52
26	821114114032	GUNASEELAN. M	62	73
27	821114114033	HARIHARAN. S	80	66
28	821114114035	JAI VIGNESH. E	77	60
29	821114114037	JOANPRAKASH. P	80	78
30	821114114038	JOTHI BASU. J	60	75
31	821114114040	KARTHICK.K (23.11.96)	82	50
32	821114114041	KARTHICK.K(12.05.97)	84	60
33	821114114046	KISHORE KUMAR. A	87	73
34	821114114047	KUMARAVEL. G	68	85
35	821114114048	KURALARASAN. G	75	50
36	821114114051	MAHATHEER MANSOOR. M	94	70
37	821114114052	MANIKANDAN. R	84	53

Class : IV Mech. / A & B Section

Sl.No.	Reg. No.	Name of the Student	ET-I	ET-II
38	821114114054	MOHAMED HANIFA. T	58	51
39	821114114056	MUKILAN. A	67	66
40	821114114057	MURUGAN. A	77	53
41	821114114058	NARENDRAN. M	78	63
42	821114114059	NAVANEETHA KRISHNAN. R	94	70
43	821114114060	NIRMAL RAJ.K	78	66
44	821114114062	PARTHASARATHY. A	87	50
45	821114114063	PRAVEEN. M	78	58
46	821114114064	PRAVIN KUMAR. V	85	AB
47	821114114065	PUSHPANATHAN. K	92	75
48	821114114066	RAJAKUMARAN. R.A	80	51
49	821114114067	RAJAN. B	85	73
50	821114114069	RAJKUMAR. E	78	52
51	821114114070	RAMAGOPAL.R	80	63
52	821114114071	RAMKUMAR. A	73	76
53	821114114073	SABARINATHAN. R	77	50
54	821114114076	SATHISH. T	73	70
55	821114114078	SATHISHKUMAR. R	63	50
56	821114114313	MOHAMED IMRAN.A	70	66
57	821114114314	NAVEEN.S	70	60
58	821114114315	RADHAKRISHNAN S	84	70
59	821114114318	SATHISHKUMAR S	82	70
60	821114114321	VENGATESHWARAN.R	72	61
61	821114114501	ARULARASAN.C	77	53



COURSE IN CHARGE



HOD/MECH



CONTINUOUS ASSESSMENT TEST - I / II / MODEL EXAMINATION

**REGISTER
NUMBER**

8 2 1 1 1 8 1 1 4 0 5 5

ROLL NO.

44

YEAR / BRANCH / SECTION

IV / Mech

College Code & Name	8	2	1	1	Kings college of Engineering
Degree/Branch	B. E - Mechanical Engineering				
Subject Code	ME8097		Subject Title		Non Destructive testing and evaluation

Semester	07
Date & session	
No. of pages used	9

All the particulars given are verified	
Signature of the Invigilator with date	K. Newton 22/
Name of the Invigilator	K. NEWTON

Instructions to the candidates

1. You are prohibited from writing your **NAME** in any part of the answer book.
2. You are prohibited from writing or leaving any distinguishing marks so as to identify your answer book.
3. Use both side of the paper for answering questions (Except front page).
4. Check the regulation, Degree, Branch, Semester, Subject code and Subject Title of the Question Paper before answering the questions.
5. Possession of any incriminating material and Malpractice of any nature shall be punishable as rules.
6. **No additional sheets will be provided.**

Signature of the Student with Date after Evaluation

SPACE FOR MARKS

45

50

100

S. Nelson Raza
23

Signature of the Examiner with Date

S. NELSON RAZA.

Name of the examiner

Part-A

1. Magnetic particle test:

Magnetic particle test referred to magnetic particle inspection destructive object techniques detect the surface and slightly subsurface defect of a ferromagnetic material like as iron, nickel and cobalt and some alloys.

2. Magnetization method:

- * Magnetization using of magnet

- * Magnetization using of electromagnet

- * using a Threading bar.

- * Contact Current Flow method

3. Demagnetization:

demagnetization are,

- * by heating the part approximately 700°C

- * The part placed on the field of an AC coil. withdrawn slowly 1.2m to 2m away.

4. Thermography:

Thermography is a method of inspecting electrical and mechanical equipment by heating the object and describing the picture. Thermography is a technique used to analyse the thermal characteristics of an irradiated image captured through a contact thermal image device.

5. Effect of emissivity:

If a material of high emissivity and one of low emissivity were placed one after the other side by side in a furnace. The emissivity is heating constant temperature. Low emissivity appears much duller.

Part-B

6(a) Circular magnetization:

(i)



* circular magnetization is formed magnetic line is rotate the circularwise rotation.

* Magnetic line makes circular formation

* Magnetization requires the rotate object from inner surface particle.

* rotation of particle in clockwise direction.

* The line makes magnetic effect on a inner of the cylinder.

* when circular magnetization is make circular motion.

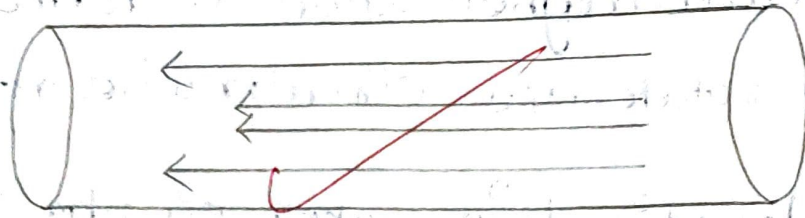
* Cylindrical shape particle one make circular magnetization is called circular magnetization.

* Magnetic lines formed circular formation to make a result of object.

* circular motion build on a cylinder motion is formed clockwise direction rotation.

b(a)
ii)

Longitudinal Magnetization:



* linear motion build on a longitudinal magnetization.

* magnetic lines moved on a straight line of cylinder.

* Magnetic line formed to inner of cylinder. The line makes magnetic force and the line was moving in straight line of the cylinder shape particle.

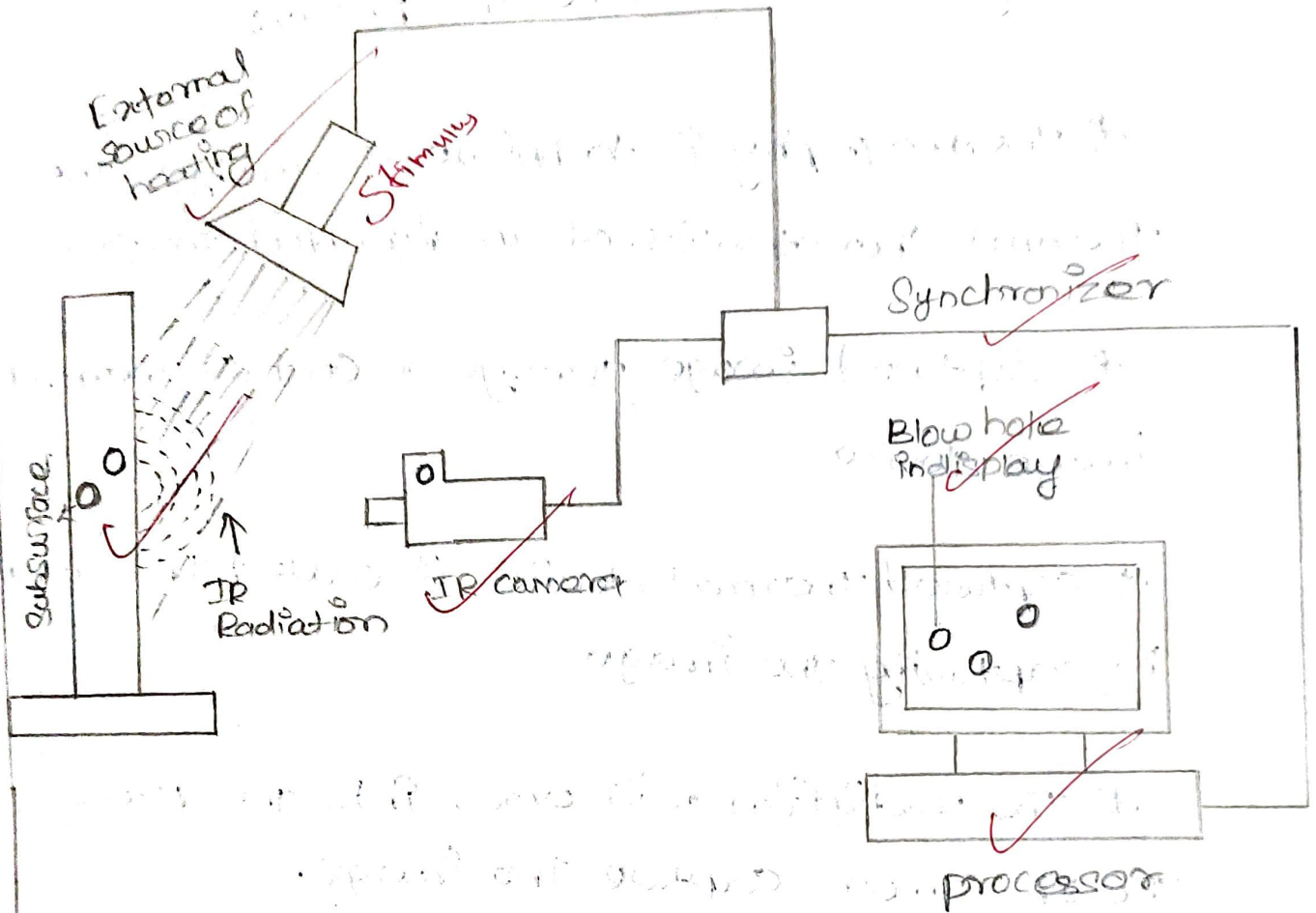
* linearly moved line has no disturbance to get and this line make magnetic force so no one can distract the line.

* The line moved forward direction to make a process.

* Cylindrical particle make linear line magnetic force in a cylinder.

Thermography Test:

7(a)
(19)



working principle of Thermography Test:

* It contains processor, synchronizer, IR camera, IR radiation, Blow hole display.

* The process starts with processor it makes the test of Thermography.

* Thermography is a function of getting Thermal energy from external source and convert the same power.

* Thermography is a method of inspecting electrical and Mechanical equipment and heating object describe the picture.

Advantage

(9)

* Thermography is technique to analyse the Thermal Characteristics of an irradiated image.

* Captured image through a Contact Thermal Image device.

* Captured Thermal device is called IR camera is capturing the image.

* The radiation will enter into the process the IR camera capture the image.

* The radiation is called IR radiation. it is worked using of external heating source.

* Synchronizer used process the heating source making high radiation so reduction the radiation synchronizer is used.

* Finally result will evaluate the Blow hole Indisplay.



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Affiliated to Anna University, Chennai



CONTINUOUS ASSESSMENT TEST - I / MODEL EXAMINATION

REGISTER
NUMBER

821118114006

ROLL NO.

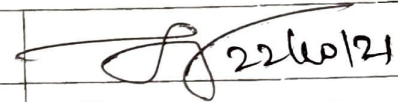
05

YEAR / BRANCH / SECTION

IV - MECH

College Code & Name	8211	KINGS COLLEGE OF ENGINEERING
Degree/Branch	BE-MECHANICAL ENGINEERING	
Subject Code	ME8097	Subject Title: Non destructive Testing and Evaluation

Semester	7th
Date & session	22/10/21 - AN
No. of pages used	EIGHT

All the particulars given are verified	
Signature of the Invigilator with date	 22/10/21
Name of the Invigilator	JEYASEELAN.T

Instructions to the candidates

1. You are prohibited from writing your **NAME** in any part of the answer book.
2. You are prohibited from writing or leaving any distinguishing marks so as to identify your answer book.
3. Use both side of the paper for answering questions (Except front page).
4. Check the regulation, Degree, Branch, Semester, Subject code and Subject Title of the Question Paper before answering the questions.
5. Possession of any incriminating material and Malpractice of any nature shall be punishable as rules.
6. **No additional sheets will be provided.**

.....
Signature of the Student with Date after Evaluation

SPACE FOR MARKS

33

50

100

 23/10/21
Signature of the Examiner with Date

S. NELSON RASA.

Name of the examiner

PART - A

1. Magnetic Partical TEST :

* The Magnetic Partical Test (MPT) is also referred as the Magnetic Partical Inspection (MPI). Technique used to detect Surface.

* It's called as the Magnetic Partical Test (or) Magnetic Partical inspection. The ferromagnetic material such as iron, nickel, cobalt and some of their alloys.

2. Magnetization Methods :

* Magnetization using a Magnetic

* Magnetization using a Electro Magnetic.

* Contact Current Flow Method.

* using Threading bar.

3. Demagnetization The Parts after the inspection :

* By Heating the Part approximately at 700°C .

* The part is placed in the field of an AC coil, withdrawn slowly

To about 1.2 m to 2 m away.

4. Thermography :

* The Thermography is the method of the inspecting Electrical and the Mechanical Equipment.

* Thermography is the Technique of Analysing the Thermal Characteristics of an object.

5. Effect of Emissivity :

* If Material of a high Emissivity and one of Low emissivity were placed side by side in the furnace and reaches to exactly to the same temperature of the material with Low Emissivity.

b.(a)

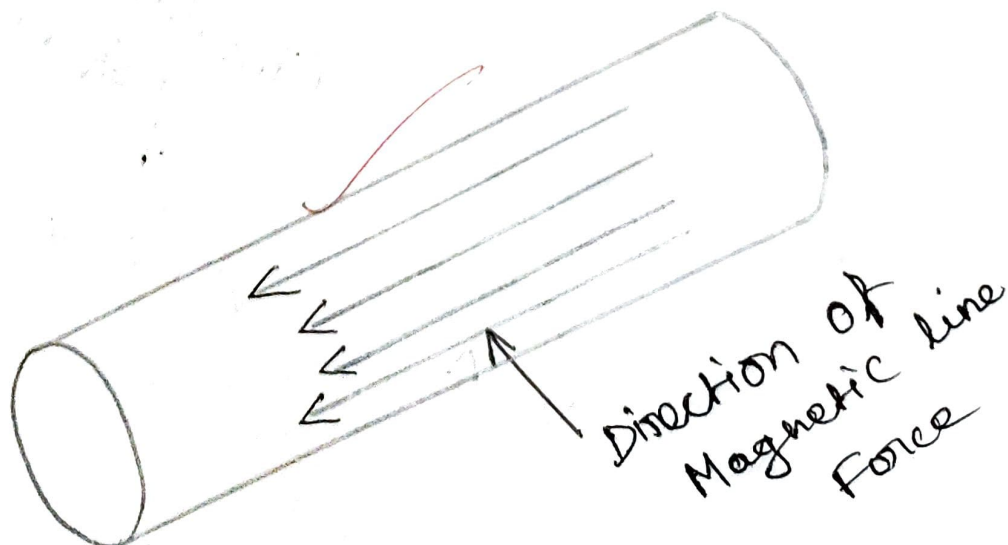
(ii) Longitudinal Magnetization :

* The Longitudinal Magnetization is the Magnetic lines of force that run parallel to the long axis of the part.

* The Longitudinal Magnetization of a component can be accomplished using the Longitudinal field setup by a coil or solenoid.

* It can be Established by the Permanent magnetic (or) Electromagnetics.
(Magnet (or) Electromagnet).

* The Longitudinal Magnetization Magnetic lines of force Diagram Shown in below.



Longitudinal Magnetization

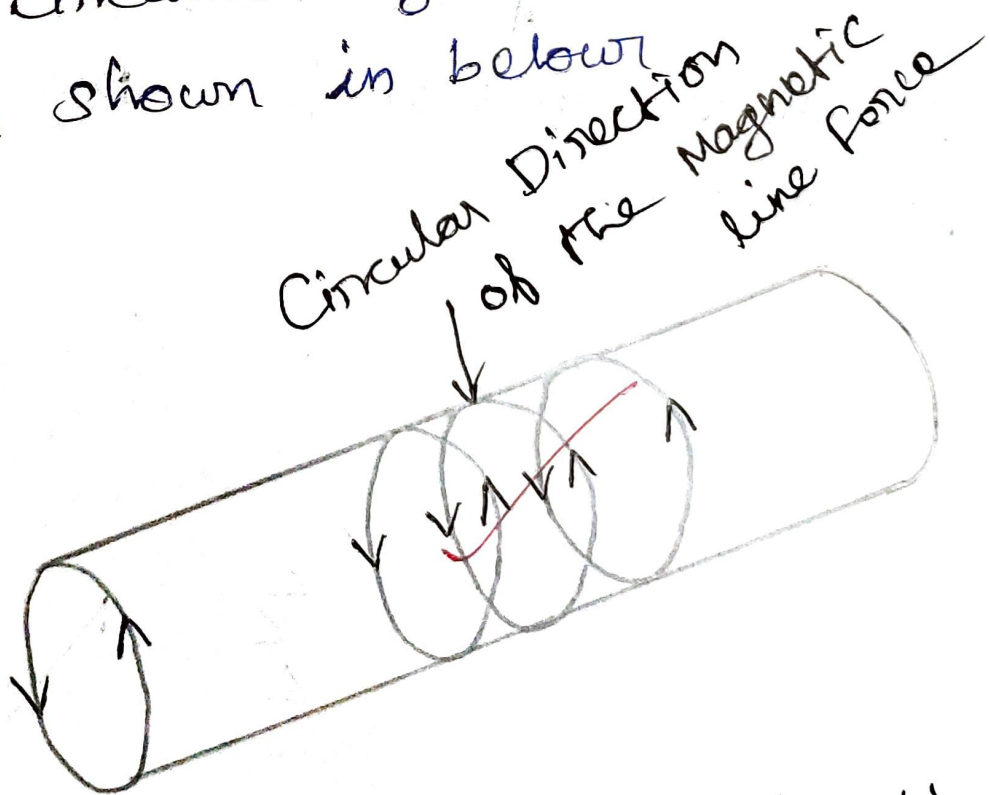
6. (a)

(i) Circular Magnetization:

* The circumferential magnetization is the circular magnetic lines of force that run circumferentially around the perimeter of a part.

* A circumferential magnetization is a circular magnetic field is induced in the component by either passing current through the component, or by passing current through a conductor surrounded by the component.

* The circumferential magnetization of the circular magnetic lines of force diagram shown in below



Circumferential Magnetization

UVK



KINGS

COLLEGE OF ENGINEERING
Punalkulam, Thanjavur.

Approved by AICTE Affiliated to Anna University, Chennai.



Attendance and Assessment Record

Name of the Staff : V. VIJAYA KUMAR

Department : MECHANICAL

Subject Code & Name : NON DESTRUCTIVE TESTING




Branch : IV YEAR.

Semester : VIIth SEM

Year : 2017-2018 ☒ Odd ☐ Even Semester

Attendance and Assessment Record

of the Staff : V.VIJAYAKUMAR Dept MECHANICAL
 of the Subject : NON DESTRUCTIVE TESTING Code _____
 ch : IV
 ster : VII Year FINAL
 of Commencement : 21/6/17 Last Working Day 21/10/17

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
End of the First Month	18	26	50%	
End of the Second Month	33	41	80%	
End of the Third Month	45	50	100%	
End of the Fourth Month				

PRINCIPAL

Attendance Particulars

Roll No.	Name	Date	21	22	23	28	29	30	31	3	3	5	6
		Month	6	6	6	6	6	6	7	7	7	7	7
		Period	7	5	1	7	5	1	1	5	7	7	7
1	DURAIMURUGAN.D		/	/	A	/	/	/	/	/	/	/	/
2	ELAYABHARATHI.K.		A	A	A	/	/	/	/	/	/	/	/
3	EZHILARASAN.K.		A	A	A	A	/	/	/	/	/	/	/
4	GOWTHAM.D		/	/	A	/	/	/	/	/	/	/	/
5	GUNASEELAN.M		A	A	/	/	/	A	A	A	/	/	A
6	HARIHARAN.S		/	/	/	/	/	/	/	/	/	/	/
7	JAGADEESAN.M		/	/	A	/	/	/	/	/	/	/	/
8	JAIVIGNESH.E		A	A	A	/	/	A	/	A	/	/	/
9	JALALUDEEN.H		A	A	A	/	/	/	/	/	/	/	/
10	JOAN PRKASH.P		A	A	/	/	/	A	A	A	/	/	/
11	JOTHIBASU.J		A	A	A	/	/	/	/	/	/	/	/
12	KALAI SELVAN.V		/	A	A	/	/	/	A	A	/	/	/
13	KARTHICK.K(23.11.96)		/	/	/	/	A	A	/	/	/	/	/
14	KARTHICK.K(12.05.97)		/	/	/	/	/	A	/	/	/	/	/
15	KARTHIK RAJA.R		/	/	/	/	/	/	/	/	/	/	/
16	KATHIRAVAN.A		/	/	/	/	/	/	/	/	/	/	/
17	KAVIYARASAN.N		A	A	A	A	/	A	/	/	/	/	/
18	KISHORE KUMAR.A		/	/	A	/	/	/	/	/	/	/	/
19	KUMARVEL.G		A	A	A	/	/	A	/	/	/	/	/
20	KURALARASAN.G		A	A	/	/	/	/	/	/	/	/	/
21	LOKESH.G		A	A	/	/	/	/	A	A	/	/	/
22	MAHATHEER MANSOOR.MA		A	A	A	/	/	/	/	/	/	/	A
23	MANIKANDAN.R		A	/	/	/	/	/	/	/	/	/	A
24	MANIMARAN.R.		A	A	A	/	/	A	/	/	/	/	/
25	MOHAMED HANIFA.T		/	/	/	/	/	/	/	/	/	/	/

Roll No.	7	10	12	13	14	17	19	20	21	21
	7	7	7	7	7	7	7	7	7	7
	1	1	7	5	1	1	7	5	1	4
1	/	/	/	/	A	/	/	/	/	/
2	/	/	/	A	A	A	A	/	/	/
3	/	/	/	/	/	/	/	A	A	A
4	A	/	/	/	/	/	/	/	/	/
5	/	/	/	A	/	A	/	/	A	/
6	/	/	/	/	/	/	/	/	/	/
7	/	A	/	/	/	/	/	/	/	/
8	/	/	/	A	A	/	/	/	A	/
9	/	A	/	/	/	/	/	/	/	/
10	/	/	/	/	A	A	/	/	/	/
11	/	A	/	/	/	/	A	/	/	/
12	/	A	/	/	/	A	/	/	/	/
13	/	/	/	A	A	/	/	/	/	/
14	/	A	/	/	/	A	/	/	/	/
15	/	/	/	/	/	/	/	/	/	/
16	A	/	/	/	/	/	/	/	/	/
17	/	/	A	/	/	/	/	/	/	/
18	/	/	/	/	/	A	/	/	/	/
19	A	/	/	/	/	A	/	/	/	/
20	/	/	/	/	/	/	/	/	/	/
21	/	/	/	/	/	A	/	/	/	/
22	/	/	/	/	/	/	/	/	A	/
23	/	/	/	/	/	/	/	/	/	/
24	/	A	/	/	/	/	/	/	/	/
25	/	/	/	/	/	/	/	/	/	/

Test								Overall Attendance %
WT 1	Assessment Test I	Mackup Test I	WT 2	Assessment Test II	Mackup Test II	Assessment Test III	Model	
Date								
	9/8/17			19/9			12/10	
	89			85			75	
	79			69			58	
	75			79			23	
	85			91			82	
	83			85			74	
	81			86			88	
	90			82			77	
	76			68			77	
	88			80			95	
	66			64			59	
	81			87			75	
	78			85			83	
	82			68			90	
	87			82			83	
	86			88			88	
	94			91			81	
	88			81			89	
	77			81			69	
	82			79			70	
	83			74			93	
	92			89			90	
	87			89			88	
	88			85			80	
	82			73			36	
	80			82			73	

Roll No.	24	26	27	28	29	31	2	3	4	7	
	7	7	7	7	7	7	8	8	9	8	
	1	7	5	1	4	1	7	5	1	1	23
	A	/	/	/	/	/	/	/	/	/	20
	/	/	/	/	/	/	/	A	/	/	15
	A	A	A	A	A	A	A	/	/	/	13
	/	/	/	/	/	/	/	/	/	/	21
	/	A	/	/	/	/	/	/	A	/	13
	/	/	A	A	A	/	/	/	/	/	21
	/	/	/	/	/	/	/	/	/	/	21
	A	/	/	A	A	/	A	/	A	/	14
	/	/	/	/	/	/	/	/	/	/	19
	A	A	/	/	/	/	A	A	/	/	14
	/	/	/	/	/	/	/	/	/	/	18
	/	/	/	A	A	/	/	/	/	/	17
	/	/	/	/	/	/	A	/	/	/	19
	/	/	/	/	/	/	/	/	/	/	20
	/	/	/	/	/	A	/	/	/	/	22
	/	/	/	/	/	/	/	/	/	/	22
	A	/	/	A	A	/	/	/	/	/	16
	A	/	/	/	/	/	/	/	/	/	21
	/	/	/	/	/	/	/	/	/	/	19
	/	/	/	/	/	/	/	/	/	/	21
	/	/	/	/	/	/	/	/	/	/	18
	/	/	/	/	/	/	/	/	/	/	18
	/	/	/	/	/	/	/	/	/	/	20
	/	/	/	/	/	/	/	/	/	/	18
	/	/	/	/	/	/	/	/	/	/	22

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(13)

12 32

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Roll No.	9	10	11	12	16	17	18	19	23
	8	8	8	8	8	8	8	8	8
	7	5	1	4	1	7	5	4	4
1	/	/	/	/	A	/	/	/	/
2	/	/	/	/	/	A	/	/	/
3	/	/	/	/	/	/	/	/	/
4	A	A	/	/	/	A	/	/	/
5	/	/	/	/	A	A	/	/	/
6	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	A	/	/	/
9	/	/	/	/	/	/	/	/	/
10	/	/	/	/	A	A	/	A	A
11	/	/	A	A	/	A	/	/	/
12	/	/	A	A	A	/	/	/	/
13	/	/	A	A	A	/	/	/	/
14	/	/	/	/	A	A	/	/	/
15	/	/	/	/	A	/	/	/	/
16	/	/	/	/	A	/	/	/	/
17	/	/	/	/	/	A	/	/	/
18	/	A	A	A	A	/	/	A	/
19	/	/	/	/	A	/	/	A	/
20	/	/	/	/	/	/	/	/	/
21	/	/	A	A	A	/	/	/	/
22	/	/	/	/	/	/	/	/	/
23	/	/	/	/	/	/	/	/	/
24	/	/	/	/	A	/	/	/	/
25	/	/	/	/	/	/	/	/	/

5

Roll No.	24	26	27	28	29	31	2	3	4	7	
	7	7	7	7	7	7	8	8	9	8	
	1	7	5	1	4	1	7	5	1	1	23
1	A	/	/	/	/	/	/	/	/	/	20
2	/	/	/	/	/	/	/	A	/	/	15
3	A	A	A	A	A	A	A	/	/	/	13
4	/	/	/	/	/	/	/	/	/	/	21
5	/	A	/	/	/	/	/	/	A	/	13
6	/	/	A	A	A	/	/	/	/	/	21
7	/	/	/	/	/	/	/	/	/	/	21
8	A	/	/	A	A	/	A	/	A	/	14
9	/	/	/	/	/	/	/	/	/	/	19
10	A	A	/	/	/	/	A	A	/	/	14
11	/	/	/	/	/	/	/	/	/	/	18
12	/	/	/	A	A	/	/	/	/	/	17
13	/	/	/	/	/	/	A	/	/	/	19
14	/	/	/	/	/	/	/	/	/	/	20
15	/	/	/	/	/	A	/	/	/	/	23
16	/	/	/	/	/	/	/	/	/	/	22
17	A	/	/	A	A	/	/	/	/	/	16
18	A	/	/	/	/	/	/	/	/	/	21
19	/	/	/	/	/	/	/	/	/	/	18
20	/	/	/	/	/	/	/	/	/	/	21
21	/	/	/	/	/	/	/	/	/	/	18
22	/	/	/	/	/	/	/	/	/	/	18
23	/	/	/	/	/	/	/	/	/	/	20
24	/	/	/	/	/	/	/	/	/	/	18
25	/	/	/	/	/	/	/	/	/	/	23

Roll No.	9	10	11	12	16	17	18	19	23	
	8	8	8	8	8	8	8	8	8	
	7	5	1	4	1	7	5	4	4	7
1	/	/	/	/	A	/	/	/	/	
2	/	/	/	/	A	/	/	/	/	
3	/	/	/	/	/	/	/	/	/	
4	A	A	/	/	A	/	/	/	/	
5	/	/	/	/	A	A	/	/	/	
6	/	/	/	/	/	/	/	/	/	
7	/	/	/	/	/	/	/	/	/	
8	/	/	/	/	A	/	/	/	/	
9	/	/	/	/	/	/	/	/	/	
10	/	/	/	/	A	A	/	A	/	A
11	/	/	A	A	/	A	/	/	/	
12	/	/	A	A	A	/	/	/	/	
13	/	/	A	A	A	/	/	/	/	
14	/	/	/	/	A	A	/	/	/	
15	/	/	/	/	A	/	/	/	/	
16	/	/	/	/	A	/	/	/	/	
17	/	/	/	/	/	A	/	/	/	
18	/	A	A	A	A	/	/	A	/	
19	/	/	/	/	A	/	/	A	/	
20	/	/	/	/	/	/	/	/	/	
21	/	/	A	A	A	/	/	/	/	
22	/	/	/	/	/	/	/	/	/	
23	/	/	/	/	/	/	/	/	/	
24	/	/	/	/	A	/	/	/	/	
25	/	/	/	/	/	/	/	/	/	

Roll No.	24	11	13	14	15	19	20	21	22	23	
	9	9	9	9	9	9	9	9	9	9	(18)
	5	1	7	5	1	1	7	5	1	1	
1	A	/	/	/	/	A	/	/	/	/	17
2	A	/	/	/	/	A	/	/	/	/	15
3	A	/	/	/	/	/	/	/	/	/	14
4	/	/	/	/	/	/	/	/	/	/	15
5	A	A	/	/	/	/	/	A	/	A	14
6	/	A	/	/	/	/	/	/	/	/	16
7	/	/	/	/	/	/	/	/	/	/	18
8	A	/	/	/	/	A	/	/	/	/	13
9	/	A	/	A	/	/	/	/	/	/	18
10	A	/	/	/	/	/	/	/	/	/	11
11	/	/	/	/	/	/	/	/	/	A	15
12	/	A	/	X	/	/	/	/	/	/	13
13	A	/	/	/	/	A	A	A	A	A	13
14	/	/	/	/	/	/	/	/	/	/	17
15	/	/	/	/	/	/	/	/	/	/	17
16	/	/	/	A	/	/	/	/	/	/	18
17	/	/	/	/	/	/	/	/	/	A	15
18	A	/	/	/	/	/	/	/	/	/	12
19	/	/	/	/	/	/	/	/	/	/	17
20	A	/	/	/	/	/	/	/	/	/	18
21	/	/	/	/	/	/	/	/	/	/	15
22	/	/	/	A	/	/	/	/	/	/	18
23	/	/	/	A	/	/	/	/	/	/	18
24	A	/	/	/	/	/	/	/	/	A	16
25	/	/	/	/	/	/	/	/	/	/	18

6

Roll No.	25	25	27	27	5	5	5	5	6	6	
	9	9	9	9	10	10	10	10	10	10	
	5	5	1	2	5	6	7	8	5	6	
1	/	/	A	A	/	/	/	/	/	/	
2	/	/	/	/	/	/	/	/	A	A	
3	/	/	/	/	/	/	/	/	/	/	
4	/	/	/	/	/	/	/	/	/	/	
5	/	/	A	A	/	/	/	/	/	/	
6	/	/	/	/	/	/	/	/	/	/	
7	/	/	/	/	/	/	/	/	/	/	
8	/	/	/	/	/	/	/	/	/	/	
9	/	/	/	/	/	/	/	/	/	/	
10	/	/	/	/	/	/	/	/	/	/	
11	/	/	/	/	/	/	/	/	A	A	
12	/	/	/	/	/	/	/	/	/	/	
13	/	/	/	/	A	A	A	A	/	/	
14	/	/	/	/	/	/	/	/	/	/	
15	/	/	/	/	/	/	/	/	/	/	
16	/	/	/	/	/	/	/	/	/	/	
17	/	/	/	/	A	A	A	A	A	A	
18	/	/	/	/	/	/	/	/	A	A	
19	/	/	/	/	/	/	/	/	/	/	
20	/	/	/	/	/	/	/	/	/	/	
21	/	/	/	/	/	/	/	/	/	/	
22	/	/	/	/	/	/	/	/	/	/	
23	/	/	/	/	/	/	/	/	/	/	
24	/	/	/	/	/	/	/	/	/	/	
25	/	/	/	/	/	/	/	/	/	/	

7

Students Academic Assessment Details

Assignment (Date)				Attendance				Test									
Roll No.	Announcement	1	2	3	1	2	3	4	WT 1	Assessment Test I	Makeup Test I	WT 2	Assessment Test II	Makeup Test II	Assessment Test III	Model	Overall Attendance %
	Submission								Date								
1		30	25		20	17	6			89			85			75	
2		30	25		15	15	6			79			69			58	
3		30	25		13	14	1			75			79			23	
4		30	30		21	15	1			85			91			82	
5		30	30		13	14	5			83			85			74	
6		30	30		21	16	6			81			86			88	
7		30	25		21	18	1			90			82			77	
8		30	25		14	13	6			76			66			77	
9		30	25		19	18	5			88			80			95	
10		30	25		14	11	1			66			64			59	
11		30	30		18	15	1			81			87			75	
12		30	30		17	13	6			78			85			83	
13		30	30		19	13	4			82			88			90	
14		30	30		20	17	1			87			82			83	
15		30	30		23	17	1			86			88			88	
16		30	30		22	18	1			94			91			81	
17		30	25		16	15	1			88			81			89	
18		30	25		21	12	1			77			81			69	
19		30	30		18	17	1			82			79			70	
20		30	30		21	18	1			83			74			93	
21		30	30		18	15	1			92			89			90	
22		30	30		18	18	6			87			89			88	
23		30	25		20	18	6			88			85			80	
24		30	25		18	16	1			82			73			36	
25		30	30		23	18	1			80			82			73	

Attendance Particulars												
Roll No.	Name	Date	21	22	23	24	25	26	27	28	29	30
		Month	6	6	6	6	6	6	7	7	7	7
		Period	17	18	1	7	5	1	1	5	7	6
26	MOHAMED YASAR ARDEATH.S		A	A	A	/	/	/	/	/	/	/
27	MUKILAN.A		/	/	A	/	/	/	/	/	A	/
28	MURUGAN.A		/	/	A	/	/	A	A	A	/	/
29	NARENDHAN.M		/	/	/	/	/	/	/	/	/	/
30	NAVANEETHA KRISHNAN.R		/	/	/	/	/	/	/	/	/	/
31	NIRMAL RAJ.K.		/	/	A	/	/	A	A	A	/	/
32	PARTHASARATHY.A		/	/	/	/	/	A	A	A	A	A
33	PRABEEN.M.		A	A	A	/	/	/	A	A	/	/
34	PRAVIN KUMAR.V		A	/	/	A	A	/	A	A	/	/
35	PUSHPANATHAN.K.		/	/	/	/	/	/	/	/	/	/
36	RAJAKUMARAN.R.A.		/	/	A	/	/	/	/	/	/	/
37	RAJAN.B		/	/	/	/	/	/	/	/	/	/
38	RAJESH.K.		/	/	A	A	/	/	A	A	A	/
39	RAJKUMAR.E		A	/	A	/	/	A	/	/	/	/
40	RAMAGOPAL.R.		/	/	A	/	/	A	A	A	/	/
41	RAMKUMAR.A.		A	A	/	/	/	A	A	A	/	/
42	RAMKUMAR.M.		/	/	/	/	/	A	/	/	A	/
43	SABARINATHAN.R.		/	/	A	/	/	/	/	/	/	/
44	SANTHOSH.S.		/	/	A	/	/	/	/	/	/	A
45	SARABA.S		A	/	/	/	/	/	A	A	/	/
46	SATHISH.T		A	A	A	/	/	A	/	A	/	/
47	SATHISH KUMAR.G		A	A	A	/	/	/	/	/	/	/
48	SATHISH KUMAR.R.		/	/	A	/	/	/	/	/	/	/
49	MANIKANDAN.R.		/	/	A	/	/	/	/	/	/	/
50	MOHAMED IMRAN.A		A	A	A	/	/	A	/	/	A	/

10

Roll No.	7	10	12	13	14	17	19	20	21	22
	7	7	7	7	7	7	7	7	7	7
	1	1	7	5	1	1	7	5	1	4
26	/	A	/	/	/	A	/	/	/	/
27	/	/	/	/	/	/	/	/	/	/
28	/	/	/	/	/	A	/	/	/	/
29	/	A	/	/	/	/	/	/	/	/
30	/	/	/	/	/	/	/	/	/	/
31	/	/	/	/	/	/	/	/	/	/
32	/	/	/	/	/	/	/	/	/	/
33	/	/	/	/	/	/	/	/	/	/
34	/	/	/	/	/	A	/	/	/	/
35	/	/	/	/	/	/	/	/	/	/
36	/	/	/	/	/	A	/	/	/	/
37	/	/	/	/	/	/	/	/	/	/
38	/	/	/	/	/	A	/	/	/	/
39	/	/	A	/	/	/	A	/	/	/
40	/	/	/	/	/	A	/	/	/	/
41	/	/	/	/	/	A	/	/	/	/
42	/	/	/	/	/	/	/	/	A	A
43	/	/	/	/	/	A	/	/	/	/
44	A	/	/	/	/	/	/	/	/	/
45	/	/	/	/	/	/	A	/	/	/
46	/	/	/	/	/	/	/	/	/	/
47	A	/	/	/	/	/	/	/	/	/
48	/	/	/	/	/	/	A	/	/	/
49	/	/	/	/	/	A	/	A	A	A
50	/	/	/	/	/	/	/	/	/	/

11

Roll No.	24	26	27	28	29	31	2	3	4	7	
	7	7	7	7	7	7	8	8	8	8	
	1	7	5	1	4	1	7	5	1	1	23
26	/	/	/	/	/	A	A	/	/	/	18
27	/	/	/	/	/	/	/	/	/	/	21
28	A	/	/	/	/	/	A	A	/	/	17
29	A	/	/	/	/	/	/	/	/	/	21
30	X	/	/	/	/	/	/	/	/	/	23
31	A	/	/	/	/	/	/	/	A	/	18
32	/	/	/	/	/	/	/	/	/	/	18
33	A	/	/	/	/	/	A	/	/	A	17
34	/	/	/	/	/	A	/	/	A	/	17
35	/	/	/	/	/	/	/	/	/	/	23
36	/	/	/	A	A	A	/	/	/	A	22
37	/	/	/	/	/	/	/	/	/	/	23
38	/	/	/	/	/	/	/	/	/	/	16
39	/	/	A	/	/	/	/	/	/	/	16
40	A	/	/	A	A	/	A	/	/	A	17
41	A	A	/	/	/	/	/	A	A	/	15
42	/	/	/	/	/	A	/	/	/	/	19
43	/	/	/	/	/	/	/	/	/	/	20
44	/	/	/	/	/	/	/	/	/	/	20
45	A	/	/	/	/	/	A	/	/	/	17
46	/	/	/	/	/	/	/	/	A	/	18
47	A	/	/	/	/	/	/	/	/	A	18
48	/	/	/	/	/	/	/	/	/	/	21
49	A	A	A	A	A	A	A	/	/	/	14
50	/	A	/	/	/	/	A	/	/	/	17

12

Roll No.	9	10	11	11	12	16	17	18	19	3	
	8	8	8	8	8	8	8	8	8	8	
	7	5	1	4	1	7	5	4	4	7	
26	/	/	/	/	/	/	/	/	/	/	13
27	/	/	A	A	/	/	/	/	/	/	29
28	/	A	/	/	/	/	/	/	/	/	32
29	/	A	A	A	A	/	/	/	/	/	27
30	/	/	/	/	A	/	/	/	/	/	30
31	/	A	/	/	/	A	/	/	/	/	35
32	/	/	/	/	/	/	/	/	A	/	28
33	/	A	/	/	/	A	/	/	A	/	31
34	/	/	/	/	/	A	/	A	/	/	26
35	/	/	/	/	/	/	/	/	/	/	27
36	/	A	/	/	A	/	/	/	A	/	36
37	/	/	/	/	/	/	/	/	/	/	29
38	/	/	/	/	A	/	/	/	/	A	36
39	/	/	/	/	/	/	/	/	/	/	28
40	/	A	/	/	/	A	/	/	/	/	29
41	/	A	/	/	A	A	/	/	/	A	24
42	/	/	/	/	/	/	/	/	/	/	23
43	/	/	/	/	/	/	/	/	/	/	31
44	/	/	/	/	/	/	/	/	/	/	33
45	/	/	/	/	A	A	/	/	/	/	33
46	/	A	/	/	A	A	/	/	/	/	27
47	/	A	/	/	/	/	/	/	/	A	29
48	/	/	/	/	/	/	/	/	/	/	34
49	/	/	/	/	/	/	/	/	/	/	23
50	/	/	/	/	A	/	/	/	/	/	28

13

Roll No.	24	11	13	14	15	18	20	21	22	23	(18)
	8	9	9	9	9	9	9	9	9	9	
	5	1	7	5	1	1	7	5	1	1	
26	-	A	1	/	/	/	/	/	/	A	16
27	A	/	/	/	/	/	/	/	/	/	15
28	/	/	/	/	/	/	/	/	/	/	15
29	/	/	/	/	/	/	/	/	/	/	14
30	/	/	/	/	/	/	/	/	/	/	17
31	/	/	/	A	/	/	/	/	/	A	15
32	/	/	/	/	/	/	/	/	/	/	17
33	A	/	/	/	/	/	/	/	/	/	13
34	A	/	/	/	/	A	/	/	/	/	14
35	A	/	/	/	/	/	/	/	/	/	17
36	A	A	A	/	/	/	A	/	/	/	11
37	/	/	/	/	/	/	/	/	/	/	18
38	/	/	/	/	/	/	/	/	/	A	16
39	/	/	/	/	/	/	/	/	/	/	18
40	A	/	/	A	/	/	/	/	/	/	12
41	A	A	A	A	A	/	/	/	/	A	11
42	A	/	/	/	/	/	/	/	/	/	17
43	/	/	/	/	/	/	/	/	/	/	18
44	/	/	/	/	/	/	/	/	/	/	18
45	A	A	/	/	/	/	/	/	/	/	14
46	/	/	/	/	/	/	/	/	/	/	14
47	A	/	/	/	/	/	/	/	/	/	15
48	/	/	/	/	/	/	/	/	/	/	18
49	/	/	/	/	/	/	/	/	/	A	14
50	A	/	/	/	/	/	/	/	/	A	15

14

Roll No.	25	25	27	27	5	5	5	5	6	6	(1)
	9	9	9	9	10	10	10	10	10	10	
	5	6	1	2	5	6	7	8	8	6	
26	/	/	/	/	/	/	/	/	/	/	6
27	/	/	/	/	/	/	/	/	/	/	7
28	/	/	/	/	/	/	/	/	/	/	7
29	/	/	/	/	/	/	/	/	/	/	7
30	/	/	/	/	/	/	/	/	/	/	7
31	A	A	/	/	/	/	/	/	/	/	6
32	/	/	/	/	/	/	/	/	/	/	7
33	/	/	/	/	/	/	/	/	/	/	7
34	/	/	/	/	/	/	/	/	/	/	6
35	/	/	/	/	/	/	/	/	/	/	7
36	/	/	A	A	/	/	/	/	/	/	4
37	/	/	/	/	A	A	A	A	/	/	7
38	/	/	/	/	/	/	/	/	/	/	7
39	/	/	/	/	A	A	A	A	/	/	7
40	/	/	/	/	/	/	/	/	/	/	6
41	/	/	/	/	/	/	/	/	/	/	3
42	/	/	/	/	/	/	/	/	/	/	7
43	/	/	/	/	/	/	/	/	/	/	7
44	/	/	/	/	/	/	/	/	/	/	7
45	/	/	/	/	/	/	/	/	/	/	6
46	A	A	/	/	/	/	/	/	/	/	7
47	/	/	/	/	/	/	/	/	/	/	7
48	/	/	/	/	/	/	/	/	/	/	7
49	/	/	/	/	/	/	/	/	/	/	7
50	/	/	/	/	A	A	A	A	/	/	7

15

nts Academic Assessment Details

nts Academic Assignment Details																		
Roll No.	Assignment (Date)				Attendance				Test									
	Announcement	1	2	3	1	2	3	4	WT 1	Assessment Test I	Mackup Test I	WT 2	Assessment Test II	Mackup Test II	Assessment Test III	Model	Overall Attendance %	
																		Submission
		3/7/17	1/9/17		23/7	28/7	28/8											
		21/8/17	17/9/17		27/7	24/8	21/9			19/8/17			9/9/17				12/10	
		30	30		18	16	6			81			91				83	
		30	30		21	15	7			92			85				73	
		30	25		17	15	7			82			86				79	
		30	30		21	14	7			83			90				79	
		30	30		23	17	7			83			81				84	
		30	25		18	15	6			86			85				90	
		30	30		18	17	7			85			86				84	
		30	30		17	13	7			85			85				76	
		30	30		12	14	6			77			82				75	
		30	30		23	17	7			97			88				87	
		30	30		22	11	4			87			85				92	
		30	30		23	18	7			96			89				88	
		30	25		16	16	7			66			82				79	
		30	30		16	18	7			89			93				84	
		30	25		17	12	6			82			72				84	
		30	25		15	11	3			61			20				74	
		30	25		19	17	7			89			85				55	
		30	25		20	18	7			90			86				86	
		30	30		20	18	7			83			81				57	
		30	25		17	14	6			85			82				83	
		30	25		18	14	7			79			82				76	
		30	25		18	15	7			87			82				88	
		30	25		21	18	7			97			88				84	
		30	25		14	14	7			89			91				93	
		30	25		17	15	7			86			80				78	

[illegible][illegible]

19

Roll No.	24	26	27	28	29	31	2	3	4	7	
	7	7	7	7	7	7	8	8	8	8	
	1	7	5	1	4	7	5	1	1		23
51	/	/	/	A	A	/	/	/	/	/	19
52	A	/	/	/	/	/	/	/	/	/	21
53	/	/	/	/	/	/	/	/	/	/	20
54	/	/	/	/	/	/	/	/	/	/	21
55	/	/	/	/	/	/	/	/	/	/	19
56	/	/	/	/	/	/	/	A	A	/	19
57	/	/	/	A	A	/	/	/	/	/	21
58	/	/	/	/	/	/	/	/	/	/	20
59	A	/	/	/	/	/	/	/	/	A	20
60	/	/	/	/	/	/	/	/	/	/	18
61											
62											
63											
64											
65											
66											
67											
68											
69											
70											
71											
72											
73											
74											
75											
Pr	43	54	56	50	50	50	55	52	52	54	
Ab	17	6	4	10	10	10	5	8	8	6	
Sig.	12	0	0	0	0	0	0	0	0	0	

20

13

30

31

33

33

32

30

30

33

32

31

Roll No.	9	10	11	11	12	16	17	18	19	23	
	8	8	8	8	8	8	8	8	8	8	
	7	5	1	4	1	7	5	4	4	7	
51	/	/	/	/	A	/	/	/	/	/	
52	/	/	/	/	A	A	/	/	/	/	
53	/	/	/	/	/	/	/	/	/	/	
54	/	A	/	/	A	/	/	/	/	/	
55	/	/	/	/	/	/	/	/	/	/	
56	/	/	/	/	/	/	/	/	/	/	
57	/	/	A	/	A	/	/	/	/	/	
58	/	/	/	/	/	/	/	/	/	/	
59	/	/	/	/	/	/	/	/	/	/	
60	/	/	/	/	/	/	/	/	/	/	
61											
62											
63											
64											
65											
66											
67											
68											
69											
70											
71											
72											
73											
74											
75											
Pr	58	48	10	44	40	45	60	56	57	56	
Ab	2	12	14	16	20	15	17	4	3	4	
Sig.	0	0	0	0	0	0	0	0	0	0	

21

Students Academic Assessment Details

Assignment (Date)					Attendance				Test									
Roll No.	Announcement	1	2	3	1	2	3	4	WT 1	Assessment Test I	Mockup Test I	WT 2	Assessment Test II	Mockup Test II	Assessment Test III	Model	Overall Attendance %	
	Submission								Date									
51		30	30		19	15	7			88			90			79		
52		30	25		21	15	6			79			81			47		
53		30	30		20	18	7			90			87			73		
54		30	30		21	16	7			81			92			77		
55		30	25		19	14	6			78			85			77		
56		30	25		19	15	7			82			73			59		
57		30	30		21	15	7			91			87			79		
58		30	30		20	18	7			91			87			73		
59		30	25		20	16	7			89			85			75		
60		30	25		18	18	7			82			80			65		
61																		
62																		
63																		
64																		
65																		
66																		
67																		
68																		
69																		
70																		
71																		
72																		
73																		
No. of students	Passed									57			57			57		
	Pass %									95			96			95		
	Between 60 to 80									50			14			30		
	Above 80									10			43			22		



DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2017 - 2018 (EVEN SEMESTER)
MY CREDIT COURSE ON NON DESTRUCTIVE TESTING
REPORT ON MCC

YEAR / SEM / SECTION: IV / VIII / A & B

BATCH: 2014 - 2018

1. **No.of hours planned (Theory/Lab):** Theory:35/ Hands on session:15
2. **No.of hours handled(Theory/Lab):** Theory: 40 / Hands on session: 18
3. **Outcome of the course:**

Student will be able to:

- Outline the concept of various non destructive testing techniques.
- Perform liquid penetrate and magnetic particle inspection.
- Explain the concepts and implementation of ultra sonic and radiographic testing technique.

4. Consolidated feedback:

Excellent	Good	Average	Satisfactory
36	25	0	0

5. Assessment performance:

Test	Total No. of students	Appeared	Passed	Pass percentage
Evaluation Test-I	Sec A: 24 Sec B: 37	Sec A: 23 Sec B: 37	Sec A: 23 Sec B: 37	Sec A: 100% Sec B:100%
Evaluation Test-II	Sec A: 24 Sec B: 37	Sec A: 23 Sec B: 36	Sec A: 23 Sec B: 36	Sec A: 100% Sec B:100%

6. Work shop status:

Date	Total No.of students	Appeared	Certificate status	No of certificates issued
1.2.18	61	59	Issued	59


Course Coordinator


HOD/MECH



KINGS
COLLEGE OF ENGINEERING

NAAC Accredited Institution, Recognized under 2(f) and 12(B) Act of UGC,
Approved by AICTE, New Delhi | Affiliated to Anna University Chennai |
Punalkulam, Near Thanjavur, Pudukkottai Dt - 613 303

This is to certify that

*Mr/Ms. BAIRAVAMOORTHY. A of IV Mech-A successfully
Completed the My Credit Course on “Non Destructive Testing” Organized
by Department of Mechanical Engineering in the academic year of
2017-2018.*

Dr. T. Pushparaj
HoD/MECH

Dr. J. Arputha Vijaya Selvi
PRINCIPAL



KINGS
COLLEGE OF ENGINEERING

NAAC Accredited Institution, Recognized under 2(f) and 12(B) Act of UGC,
Approved by AICTE, New Delhi | Affiliated to Anna University Chennai |
Punalkulam, Near Thanjavur, Pudukkottai Dt - 613 303

This is to certify that

*Mr/Ms. MAHATHEER MANSOOR. Mof IV Mech-B successfully
Completed the My Credit Course on “Non Destructive Testing” Organized
by Department of Mechanical Engineering in the academic year of
2017-2018.*

T. Pushparaj

Dr. T. Pushparaj
HoD/MECH

J. Arputha Vijaya Selvi

Dr.J. Arputha Vijaya Selvi
PRINCIPAL



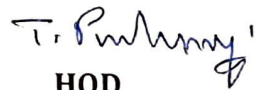
DEPARTMENT OF MECHANICAL ENGINEERING

MY CREDIT COURSE FEEDBACK ANALYSIS

ACADEMIC YEAR 2017 – 2018 (EVEN SEMESTER)

S.No	ATTRIBUTE	EXCELLENT	GOOD	AVERAGE	SATISFACTORY
1	How do you rate your learning materials provided in MCC?	32	66	Nil	Nil
2	How do you rate the MCC?	35	63	Nil	Nil
3	How do you rate the teaching approaches in MCC?	36	62	Nil	Nil
4	How do you rate the encouragements towards the present employment skills?	38	60	Nil	Nil
5	Staff Student Interaction	42	56	Nil	Nil
6	Overall assessment	36	25	Nil	Nil


INCHARGE


HOD



A REPORT

ON

“SWAYAM/NPTEL ONLINE COURSES”

FOR THE ACADEMIC YEAR 2020-2021 EVEN SEMESTER.



Organized by

Department of Electronics and Communication Engineering

KINGS COLLEGE OF ENGINEERING, PUNALKULAM

A NAAC Accredited Institution

Recognized under 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Phone : 04362-282474, 282395

Website : www.kingsindia.net

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR (2020-2021) EVEN SEM

Swayam / NPTEL online course

CIRCULAR

Date: 18.01.2021

This is to inform you that all the second year, third year and final year students of ECE have to enroll in the swayam/ NPTEL online course for this 2020-2021 even semester. The Swayam title and the schedule were attached below. All the students are requested to attend the online course compulsorily and at the end of the course all should submit their course progress to swayam incharge.

Note:

- All the Final year students have to apply for Swayam / NPTEL online exam also. Since this Swayam course was considered as MCC.
- All the second and third year students can also apply for the Swayam / NPTEL online exam based on your interest.

S.No	Class	Swayam Course Title	Course Starting & Ending Date	Duration
1.	II ECE	Electronic Waste Management Issues and Challenges	Course Start Date: 27-01-2021 Course End Date: 21-02-2021	4 Weeks
2.	III ECE	Awareness Program on Solar Water Pumping System	Course Start Date: 15-02-2021 Course End Date: 30-04-2021	4 Weeks
3.	IV ECE	Smart Materials and Intelligent System Design	Course Start Date: 15-02-2021 Course End Date: 12-03-2021	4 Weeks
4.		Awareness Program on Solar Water Pumping System	Course Start Date: 15-02-2021 Course End Date: 30-04-2021	4 Weeks

Department IQAC Member

HOD/ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR (2020-2021) EVEN SEM

Swayam / NPTEL online course

CIRCULAR

Date: 18.01.2021

As per our academic schedule, My Credit Course will be conducted during the eighth semester for final year students. For this Academic year 2020-2021 it was planned to conduct SWAYAM / NPTEL course as My credit course. All the final year students of ECE are requested to enroll the courses given below through SWAYAM portal. All the students are requested to complete the course and submit the course progress for the 2 courses and also they have to attend the exam for any one course as mandatory.

S.No	Class	Swayam Course Title	Course Starting & Ending Date	Duration
1.	IV ECE	Smart Materials and Intelligent System Design	Course Start Date: 15-02-2021 Course End Date: 12-03-2021	4 Weeks
2.		Awareness Program on Solar Water Pumping System	Course Start Date: 15-02-2021 Course End Date: 30-04-2021	4 Weeks

Department IQAC Member

HOD/ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2020-2021 (EVEN SEMESTER)

A Glimpse on the Background of SWAYAM / NPTEL Course:

SWAYAM is a programme initiated by Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remain untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy.

NPTEL

National Programme on Technology Enhanced Learning (**NPTEL**) is a project of MHRD initiated by seven Indian Institutes of Technology (**Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee**) along with the Indian Institute of Science, Bangalore in 2003, to provide quality education to anyone interested in learning from the IITs. The main goal was to create web and video courses in all major branches of engineering and physical sciences at the undergraduate and postgraduate levels and management courses at the postgraduate level.

The courses hosted on SWAYAM are in 4 quadrants – (1) video lecture, (2) specially prepared reading material that can be downloaded/printed (3) self-assessment tests through tests and quizzes and (4) an online discussion forum for clearing the doubts.

Steps have been taken to enrich the learning experience by using audio-video and multi-media and state of the art pedagogy / technology.

In order to ensure that best quality content is produced and delivered, nine National Coordinators have been appointed. They are:

1. **AICTE** (All India Council for Technical Education) for self-paced and international courses
2. **NPTEL** (National Programme on Technology Enhanced Learning) for Engineering
3. **UGC** (University Grants Commission) for non technical post-graduation education
4. **CEC** (Consortium for Educational Communication) for under-graduate education
5. **NCERT** (National Council of Educational Research and Training) for school education
6. **NIOS** (National Institute of Open Schooling) for school education

7. **IGNOU** (Indira Gandhi National Open University) for out-of-school students
8. **IIMB** (Indian Institute of Management, Bangalore) for management studies
9. **NITTTR** (National Institute of Technical Teachers Training and Research) for Teacher Training programme

NPTEL Online Certification Courses

Since 2013, through an online portal, 4-, 8-, or 12-week online courses, typically on topics relevant to students in all years of higher education along with basic core courses in sciences and humanities with exposure to relevant tools and technologies, are being offered. The enrolment to and learning from these courses involves no cost. An in-person, proctored certification exam (optional) will be conducted at Rs. 1000/- per course and a certificate is provided through the participating institutions and industry, when applicable.

OVERVIEW OF MY CREDIT COURSE:

In KCE, Department of Electronics and Communication Engineering, has organized my credit course for the Final year students in the final semester. This course was planned to conduct as Swayam /NPTEL online course. The main objective for selecting this Swayam / NPTEL online course was to give the awareness about the best teaching learning resources to the students and also to have more idea about the tools used for the teaching learning methodology.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we organized this online course. Mrs. N.Mangaiyarkarasi, HOD/ECE gave the instructions regarding this online course. Mrs.D.Vennila, AP/ECE was the online course coordinator.

ABOUT THE COURSE SELECTION:

The Swayam / NPTEL online course list was taken from the swayam portal, and it was circulated to the students. Then they were asked to prefer any one course with four or six weeks duration.

ABOUT THE REGISTRATION PROCESS:

The instructions regarding the online course were given to the students. The login details and the registration process were explained to the students through practical session by the course coordinators. All the students were instructed to register for the course before the due date.

Registration Link: <https://swayam.gov.in>.

CRITERIA TO GET A CERTIFICATE:

- Average assignment score = 25% of average of best 3 assignments out of the total 4 assignments given in the course.
- Exam score = 75% of the proctored certification exam score out of 100
- Final score = Average assignment score + Exam score



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2020-2021 (EVEN SEMESTER)

ABOUT THE SWAYAM / NPTEL ONLINE COURSE:

As per the Instruction given by our HOD, it was planned to conduct swayam / NPTEL online course for **second year ECE** students in 2020-2021 Even semester.

The Swayam / NPTEL online course list was taken from the swayam portal, and it was circulated to the students. Then they were asked to prefer any one course with four or six weeks duration.

Among the 42 students,

- **37** students have preferred the course named “**Electronic Waste Management- Issues and Challenges**” with 4 weeks duration.

Course Start Date: **27th January 2021** and the Course End Date: **21st February 2021**

- **5** students have preferred the course named “**Awareness Program on Solar Water Pumping System**” with 4 weeks duration.

Course Start Date: **15th February 2021** and the Course End Date: **30th April 2021**.

1. COURSE NAME: ELECTRONIC WASTE MANAGEMENT- ISSUES AND CHALLENGES

This course was handled by **Professor Brajesh Kumar Dubey** from Indian Institute of Technology (IIT) Kharagpur, India.

The course starting date was 27th January 2021.

The course ending date was 21st February 2021.

The duration of this course was 4 weeks.

The Course layout was scheduled as follows.

Week 1: Overview of the course

- ✓ E-Waste Overview
- ✓ E-Waste management Overview

Week 2: Exposure pathway of pollutants emitted from Recycling of E-Waste

- ✓ Environment and public health issues
- ✓ E-Waste health Risk Assessment

Week 3: E-Waste Management Rules of India (2011 and 2016 Rules)

- ✓ Recovery of materials from E-Waste
- ✓ Metal Recovery process
- ✓ Recovery of metals from E-waste

Week 4: E-waste Management: Case Studies and Unique Initiatives from around the World

- ✓ Electronics and LCA
- ✓ LCA Applications for Electronics

In this course, nearly 5 assessments were given. These assessments scores were considered for the final exam.

2. COURSE NAME: AWARENESS PROGRAM ON SOLAR WATER PUMPING SYSTEM

This course was handled by Dr. Mukesh Kumar, from Indira Gandhi National Open University, India.

The course starting date was **15th February 2021**.

The course ending date was **30th April 2021**.

The duration of this course was 4 weeks.

The Course layout was scheduled as follows.

Week 1:

Module 1:

- ✓ Solar Energy and its Application
- ✓ Solar Energy and Irrigation Method

Week 2:

Module 2:

- ✓ Solar Water Pump and its components
- ✓ Components of solar pump and PV Module

Week 3:

Module 3:

- ✓ Operation Maintenance and Safety

Week 4:

- ✓ Tests

ASSIGNMENT SCORES:

COURSE NAME : ELECTRONIC WASTE MANAGEMENT ISSUES AND CHALLENGES
CLASS : II ECE

Duration: 4 Weeks
BATCH: 2019-2023

Total No. of students: 37

SI. NO.	ROLL NO.	REGISTER NUMBER	NAME OF THE STUDENT	Assign-0	Assign-1	Assign-2	Assign-3	Assign-4
1.	01	821119106001	ABIMANEU S	100	100	-	67	-
2.	03	821119106004	BLESSON MANUEL J	100	100	67	67	80
3.	04	821119106005	DHARMADURAI A	-	100	67	67	80
4.	05	821119106006	DHARSHINI C	100	100	67	73	80
5.	06	821119106007	DURGA SRI R	100	100	67	67	80
6.	07	821119106008	GANGA L	100	100	60	67	80
7.	08	821119106009	GANGA R	100	100	47	73	80
8.	09	821119106010	GAYATHRI K	100	100	100	80	73
9.	10	821119106011	GAYATHRI S	100	100	67	73	80
10.	11	821119106012	ISHWARYA K	100	100	67	87	80
11.	12	821119106013	JAYAKUMAR A	100	93	67	73	73
12.	13	821119106015	JOTHIKA R	100	100	100	73	80
13.	14	821119106016	KABILAN R	100	100	67	67	-
14.	15	821119106017	KABISHENA P	93	100	67	80	73
15.	18	821119106021	KARTHIKA DEVI M	100	100	67	93	80
16.	19	821119106022	KIRUBADHARSHINI S	100	100	67	67	80
17.	20	821119106023	KRISHNADEVI G	100	100	67	-	-
18.	21	821119106024	LOGESHWARAN P	100	100	67	73	80
19.	22	821119106025	MADHUMITHA G	87	93	47	73	-
20.	23	821119106026	MAHESWARI V	100	100	100	-	80
21.	24	821119106027	MATHIVANAN K	100	100	67	60	73
22.	25	821119106028	NITHITHA U	100	93	67	67	67
23.	27	821119106030	PAVITHRA P	100	100	67	53	73
24.	28	821119106031	PRAKASH A	100	93	67	73	80
25.	29	821119106032	PRETHIYA B	100	100	67	-	80
26.	30	821119106033	PRIYANKA K	100	100	87	93	80
27.	31	821119106034	RAMANA BHARATHI S	100	100	67	73	80
28.	32	821119106035	RENUKA K	100	100	67	73	80

29.	33	821119106036	RUTHRA R	100	93	67	73	73
30.	35	821119106039	SARASWATHI K	100	93	67	67	80
31.	36	821119106040	SATHYA G	100	100	67	-	80
32.	37	821119106042	SHATHANA B	100	100	67	93	80
33.	38	821119106043	SOUNDHARYA R	100	100	67	67	80
34.	39	821119106044	SURIYA C	100	100	60	73	80
35.	40	821119106045	SUSIKUMAR T	100	100	60	87	67
36.	41	821119106046	SWETHAA S M	100	100	87	93	80
	42	821119106047	THAVAMANI P	LONG ABSENT				
37.	43	821119106048	VAISHNAVI G	100	100	67	73	67

ASSIGNMENT SCORES:

COURSE NAME : AWARENESS PROGRAM ON SOLAR WATER PUMPING SYSTEM
CLASS : II ECE

Duration: 4 Weeks
BATCH: 2019-2023

Total No. of students: 05

Roll No.	Roll No.	Register Number	Name of the student	Assignment-1	Assignment -2	Assignment -3
1.	02	821119106002	AGALYA P	90	80	80
2.	16	821119106019	KARIKALAN G	80	80	70
3.	17	821119106020	KARTHICK N	90	80	80
4.	26	821119106029	NIVETHITHA S	90	80	70
5.	34	821119106037	SABARINATHAN S	80	80	70

Outcome:

- ✓ Out of 43 students, 37 have enrolled in “**Electronic Waste Management - Issues and Challenges**”.
- ✓ 05 members have enrolled in “**Awareness program on Solar Water pumping system**”.
- ✓ 01 student was long absent.
- ✓ All the 42 students have completed their course successfully and they have submitted their course progress.
- ✓ 3 students have applied for the final exam and they have attended the exam on 21-03-2021 and the Result was published on 20-03-2021.
- ✓ Progress of each student was attached.
- ✓ Sample certificates are enclosed.

SWAYAM ONLINE COURSE EXAM REPORT FOR II ECE STUDENTS

We are happy to inform you that, our second year ECE students have attended the SWAYAM online course during the academic year 2020-2021 Even semester. All the 42 students have attended the course under SWAYAM/NPTEL.

The course details are as follows:

Among the 42 students,

- **36** students have preferred the course named “**Electronic Waste Management- Issues and Challenges**” with 4 weeks duration.

Course Start Date: **27th January 2021** and the Course End Date: **21st February 2021**

- **6** students have preferred the course named “**Awareness Program on Solar Water Pumping System**” with 4 weeks duration.

Course Start Date: **15th February 2021** and the Course End Date: **30th April 2021**.

The **SWAYAM/NPTEL** exam for “**Electronic Waste Management- Issues and Challenges**” was conducted on 21st March 2021. Three of the students from **II ECE** have applied and attended the Exam. The final score and course certificate for **SWAYAM/NPTEL** Exam- was published on **29-03-2021**. The details and the sample certificates are attached below.

S.NO	NAME OF THE STUDENTS	NAME OF THE COURSE	FINAL SCORE	REMARKS
1.	Ms.S.M.Swethaa	Electronic Waste Management-Issues and Challenges	71	Received ELITE Certificate
2.	Ms.K.Priyanka	Electronic Waste Management-Issues and Challenges	54	Received Certificate
3.	Ms.M.Karthika Devi	Electronic Waste Management-Issues and Challenges	54	Received Certificate

SWAYAM- NPTEL - Certificates

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noc/>

Roll No: NPTEL21CE03522400424
 To
 SWETHAA SM
 S/1 A, THIRAKARAJAR COLONY
 THIRUVARUR
 THIRUVARUR
 TAMIL NADU - 610094
 PH. NO. 9381530542

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:1
An additional 1 credit may be awarded if the University deems fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
SWETHAA SM
for successfully completing the course

Electronic Waste Management - Issues and Challenges

with a consolidated score of **71 %**

Online Assignments	23.33/25	Proctored Exam	47.99/75
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Total number of candidates certified in this course: 1107

Prof. G.P. Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Jan-Feb 2021
(4 week course)

Prof. Dattajai Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Roll No: NPTEL21CE03522400424 To validate and check scores: <https://npTEL.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noc/>

Roll No: NPTEL21CE03522400328
 To
 PRIYANKA K
 FLAT NO 21/1/5 NGDO COLONY SUPRAMANIPURAM
 WACHUPADI
 PUDUCHERRY
 PUDUCHERRY
 TAMIL NADU - 605001
 PH. NO. 9360615401

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:1
An additional 1 credit may be awarded if the University deems fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
PRIYANKA K
for successfully completing the course

Electronic Waste Management - Issues and Challenges

with a consolidated score of **54 %**

Online Assignments	23.33/25	Proctored Exam	31.01/75
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Total number of candidates certified in this course: 1107

Prof. G.P. Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Jan-Feb 2021
(4 week course)

Prof. Dattajai Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Roll No: NPTEL21CE03522400328 To validate and check scores: <https://npTEL.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noc/>

Roll No: NPTEL21CE03522400328
 To
 PRIYANKA K
 FLAT NO 21/1/5 NGDO COLONY SUPRAMANIPURAM
 WACHUPADI
 PUDUCHERRY
 PUDUCHERRY
 TAMIL NADU - 605001
 PH. NO. 9360615401

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:1
An additional 1 credit may be awarded if the University deems fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
KARTHIKADEVI M
for successfully completing the course

Electronic Waste Management - Issues and Challenges

with a consolidated score of **54 %**

Online Assignments	23.33/25	Proctored Exam	31.01/75
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Total number of candidates certified in this course: 1107

Prof. G.P. Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Jan-Feb 2021
(4 week course)

Prof. Dattajai Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Roll No: NPTEL21CE03522400328 To validate and check scores: <https://npTEL.ac.in/noc/>

OUTCOME:

Among the 42 students 3 of them have attended the exam and received the certificates. Remaining students have successfully completed the course, but not applied for the Exam.



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2020-2021 (EVEN SEMESTER)**

ABOUT THE SWAYAM / NPTEL ONLINE COURSE:

As per the Instruction given by our HOD, it was planned to conduct swayam / NPTEL online course for **Third year ECE** students in 2020-2021 Even semester.

The Swayam / NPTEL online course list was taken from the swayam portal, and it was circulated to the students. Then they were asked to prefer any one course with four or six weeks duration.

All the 39 students have preferred the course named “**Awareness Program on Solar Water Pumping System**” with 4 weeks duration.

Course Start Date: **15th February 2021** and the Course End Date: **30th April 2021**.

1. COURSE NAME: AWARENESS PROGRAM ON SOLAR WATER PUMPING SYSTEM

This course was handled by Dr. Mukesh Kumar, from Indira Gandhi National Open University, India.

The course starting date was **15th February 2021**.

The course ending date was **30th April 2021**.

The duration of this course was 4 weeks.

The Course layout was scheduled as follows.

Week 1:

Module 1:

- ✓ Solar Energy and its Application
- ✓ Solar Energy and Irrigation Method

Week 2:

Module 2:

- ✓ Solar Water Pump and its components
- ✓ Components of solar pump and PV Module

Week 3:

Module 3:

- ✓ Operation Maintenance and Safety

Week 4:

- ✓ Tests

ASSIGNMENT SCORES**COURSE NAME : AWARENESS PROGRAM ON SOLAR WATER PUMPING SYSTEM****Duration: 4 Weeks****CLASS: III ECE****BATCH: 2018-2022**









Roll No.	Register Number	Name of the student	Assignment-1	Assignment -2	Assignment -3
01	821118106001	AARTHI M	90	90	80
02	821118106002	AASHA A	90	90	80
03	821118106004	ABISHEIK P	80	60	80
04	821118106005	ANANTH ELA	90	90	70
05	821118106006	ANANTHAVALLI M	90	90	80
06	821118106007	ANITHA J	90	90	80
07	821118106008	ANIZ R K	80	80	70
08	821118106009	APARNAA S	90	90	80
09	821118106010	ARUNKUMAR R	80	80	70
10	821118106011	ANURAJ R	90	90	80
11	821118106014	DHIVYAKALKI M	80	80	80
12	821118106015	DIVAGAR K	90	90	80
13	821118106016	DURGA DEVI S	70	60	60
14	821118106017	GANESH B	90	90	70
15	821118106020	KAWYA A	90	90	80
16	821118106022	KEERTHIKA M	90	90	80
17	821118106023	KIRUTHIKA B	90	90	80
18	821118106024	LATCHAYASRI G	90	90	80
19	821118106026	MOUNISH RAJIAH D	90	90	90
20	821118106027	NAGESWARI R	90	90	70
21	821118106028	NIVETHA C	90	90	80
22	821118106029	NIVETHA T	90	90	70
23	821118106030	PRABHU G	90	90	80
24	821118106033	PRIYADHARSHINI S	90	90	70
25	821118106034	RAMYA K	90	90	70
26	821118106036	SANTHIYA S	90	90	80
27	821118106038	SARIKA A	90	90	70
28	821118106039	SHEELA T	90	90	80
29	821118106040	SHOBIGA P	90	80	70
30	821118106041	SRIMATHI C	70	80	80
31	821118106042	SURIYA R	80	80	70
32	821118106043	SUSHMA D	90	90	80













33	821118106044	THAMILSELVAN B	90	90	80
34	821118106045	THIRUMURUGAN S	90	90	70
35	821118106046	VAISHNAVI P V	90	90	80
36	821118106048	VINOTHA M	90	90	80
37	821118106049	VINOTHINI G	90	90	80
38	821118106050	VISHWABHARATHY V	90	90	80
39	821118106901	ARUNKUMAR K	-	-	-

Outcome:

- ✓ All the 39 students have enrolled in “Awareness program on Solar Water pumping system”.
- ✓ 01 student not attended the course.
- ✓ Progress of each student was attached.
- ✓ Sample certificates are enclosed.

COURSE PROGRESS

  <p>aarthimurugesan12@gmail.com</p> <p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>M.Aarthi</p> <p>Date enrolled: 2021-02-11</p> <p>Email: aarthimurugesan12@gmail.com</p> <p>Name: M.Aarthi</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 80.0</p>	 <p>Awareness Programme on Solar... https://onlinecourses.swayam2.ac.in</p> <p>spriya21734@gmail.com</p> <p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>Priyadharshini S</p> <p>Date enrolled: 2021-02-11</p> <p>Email: spriya21734@gmail.com</p> <p>Name: Priyadharshini S</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 70.0</p>	  <p>anurajjangam@gmail.com</p> <p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>R. ANURAJ</p> <p>Date enrolled: 2021-02-11</p> <p>Email: anurajjangam@gmail.com</p> <p>Name: R. ANURAJ</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 80.0</p>
  <p>shobigaprabaharan@gmail.com</p> <p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>P. Shobiga</p> <p>Date enrolled: 2021-02-11</p> <p>Email: shobigaprabaharan@gmail.com</p> <p>Name: P. Shobiga</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 80.0</p> <p>Module-3: 70.0</p>	 <p>Course Progress</p> <p>THIRUMURUGAN.S</p> <p>Date enrolled: 2021-02-11</p> <p>Email: thirumurugan9152@gmail.com</p> <p>Name: THIRUMURUGAN.S</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 70.0</p>	<p>pv.vaisu1525@gmail.com</p> <p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>P.v.vaishnavi</p> <p>Date enrolled: 2021-02-11</p> <p>Email: pv.vaisu1525@gmail.com</p> <p>Name: P.v.vaishnavi</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 80.0</p>

<div>   </div> <div>sarikaanbu0205@gmail.com</div> <div> IGNOU » Awareness Programme on Solar Water Pumping System </div> <div>  Course Progress </div> <div> Sarika.A Date enrolled: 2021-02-11 Email: sarikaanbu0205@gmail.com Name: Sarika.A </div> <div> Assessment scores Module-1: 90.0 Module-2: 90.0 Module-3: 70.0 </div>	<div>   </div> <div>ramyakumar287@gmail.com</div> <div> IGNOU » Awareness Programme on Solar Water Pumping System </div> <div>  Course Progress </div> <div> K.RAMYA Date enrolled: 2021-02-11 Email: ramyakumar287@gmail.com Name: K.RAMYA </div> <div> Assessment scores Module-1: 90.0 Module-2: 90.0 Module-3: 70.0 </div>	<div>nivethac1808@gmail.com</div> <div> IGNOU » Awareness Programme on Solar Water Pumping System </div> <div>  Course Progress </div> <div> C.Nivetha Date enrolled: 2021-02-11 Email: nivethac1808@gmail.com Name: C.Nivetha </div> <div> Assessment scores Module-1: 90.0 Module-2: 90.0 Module-3: 80.0 </div>
<div>   </div> <div>sushmadurai2001@gmail.com</div> <div> IGNOU » Awareness Programme on Solar Water Pumping System </div> <div>  Course Progress </div> <div> SUSHMA.D Date enrolled: 2021-02-11 Email: sushmadurai2001@gmail.com Name: SUSHMA.D </div> <div> Assessment scores Module-1: 90.0 Module-2: 90.0 Module-3: 80.0 </div>	<div> IGNOU » Awareness Programme on Solar Water Pumping System </div> <div>  Course Progress </div> <div> KAWYA. A Date enrolled: 2021-02-11 Email: kawya19102000@gmail.com Name: KAWYA. A </div> <div> Assessment scores Module-1: 90.0 Module-2: 90.0 Module-3: 80.0 </div>	<div> IGNOU » Awareness Programme on Solar Water Pumping System </div> <div>  Course Progress </div> <div> T.Nivetha Date enrolled: 2021-02-11 Email: nivethathangasamy2000@gmail.com Name: T.Nivetha </div> <div> Assessment scores Module-1: 90.0 Module-2: 90.0 Module-3: 70.0 </div>

<p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>B.Ganesh</p> <p>Date enrolled: 2021-02-11</p> <p>Email: shiyamganesh167@gmail.com</p> <p>Name: B.Ganesh</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 70.0</p>	<p>swayam</p> <p>selvanmani35s@gmail.com</p> <p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>B.THAMIL SELVAN</p> <p>Date enrolled: 2021-02-11</p> <p>Email: selvanmani35s@gmail.com</p> <p>Name: B.THAMIL SELVAN</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 80.0</p>	<p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>K. Ananthavalli</p> <p>Date enrolled: 2021-02-11</p> <p>Email: ananthavalli02062001@gmail.com</p> <p>Name: K. Ananthavalli</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 80.0</p>
<p>← Course Progress</p> <p>Name: G.Prabhu</p> <p>Email: gprabhu957@gmail.com</p> <p>Date Enrolled: 2021-02-11</p> <p>Your Assessment scores</p> <p>Module-1: 90</p> <p>Module-2: 90</p> <p>Module-3: 80</p>	<p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>R.Nageswari</p> <p>Date enrolled: 2021-02-11</p> <p>Email: naaga.rv75@gmail.com</p> <p>Name: R.Nageswari</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 70.0</p>	<p>anantheilamaran@gmail.com</p> <p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>Ananath.ELA</p> <p>Date enrolled: 2021-02-11</p> <p>Email: anantheilamaran@gmail.com</p> <p>Name: Ananath.ELA</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 70.0</p>

IGNOU » Awareness Programme on Solar
Water Pumping System



Course Progress

A.Aasha

Date enrolled: 2021-02-11

Email: ashaarivu023@gmail.com

Name: A.Aasha

Assessment scores

Module-1: 80.0

Module-2: 90.0

Module-3: 80.0

kiruthikabaskar1711@gmail.com

IGNOU » Awareness Programme on Solar
Water Pumping System



Course Progress

B.kiruthika

Date enrolled: 2021-02-11

Email: kiruthikabaskar1711@gmail.com

Name: B.kiruthika

Assessment scores

Module-1: 90.0

Module-2: 90.0

Module-3: 80.0

swayam
bobjdivagar1@gmail.com

IGNOU » Awareness Programme on Solar Water
Pumping System



Course Progress

K. Divagar

Date enrolled: 2021-02-11

Email: bobdivagar1@gmail.com

Name: K. Divagar

Assessment scores

Module-1: 90.0

Module-2: 90.0

Module-3: 80.0

swayam

IGNOU » Awareness Programme
on Solar Water Pumping System

Aparnaa S

Date enrolled: 2021-02-11

Email: aparnaasri2000@gmail.com

Name: Aparnaa S

Assessment scores

Module-1: 90.0

Module-2: 90.0

Module-3: 80.0

mounishrajiah@gmail.com

IGNOU » Awareness Programme on Solar
Water Pumping System



Course Progress

Mounish Rajiah

Date enrolled: 2021-02-11

Email: mounishrajiah@gmail.com

Name: Mounish Rajiah

Assessment scores

Module-1: 90.0

Module-2: 90.0

Module-3: 90.0



Course Progress

J.Anitha

Date enrolled: 2021-02-11

Email: anitharaj852001@gmail.com

Name: J.Anitha

Assessment scores

Module-1: 90.0

Module-2: 90.0

Module-3: 80.0

<p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>S. SANTHIYA</p> <p>Date enrolled: 2021-02-11</p> <p>Email: santhiyasuresh16@gmail.com</p> <p>Name: S. SANTHIYA</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 80.0</p>	<p>vinothamg25@gmail.com</p> <p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>M.vinotha</p> <p>Date enrolled: 2021-02-11</p> <p>Email: vinothamg25@gmail.com</p> <p>Name: M.vinotha</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 80.0</p>	<p>Course Progress</p> <p>M.keerthika</p> <p>Date enrolled: 2021-02-11</p> <p>Email: keerthikamathi1810@gmail.com</p> <p>Name: M.keerthika</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 80.0</p>
<p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>T. Sheela</p> <p>Date enrolled: 2021-02-11</p> <p>Email: sheelat278@gmail.com</p> <p>Name: T. Sheela</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 80.0</p>	<p>swayam</p> <p>latchayasri2k@gmail.com</p> <p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>LATCHAYASRI. G</p> <p>Date enrolled: 2021-02-11</p> <p>Email: latchayasri2k@gmail.com</p> <p>Name: LATCHAYASRI. G</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 80.0</p>	<p>swayam</p> <p>vinothinigovindharaj@gmail.com</p> <p>IGNOU » Awareness Programme on Solar Water Pumping System</p> <p>Course Progress</p> <p>G.vinothini</p> <p>Date enrolled: 2021-02-11</p> <p>Email: vinothinigovindharaj@gmail.com</p> <p>Name: G.vinothini</p> <p>Assessment scores</p> <p>Module-1: 90.0</p> <p>Module-2: 90.0</p> <p>Module-3: 80.0</p>

IGNOU » Awareness Programme on Solar
Water Pumping System



Course Progress

S. Durga devi

Date enrolled: 2021-02-11

Email: selvarajdurga813@gmail.com

Name: S. Durga devi

Assessment scores

Module-1: 70.0

Module-2: 60.0

Module-3: 60.0

M.Dhivya kalki

Date enrolled: 2021-02-11

Email: kalkimurugaiyan@gmail.com

Name: M.Dhivya kalki

Assessment scores

Module-1: 80.0

Module-2: 80.0

Module-3: 80.0



vishwabharathy2001@gmail.com

IGNOU » Awareness Programme on Solar Water
Pumping System



Course Progress

V.Vishwabharathy

Date enrolled: 2021-02-11

Email: vishwabharathy2001@gmail.com

Name: V.Vishwabharathy

Assessment scores

Module-1: 90.0

Module-2: 90.0

Module-3: 80.0



srickece47@gmail.com

IGNOU » Awareness Programme on Solar
Water Pumping System



Course Progress

Srimathichinnaiyan

Date enrolled: 2021-02-11

Email: srickece47@gmail.com

Name: Srimathichinnaiyan

Assessment scores

Module-1: 70.0

Module-2: 80.0

Module-3: 80.0



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2020-2021 (EVEN SEMESTER)**

ABOUT THE SWAYAM / NPTEL ONLINE COURSE:

As per the Instruction given by our HOD, it was planned to conduct swayam / NPTEL online course for **Final year ECE** students in 2020-2021 Even semester.

The Swayam / NPTEL online course list was taken from the swayam portal, and it was circulated to the students. Then they were asked to prefer any one course with four or six weeks duration.

All the final year students are insisted to attend any two courses compulsorily.

All the 42 students have preferred the course named

1. **“Smart materials and intelligent System Design”** with 4 weeks duration.
2. **“Awareness Program on Solar Water Pumping System”** with 4 weeks duration.

1. COURSE NAME: AWARENESS PROGRAM ON SOLAR WATER PUMPING SYSTEM

This course was handled by **Professor** Bishakh Bhattacharya from Indian Institute of Technology (IIT) Kanpur, India.

The course starting date was **15th February 2021**.

The course ending date was **12th March 2021**.

The duration of this course was 4 weeks.

The Course layout was scheduled as follows.

Week 1 : Introduction to Smart Materials

Week 2 : Mechanics of Composite Materials

Week 3 : Induced Strain Actuation Mechanisms

Week 4 : Intelligent System Design

2. COURSE NAME: AWARENESS PROGRAM ON SOLAR WATER PUMPING SYSTEM

This course was handled by Dr. Mukesh Kumar, from Indira Gandhi National Open University, India.

The course starting date was **15th February 2021**.

The course ending date was **30th April 2021**.

The duration of this course was 4 weeks.

The Course layout was scheduled as follows.

Week 1:

Module 1:

- ✓ Solar Energy and its Application
- ✓ Solar Energy and Irrigation Method

Week 2:

Module 2:

- ✓ Solar Water Pump and its components
- ✓ Components of solar pump and PV Module

Week 3:

Module 3:

- ✓ Operation Maintenance and Safety

Week 4:

- ✓ Tests

Outcome:**Course:1 “Smart materials and intelligent System Design”**

- ✓ Out of 42 students, 34 students have completed the course successfully.
- ✓ Among the 34 students, 33 have applied for the exam and received the certificate.

Course:2 “Awareness program on Solar Water pumping system”

- ✓ All the 42 students have completed their course successfully and they have submitted their course progress.
- ✓ No one have applied for the exam on this course.
- ✓ Progress of each student was attached.
- ✓ Sample certificates are enclosed.

Assignment Scores

COURSE NAME : SMART MATERIALS AND INTELLIGENT SYSTEM DESIGN
CLASS : IV ECE

Duration: 4 Weeks
Batch : 2017-2021
















Roll No.	Register Number	Name of the student	Assign-0	Assign-1	Assign-2	Assign-3	Assign-4
1.	821117106002	AJITH K	100	100	100	90	100
2.	821117106003	AKASH S	100	100	100	90	100
3.	821117106004	AMIRTHA V.G	90	80	-	-	-
4.	821117106005	CHITRA SRI S	100	100	100	90	100
5.	821117106007	DHARSINI B	100	100	100	90	100
6.	821117106008	ESWARI A	100	100	100	90	100
7.	821117106009	EZHILARASI M	100	100	100	90	100
8.	821117106012	HARISH B	80	70	-	-	-
9.	821117106013	HEMAMALINI S	100	100	100	90	100
10.	821117106015	ISWARYA M	100	100	100	90	100
11.	821117106016	JAYABHARATHI P	100	100	100	90	100
12.	821117106017	JULIYAT J	80	80	-	-	-
13.	821117106018	KARNAN P	100	100	100	90	100
14.	821117106019	LINCY FREEDA P	100	100	100	90	100
15.	821117106020	MANUSHYA M	100	100	100	90	100
16.	821117106021	MELVIN CHARLES B	100	100	100	90	100
17.	821117106022	MOHAMED JHASIM J	70	-	-	70	-
18.	821117106023	NANDHINI S	100	100	100	90	100
19.	821117106024	NISHA T	100	100	100	90	100
20.	821117106025	NITHISH KUMAR K	100	100	100	90	100
21.	821117106026	PILAVENDRAN NIRMAL B	100	100	100	90	100
22.	821117106027	PREETHIKA M	100	100	100	90	100
23.	821117106028	PRIYADHARSHINI R	60	-	40	-	-
24.	821117106029	RAJALAKSHMI K	60	--	-	-	-
25.	821117106030	ROCHELLA M	-	80	--	-	-
26.	821117106032	ROSHINI R	100	100	100	90	100
27.	821117106033	SANTHOSHINI R	100	100	100	90	100
28.	821117106034	SATHYA V	100	100	100	90	100
29.	821117106035	SENTHAMARAI M	100	100	100	90	100
30.	821117106036	SIVAKUMAR R	100	100	100	90	100
31.	821117106037	SIVANANTHAM Y	100	100	100	90	100
32.	821117106038	SIVA SARANYA A	100	100	100	90	100
33.	821117106040	SOUNDHARYA K	100	100	100	90	100
34.	821117106042	SRITHALA M	100	100	100	90	100
35.	821117106044	SURYA G	100	100	100	90	100
36.	821117106046	VEERALAKSHMI M	100	100	100	90	100
37.	821117106047	VIGNESHWARAN M	80	-	-	-	-
38.	821117106048	VINITHA T	100	100	100	90	100
39.	821117106049	VISHWANATH R	100	100	100	90	100
40.	821117106050	YUVANKISHORE MA	100	100	100	90	100
41.	821117106301	KEERTHANA SHRI.G	100	100	100	90	100
42.	821117106302	SARANKUMAR.R	100	100	100	90	100

Assignment Scores

COURSE NAME : AWARENESS PROGRAM ON SOLAR WATER PUMPING SYSTEM
Duration: 4 Weeks
CLASS : IV ECE
Batch : 2017-2021

Roll No.	Register	Name of the student	Assign-1	Assign-2	Assign-3
1.	821117106002	AJITH K	90	90	80
2.	821117106003	AKASH S	90	90	80
3.	821117106004	AMIRTHA V.G	80	60	80
4.	821117106005	CHITRA SRI S	90	90	70
5.	821117106007	DHARSINI B	90	90	80
6.	821117106008	ESWARI A	90	90	80
7.	821117106009	EZHILARASI M	80	80	70
8.	821117106012	HARISH B	90	90	80
9.	821117106013	HEMAMALINI S	80	80	70
10.	821117106015	ISWARYA M	90	90	80
11.	821117106016	JAYABHARATHI P	80	80	80
12.	821117106017	JULIYAT J	90	90	80
13.	821117106018	KARNAN P	70	60	60
14.	821117106019	LINCY FREEDA P	90	90	70
15.	821117106020	MANUSHYA M	90	90	80
16.	821117106021	MELVIN CHARLES B	90	90	80
17.	821117106022	MOHAMED JHASIM J	90	90	80
18.	821117106023	NANDHINI S	90	90	80
19.	821117106024	NISHA T	90	90	90
20.	821117106025	NITHISH KUMAR K	90	90	70
21.	821117106026	PILAVENDRAN NIRMAL B	90	90	80
22.	821117106027	PREETHIKA M	90	90	70
23.	821117106028	PRIYADHARSHINI R	90	90	80
24.	821117106029	RAJALAKSHMI K	90	90	70
25.	821117106030	ROCHELLA M	90	90	70
26.	821117106032	ROSHINI R	90	90	80
27.	821117106033	SANTHOSHINI R	90	90	70
28.	821117106034	SATHYA V	90	90	80
29.	821117106035	SENTHAMARAI M	90	80	70
30.	821117106036	SIVAKUMAR R	70	80	80
31.	821117106037	SIVANANTHAM Y	80	80	70
32.	821117106038	SIVA SARANYA A	90	90	80
33.	821117106040	SOUNDHARYA K	90	90	80
34.	821117106042	SRITHALA M	90	90	70
35.	821117106044	SURYA G	90	90	80
36.	821117106046	VEERALAKSHMI M	90	90	80
37.	821117106047	VIGNESHWARAN M	90	90	80
38.	821117106048	VINITHA T	90	90	80
39.	821117106049	VISHWANATH R	90	90	80
40.	821117106050	YUVANKISHORE MA	90	90	80
41.	821117106301	KEERTHANA SHRI.G	80	60	80
42.	821117106302	SARANKUMAR.R	90	90	70

COURSE PROGRESS

  ajithkma75ak@gmail.com NPTEL » Smart Materials and Intelligent System Design <hr/> <div>  Course Progress </div> <hr/> <h3>Ajith k</h3> <p>Date enrolled: 2020-12-28 Email: ajithkma75ak@gmail.com Name: Ajith k</p> <hr/> <h3>Assessment scores</h3> <p>Assignment 0: - Assignment 1: 100.0 Assignment 2: 100.0 Assignment 3: 100.0 Assignment 4: 100.0</p>	  chitrasri812@gmail.com NPTEL » Smart Materials and Intelligent System Design <hr/> <div>  Course Progress </div> <hr/> <h3>Chitra sri</h3> <p>Date enrolled: 2021-01-04 Email: chitrasri812@gmail.com Name: Chitra sri</p> <hr/> <h3>Assessment scores</h3> <p>Assignment 0: - Assignment 1: - Assignment 2: 100.0 Assignment 3: 100.0 Assignment 4: 100.0</p>	  dharsini28121999@gmail.com NPTEL » Smart Materials and Intelligent System Design <hr/> <div>  Course Progress </div> <hr/> <h3>Dharsini B</h3> <p>Date enrolled: 2021-01-04 Email: dharsini28121999@gmail.com Name: Dharsini B</p> <hr/> <h3>Assessment scores</h3> <p>Assignment 0: 100.0 Assignment 1: 100.0 Assignment 2: 100.0 Assignment 3: 100.0 Assignment 4: 100.0</p>
NPTEL » Smart Materials and Intelligent System Design <hr/> <div>  Course Progress </div> <hr/> <h3>Eswari</h3> <p>Date enrolled: 2021-01-13 Email: eswarianbuselvan82095@gmail.com Name: Eswari</p> <hr/> <h3>Assessment scores</h3> <p>Assignment 0: 100.0 Assignment 1: 100.0 Assignment 2: 100.0 Assignment 3: 100.0 Assignment 4: 100.0</p>	  karnankra567@gmail.com NPTEL » Smart Materials and Intelligent System Design <hr/> <div>  Course Progress </div> <hr/> <h3>Karnan</h3> <p>Date enrolled: 2021-01-04 Email: karnankra567@gmail.com Name: Karnan</p> <hr/> <h3>Assessment scores</h3> <p>Assignment 0: 100.0 Assignment 1: 100.0 Assignment 2: 100.0 Assignment 3: 100.0 Assignment 4: 100.0</p>	  NPTEL » Smart Materials and Intelligent System Design <hr/> <h3>P Lincyfreeda</h3> <p>Date enrolled: 2021-01-05 Email: lincyfreeda4@gmail.com Name: P Lincyfreeda</p> <hr/> <h3>Assessment scores</h3> <p>Assignment 0: - Assignment 1: 100.0 Assignment 2: 90.0 Assignment 3: 100.0 Assignment 4: 100.0</p>

NPTEL » Smart Materials and Intelligent System Design

Course Progress

M.manushya

Date enrolled: 2020-12-28

Email: manushyamurugaiyan@gmail.com

Name: M.manushya

Assessment scores

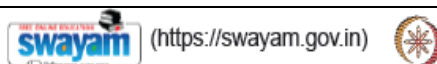
Assignment 0: 100.0

Assignment 1: 90.0

Assignment 2: 90.0

Assignment 3: 100.0

Assignment 4: 100.0



rockmelvin21@gmail.com

Smart Materials and Intelligent System Design (course)

Course Progress

B. Melvin Charles

Date enrolled: 2020-12-28

Email: rockmelvin21@gmail.com

Name: B. Melvin Charles

Assessment scores

Assignment 0: 100.0

Assignment 1: 100.0

Assignment 2: 100.0

Assignment 3: 90.0

Assignment 4: 100.0



mrsroshinibe@gmail.com

NPTEL » Smart Materials and Intelligent System Design

Course Progress

R.ROSHINI.

Date enrolled: 2021-01-04

Email: mrsroshinibe@gmail.com

Name: R.ROSHINI.

Assessment scores

Assignment 0: 100.0

Assignment 1: 100.0

Assignment 2: 100.0

Assignment 3: 100.0

Assignment 4: 100.0



NPTEL » Smart Materials and Intelligent System Design

Course Progress

T . Nisha

Date enrolled: 2021-01-04

Email: nishathangarasu122@gmail.com

Name: T . Nisha

Assessment scores

Assignment 0: 100.0

Assignment 1: 100.0

Assignment 2: 100.0

Assignment 3: 100.0

Assignment 4: 100.0

NPTEL » Smart Materials and Intelligent System Design

Course Progress

Nithish kumar.K

Date enrolled: 2021-01-04

Email: nithishkumarengg@gmail.com

Name: Nithish kumar.K

Assessment scores

Assignment 0: 100.0

Assignment 1: 90.0

Assignment 2: 100.0

Assignment 3: 100.0

Assignment 4: 100.0



preethushabeeha99@gmail.com

NPTEL » Smart Materials and Intelligent System Design

Course Progress

M.PREETHIKA

Date enrolled: 2021-01-04

Email: preethushabeeha99@gmail.com

Name: M.PREETHIKA

Assessment scores

Assignment 0: 100.0

Assignment 1: 100.0

Assignment 2: 80.0

Assignment 3: 100.0

Assignment 4: 100.0



sathyavjs134@gmail.com

NPTEL » Smart Materials and Intelligent System Design



Course Progress

V SATHYA

Date enrolled: 2020-12-28

Email: sathyavjs134@gmail.com

Name: V SATHYA

Assessment scores

Assignment 0: 100.0

Assignment 1: 100.0

Assignment 2: 100.0

Assignment 3: 100.0

Assignment 4: 100.0



sendhamaraibabes@gmail.com

NPTEL » Smart Materials and Intelligent System Design



Course Progress

M. Senthamarai

Date enrolled: 2021-01-04

Email: sendhamaraibabes@gmail.com

Name: M. Senthamarai

Assessment scores

Assignment 0: 100.0

Assignment 1: 100.0

Assignment 2: 90.0

Assignment 3: 100.0

Assignment 4: 100.0



NPTEL » Smart Materials and Intelligent System Design

SIVAKUMAR.R

Date enrolled: 2020-12-30

Email: sivasuccess2000@gmail.com

Name: SIVAKUMAR.R

Assessment scores

Assignment 0: 100.0

Assignment 1: 100.0

Assignment 2: 100.0

Assignment 3: 100.0

Assignment 4: 100.0



santhoshinimanjula@gmail.com

NPTEL » Smart Materials and Intelligent System Design



Course Progress

R. Santhoshini

Date enrolled: 2021-01-04

Email: santhoshinimanjula@gmail.com

Name: R. Santhoshini

Assessment scores

Assignment 0: 100.0

Assignment 1: 100.0

Assignment 2: 90.0

Assignment 3: 100.0

Assignment 4: 90.0



NPTEL » Smart Materials and Intelligent System Design

Name: Soundharya K

Email: ashsaranaga03@gmail.com

Date Enrolled: 2021-02-02

Your Assessment scores

Assignment 0: 100

Assignment 1: 100

Assignment 2: 90

Assignment 3: 100

Assignment 4: 100



NPTEL » Smart Materials and Intelligent System Design

Soundharya K

Date enrolled: 2021-01-08

Email: soundharya3099@gmail.com

Name: Soundharya K

Assessment scores











Assignment 0: 100.0

Assignment 1: 100.0

Assignment 2: 40.0

Assignment 3: 100.0


Assignment 4: 100.0

  <p>vinitha422000@gmail.com</p> <p>NPTEL » Smart Materials and Intelligent System Design</p> <p>☰ Course Progress</p> <p>T.Vinitha</p> <p>Date enrolled: 2021-01-04</p> <p>Email: vinitha422000@gmail.com</p> <p>Name: T.Vinitha</p> <p>Assessment scores</p> <p>Assignment 0: -</p> <p>Assignment 1: 100.0</p> <p>Assignment 2: 90.0</p> <p>Assignment 3: 100.0</p> <p>Assignment 4: 100.0</p>	  <p>gnanasekarsurya@gmail.com</p> <p>NPTEL » Smart Materials and Intelligent System Design</p> <p>☰ Course Progress</p> <p>Surya.G</p> <p>Date enrolled: 2020-12-28</p> <p>Email: gnanasekarsurya@gmail.com</p> <p>Name: Surya.G</p> <p>Assessment scores</p> <p>Assignment 0: 100.0</p> <p>Assignment 1: 100.0</p> <p>Assignment 2: 100.0</p> <p>Assignment 3: 90.0</p> <p>Assignment 4: 100.0</p>	  <p>veerm21@gmail.com</p> <p>NPTEL » Smart Materials and Intelligent System Design</p> <p>☰ Course Progress</p> <p>M.Veeralakshmi</p> <p>Date enrolled: 2021-07-07</p> <p>Email: veerm21@gmail.com</p> <p>Name: M.Veeralakshmi</p> <p>Assessment scores</p> <p>Assignment 0: 100.0</p> <p>Assignment 1: 90.0</p> <p>Assignment 2: 100.0</p> <p>Assignment 3: 100.0</p> <p>Assignment 4: 100.0</p>
<p>NPTEL » Smart Materials and Intelligent System Design</p> <p>☰ Course Progress</p> <p>Yuvankishore.M.A</p> <p>Date enrolled: 2021-01-04</p> <p>Email: yuvan8100@gmail.com</p> <p>Name: Yuvankishore.M.A</p> <p>Assessment scores</p> <p>Assignment 0: 100.0</p> <p>Assignment 1: 100.0</p> <p>Assignment 2: 100.0</p> <p>Assignment 3: 90.0</p> <p>Assignment 4: 100.0</p>	  <p>keerthanasriguna@gmail.com</p> <p>NPTEL » Smart Materials and Intelligent System Design</p> <p>☰ Course Progress</p> <p>G.Keerthana shri</p> <p>Date enrolled: 2021-01-04</p> <p>Email: keerthanasriguna@gmail.com</p> <p>Name: G.Keerthana shri</p> <p>Assessment scores</p> <p>Assignment 0: -</p> <p>Assignment 1: -</p> <p>Assignment 2: 90.0</p> <p>Assignment 3: 90.0</p> <p>Assignment 4: 100.0</p>	  <p>NPTEL » Smart Materials and Intelligent System Design</p> <p>SARANKUMAR.R</p> <p>Date enrolled: 2021-01-04</p> <p>Email: kumarsaran1999@gmail.com</p> <p>Name: SARANKUMAR.R</p> <p>Assessment scores</p> <p>Assignment 0: -</p> <p>Assignment 1: 100.0</p> <p>Assignment 2: 100.0</p> <p>Assignment 3: 100.0</p> <p>Assignment 4: -</p>


Sample certificate

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noe/>


Roll No: NPTEL21ME605119070
 To
 ALPHA K
 87, ANANDHA, MOORE STREET
 VELAMNATTI, PONDICHERRY 605007
 TAMILNADU - 605007
 PH. NO. 9840117134





No. of credits recommended by NPTEL: 1
 An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)
 This certificate is awarded to
AJITH K
 for passing the course
Smart Materials and Intelligent System Design
 with Score* 100 %
 Feb-Mar 2021
 (4 week course)
 Prof. Rajesh M Hegde
Chairman, Centre for Continuing Education
 IIT Kharagpur
 Prof. Subaji Ray
NPTEL Coordinator
 IIT Kharagpur



THIS MODIFIED CERTIFICATE IS APPLICABLE ONLY TO STUDENTS GRADUATING IN 2021

*Continuous online assessment score To validate and check scores: <https://npTEL.ac.in/noe/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noe/>

Roll No: NPTEL21ME6051195641
 To
 AKASH S
 86, NORTH STREET
 SAKSHINAGAR
 KUMBARHOLE, KARNATAKA
 TAMILNADU - 617032
 PH. NO. 9840117134



No. of credits recommended by NPTEL: 1
 An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)
 This certificate is awarded to
AKASH S
 for passing the course
Smart Materials and Intelligent System Design
 with Score* 100 %
 Feb-Mar 2021
 (4 week course)
 Prof. Rajesh M Hegde
Chairman, Centre for Continuing Education
 IIT Kharagpur
 Prof. Subaji Ray
NPTEL Coordinator
 IIT Kharagpur



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*Continuous online assessment score To validate and check scores: <https://npTEL.ac.in/noe/>

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Roll No: NPTEL21ME605160317
 To
 S CHITRA SRI
 NORTH STREET (SANDANAI HOUSE)
 VANDARVAI, VILUPPUTHUR DISTRICT
 TAMILNADU - 617010
 PH. NO. 9875728210



No. of credits recommended by NPTEL: 1
 An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)
 This certificate is awarded to
S CHITRA SRI
 for passing the course
Smart Materials and Intelligent System Design
 with Score* 100 %
 Feb-Mar 2021
 (4 week course)
 Prof. Rajesh M Hegde
Chairman, Centre for Continuing Education
 IIT Kharagpur
 Prof. Subaji Ray
NPTEL Coordinator
 IIT Kharagpur



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Roll No: NPTEL21ME6051945294
 To
 R VISHWANATH
 55, MOORTHY STREET, KARANDHAKA
 KARANDHAKA
 THIRUVARUR
 TAMILNADU - 611002
 PH. NO. 9836703708



No. of credits recommended by NPTEL: 1
 An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)
 This certificate is awarded to
R VISHWANATH
 for passing the course
Smart Materials and Intelligent System Design
 with Score* 97 %
 Feb-Mar 2021
 (4 week course)
 Prof. Rajesh M Hegde
Chairman, Centre for Continuing Education
 IIT Kharagpur
 Prof. Subaji Ray
NPTEL Coordinator
 IIT Kharagpur



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Roll No: NPTEL21ME6051055819
 To
 T VINITHA
 305, EREN NAGAR
 POLUPPAPERVOLE
 THANDAVUR
 TAMILNADU - 614206
 PH. NO. 9836838622



No. of credits recommended by NPTEL: 1
 An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)
 This certificate is awarded to
T VINITHA
 for passing the course
Smart Materials and Intelligent System Design
 with Score* 100 %
 Feb-Mar 2021
 (4 week course)
 Prof. Rajesh M Hegde
Chairman, Centre for Continuing Education
 IIT Kharagpur
 Prof. Subaji Ray
NPTEL Coordinator
 IIT Kharagpur



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Roll No: NPTEL21ME6051096108
 To
 M VIGNESHWARAN
 116, MOORTHY NAGAR, THIRU NAGAR
 KALLAWAY FEEDER ROAD, KARANDHAKA
 KARANDHAKA
 TAMIL NADU - 611001
 PH. NO. 9836703708



No. of credits recommended by NPTEL: 1
 An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)
 This certificate is awarded to
M VIGNESHWARAN
 for passing the course
Smart Materials and Intelligent System Design
 with Score* 97 %
 Feb-Mar 2021
 (4 week course)
 Prof. Rajesh M Hegde
Chairman, Centre for Continuing Education
 IIT Kharagpur
 Prof. Subaji Ray
NPTEL Coordinator
 IIT Kharagpur



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Roll No: NPTEL21ME6051084130
 To
 M VEERALAKSHMI
 40, TILAK NAGAR, KARANDHAKA STREET
 KARANDHAKA, THIRUVARUR
 TAMILNADU - 611006
 PH. NO. 9438702723



No. of credits recommended by NPTEL: 1
 An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)
 This certificate is awarded to
M VEERALAKSHMI
 for passing the course
Smart Materials and Intelligent System Design
 with Score* 100 %
 Feb-Mar 2021
 (4 week course)
 Prof. Rajesh M Hegde
Chairman, Centre for Continuing Education
 IIT Kharagpur
 Prof. Subaji Ray
NPTEL Coordinator
 IIT Kharagpur



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Roll No: NPTEL21ME6051288270
 To
 Y SIVANANTHAM
 87, GANDHI ROAD, MANMARIGUDI
 MANMARIGUDI
 TAMIL NADU - 614601
 PH. NO. 9428427280



No. of credits recommended by NPTEL: 1
 An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)
 This certificate is awarded to
Y SIVANANTHAM
 for passing the course
Smart Materials and Intelligent System Design
 with Score* 100 %
 Feb-Mar 2021
 (4 week course)
 Prof. Rajesh M Hegde
Chairman, Centre for Continuing Education
 IIT Kharagpur
 Prof. Subaji Ray
NPTEL Coordinator
 IIT Kharagpur



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Roll No: NPTEL21ME6051642626
 To
 SOUNDHARYA K
 158A, BIRTHALLAR KARAN ROAD, MUTHUNAGARPET
 SENGAPETI, THANDAVUR
 TAMILNADU - 613602
 PH. NO. 9836900157



No. of credits recommended by NPTEL: 1
 An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)
 This certificate is awarded to
SOUNDHARYA K
 for passing the course
Smart Materials and Intelligent System Design
 with Score* 100 %
 Feb-Mar 2021
 (4 week course)
 Prof. Rajesh M Hegde
Chairman, Centre for Continuing Education
 IIT Kharagpur
 Prof. Subaji Ray
NPTEL Coordinator
 IIT Kharagpur



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*Continuous online assessment score To validate and check scores: <https://npTEL.ac.in/noe/>

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Roll No: NPTEL21ME6051994216

To
SIVAKUMAR R
WINGS COLLEGE OF ENGINEERING, PUNJALIKULAM
GANDHARVASTHAI TALUK,
PUDUCHERRY DISTRICT
THANJAVUR - 613303
PIN NO: 6047370394



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University assesses it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
SIVAKUMAR R
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Indian Institute of Technology Kharagpur

*Continuous online assessment score To validate and check scores: <https://npTEL.ac.in/ncsr/>

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Roll No: NPTEL21ME6051747820

To
JAYABHARATHI P
WINGS COLLEGE OF ENGINEERING, PUNJALIKULAM
GANDHARVASTHAI TALUK,
PUDUCHERRY DISTRICT
THANJAVUR - 613303
PIN NO: 6047370394



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University assesses it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
JAYABHARATHI P
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME6051244132

To
M SENTHAMARAI
WINGS COLLEGE OF ENGINEERING, PUNJALIKULAM
GANDHARVASTHAI TALUK,
PUDUCHERRY DISTRICT
THANJAVUR - 613303
PIN NO: 6047370394



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University assesses it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
M SENTHAMARAI
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME605175876

To
SATHYA V
WINGS COLLEGE OF ENGINEERING, PUNJALIKULAM
GANDHARVASTHAI TALUK,
PUDUCHERRY DISTRICT
THANJAVUR - 613303
PIN NO: 6047370394



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University assesses it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
SATHYA V
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME6051698549

To
SANTHOSHINI R
WINGS COLLEGE OF ENGINEERING, PUNJALIKULAM
GANDHARVASTHAI TALUK,
PUDUCHERRY DISTRICT
THANJAVUR - 613303
PIN NO: 6047370394



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University assesses it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
SANTHOSHINI R
for passing the course
Smart Materials and Intelligent System Design
with Score* 97 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME6051469700

To
MELVINCHARLES B
WINGS COLLEGE OF ENGINEERING, PUNJALIKULAM
GANDHARVASTHAI TALUK, PUDUCHERRY DISTRICT
THANJAVUR - 613303
PIN NO: 6047370394



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University assesses it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
MELVINCHARLES B
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME6051387924

To
M PREETHIKA
WINGS COLLEGE OF ENGINEERING, PUNJALIKULAM
GANDHARVASTHAI TALUK, PUDUCHERRY DISTRICT
THANJAVUR - 613303
PIN NO: 6047370394



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University assesses it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
M PREETHIKA
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME605163539

To
A SIVA SARANYA
WINGS COLLEGE OF ENGINEERING, PUNJALIKULAM
GANDHARVASTHAI TALUK,
PUDUCHERRY DISTRICT
THANJAVUR - 613303
PIN NO: 6047370394



No. of credits recommended by NPTEL-1
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NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
A SIVA SARANYA
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME6051726207

To
NITHISH KUMAR K
WINGS COLLEGE OF ENGINEERING, PUNJALIKULAM
GANDHARVASTHAI TALUK,
PUDUCHERRY DISTRICT
THANJAVUR - 613303
PIN NO: 6047370394



No. of credits recommended by NPTEL-1
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NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
NITHISH KUMAR K
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME6051130131

To: B PILAVENDRAN NIRMAL
NO 76A METTICAL NEW HOUSING UNIT
TRANSKURUR
TAMIL NADU - 610006
PIN NO: 6100230868



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
B PILAVENDRAN NIRMAL
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME6051063323

To: S NANDHINI
C/2, 2 STREET MUNICIPAL COLONY
M. K. ROOSTHATHANAGAR
TRANSKURUR
TAMIL NADU - 610006
PIN NO: 6100423913



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
S NANDHINI
for passing the course
Smart Materials and Intelligent System Design
with Score* 97 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME6051374551

To: M SRITHALA
ANNA COLONY 4TH STREET
PVT ROAD THODANAPPAHAR SQUARE
TRANSKURUR
TAMIL NADU - 610001
PIN NO: 7330431324



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
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with Score* 97 %

Feb-Mar 2021
(4 week course)

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Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME6051595279

To: R ROSHINI
KIL, NEW STREET, GANAKANTHI AGARAHAM,
PANNALANANTH
TRANSKURUR
TAMIL NADU - 610002
PIN NO: 6052718019



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
R ROSHINI
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Roll No: NPTEL21ME6051621383

To: MANUSHYA M
KINGS COLLEGE OF ENGINEERING, PUNALIKULAM
GARGANAKOTTA (TA), PUDUKOTTA (DT)
PUDUKOTTA
TAMILNADU - 610006
PIN NO: 6064701036



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
MANUSHYA M
for passing the course
Smart Materials and Intelligent System Design
with Score* 97 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Indian Institute of Technology Kharagpur

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Roll No: NPTEL21ME6051785608

To: R SARANKUMAR
NO.237 AMBALAPPAHAR NAGER, NR ROAD,
TRANSKURUR
TAMILNADU - 610006
PIN NO: 6064701036



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
R SARANKUMAR
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Indian Institute of Technology Kharagpur

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Roll No: NPTEL21ME6051092018

To: G KEERTHANA SRI
KILA, PANNALANANTH, TRANSKURUR
TAMIL NADU - 610006
PIN NO: 6100230868



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
G KEERTHANA SRI
for passing the course
Smart Materials and Intelligent System Design
with Score* 93 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

THIS MODIFIED CERTIFICATE IS APPLICABLE ONLY TO STUDENTS GRADUATING IN 2021

Indian Institute of Technology Kharagpur

*Continuous online assessment score To validate and check scores: <https://npTEL.ac.in/ncsc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/ncsc/>

Roll No: NPTEL21ME605117486

To: KARNAN P
KINGS COLLEGE OF ENGINEERING, PUNALIKULAM
PUNALIKULAM GARGANAKOTTA TALUK
PUDUKOTTA
TAMIL NADU - 610006
PIN NO: 6064701036



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
KARNAN P
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

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Indian Institute of Technology Kharagpur

*Continuous online assessment score To validate and check scores: <https://npTEL.ac.in/ncsc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/ncsc/>

Roll No: NPTEL21ME6051478352

To: M ISWARYA
KILA, PANNALANANTH, TRANSKURUR
TAMIL NADU - 610006
PIN NO: 6100230868



No. of credits recommended by NPTEL-1
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
M ISWARYA
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kharagpur

Prof. Satyaki Ray
NPTEL Coordinator
IIT Kharagpur

THIS MODIFIED CERTIFICATE IS APPLICABLE ONLY TO STUDENTS GRADUATING IN 2021

Indian Institute of Technology Kharagpur

*Continuous online assessment score To validate and check scores: <https://npTEL.ac.in/ncsc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noC/>

Roll No: NPTEL21ME6051667284

To
S HEMAMALINI
SRIKANTH CHANDRASEKAR STREET,
KANDAMMAL THANGAVAR
THANGAVAR
TAMIL NADU - 613002
PIN NO: 613002



No. of credits recommended by NPTEL:1
An additional 1 credit may be awarded if the University issues it RL based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
S HEMAMALINI
for passing the course
Smart Materials and Intelligent System Design
with Score* 67 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Central Board of Examinations
IIT Kharagpur

Prof. Sanyasi Roy
NPTEL, Coordinator
IIT Kharagpur

THIS MODIFIED CERTIFICATE IS APPLICABLE ONLY TO STUDENTS GRADUATING IN 2021

Indian Institute of Technology Kharagpur

***Continuous online assessment score** To validate and check scores: <https://npTEL.ac.in/noC/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noC/>

Roll No: NPTEL21ME6051735809

To
SURYA G
KINGS COLLEGE OF ENGINEERING PUNJALUJAM
KANDAMMAL THANGAVAR
THANGAVAR
TAMIL NADU - 613002
PIN NO: 613002



No. of credits recommended by NPTEL:1
An additional 1 credit may be awarded if the University issues it RL based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
SURYA G
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Central Board of Examinations
IIT Kharagpur

Prof. Sanyasi Roy
NPTEL, Coordinator
IIT Kharagpur

THIS MODIFIED CERTIFICATE IS APPLICABLE ONLY TO STUDENTS GRADUATING IN 2021

Indian Institute of Technology Kharagpur

***Continuous online assessment score** To validate and check scores: <https://npTEL.ac.in/noC/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noC/>

Roll No: NPTEL21ME6051648389

To
M EZHILARASI
KINGS COLLEGE OF ENGINEERING PUNJALUJAM
KANDAMMAL THANGAVAR
THANGAVAR
TAMIL NADU - 613002
PIN NO: 613002



No. of credits recommended by NPTEL:1
An additional 1 credit may be awarded if the University issues it RL based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
M EZHILARASI
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Central Board of Examinations
IIT Kharagpur

Prof. Sanyasi Roy
NPTEL, Coordinator
IIT Kharagpur

THIS MODIFIED CERTIFICATE IS APPLICABLE ONLY TO STUDENTS GRADUATING IN 2021


Indian Institute of Technology Kharagpur

***Continuous online assessment score** To validate and check scores: <https://npTEL.ac.in/noC/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noC/>

Roll No: NPTEL21ME6051519991

To
ESWARI A
15002, TRANSGRAMAN NADA VADHARAM
KANDAMMAL THANGAVAR
THANGAVAR
TAMIL NADU - 613002
PIN NO: 613002



No. of credits recommended by NPTEL:1
An additional 1 credit may be awarded if the University issues it RL based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
ESWARI A
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Central Board of Examinations
IIT Kharagpur

Prof. Sanyasi Roy
NPTEL, Coordinator
IIT Kharagpur

THIS MODIFIED CERTIFICATE IS APPLICABLE ONLY TO STUDENTS GRADUATING IN 2021

Indian Institute of Technology Kharagpur

***Continuous online assessment score** To validate and check scores: <https://npTEL.ac.in/noC/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noC/>

Roll No: NPTEL21ME605108493

To
DHARSINI B
804/4TH STREET VICTORIA COLONY,
ESWAR NAGAR REDDIAPALAM ROAD,
THANGAVAR
TAMIL NADU - 613004
PIN NO: 613004



No. of credits recommended by NPTEL:1
An additional 1 credit may be awarded if the University issues it RL based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
DHARSINI B
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Central Board of Examinations
IIT Kharagpur

Prof. Sanyasi Roy
NPTEL, Coordinator
IIT Kharagpur

THIS MODIFIED CERTIFICATE IS APPLICABLE ONLY TO STUDENTS GRADUATING IN 2021

Indian Institute of Technology Kharagpur

***Continuous online assessment score** To validate and check scores: <https://npTEL.ac.in/noC/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noC/>

Roll No: NPTEL21ME6051272640

To
YUVANKISHORE M A
KINGS COLLEGE OF ENGINEERING PUNJALUJAM
KANDAMMAL THANGAVAR
THANGAVAR
TAMIL NADU - 613002
PIN NO: 613002



No. of credits recommended by NPTEL:1
An additional 1 credit may be awarded if the University issues it RL based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
YUVANKISHORE M A
for passing the course
Smart Materials and Intelligent System Design
with Score* 100 %

Feb-Mar 2021
(4 week course)

Prof. Rajesh M. Hegde
Chairman, Central Board of Examinations
IIT Kharagpur

Prof. Sanyasi Roy
NPTEL, Coordinator
IIT Kharagpur

THIS MODIFIED CERTIFICATE IS APPLICABLE ONLY TO STUDENTS GRADUATING IN 2021

Indian Institute of Technology Kharagpur

***Continuous online assessment score** To validate and check scores: <https://npTEL.ac.in/noC/>



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2020-2021 (EVEN SEMESTER)

Execution Summary Report of SWAYAM

S.No	Class	SWAYAM Course Title	No. of students Completed the Course	No. of students Attended Exam
1.	II ECE	Electronic Waste Management Issues and Challenges	37/42	03/42
		Awareness Program on Solar Water Pumping System	5/42	Nil
2.	III ECE	Awareness Program on Solar Water Pumping System	38/39	Nil
3.	IV ECE	Smart Materials and Intelligent System Design	33/42	33/42
		Awareness Program on Solar Water Pumping System	42/42	Nil



1.2.2 - Universal Human Values

Cell





1.2.2 - Universal Human Values

OBJECTIVES

To facilitate the development of a Holistic perspective among students towards life and profession as well as towards happiness and prosperity based on a correct understanding Human reality and the rest of existence.



1.2.2 - UNIVERSAL HUMAN VALUES CELL (UHV)

Content

S.No	Name of the Programme	Page Number
1	Universal Human Values (UHV) programme for faculty and students	1
2	Physical Health and Related Activities	5
3	Creative Arts and Culture	6
4	Motivational talk	10
5	Literary Activities	12
6	UHV Module I (2020-2021 Batch)	16
7	UHV Module I (2019-2020 Batch)	35
8	UHV Module I (2018-2019 Batch)	56

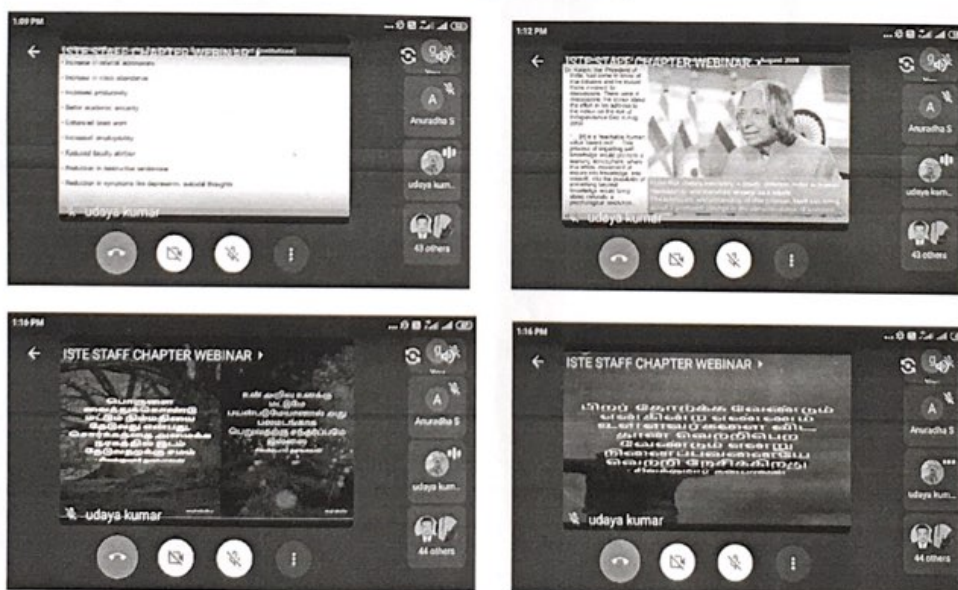


ISTE STAFF CHAPTER [TN 205] ACADEMIC YEAR 2020-21 (ODD SEMESTER) WEBINAR REPORT

29.10.2020

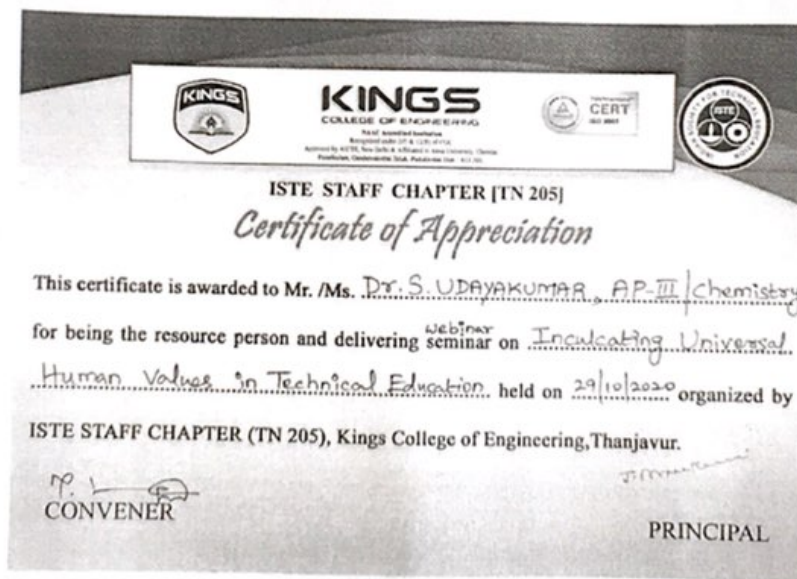
A one day webinar titled “Inculcating Universal Human Values in Technical Education” was organized by the ISTE Staff Chapter [TN 205] through (Google meet) on **29.10.2020** from 12.30p.m. to 1.30p.m. to the faculty members of Kings College of Engineering with an objective to offer a better understanding of universal human values. Welcome address was delivered by Mrs.T.Gnanajeya, Coordinator / ISTE Chapter. The session was handled by eminent resource person **Dr.S.Udayakumar, Assistant Professor III, Department of Chemistry**. The resource person presented the concepts of self exploration, Human effort, Right Understanding, Relationship, Physical facility, Transformation, Holistic Development, Human Goal, Implementation and impact of UHV, Incorporate human values in Education, Universal human values, Fulfillment of basic human aspirations and Resolution of present-day problems in excellent manner. Totally 50 faculty members actively participated in this session and gained knowledge about universal human values. Vote of thanks was given by Mrs.T.Gnanajeya, Coordinator / ISTE Chapter. After the session participants gave the feedback through feedback link.

Webinar Highlights





Principal gives away the Certificate of Appreciation to the Resource Person



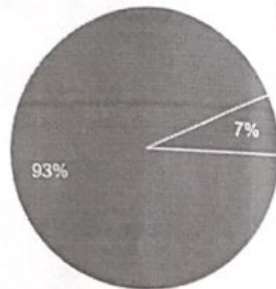
Certificate of Appreciation - Resource Person

Feedback Questions and Responses

1.

Content of the Program?

43 responses

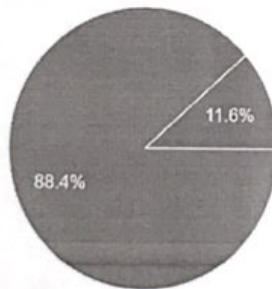


● Excellent
● Good
● Fair

2.

Speaker's way of Presentation?

43 responses

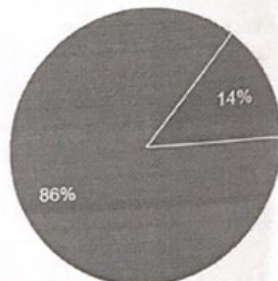


● Excellent
● Good
● Fair

3.

How did the session compare to your expectation?

43 responses

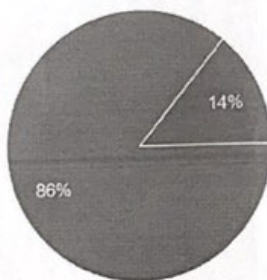


● Excellent
● Good
● Fair

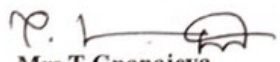
4.

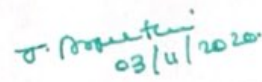
Over all experience?

43 responses



● Excellent
● Good
● Fair


Mrs. T. Gnanajeya
Convener 3/11/2020


03/11/2020
Dr. J. Arputha Vijaya Selvi
Principal



UNIVERSAL HUMAN VALUES CELL (UHV)

Academic Year 2020-2021

Health Related Activities

Health related activities programme was conducted for the first year students through online mode under the banner of UHV on 20.11.2020. In this programme **Dt.Uma Maheshwari P.S Clinical nutritionist happy living online diet clinic, Vietnam**, articulated greatly on balanced diet with a neat sketch of perfect diet pattern to have lead life healthy. She pointed out the importance of balanced diet and distended a food chart for all age group of people. She also explained the doubts raised by our students during the programme, many students were participated and get benefited.


UHV Coordinator

J. Manjini
20/11/2020



UNIVERSAL HUMAN VALUES CELL (UHV)

Academic Year 2020-2021

Creative Arts and Culture

Competition programme was conducted in creative arts and culture under the banner of UHV through online mode on 12.01.2021. The following competition programme was conducted in the respective titles.

- 1) Drawing Competition – About Independence India
- 2) Photography -- Human Values
- 3) Rangoli -- Unity and diversity

Many Students were participated and the following students were selected for the prize.

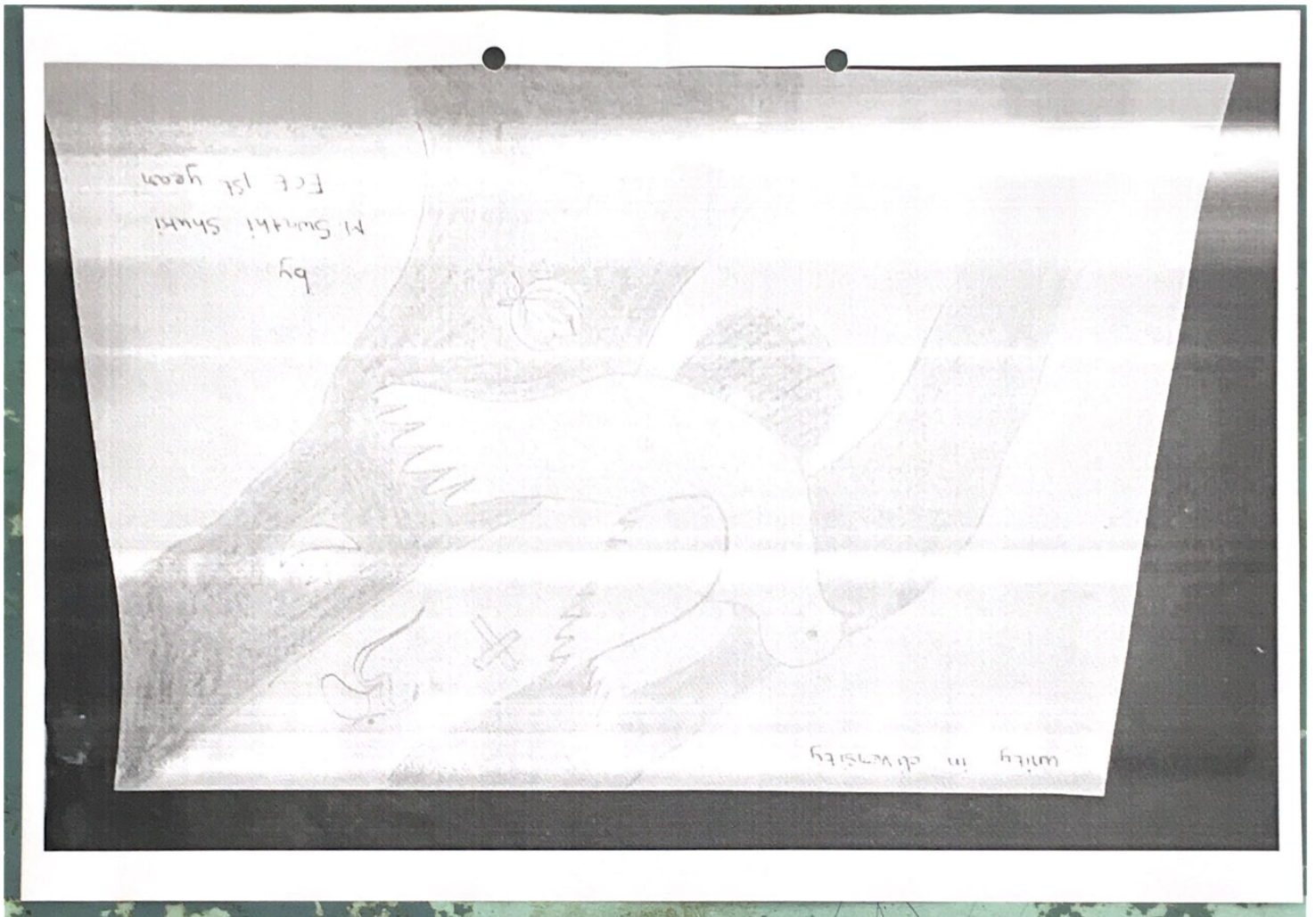
S.No	Students Name	Branch	Name of the competition
1	S,Snega	CSE	Drawing Competition
2	N.Naresh	CSE	Photography
3	M. Swathi Suki	ECE	Rangoli

[Signature]
UHV Coordinator
12/1/2021
J. Praveen
12/1/2021

INDEPENDENT INDIA



BY S. Snega
1st year CSE



Human Values



By

N.Naresh I CSE



UHV Programme

Platform: Google Meet

Agenda

Session /Time	Activity	
AN 1.30 -4.30 pm 19.03.2021	Invocation Song	
	Welcome Address	Dr.S.Udayakumar UHV Coordinator
	Resource person	Dr. N.Mahesan, Professor, Department of Tamil, PRIST University, Thanjavur
	Vote of Thanks	Dr.S.Udayakumar UHV Coordinator
	National Anthem	



Department of Science and Humanities
Academic Year 2020-2021

Universal Human Values (UHV)

Report

UHV Cell of our college, was organized a programme on "Motivational Talk" at our college on 19.03.2021. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, AP/III/ Chemistry. The resource person of the program Dr. N.Mahesan, Professor, Department of Tamil, PRIST University, Thanjavur, has motivated the students with lively examples. He also explained about current situation in the society and he insisted to achieve the goal through hard working. He also guided the students how to face and overcome the problem in the society. In this programme all first year students were attended through online mode and get benefitted.

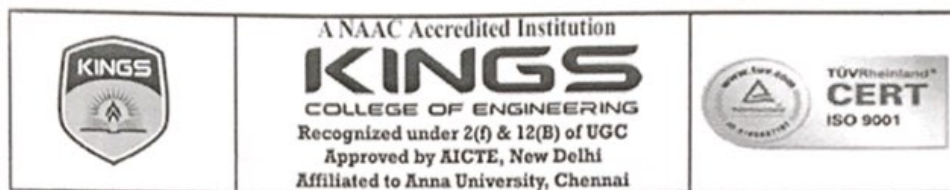
[Signature]
UHV Coordinator

[Signature]
SIP Coordinator

[Signature]
PRINCIPAL

Encl:

1. Broucher



UHV Programme

Platform: Google Meet

Agenda

Session /Time	Activity	
AN 1.30 -4.30 pm 19.02.2021	Invocation Song	
	Welcome Address	Dr.S.Udayakumar UHV Coordinator
	Resource person	Dr. L.Rajesh, Assistant Professor, Department of English, Rajah Serfoji College, Thanjavur
	Vote of Thanks	Dr.S.Udayakumar UHV Coordinator
	National Anthem	



**Department of Science and Humanities
Academic Year 2020-2021**


Universal Human Values (UHV)

Report

UHV Cell of our college, ~~was~~ organized a programme on “**Literary Activities – Translation**” at our college on 19.02.2021. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, APIII/ Chemistry. The resource person of the program Dr. L.Rajesh, Assistant Professor, Department of English, Rajah Serfoji College, Thanjavur, has well explained about Translation. He also explained about current scenario of translation and how to handle it for our further growth. In this programme all first year students ~~were~~ attended through online mode and get benefitted.


UHV Coordinator 25/2/2021


SIP Coordinator 25/2/2021


PRINCIPAL 25/2/2021

Encl:

1. Broucher

KINGS COLLEGE OF ENGINEERING
NAAC Accredited Institution, Recognized under 2(f) & 12(B) Act of UGC
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
Punakulam, Near Thanjavur, Pudukkottai Dt - 613 303

**Literary Activities Programme
Translation**

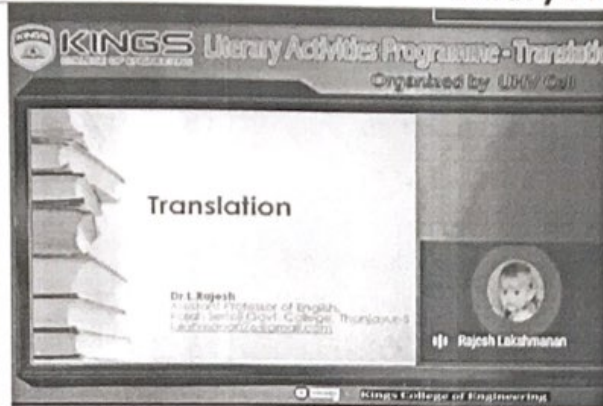
Date: 19/02/2021



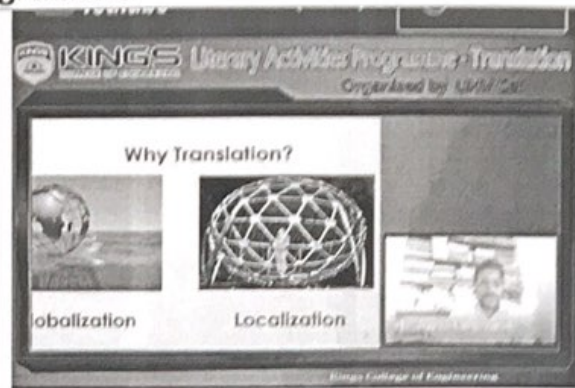
Dr.L.RAJESH,
Assistant Professor of English,
Rajah Serfoji Government college, Thanjavur

Time: 11:15 a.m. to 12:15 p.m.

Litrary Programme



UHV - Literary Activities Programme - Translation



UHV - Literary Activities Programme - Translation



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KINGS
COLLEGE OF ENGINEERING

Recognized under 2(f) & 12(B) of UGC

Approved By AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai (tk), Near Thanjavur, Pudukkottai - 613303

CERTIFICATE

This is to certify that **Dr. L. Rajesh**, *Assistant Professor of English*, *Rajah Serfoji Government College, Thanjavur* delivered webinar on **Translation** on 19th February 2021, organized by Universal Human Values Cell, Department of Science and Humanities, Kings College of Engineering, Punalkulam.

Dr. S. Udayakumar
UHV Coordinator

Dr. V. Sureshkumar
HOD/ S&H

Dr. J. Arputha Vijaya Selvi
Principal

DEPARTMENT OF SCIENCE AND HUMANITIES
Academic Year 2020-21
Universal Human Values (UHV) Programme

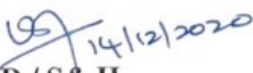
As per the AICTE instructions we are plan to organize "Online UHV Program" on the following Saturdays as per the schedule given below. Google Meet link will be intimated to students and Resource person through class coordinators in advance. Class coordinators are instructed to cooperate for the smooth conduct of the program. Attendance for students is compulsory.

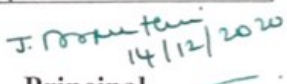
Time: 1.45 pm to 4.00pm

Platform: Google Meet

S.No.	Branch/ Class	Date/ Day	Title of the program	Name of the Resource Person
1.	Common to all First year Students	19.12.2020 Saturday	Human Aspirations – Continuous happiness and Prosperity	Mrs.K.Abhirami, AP/CSE, KCE
			Right Understanding with Human Beings	Mrs.R.Revathi, HoD/CIVIL, KCE
2.		02.01.2021 Saturday	Understanding the needs of self and body	Mrs.N.Mangayarkarsi AP/ECE, KCE
			Understanding harmony in the family	Dr.T.Shanthi, AP/ECE, KCE
3.		09.01.2021 Saturday	To ensure Trust and Respect in human relationship	Mr.R.Sundaramoorthy, AP/EEE, KCE
			Understanding the difference between intention and competency	Dr.K.Sudhakar, AP/T&P. KCE
4.		23.01.2021 Saturday	Respect and differentiation in Human Relationship	Mrs.S.Puvaneswari, AP/CSE, KCE
			Interconnectedness and fulfillment of nature recyclability and self- regulation in nature	Dr.B.Bharankumar, AP/T&P. KCE
5.		30.01.2021 Saturday	Competence in Professional Ethics	Mr.B.Sureshbabu, AP/T&P. KCE
			Visualizing a Universal harmonious order in society- undivided society	Dr.T.Pusparaj HoD/MECH, KCE
6.		06.02.2021 Saturday	Holistic perception of harmony at all levels of existence	Dr.A.Albert Martein Ruban HoD/ EEE, KCE
			Natural acceptance of Human Values	Dr.S.Sivakumar, Vice Principal, KCE


 Coordinator UHV


 HoD / S & H


 Principal

SCHEDULE

S.No.	Branch/ Class	Date/ Day	Title of the program	Name of the Resource Person
1.	Common to all First year Students	19.12.2020 Saturday	Human Aspirations – Continuous happiness and Prosperity	Mrs.K.Abhirami, AP/CSE, KCE
			Right Understanding with Human Beings	Mrs.R.Revathi, HoD/CIVIL, KCE
2.		02.01.2021 Saturday	Understanding the needs of self and body	Mrs.N.Mangayarkarsi AP/ECE, KCE
			Understanding harmony in the family	Dr. I.Shanthi, AP/ECE, KCE
3.		09.01.2021 Saturday	To ensure Trust and Respect in human relationship	Mr.R.Sundaramoorthy, AP/EEE, KCE
			Understanding the difference between intention and competency	Dr.K.Sudhakar, AP/T&P, KCE
4.		23.01.2021 Saturday	Respect and differentiation in Human Relationship	Mrs.S.Puvaneswari, AP/CSE, KCE
			Interconnectedness and fulfillment of nature recyclability and self- regulation in nature	Dr.B.Bharankumar, AP/T&P, KCE
5.		30.01.2021 Saturday	Competence in Professional Ethics	Mr.B.Sureshbabu, AP/T&P, KCE
			Visualizing a Universal harmonious order in society- undivided society	Dr.T.Pusparaj HoD/MECH, KCE
6.		16.02.2021 Tuesday	Natural acceptance of Human Values	Dr.S.Sivakumar, Vice Principal, KCE
		08.03.2021 Monday	Holistic perception of harmony at all levels of existence	Dr.A.Albert Martein Ruban HoD/ EEE, KCE



UHV Programme

Platform: Google Meet

Agenda

Session /Time	Activity	
AN 1.30 -4.30 pm Scheduled days	Invocation Song	
	Welcome Address	Dr.V.Surehkumar SIP Coordinator
	Resource person	Mrs.K.Abhirami, Asst. Prof, Department of Computer Science
		Mrs.R.Revathi, HoD, Department of Civil
		Mrs.N.Mangayarkarasi, HoD i/c, Dept.of ECE
		Dr. T. Shanthi, Associate Professor, Department of ECE
		Mr. R. Sundaramoorthy, Assistant Professor, Department of EEE
		Dr.K.sudhakar, Assistant Professor, Department of T&P
		Mrs. S. Bhuvaneshwari, Assistant Professor, Department of CSE
		Dr. B.Barankumar, Asst.Prof Department of T&P
		Mr. B.Sureshbabu, AP/ T&P, KCE
		Dr. T, Pushparaj HoD/ MECH, KCE
		Dr.S.Sivakumar, Vice Principal
		Dr.A.Albert Martin Ruban, HoD, Department of EEE
	Vote of Thanks	Dr.S.Udayakumar UHV Coordinator
	National Anthem	



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Affiliated to Anna University, Chennai



Department of Science and Humanities
Academic Year 2020-2021
Universal Human Values (UHV)
Students Induction Programme (SIP)

REPORT

As per AICTE instruction, many programmes with myriad forms of concepts addressing humanistic core value through “Universal Human Values” under UHV Cell, were organized at Kings College of Engineering from 19.12.2020 to 08.03.2021. The UHV aims to bring opportunities for students to enrich the quality of the learning process by exploring in-depth knowledge in human values as well as Engineering education.

Sessions

➤ Day- 1 (19/12/2020) AN 1.45 – 2.45 pm Session:

Prof. Mrs.K.Abhirami, Asst. Prof, Department of Computer Science, Kings College of Engineering delivered lecture on “Human Aspirations - Continuous Happiness and Prosperity”. She stressed ‘the need to focus on human values as they are quintessential to lead one’s life amicably, comfortably, and socially responsible’. She explained, “the core values help to grow and develop confidently and also help to create the healthy future we want”. Her discussion maintained ‘making decision destines our values and life’.

The student participants were kept abreast of all the required standards of being an exemplary to good values of life. She emphasized on the needed moralities, an inevitable prerequisite for attaining the excellence in education. And her presentation touched the right chord to assure “sharing of values will certainly pave a way for building a concrete social group to unitedly achieve things in the world”.

➤ Day-1 (19/12/2020) AN 3.10 – 4.00 pm Session:

Mrs.R.Revathi, HoD, Department of Civil, Kings College of Engineering delivered a lecture on “Right Understanding with Human Beings”. The presenter enunciated clearly that ‘understanding others in the right way will be of conducive to have better existence’ and insisted ‘it would lead for interconnectedness’.

She reminded, “*Understanding others will help us predict the people*” and pointed, “*this will move us solidly for better coexistence*”. She had not forgotten to make clear to the student that ‘our actions bring in reactions’. She maintained, “*the joint living patterns make us to live life thoroughly by learning and adapting to the values*”. “*Good inter-personnal skills to communicate with others more effectively*”, was rightly quoted by her. Her presentation was interlaced with the need of ‘SMILE’ since ‘*it brings positive effects on us and it stimulates our brain to perform more productively*’. Finally, the participants interacted with the resource person till their queries on interpersonal skills were addressed convincingly.

➤ Day-2 (02/01/2021) AN 1.45 – 2.45 pm Session:

Mrs.N.Mangayarkarasi, HoD i/c, Dept.of ECE, Kings College of Engineering delivered a Lecture on “Understanding the needs of self and body”. She started with the word “intelligence and Character is the goal of true education”. She has given tips to take care about body and self with good examples.

She explained in detail how to break the barrier of mind activities come from outside. She insists to realize our behavior through get feedback from others to rectify ourselves. Enthusiasm, confidence level,

demonstrates and care will be taken to strength our body and self. Finally she motivated the students to achieve their goals through implement thoughts and emotion.

☞ Day-2 (02/01/2021) AN 3.10 – 4.00 pm Session:

Dr. T. Shanthi, Associate Professor, Department of ECE, delivered a lively talk on **“Understanding harmony in the family”**. She discussed about joint family and the importance of joint family with lively examples. She explained about strength of family and how to maintain harmony in family.

She addressed that **“bonding of family members with their family members and surroundings”**. She explained the difference about nuclear family and joint family. Affection, care, Reverence, gratitude, love and guidance by senior family member only available in joint family. Finally she insisted to maintain good harmony with family to achieve many things in our carrier.

☞ Day-3 (09/01/2020) AN 1.45 – 2.45 pm Session:

Mr. R. Sundaramoorthy, Assistant Professor, Department of EEE, delivered a lecture on **“To ensure trust and respect human relationship”**. In his deliberations, he made out how to trust and respect with others through our behavior.

He insists how to develop our relationship with others through our respect and trust. He also explained about how to maintain good relationship with others trough good harmony with others. Finally he insists to have self confidence and how to face the problem and overcome the weakness to develop the personal skills.

Day -3 (09/01/2020) AN 3.10 – 4.00 pm Session:

Dr.K.sudhakar, Assistant Professor, Department of T&P, shared his views on steering one’s life to enviable heights by **“Understanding the difference between intention and competency”** in the right way. He inspired everyone through his speech, by giving lively examples about competency.

He remained so focused on the importance of **“self respect, living together, and natural acceptance”**. He explained about how to get self exploration. He explained in detail about the importance of engineering study and how to create new devices for the betterment of society. He differentiated the intension and competency through with lively examples. Finally he pointed out the requirements to make one happy.

☞ Day-4 (23/1/2020) AN 1.45 – 2.45 pm Session:

Mrs. S. Bhuvaneshwari, Assistant Professor, Department of CSE, elucidated on **“respect and differentiation in human relationship”** with chiseled words of choice. She explained why universal human values need for engineering students through the example of tragedy happened in Hiroshima and Nagasaki. She also explained about thalailama and his attitude towards harmony with others.

“She elaborated about the concept of who am I with examples of two legends like buddar and Ramakrishna parama hamsa”. **“She explained about achievement of abdulkalam and sachin tendulkar and she motivated the students to do.”**Finally she insisted everyone to respect all to maintain good relationship.

☞ Day-4 (23/11/2020) AN 3.10 – 4.00 pm Session:

Dt. B.Barankumar, Asst.Prof Department of T&P, lecture on **“Interconnectedness and fulfillment of nature, recyclability, and self regulation in nature!”** with a neat explanation about harmony. He given detail explanation about nature and recyclability.

He explained in detail about the importance fertility for cultivation. He elaborated the importance of proper usage of resource unless the nature gets deployed. Finally he narrated the mutual fulfillment of

interconnectedness, order of nature and fulfillment of order of nature and also he insisted about the effect of wastage of paper and fossil fuels.

☞ Day-5 (30/1/2020) 1.45 – 2.45 pm Session:

Mr. B.Sureshbabu, AP/ T&P, KCE on “competency in professional ethics” He explained the importance of ethical values of human, the importance of traditional practices of our ancestors and how effective it is to be felt by the young generations of today. He assured good conduct will help people to have amicable journey in life.

He also explained about competency and its types with lively examples. Competency improved by our behavior and attitude. And also he insisted to complete the task by our behavioral competency. He also insisted to allow others to grow with us it is good ethical values and competency.

☞ Day-5 (30/1/2020) AN 3.10 – 4.00 pm Session:

Dr. T. Pushparaj HoD/ MECH, KCE, had delivered on “Visualizing a universal harmonious order to society and undivided society”. He explained the harmonious order followed by our ancestor. He also explained about our traditional culture with examples.

He explained in detail about society and undivided society, and he insisted the importance of family relationship, responsibility, positive approach of parents. Finally he explained the importance of love by our beloved parents it is the moral support for the young children.

☞ Day-6 (16/2/2020) FN Session:

Dr.S.Sivakumar, Vice Principal, KCE, delivered lecture on “natural acceptance of human values”. He explained about natural acceptance in detail with give good examples. He pointed out how the eminent persons lived with harmony and natural acceptance.

He insisted, don't compare others and simply accept the situation it improves your behavior. He also explained in detail about the purpose of Education, the purpose of education is to keep others happy by helping others.

☞ Day-7 (8/3/2020) AN Session:

Dr.A.Albert Martin Ruban, HoD, Department of EEE, Delivered a lecture on “Holistic Perception of Harmony at all levels of existence”. Through his speech, he explained how to maintain harmony in all level of existence.

He guided the students, how to achieve in their field through implementing their ideas and goal. He also categories the human attitude based on some formulas. Finally he stressed the students to have a good harmony with all human beings.

Earlier, The entire sessions of Orientation Programme was organized well by UHV coordinator, Dr.S.Udayakumar, AP / Chemistry, and SIP Coordinator Dr.V.Sureshkumar, HoD / S & H. The programme was technically supported Mr. Niranjana and Mr. Ambalatharasu.

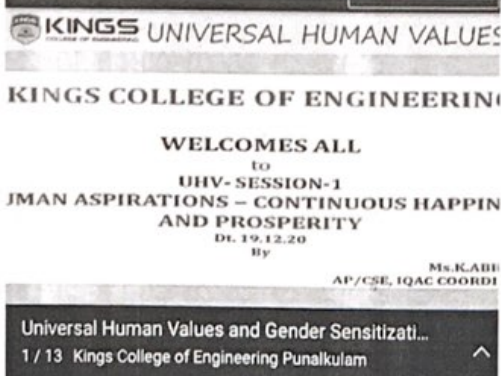
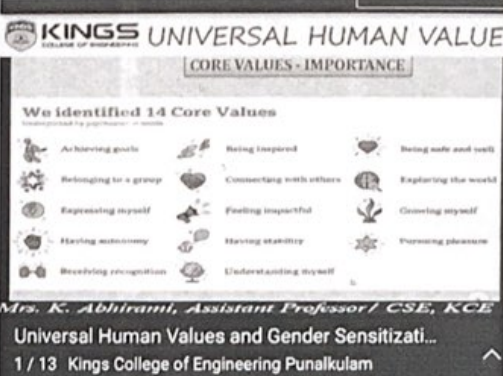
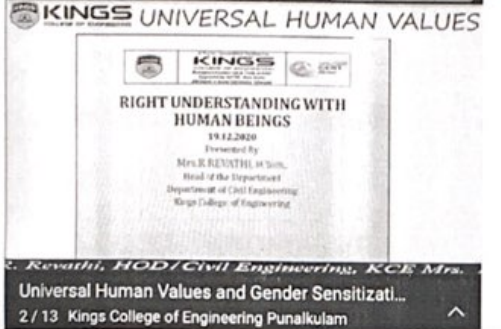

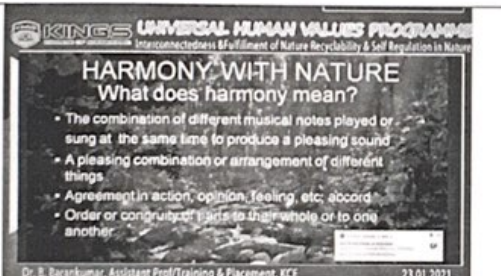
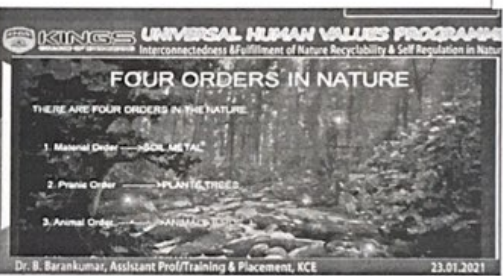
 21/4/2021
UHV Coordinator


 21/4/2021
SIP Coordinator

 21/4/2021
PRINCIPAL

Encl: Schedule

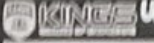
UHV Programme for the first year students (2020-2021 Batch)

 <p>KINGS COLLEGE OF ENGINEERING</p> <p style="text-align: center;">WELCOMES ALL to UHV-SESSION-1 HUMAN ASPIRATIONS – CONTINUOUS HAPPINESS AND PROSPERITY Dt. 19.12.20 By Ms. K. ABHIRAM AP/CSE, IQAC COORDINATOR</p> <p>Universal Human Values and Gender Sensitization... 1 / 13 Kings College of Engineering Punalkulam</p>	 <p>CORE VALUES - IMPORTANCE</p> <p>We identified 14 Core Values</p> <table border="0" style="width: 100%;"> <tr> <td>As having goals</td> <td>Being inspired</td> <td>Being safe and well</td> </tr> <tr> <td>Belonging to a group</td> <td>Connecting with others</td> <td>Exploring the world</td> </tr> <tr> <td>Expressing myself</td> <td>Feeling important</td> <td>Growing myself</td> </tr> <tr> <td>Having autonomy</td> <td>Having stability</td> <td>Turning pleasure</td> </tr> <tr> <td>Receiving recognition</td> <td>Understanding myself</td> <td></td> </tr> </table> <p>Mrs. K. Abhirami, Assistant Professor / CSE, KCE</p> <p>Universal Human Values and Gender Sensitization... 1 / 13 Kings College of Engineering Punalkulam</p>	As having goals	Being inspired	Being safe and well	Belonging to a group	Connecting with others	Exploring the world	Expressing myself	Feeling important	Growing myself	Having autonomy	Having stability	Turning pleasure	Receiving recognition	Understanding myself	
As having goals	Being inspired	Being safe and well														
Belonging to a group	Connecting with others	Exploring the world														
Expressing myself	Feeling important	Growing myself														
Having autonomy	Having stability	Turning pleasure														
Receiving recognition	Understanding myself															
 <p style="text-align: center;">RIGHT UNDERSTANDING WITH HUMAN BEINGS 19.12.2020 Presented By Mrs. R. REVATHI, M.Sc., Head of the Department Department of Civil Engineering Kings College of Engineering</p> <p>S. Revathi, HOD/Civil Engineering, KCE, Mrs.</p> <p>Universal Human Values and Gender Sensitization... 2 / 13 Kings College of Engineering Punalkulam</p>	 <p style="text-align: center;">RIGHT UNDERSTANDING WITH HUMAN BEINGS INTERPERSONAL SKILL 1 Be Smiling</p> <p style="text-align: center;">"Use your smile to change the world; don't let the world change your smile." – Chinese Proverb</p> <p>S. Revathi, Head of the Department, Civil Engineering</p> <p>Universal Human Values and Gender Sensitization... 2 / 13 Kings College of Engineering Punalkulam</p>															
 <p style="text-align: center;">HARMONY WITH NATURE What does harmony mean?</p> <ul style="list-style-type: none"> • The combination of different musical notes played or sung at the same time to produce a pleasing sound • A pleasing combination or arrangement of different things • Agreement in action, opinion, feeling, etc; accord • Order or congruity of parts to their whole or to one another <p>Dr. B. Barankumar, Assistant Prof/Training & Placement, KCE</p> <p>UHV Programme - Interconnectedness & Fulfillment of Nature Recyclability & Self Regulation in Nature</p>	 <p style="text-align: center;">FOUR ORDERS IN NATURE</p> <p>THERE ARE FOUR ORDERS IN THE NATURE</p> <ol style="list-style-type: none"> 1. Material Order ———> SOIL, METAL 2. Prime Order ———> PLANTS, TREES 3. Animal Order ———> ANIMALS <p>Dr. B. Barankumar, Assistant Prof/Training & Placement, KCE</p> <p>UHV Programme - Interconnectedness & Fulfillment of Nature Recyclability & Self Regulation in Nature</p>															


UNIVERSAL HUMAN VALUES PROGRAM
Visualizing a Universal Harmonious Order in Society - Undivided Society


Visualizing a Universal Harmonious order in Society-Individual Society

By
Dr.T.Pushparsi
HOD/ Mech
Kings College of Engineering
Punakulam


UNIVERSAL HUMAN VALUES PROGRAM
Visualizing a Universal Harmonious Order in Society - Undivided Society

Basic Human Aspiration

- Every human being aspires for a way of life which ensures happiness for all human beings living in harmony with nature.
- At an individual level, happiness is harmony and integration among all four dimensions within the self - Thought, Behaviour, Work and Realization.
- At the level of society, individuals aspire to ensure harmony and integration among four levels - Individual, Family, Society and Nature.



UNIVERSAL HUMAN VALUES PROGRAM
Visualizing a Universal Harmonious Order in Society - Undivided Society

Respect and Differentiation in Human Relationship


UNIVERSAL HUMAN VALUES
(Respect & Differentiation in Human Relationship)

Presented by,
S.Puvaneswari AP/ CSE
23.01.2021

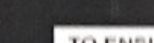
Mrs. S. Puvaneswari, Assistant Prof/Computer Science and Engineering, KCE 23.01.2021


UNIVERSAL HUMAN VALUES PROGRAM
Visualizing a Universal Harmonious Order in Society - Undivided Society


WHY WE NEED HUMAN VALUES



Mrs. S. Puvaneswari, Assistant Prof/Computer Science and Engineering, KCE 23.01.2021


UNIVERSAL HUMAN VALUES PROGRAM
Visualizing a Universal Harmonious Order in Society - Undivided Society

TO ENSURE TRUST AND RESPECT IN HUMAN RELATIONSHIP



Presented by
R.SUNDARAMOORTHILAP/EEE
KINGS COLLEGE OF ENGINEERING

Universal Human Values and Gender Sensitizati...
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HUMAN VALUES - a glance

HUMAN VALUES:
These are the virtues that guide us to take into account the human element when we interact with other human beings.

Examples of Human Values:
Respect, Acceptance, Consideration(Concern), Appreciation, Listening, Openness(Honest), Affection(Friendly), Empathy and Love towards other Human Beings.

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UNIVERSAL HUMAN VALUES PROGRAM

02.01.2021



- ✓ The most important thing in the world is family and love.
- ✓ You don't choose your family. They are God's gift to you, as you are to them.
- ✓ The strength of a family, like the strength of an army, lies in its loyalty to each other.
- ✓ It didn't matter how big our house was; it mattered that there was love in it.
- ✓ A happy family is but an earlier heaven.


Mrs. T. Shanthi, Associate Professor/ECE, Kings College of Engineering

Universal Human Values and Gender Sensitization...

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KINGS UNIVERSITY HUMAN VALUES PROGRAMME
02.01.2021


UNDERSTANDING THE NEEDS OF SELF AND BODY
02.01.2021

 **Mrs. P. Mangalyarkarasi, AMETE**
HOD-EC
Kings College of Engineering

Mrs. N. Mangalyarkarasi, HOD/ECE, Kings College of Engineering

Universal Human Values and Gender Sensitizati...

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UNIVERSAL HUMAN VALUES PROGRAM

02.01.2021

QUESTION

1. *How you give vision goals/idea?*
2. *How you give vision to the staff who is given your vision each day? (method/technique or any type)*
3. *How you find out which team/department is doing the work each day?*
4. *How you know if your work is working?*
5. *How you plan to work each week to work to win your team/department?*
6. *How you maintain work to be successful and transparent. What is frequent check report?*

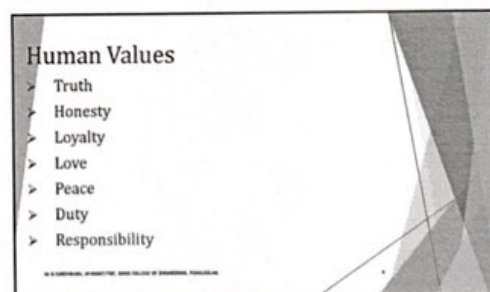
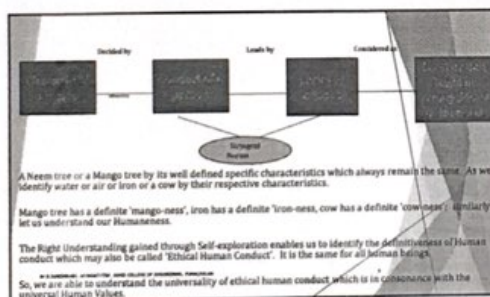
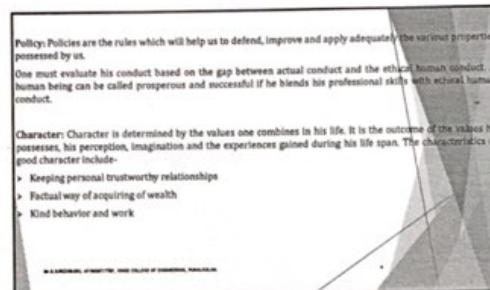
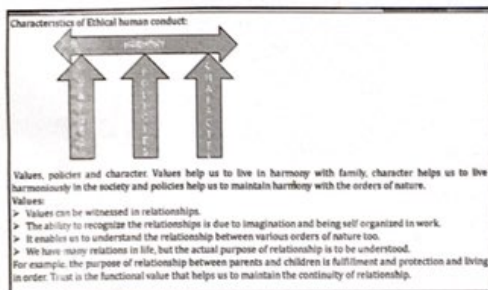
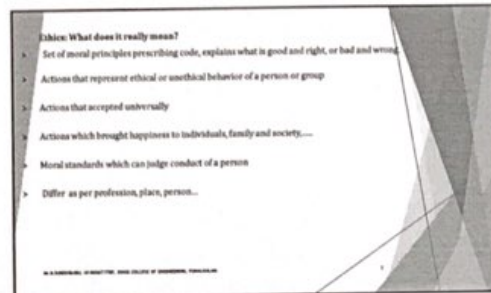
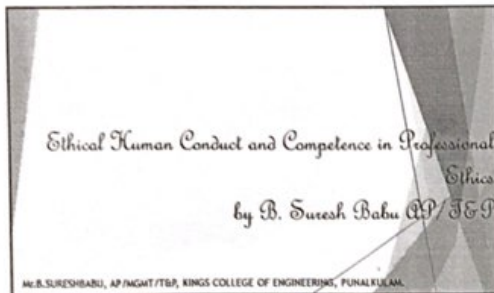
ANSWER

1. *How you get work to be efficient because it change a night?*
2. *How you thinking of how you give vision of vision a day?*
3. *How you find out which team/department is doing the work each day?*
4. *How you know if your work is working? You can see the work, your strategy, and goal?*
5. *How you plan to work each week to work to win your team/department?*
6. *How you know if your work is working? You can see the work, your strategy, and goal?*

Mrs. N. Mangalyarkarasi, HOD/ECE, Kings College of Engineering

Universal Human Values and Gender Sensitization...

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Sources of Ethics and values

- Books
- Thoughts
- Reflections
- Introspections
- Ideals

IN A UNIVERSITY, IT IS THE FIRST STEP TO BEING COLLECTED TO BEING A PROFESSIONAL, MANAGERIAL

Competency in Professional Ethics

- **We are responsible for our own destiny:** Young professionals must be honest, responsible and respectable towards self and the role.
- **Enriching fundamentals:** It is important to incessantly renew conceptual knowledge base. Subject matter understanding is an essential element of professional triumph. Nothing can beat knowledge.
- **Plan - Prepare - Participate:** Do not be casual in professional life, every interaction is important and one has to be prepared well in advance to remain abreast. Any winning endeavor will require prioritizing, meticulous planning, and cautious preparation. Hence one needs to follow definite work discipline. At work place planning and preparations are an integral part of professional life. Elaborate preparation makes actual task much easier. Preparation and rehearsal will sharpen the edges. This can be a unique differentiating excellence in ones personality.
- **Positivity in thoughts:** Believe in purity and positivity of thoughts. Thoughts drive our actions. Our behavior is largely governed by our beliefs and thoughts.
- **Do not run around to get spotted:** Deliver every work with commitment and do the hard work, definitely You will get noticed.



IN A UNIVERSITY, IT IS THE FIRST STEP TO BEING COLLECTED TO BEING A PROFESSIONAL, MANAGERIAL

Here are five loyalty skills--and ways to improve proficiency

1. **Support/assistance:** Help a peer do a better job, struggle less, learn a new skill, impress the boss, or gain new respect with clients and coworkers.
2. **Giving time/attention:** Do take an interest in the workplace challenges and projects of peer group. Ask questions, listen well, and take the time to pay attention to the concerns of coworkers. Show empathy, and demonstrate that you understand their issues and really "get" their point of view.
3. **Recognition/encouragement:** Give sincere compliments to coworkers when they've done an excellent job on a task, or when they demonstrate superior skills, say, while leading a meeting or doing presentations and cheering them on.
4. **Self-sacrifice/commitment:** Offer to stay late, or help in tough tasks of your coworkers. Stand up for a view point that may be controversial at work place and put yourself for them.
5. **Reliability/trust:** Exhibit consistency and competency which will improve the reliability of the company and trust will help reach career goals.

IN A UNIVERSITY, IT IS THE FIRST STEP TO BEING COLLECTED TO BEING A PROFESSIONAL, MANAGERIAL


TO ENSURE TRUST AND RESPECT IN HUMAN RELATIONSHIP

Presented by
R.SUNDARAMOORTHY, AP/EEE
KINGS COLLEGE OF ENGINEERING

CONTENTS

- Introduction
- Harmony in the family
- Feelings in Relationship
- Respect
- Trust
- Activity- I
- Trust & Respect Evaluation
- Activity- II
- Conclusion



INTRODUCTION

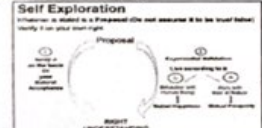
Basic Human Aspiration
Continuous Happiness and Prosperity

Happiness is to be in Harmony

Program for Fulfilment of Human Aspiration
Understanding Harmony and Living in Harmony at all Levels

Harmony in the Human's Being
 ✓ **Harmony in the Family**
 ✓ Harmony in the Society
 ✓ Harmony in Nature-Environment

Process of Understanding
Self Exploration
 Understand a related to a Proposed (do not assume it to be true) before
 verify it on your own right



What is my
role (value) in
the family?

Harmony in the Family

1. Relationship is – between one self (I_1) and other self (I_2)
2. There are feelings in relationship – in one self (I_1) for other self (I_2)
3. These feelings can be recognized – they are definite (9 Feelings)
4. Their fulfilment, evaluation leads to mutual happiness

Feelings in relationship:

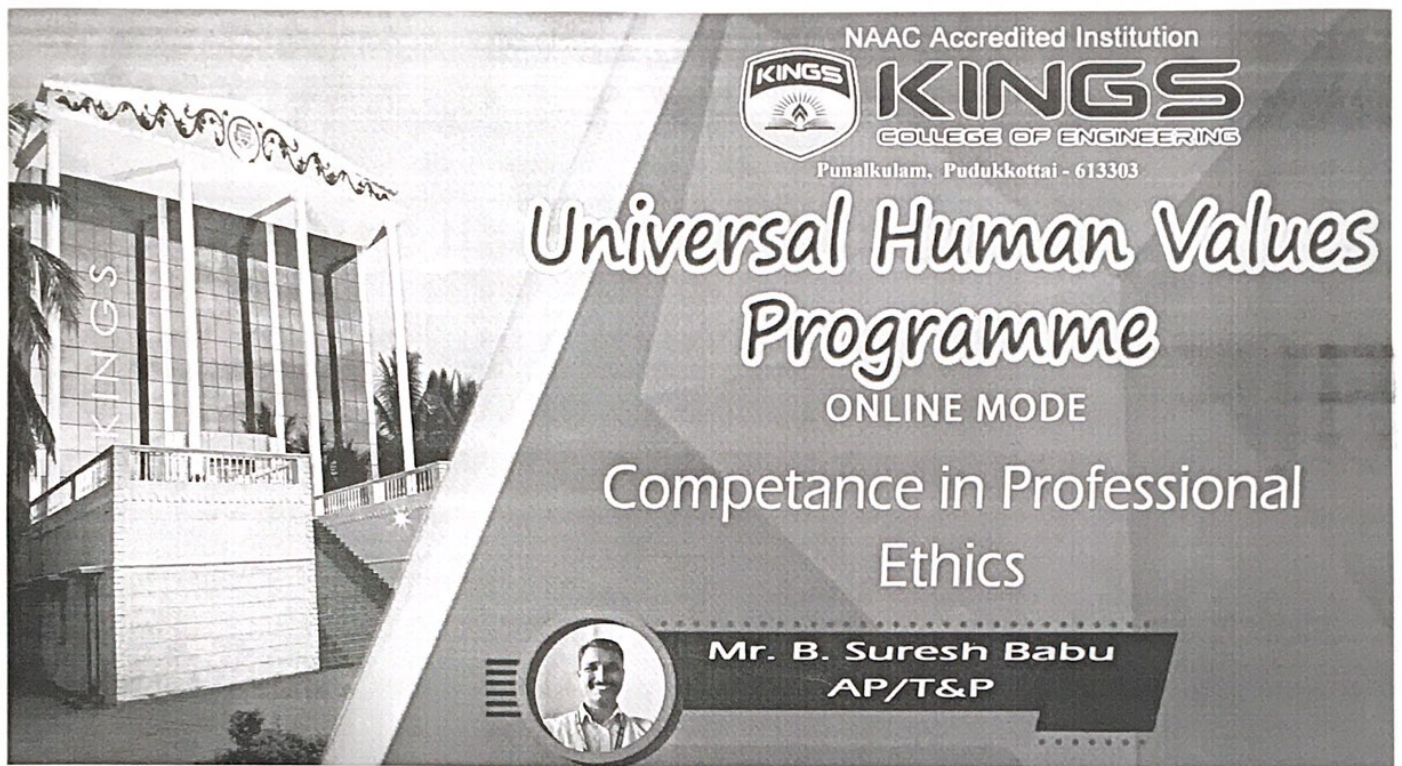
1. Trust (Foundation value)
2. Respect
3. Affection
4. Care
5. Guidance
6. Reverence
7. Glory
8. Gratitude
9. Love (Complete value)

Respect


- Respect = Right Evaluation
- Whenever the evaluation is not right, it is disrespect
- Over evaluation – to evaluate for more than what it is
- Under evaluation – to evaluate for less than what it is
- Otherwise evaluation – to evaluate for other than what it is

}

Disrespect



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Punalkulam, Pudukkottai - 613303

Universal Human Values Programme


ONLINE MODE

Competance in Professional Ethics

 **Mr. B. Suresh Babu**
AP/T&P



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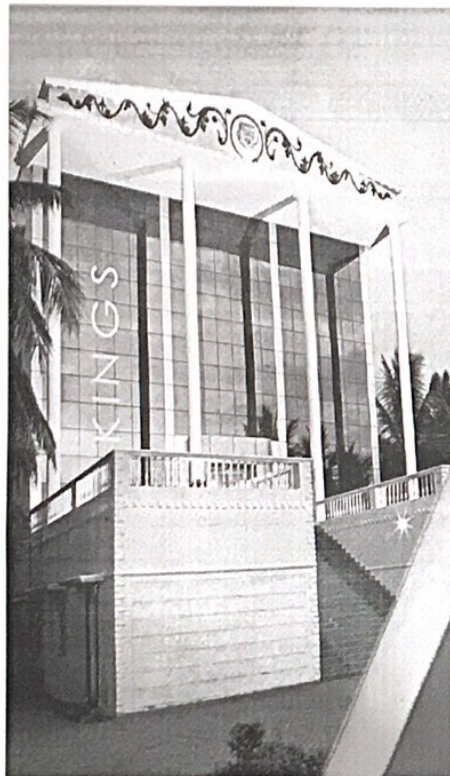
Punalkulam, Pudukkottai - 613303

Universal Human Values Programme


ONLINE MODE

Visualizing a Universal Harmonious
Order in Society - undivided Society

 **Mr. T. Pushparaj**
AP/T&P



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Punalkulam, Pudukkottai - 613303

Universal Human Values Programme


ONLINE MODE

Natural Acceptance of Human Values

 **Dr. S. Sivakumar**
Professor/EEE



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Punalkulam, Pudukkottai - 613303

Universal Human Values Programme

ONLINE MODE

Holistic Perception of Harmony
at all Levels of Existence

 **Dr. A. Albert Martin Ruban**
Professor/EEE

A NAAC Accredited Institution



KINGS
COLLEGE OF ENGINEERING

Recognized under 2(f) & 12(B) of UGC

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai Dist. - 613 303.

Certificate

This is to certify that Mr. /Ms. Lavanya J of
I Year Computer Science Engineering
has actively participated in the programme on Universal Human Values
between 10.11.2020 and 04.03.2021, organized by UHV Cell, Kings
College of Engineering, Punalkulam.

COORDINATOR-UHV

CONVENER

PRINCIPAL

E-certificate signature is not required



Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai Dist. - 613 303.

Certificate

This is to certify that Mr. /Ms. Sriramkumar M C of
I Year Computer Science Engineering

has actively participated in the programme on Universal Human Values
between 10.11.2020 and 04.03.2021, organized by UHV Cell, Kings
College of Engineering, Punalkulam.

COORDINATOR-UHV

CONVENER

PRINCIPAL

E-certificate signature is not required



Department of Science and Humanities

Universal Human Values (UHV)

Students Induction Programme (SIP)

Academic Year 2019-2020

UHV Module I



Department of Science and Humanities
Academic Year 2019-2020
ODD SEM

Date	Date / Session	Title of the Programme	Name of the Resource person
1.	07.08.2019 / FN	Programme on Scope and Opportunities for Engineers	Dr.S.Sivakumar, Vice Principal Kings college of Engineering
2.	08.08.2019 / FN	Communication and Presentation Skills (Audio –video based)	Dr.R.Senguttuvan, and Mrs.C. Jancirani / Dept. of English
3.	09.08.2019 / FN	Lecture on Train your brain	Dr.B.Balamurugan, H.H.The Rajah's College Pudukottai,
4.	13.08.2019 / FN	computing skills	Mrs.R.Suganthalakshmi and Mrs.P.Puvaneswari, AP /CSE

EVEN SEM

Date	Date / Session	Title of the Programme	Name of the Resource person
1.	25.01.2020/ AN	Understanding the needs of self and body	Mrs.N.Mangayarkarsi AP/ECE, KCE
2.	08.02.2020/ AN	Understanding harmony in the family	Dr.T.Shanthi, AP/ECE, KCE
3.	14.03.2020/ AN	Natural acceptance of Human Values	Dr.S.Sivakumar, Vice Principal, KCE
4.	04.04.2020/ AN	Holistic perception of harmony at all levels of existence	Dr.A.AlbertMarteinRubanHoD/EEE, KCE



UHV Programme

Platform: Offline

Agenda

Session /Time	Activity	
AN 9.30 -4.30 pm Scheduled days	Invocation Song	
	Welcome Address	Dr.S.Udayakumar UHV Coordinator
	Resource person	Dr.S.Sivakumar, Vice Principal Kings college of Engineering
		Dr.R.Senguttuvan, and Mrs.C. Jancirani / Dept. of English
		Dr.B.Balamurugan, H.H.The Rajah's College Pudukottai,
		Mrs.R.Suganthalakshmi and Mrs.P.Puvaneswari, AP /CSE
	Vote of Thanks	Dr.S.Udayakumar UHV Coordinator
	National Anthem	



UHV Programme

Platform: Google Meet

Agenda

Session /Time	Activity	
AN 1.30 -4.30 pm Scheduled days	Invocation Song	
	Welcome Address	Dr.S.Udayakumar UHV Coordinator
	Resource person	Mrs.N.Mangayarkarsi AP/ECE, KCE
		Dr.T.Shanthi, AP/ECE, KCE
		Dr.S.Sivakumar, Vice Principal, KCE
		Dr.A.AlbertMarteinRubanHoD/ EEE, KCE
	Vote of Thanks	Dr.S.Udayakumar UHV Coordinator
	National Anthem	



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Punalkulam, Pudukkottai - 613303

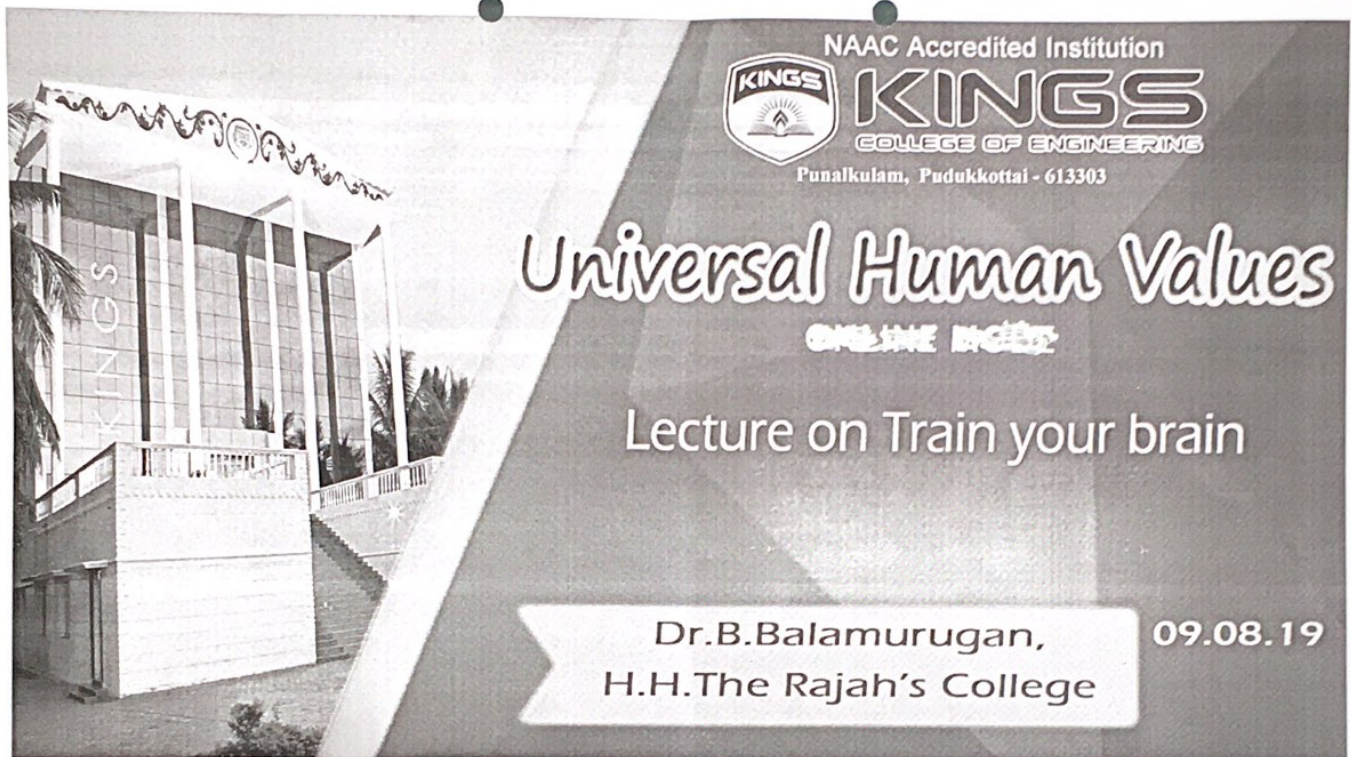
Universal Human Values

~~Second Year~~


Communication and Presentation
Skills (Audio – Video based)

Dr.R.Senguttuvan/ English 08.08.19

Mrs.C. Jancirani / English



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COLLEGE OF ENGINEERING
Punalkulam, Pudukkottai - 613303

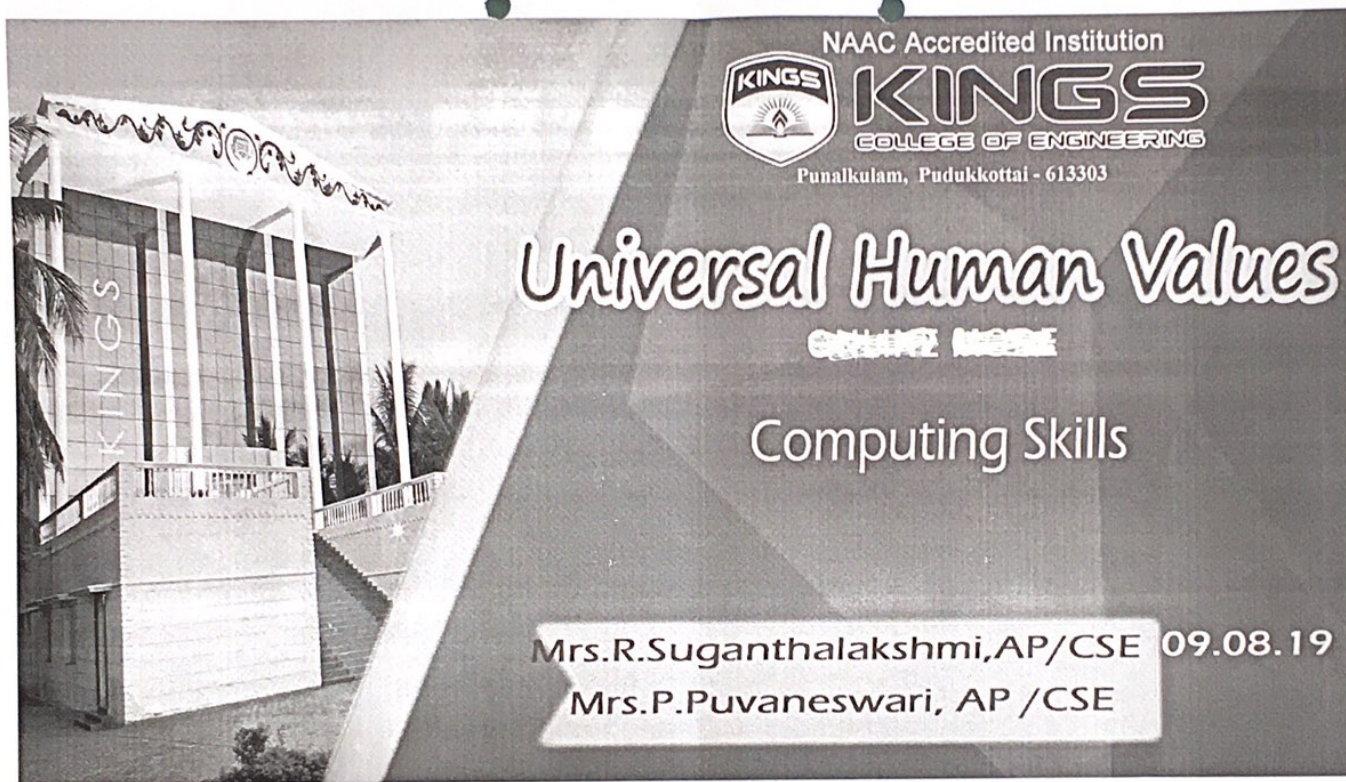
Universal Human Values

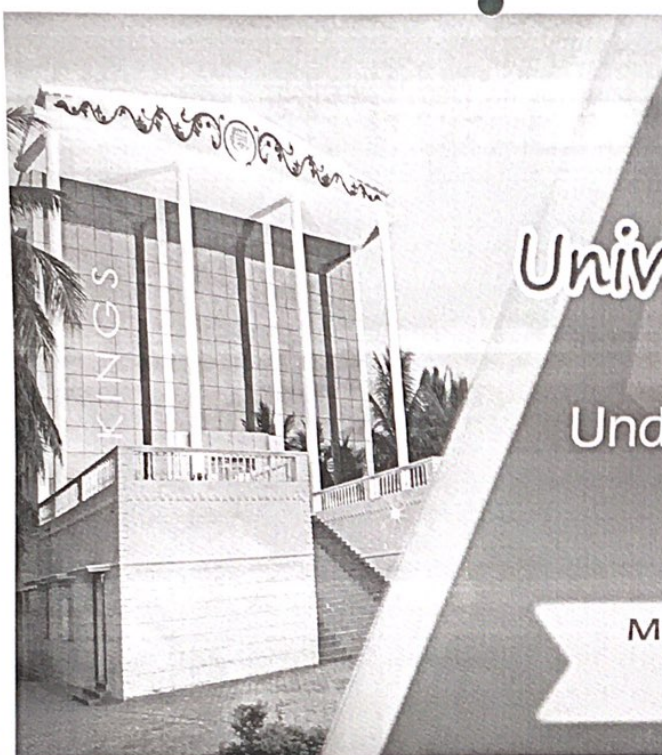
ONLINE MODE

Lecture on Train your brain


Dr.B.Balamurugan,
H.H.The Rajah's College

09.08.19





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Punalkulam, Pudukkottai - 613303

Universal Human Values

~~ONLINE MODE~~
ONLINE MODE

Understanding the needs of self
and body

Mrs.N.Mangayarkarsi 25.01.20
AP/ECE, KCE



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COLLEGE OF ENGINEERING

Punalkulam, Pudukkottai - 613303


Universal Human Values

ONLINE MODE


Understanding harmony in the
family

Dr.T.Shanthi,
AP/ECE, KCE

08.02.20



NAAC Accredited Institution

 **KINGS**
COLLEGE OF ENGINEERING

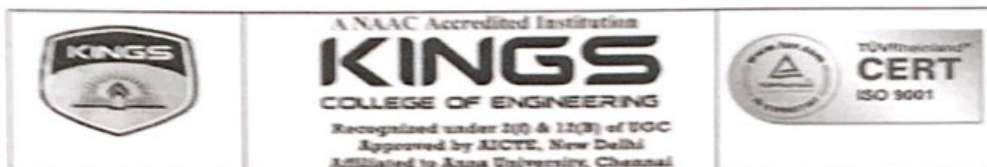
Punalkulam, Pudukkottai - 613303

Universal Human Values

ONLINE MODE

Holistic perception of harmony at
all levels of existence

Dr.A.AlbertMarteinRuban 04.04.20
HoD/ EEE, KCE



Department of Science and Humanities
 Academic Year 2019-2020
 ODD SEM
 Universal Human Values (UHV)
 Students Induction Programme (SIP)

Communication and Presentation Skills (Audio -video based)

UHV Cell of our college, was organized a programme on "Communication and Presentation Skills" at our college on 08.08.2019. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, AP/III/ Chemistry. Programme started with literary Activity, Communication and Presentation Skills (Audio -video based) Presentation by Dr.R.Senguttuvan, and Mrs.C. Jancirani / Dept. of English . Students were trained how to develop communication skills. Entry level analysis was made by Mrs.K.Abhirami /IQAC coordinator and Mrs.R.Sugantha Lakshmi/AP, CSE. Every Student was allotted a personal computer and they feed their details in the entry level excel sheet.



Dr.R.Senguttuvan delivering talk on how to develop communication skills.



Students at Entry level analysis

[Signature]
UHV Coordinator
8/8/19

[Signature]
SIP Coordinator

[Signature]
8/8/2019
PRINCIPAL



Department of Science and Humanities
Academic Year 2019-2020
ODD SEM
Universal Human Values (UHV)
Students Induction Programme (SIP)
Lecture on Train your brain

UHV Cell of our college, was organized a programme on “**Lecture on Train your brain**” at our college on 09.08.2019. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, AP/III/ Chemistry. Dr.B.Balamurugan, from H.H.The Rajah’s College Pudukottai, has delivered an interactive lecture under the title ‘**Train your Brain**’. In his lecture he gave various examples of how to train your brain. He also shows various videos about the life skills and innovative ideas to develop thinking. All the first year students have actively participated and enjoyed the session.



Dr.R.Rajendran, Secretary honoring the chief guest Dr.B.Balamurugan.



Dr.B.Balamurugan interacting with students and presenting innovative ideas to develop thinking.

[Signature]
UHV Coordinator
9/8/19

[Signature]
SIP Coordinator

[Signature]
9/8/2019.
PRINCIPAL



Department of Science and Humanities
Academic Year 2019-2020
ODD SEM
Universal Human Values (UHV)
Students Induction Programme (SIP)

Computing skills

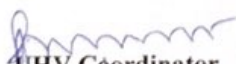
UHV Cell of our college, was organized a programme on “Computing skills” at our college on 13.08.2019. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, AP/III/ Chemistry. In this session Mrs.R.Suganthalakshmi and Mrs.P.Puvaneswari, AP /CSE gave ideas about basic computing skills. They trained the students in MS Word, Excel and Browsing skills. Students were very eager towards learning computing skills. They also gave ideas about how to work in multimedia networks, photo shop and web designing.



Mrs.R.Suganthalakshmi -AP/CSE at CSE-lab



Students participation


 UHV Coordinator
 13/8/19


 SIP Coordinator
 13/8/19


 13/8/2019.
 PRINCIPAL

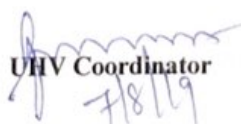


Department of Science and Humanities
Academic Year 2019-2020
ODD SEM
Universal Human Values (UHV)
Students Induction Programme (SIP)
Programme on Scope and Opportunities for Engineers

UHV Cell of our college, was organized a programme on “**Programme on Scope and Opportunities for Engineers**” at our college on 07.08.2019. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, APIII/ Chemistry. Dr.S.Sivakumar, Vice Principal acted as a Resource person and he listed out the various scope and opportunities in Engineering field. He also explained in detail about what are unique opportunities of the specific domain and also narrated the expectation of companies in the respective domain. Many of our students attended and clarified their doubts in the session.



Dr.S.Sivakumar, Vice Principal giving lecture on scope and opportunities for Engineers


 UHV Coordinator
 7/8/19


 SIP Coordinator
 7/8/19


 PRINCIPAL
 7/8/2019



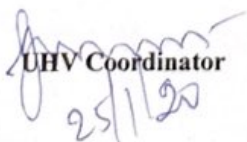
Department of Science and Humanities
Academic Year 2019-2020
EVEN SEM

Universal Human Values (UHV)
Students Induction Programme (SIP)

Understanding the needs of self and body

UHV Cell of our college, was organized a programme on **“Understanding the needs of self and body”** at our college on 25.01.2020. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, APIII/ Chemistry. The resource person of the program **Mrs.N.Mangayarkarasi**, HoD i/c, Dept.of ECE, Kings College of Engineering delivered a Lecture on **“Understanding the needs of self and body”**. She started with the word “intelligence and Character is the goal of true education”. She has given tips to take care about body and self with good examples.

She explained in detail how to break the barrier of mind activities come from outside. She insists to realize our behavior through get feedback from others to rectify ourselves. Enthusiasm, confidence level, demonstrates and care will be taken to strength our body and self. Finally she motivated the students to achieve their goals through implement thoughts and emotion.


 UHV Coordinator
 25/1/20


 SIP Coordinator


 PRINCIPAL
 25/1/2020



Department of Science and Humanities

Academic Year 2019-2020

EVEN SEM

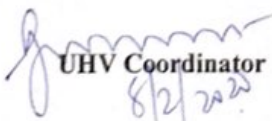
Universal Human Values (UHV)

Students Induction Programme (SIP)


Understanding harmony in the family

UHV Cell of our college, was organized a programme on **"Understanding harmony in the family"** at our college on 08.02.2020. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, APIII/ Chemistry. The resource person of the program **Dr. T. Shanthi**, Associate Professor, Department of ECE, delivered a lively talk on **"Understanding harmony in the family"**. She discussed about joint family and the importance of joint family with lively examples. She explained about strength of family and how to maintain harmony in family.

She addressed that **"bonding of family members with their family members and surroundings"**. She explained the difference about nuclear family and joint family. Affection, care, Reverence, gratitude, love and guidance by senior family member only available in joint family. Finally she insisted to maintain good harmony with family to achieve many things in our carrier.


UHV Coordinator
8/2/2020


SIP Coordinator


PRINCIPAL

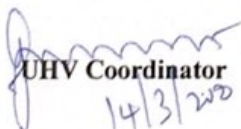


Department of Science and Humanities
Academic Year 2019-2020
EVEN SEM
Universal Human Values (UHV)
Students Induction Programme (SIP)


Natural acceptance of Human Values

UHV Cell of our college, was organized a programme on “Natural acceptance of Human Values” at our college on 14.03.2020. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, AP/III/ Chemistry. The resource person of the program Dr.S.Sivakumar, Vice Principal, KCE, delivered lecture on “natural acceptance of human values”. He explained about natural acceptance in detail with give good examples. He pointed out how the eminent persons lived with harmony and natural acceptance.

He insisted, don't compare others and simply accept the situation it improves your behavior. He also explained in detail about the purpose of Education, the purpose of education is to keep others happy by helping others.


 UHV Coordinator
 14/3/2020


 SIP Coordinator


 14/3/2020
 PRINCIPAL



Department of Science and Humanities
Academic Year 2019-2020
EVEN SEM
Universal Human Values (UHV)
Students Induction Programme (SIP)

Holistic perception of harmony at all levels of existence


UHV Cell of our college, was organized a programme on **"Holistic perception of harmony at all levels of existence"** at our college on 04.04.2020. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, AP/III/ Chemistry. The resource person of the program Dr.A.Albert Martin Ruban, HoD, Department of EEE, Delivered a lecture on "Holistic Perception of Harmony at all levels of existence". Through his speech, he explained how to maintain harmony in all level of existence.

He guided the students, how to achieve in their field through implementing their ideas and goal.

He also categories the human attitude based on some formulas. Finally he stressed the students to have a good harmony with all human beings.


 UHV Coordinator
 4/4/2020


 SIP Coordinator


 04/4/2020
 PRINCIPAL

UHV Programme for the first year students (2019-2020 Batch)

<p>KINGS UNIVERSAL HUMAN VALUES PROGRAMME 02.01.2021</p> <p>UNDERSTANDING HARMONY OF THE FAMILY 02.01.21</p> <p>Dr. T. Shanthi, Assoc. Prof./ECE Project Officer Kings College of Engineering</p> <p>Mrs. T. Shanthi, Associate Professor/ECE, Kings College of Engineering Universal Human Values and Gender Sensitization... 4 / 13 Kings College of Engineering Punakulam</p>	<p>KINGS UNIVERSAL HUMAN VALUES PROGRAMME 02.01.2021</p> <p>UNDERSTANDING THE NEEDS OF SELF AND BODY 02.01.2021</p> <p>Mrs. N. Mangalyarkasi, HOD/ECE Kings College of Engineering</p> <p>Mrs. N. Mangalyarkasi, HOD/ECE, Kings College of Engineering Universal Human Values and Gender Sensitization... 3 / 13 Kings College of Engineering Punakulam</p>
<p>KINGS UNIVERSAL HUMAN VALUES PROGRAMME Natural Acceptance of Human Values</p> <p>Do you know? ON 18TH FEB 1979, IT SNOWED IN SAHARA DESERT FOR 30 MINUTES.</p> <p>Dr. S. Sivakumar, Professor/ECE, Kings College of Engineering</p>	<p>KINGS UNIVERSAL HUMAN VALUES PROGRAMME Natural Acceptance of Human Values</p> <p>NATURAL ACCEPTANCE OF HUMAN VALUES</p> <p>Dr. S. Sivakumar, Vice Principal, KINGS COLLEGE OF ENGINEERING, PUNAKULAM</p> <p>Dr. S. Sivakumar, Professor/ECE, Kings College of Engineering</p>
<p>UHV - Natural Acceptance of Human Values</p> <p>KINGS UNIVERSAL HUMAN VALUES PROGRAMME Holistic Perception of Harmony at all Levels of Existence</p> <p>HOLISTIC PERCEPTION OF HARMONY AT ALL LEVELS OF EXISTENCE</p> <p>Dr. A. Albert Martin Babin, HOD / ECE</p> <p>Dr. A. Albert Martin Babin, HOD / ECE, Kings College of Engineering</p>	<p>UHV - Natural Acceptance of Human Values</p> <p>KINGS UNIVERSAL HUMAN VALUES PROGRAMME Holistic Perception of Harmony at all Levels of Existence</p> <p>HOLISTIC PERCEPTION OF HARMONY AT ALL LEVELS OF EXISTENCE</p> <p>Dr. A. Albert Martin Babin, HOD / ECE</p> <p>Dr. A. Albert Martin Babin, HOD / ECE, Kings College of Engineering</p>

ANAAC Accredited Institution



KINGS
COLLEGE OF ENGINEERING

Recognized under 2(f) & 12(B) of UGC

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai Dist. - 613 303.

Certificate

This is to certify that Mr. /Ms. _____ **Gunal P** _____ of
_____ **I Year Mechanical Engineering** _____
has actively participated in the programme on **Universal Human Values**
between **07.08.2019** and **04.04.2020**, organized by **UHV Cell, Kings**
College of Engineering, Punalkulam.

COORDINATOR-UHV

CONVENER

PRINCIPAL

E-certificate signature is not required

A NAAC Accredited Institution



KINGS
COLLEGE OF ENGINEERING

Recognized under 2(f) & 12(B) of UGC

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai Dist. - 613 303.

Certificate

This is to certify that Mr. /Ms. Purushothaman S of
I Year Mechanical Engineering
has actively participated in the programme on Universal Human Values
between 07.08.2019 and 04.04.2020, organized by UHV Cell, Kings
College of Engineering, Punalkulam.

COORDINATOR-UHV

CONVENER

PRINCIPAL

E-certificate signature is not required



Department of Science and Humanities

Universal Human Values (UHV)

Students Induction Programme (SIP)

Academic Year 2018-2019

UHV Module I




Department of Science and Humanities
Academic Year 2018-2019
ODD SEM


Date	Day / Session	Title of the Programme	Name of the Resource person
1.	15.09.18 / AN	Basic concepts of Value Education and Self Exploration about Natural Acceptance.	Dr. S. Sivakumar, Vice Principal, KCE
2.	06.10.18/ AN	Understanding happiness and prosperity- Current Scenario	Dr. S. Francis Annuncia, Motivational speaker, Thanjavur.
3.	10.11.18/ AN	How to improve self confident	Mr.B.Sureshbabu, AP/T&P. KCE
4.	15.12.18/ AN	Motivational Talk	Dr.V.Suresh Kumar HoD / S&H

EVEN SEMESTER

Date	Day / Session	Title of the Programme	Name of the Resource person
1.	19.01.19// AN	Human Aspirations – Continuous happiness and Prosperity	Mrs.K.Abhirami, AP/CSE, KCE
2.	09.02.19/ AN	Right Understanding with Human Beings	Mrs.R.Revathi, HoD/CIVIL, KCE
3.	16.03.19/ AN	To ensure Trust and Respect in human relationship	Mr.R.Sundaramoorthy, AP/EEE, KCE
4.	13.04.19/ AN	Understanding the difference between intention and competency	Dr.K.Sudhakar, AP/T&P. KCE



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COLLEGE OF ENGINEERING

Punalkulam, Pudukkottai - 613303


Universal Human Values

ONLINE MODE


Programme on Scope and
Opportunities for Engineers

Dr.S.Sivakumar,
Vice Principal, KCE

07.08.19



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COLLEGE OF ENGINEERING

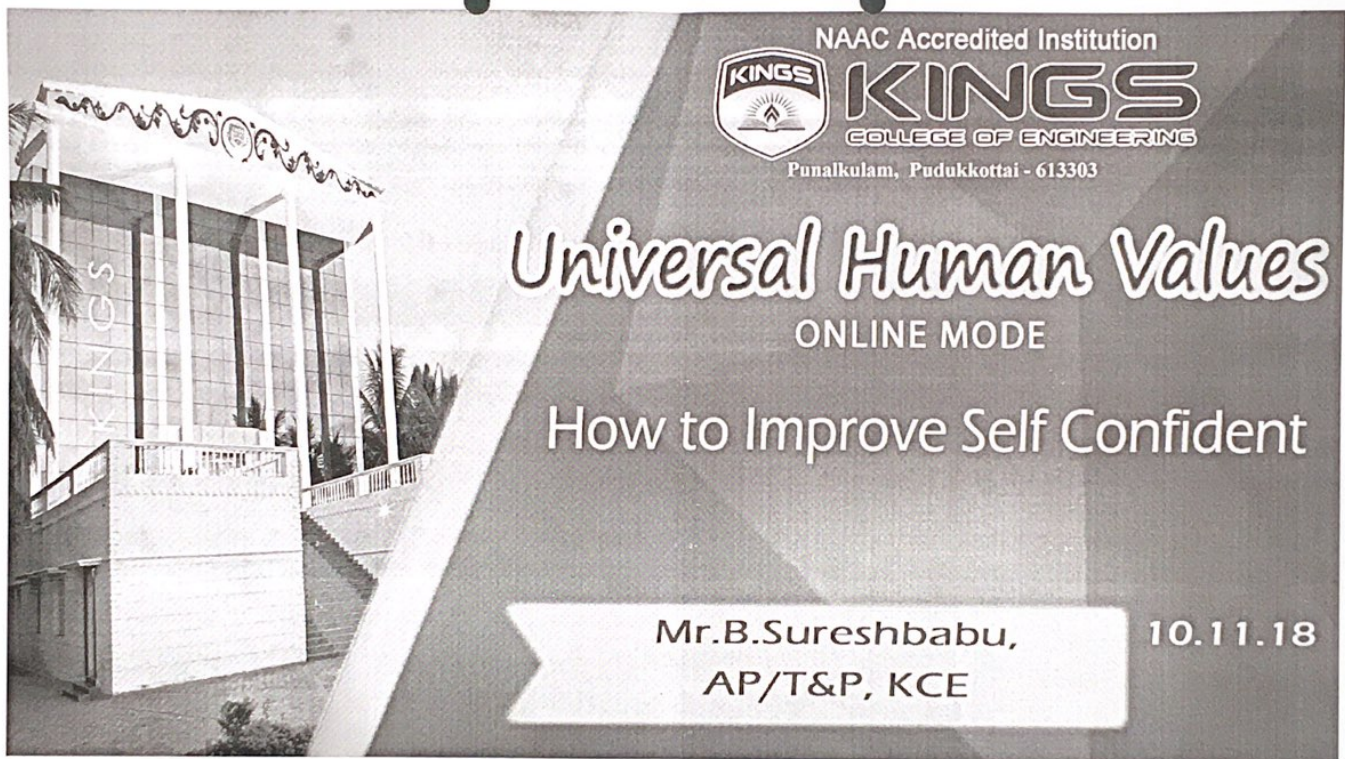
Punalkulam, Pudukkottai - 613303

Universal Human Values

ONLINE MODE

Understanding happiness and
prosperity- Current Scenario

Dr. S. Francis Annuncia, 06.10.18
Motivational speaker,



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KINGS
COLLEGE OF ENGINEERING

Punalkulam, Pudukkottai - 613303

Universal Human Values

ONLINE MODE

How to Improve Self Confident

Mr.B.Sureshbabu,
AP/T&P, KCE

10.11.18



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COLLEGE OF ENGINEERING

Punalkulam, Pudukkottai - 613303

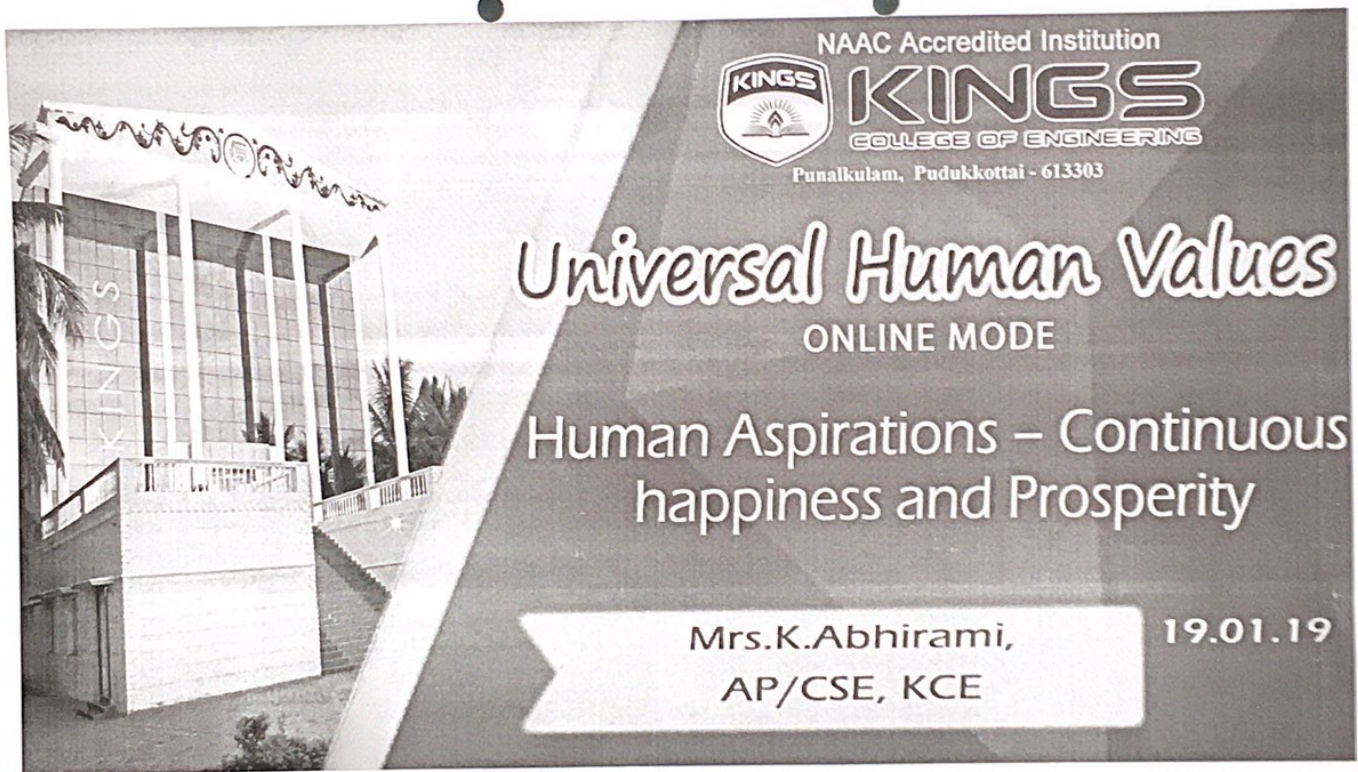
Universal Human Values

ONLINE MODE

Motivational Talk

Dr.V.Suresh Kumar
HoD / S&H

15.12.18



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COLLEGE OF ENGINEERING

Punalkulam, Pudukkottai - 613303

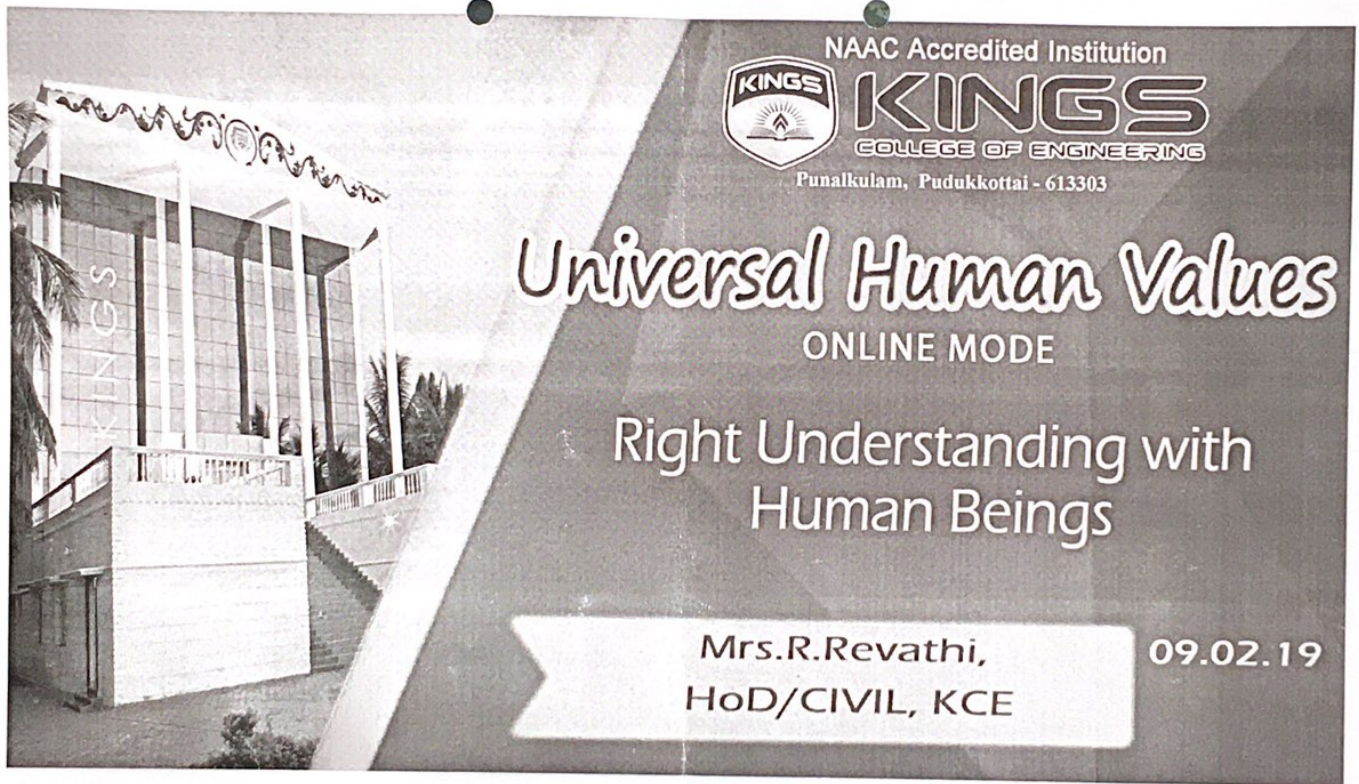
Universal Human Values

ONLINE MODE

Human Aspirations – Continuous happiness and Prosperity

Mrs.K.Abhirami,
AP/CSE, KCE

19.01.19



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COLLEGE OF ENGINEERING
Punalkulam, Pudukkottai - 613303

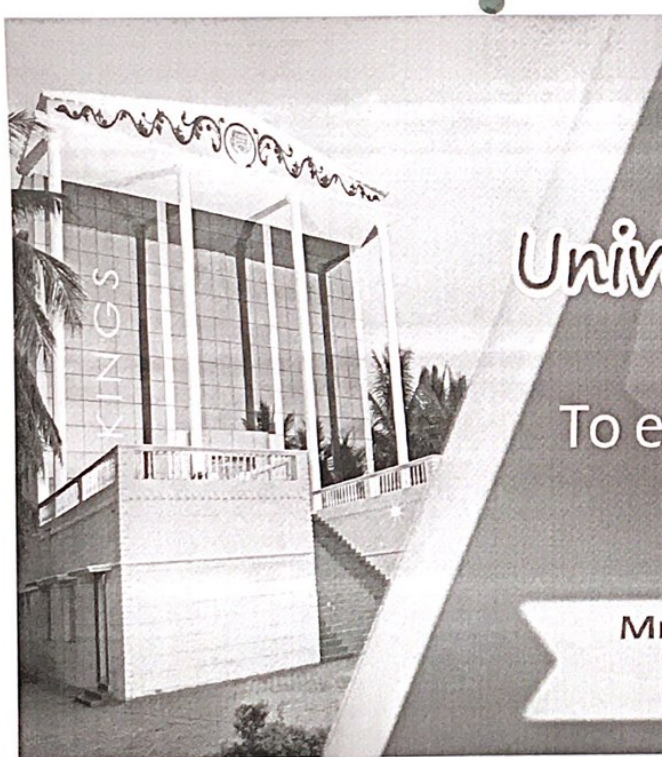
Universal Human Values

ONLINE MODE

Right Understanding with Human Beings

Mrs.R.Revathi,
HoD/CIVIL, KCE

09.02.19



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KINGS
COLLEGE OF ENGINEERING

Punalkulam, Pudukkottai - 613303


Universal Human Values

ONLINE MODE


To ensure Trust and Respect in
human relationship

Mr.R.Sundaramoorthy,
AP/EEE, KCE

16.03.19



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 **KINGS**
COLLEGE OF ENGINEERING

Punalkulam, Pudukkottai - 613303

Universal Human Values

ONLINE MODE

Understanding the difference
between intention and competency

Dr.K.Sudhakar,
AP/T&P. KCE

13.04.19



UHV Programme

Platform: Google Meet

Agenda

Session /Time	Activity	
AN 1.30 -4.30 pm Scheduled days	Invocation Song	
	Welcome Address	Dr.S.Udayakumar UHV Coordinator
	Resource person	Dr. S. Sivakumar, Vice Principal, KCE
		Dr. S. Francis Annuncia, Motivational speaker, Thanjavur.
		Mr.B.Sureshbabu, AP/T&P. KCE
	Vote of Thanks	Dr.V.Suresh Kumar HoD / S&H
		Dr.S.Udayakumar UHV Coordinator
	National Anthem	



UHV Programme

Platform: Google Meet

Agenda

Session /Time	Activity	
AN 1.30 -4.30 pm Scheduled days	Invocation Song	
	Welcome Address	Dr.S.Udayakumar UHV Coordinator
	Resource person	Mrs.K.Abhirami, AP/CSE, KCE
		Mrs.R.Revathi, HoD/CIVIL, KCE
		Mr.R.Sundaramoorthy, AP/EEE, KCE
		Dr.K.Sudhakar, AP/T&P. KCE
	Vote of Thanks	Dr.S.Udayakumar UHV Coordinator
	National Anthem	



Department of Science and Humanities
Academic Year 2018-2019 ODD Semester
Universal Human Values (UHV)
Students Induction Programme (SIP)

“Basic concepts of Value Education and Self Exploration about Natural Acceptance”

REPORT

UHV Organized a programme an **“Basic concepts of Value Education and Self Exploration about Natural Acceptance”** on **15.09.2018**. In this Programme Dr.S.Udayakumar AP/ Chemistry welcomed the gathering. **Prof. Dr.S.Sivakumar**, Vice Principal, Kings College of Engineering delivered lecture on **“Basic concepts of Value Education and Self Exploration about Natural Acceptance”**. He pointed out that knowledge acquisition is very essential for students to meet out future needs of the competitive world. He dilated more on building self esteem among the odds.

The student participants were kept abreast of all the required standards of being an exemplary to good values of life. He emphasized on the needed moralities, an inevitable prerequisite for attaining the excellence in education and riveted his ideas on **“the purpose of learning is not alone earning money but exhibiting true colors that reciprocate goodness in the long run.”**


UHV Coordinator
15/9/2018


SIP Coordinator


PRINCIPAL
15/9/2018

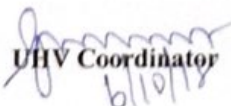


Department of Science and Humanities
Academic Year 2018-2019 ODD Semester
Universal Human Values (UHV)
Students Induction Programme (SIP)
“Understanding happiness and prosperity- Current Scenario”

REPORT

UHV Organized a programme an “Understanding happiness and prosperity- Current Scenario” on 06.10.2018. In this Programme Dr.S.Udayakumar AP/ Chemistry welcomed the gathering. **Dr. S. Francis Annuncia**, Motivational speaker, Thanjavur delivered a lively talk on “Understanding happiness and prosperity- Current Scenario”. She discussed the need for guidance and counseling in modern time that augments the multiplicity of problems at every turn of one’s life.

She addressed that “every individual is entrusted by the almighty with a life full of questions to be solved honestly, carefully, and confidently”. Quoting that “happiness is the best makeup of all and everyone born in the world is unique and making comparison with others is unfair and this will lead to a great fall”, she wanted to live happily as ever possible as all are gifted with the unique blessings.


 UHV Coordinator
 6/10/18


 SIP Coordinator


 06/10/2018
 PRINCIPAL



Department of Science and Humanities
Academic Year 2018-2019 ODD Semester
Universal Human Values (UHV)
Students Induction Programme (SIP)
"How to improve self confident"

REPORT

UHV Organized a programme on "How to improve self confident" on 10.11.2018. In this Programme Dr.S.Udayakumar AP/ Chemistry welcomed the gathering. Mr.T.Suresh Babu T&P, Kings College of Engineering has motivated the students through her personal experience at Kings. He had an edge over others at everything he took part. He demanded the same from every young engineers who pursue engineering with passion. "Engineering", she maintained her thought, "will certainly address to the dreams of young achievers and will lead for greater challenges by offering perfect solutions to all of it. And that makes engineers more responsible member in society that requires comfortable living standard."

He also insisted on the importance of communication to inspiring face the heterogeneous society in global arena. He ended up her speech with a short account of advice for the young learners to take on the lead role, the challenges, and the tolerance to emerge notably.

[Signature]
 UHV Coordinator
 10/11/2018

[Signature]
 SIP Coordinator

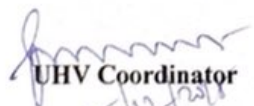
[Signature]
 10/11/2018
 PRINCIPAL



Department of Science and Humanities
Academic Year 2018-2019 ODD Semester
Universal Human Values (UHV)
Students Induction Programme (SIP)
"Motivational Talk"

REPORT

UHV cell was organized a programme on "Motivational Talk" on 15.12.2018 through online mode from 4.30-5.30 pm. Dr.S.Udayakumar AP/ Chemistry welcomed the gathering. The speaker of this programme was Dr.V.Suresh kumar HoD / S & H, Kings College of Engineering. The presenter himself is a resource of motivation to students gave encouraging examples from his own life and inspired students to be a self motivator. He discussed the importance of positive thinking and attitude which bring optimism in to life and such constructive changes can make own brighter and more successful.


 UHV Coordinator
 15/12/2018


 SIP Coordinator


 PRINCIPAL
 15/12/2018




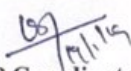
Department of Science and Humanities
 Academic Year 2018-2019 Even Semester
 Universal Human Values (UHV)
 Students Induction Programme (SIP)
“Human Aspirations – Continuous happiness and Prosperity”

REPORT

UHV Cell of our college, was organized a programme on **“Human Aspirations – Continuous happiness and Prosperity”** at our college on 19.01.19. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, APIII/ Chemistry. The resource person of the program Prof. Mrs.K.Abhirami, Asst. Prof, Department of Computer Science, Kings College of Engineering delivered lecture on **“Human Aspirations - Continuous Happiness and Prosperity”**. She stressed ‘the need to focus on human values as they are quintessential to lead one’s life amicably, comfortably, and socially responsible’. She explained, “the core values help to grow and develop confidently and also help to create the healthy future we want”. Her discussion maintained ‘making decision destines our values and life’.

The student participants were kept abreast of all the required standards of being an exemplary to good values of life. She emphasized on the needed moralities, an inevitable prerequisite for attaining the excellence in education. And her presentation touched the right chord to assure “sharing of values will certainly pave a way for building a concrete social group to unitedly achieve things in the world”.


 UHV Coordinator


 SIP Coordinator


 19/1/2019.
 PRINCIPAL

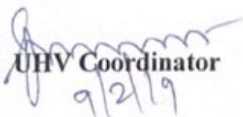


Department of Science and Humanities
Academic Year 2018-2019 Even Semester
Universal Human Values (UHV)
Students Induction Programme (SIP)
"Right Understanding with Human Beings"

REPORT

UHV Cell of our college, was organized a programme on **"Right Understanding with Human Beings"** at our college on 09.02.19. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, AP/III/ Chemistry. The resource person of the program Mrs.R.Revathi, HoD, Department of Civil, Kings College of Engineering delivered a lecture on "Right Understanding with Human Beings". The presenter enunciated clearly that 'understanding others in the right way will be of conducive to have better existence' and insisted 'it would lead for interconnectedness'.

She reminded, "Understanding others will help us predict the people" and pointed, "this will move us solidly for better coexistence". She had not forgotten to make clear to the student that 'our actions bring in reactions'. She maintained, "the joint living patterns make us to live life thoroughly by learning and adapting to the values". "Good interpersonal skills to communicate with others more effectively", was rightly quoted by her. Her presentation was interlaced with the need of 'SMILE' since 'it brings positive effects on us and it stimulates our brain to perform more productively'. Finally, the participants interacted with the resource person till their queries on interpersonal skills were addressed convincingly.


UHV Coordinator
9/2/19


SIP Coordinator


PRINCIPAL




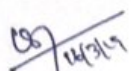
Department of Science and Humanities
 Academic Year 2018-2019 Even Semester
 Universal Human Values (UHV)
 Students Induction Programme (SIP)
"To ensure Trust and Respect in human relationship"

REPORT

UHV Cell of our college, was organized a programme on **"To ensure Trust and Respect in human relationship"** at our college on 16.03.19. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, APIII/ Chemistry. The resource person of the program Mr. R. Sundaramoorthy, Assistant Professor, Department of EEE, delivered a lecture on "To ensure trust and respect human relationship". In his deliberations, he made out how to trust and respect with others through our behavior.

He insists how to develop our relationship with others through our respect and trust. He also explained about how to maintain good relationship with others through good harmony with others. Finally he insists to have self confidence and how to face the problem and overcome the weakness to develop the personal skills.


 UHV Coordinator
 16/3/19


 SIP Coordinator
 14/3/19


 16/3/2019
 PRINCIPAL



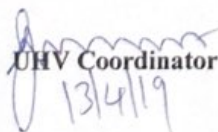
Department of Science and Humanities
Academic Year 2018-2019 Even Semester
Universal Human Values (UHV)
Students Induction Programme (SIP)

“Understanding the difference between intention and competency”

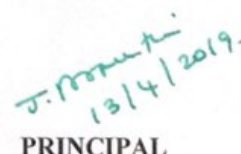
REPORT

UHV Cell of our college, was organized a programme on **“Understanding the difference between intention and competency”** at our college on 13.04.19. In this programme, welcome address was given by UHV coordinator Dr. S.Udayakumar, APIII/ Chemistry. The resource person of the program Dr.K.sudhakar, Assistant Professor, Department of T&P, shared his views on steering one’s life to enviable heights by **“Understanding the difference between intention and competency”** in the right way. He inspired everyone through his speech, by giving lively examples about competency.

He remained so focused on the importance of “self respect, living together, and natural acceptance”. He explained about how to get self exploration. He explained in detail about the importance of engineering study and how to create new devices for the betterment of society. He differentiated the intension and competency through with lively examples. Finally he pointed out the requirements to make one happy.


UHV Coordinator
13/4/19

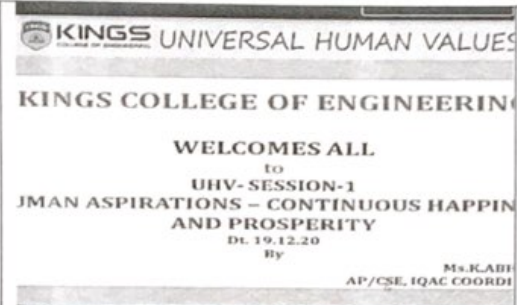

SIP Coordinator


13/4/2019.
PRINCIPAL

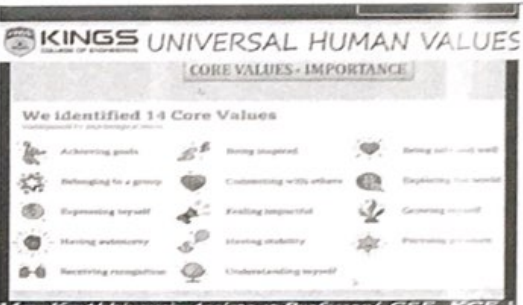
UHV Programme for the first year students (2018-2019 Batch)



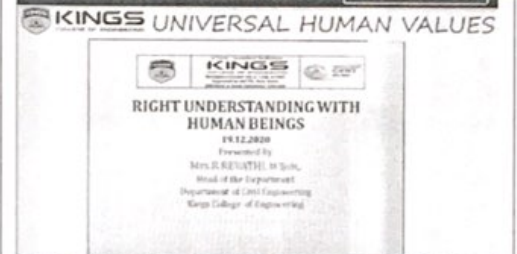
UHV Programme for the first year students (2018-2019 Batch)




Universal Human Values and Gender Sensitization...
1 / 13 Kings College of Engineering Punalkulam



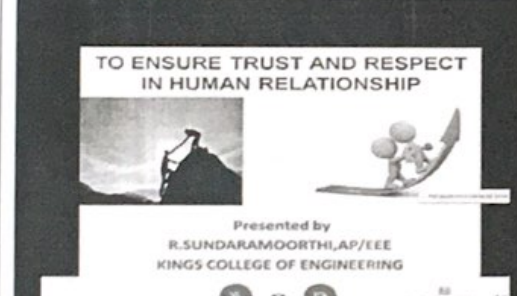
Mrs. K. Abhirami, Assistant Professor / CSE, KCE
Universal Human Values and Gender Sensitization...
1 / 13 Kings College of Engineering Punalkulam



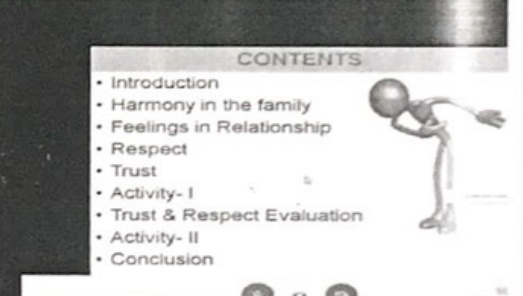
Mrs. Revathi, HOD / Civil Engineering, KCE
Universal Human Values and Gender Sensitization...
2 / 13 Kings College of Engineering Punalkulam



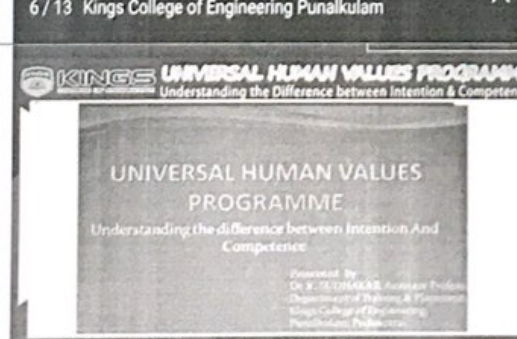
Mrs. Revathi, Head of the Department, Civil Engineering
Universal Human Values and Gender Sensitization...
2 / 13 Kings College of Engineering Punalkulam



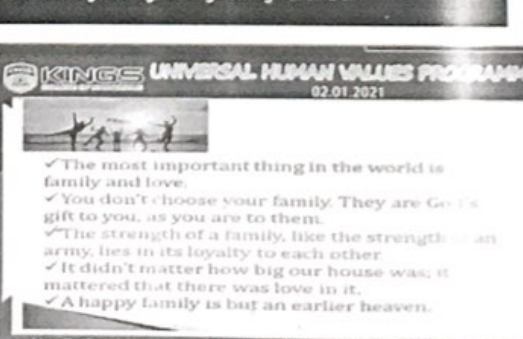
Universal Human Values and Gender Sensitization...
6 / 13 Kings College of Engineering Punalkulam



Universal Human Values and Gender Sensitization...
6 / 13 Kings College of Engineering Punalkulam



Dr. K. Sudhakar, Assistant Professor / T&P, Kings College of Engineering
Universal Human Values and Gender Sensitization...
5 / 13 Kings College of Engineering Punalkulam



Mrs. T. Shanthi, Associate Professor / ECE, Kings College of Engineering
Universal Human Values and Gender Sensitization...
4 / 13 Kings College of Engineering Punalkulam

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COLLEGE OF ENGINEERING

Recognized under 2(f) & 12(B) of UGC

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai Taluk, Pudukkottai Dist. - 613 303.

Certificate

This is to certify that Mr. /Ms. Dhivyabharathi G of
I Year Computer Science Engineering
has actively participated in the programme on Universal Human Values
between 15.09.2018 and 13.04.2019, organized by UHV Cell, Kings
College of Engineering, Punalkulam.

COORDINATOR-UHV

CONVENER

PRINCIPAL

E-certificate signature is not required

A NAAC Accredited Institution



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Punalkulam, Gandarvakottai Taluk, Pudukkottai Dist. - 613 303.

Certificate

This is to certify that Mr. /Ms. Nandha Kishore S of
I Year Computer Science Engineering
has actively participated in the programme on Universal Human Values
between 15.09.2018 and 13.04.2019, organized by UHV Cell, Kings
College of Engineering, Punalkulam.

COORDINATOR-UHV

CONVENER

PRINCIPAL

E-certificate signature is not required



DEPARTMENT OF TRAINING AND PLACEMENT

C1: 1.2.2. SOFT SKILLS AND APTITUDE SAMPLE (Academic Year 2019-20)

S. NO.	PARTICULARS (2018-19 ODD)	PAGE NUMBER
01	II YR Time Table	1
02	II YR Name List	2
03	II YR Aptitude Syllabus	3
04	II YR Aptitude Course Plan	4 – 6
05	II YR Aptitude Training Manual	7 – 12
06	II YR Aptitude and Soft Skills Log Book	13 – 20
07	II YR Soft Skills Syllabus	21
08	II YR Soft Skills Course Plan	22 – 24
09	II YR Soft Skills Training Manual	25 – 29
10	III YR Time Table	1
11	III YR Name List	2
12	III YR Aptitude Syllabus	3
13	III YR Aptitude Course Plan	4-7
14	III YR Aptitude Training Manual	8-14
15	III YR Aptitude Log Book	15-19
16	IV YR Time Table	1
17	IV YR Name List	2
18	IV YR Soft Skills Syllabus	3
19	IV YR Soft Skills Course Plan	4 – 6
20	IV YR Aptitude Syllabus	7
21	IV YR Aptitude Course Plan	8 – 10
22	IV YR Aptitude and Soft Skills Log Book	11 – 23
23	IV YR Aptitude Test Sheet	24 – 27
24	IV YR Soft Skills Test Sheet	28 – 39



DEPARTMENT OF CIVIL ENGINEERING
TIME TABLE (JUNE 2019 - DEC 2019, ODD SEM)
B.E - CIVIL (Regulation 2017) - With Effect from 20.06.19

Batch:2018-2022

Strength:24

Year: II

Semester: III

Class Room : 233

Block: II

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.15 pm	5	6	02.45 pm - 03.00 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.15pm - 02.00pm	02.00pm - 02.45pm		03.00pm - 03.45pm	03.45pm - 04.30pm
MON	CE8301	CE8351	BREAK	MA8353	CE8302	LUNCH BREAK	CE8311(B1) / CE8361(B2)		BREAK	CE8311(B1) / CE8361(B2)	
TUE	CE8391	CE8302		T&P(A)	CE8391		CE8301	CE8392		MA8353	CE8351
WED	MA8353	CE8301		CE8302	CE8351		CE8311(B2) / CE8361(B1)			CE8311(B2) / CE8361(B1)	
THU	CE8302	CE8392		T&P(SS)	CE8391		CE8351	CE8301		MA8353	CE8392
FRI	CE8391	CE8301		CE8351	MA8353		CE8392	HS8301		HS8301	LIB/NET

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)						
MA8353	Transforms and Partial Differential equations	MA	4	Dr.G.Shankaralalidoss	MATHS	5
CE8301	Strength of Materials I	CE	3	Ms.K.Jeyashankari	CIVIL	5
CE8302	Fluid Mechanics	CE	3	Ms.T.Bhuvaneswari	CIVIL	4
CE8351	Surveying	CE	3	Mr.S.Kamaraj	CIVIL	5
CE8391	Construction Materials	CE	3	Ms.K.Bhavarohini	CIVIL	4
CE8392	Engineering Geology	CE	3	Mr.M.Mohamed Ilyas	CIVIL	4
PRACTICAL						
CE8311	Construction Materials Laboratory	CE	2	Mr.R.Sundharam Mr.S.R.Elwin Guru Chanth	CIVIL	4
CE8361	Surveying Laboratory	CE	2	Mr.M.Mohamed Ilyas Ms.V.Iswarya	CIVIL	4
HS8301	Interpersonal Skills / Listening and Speaking	HS	1	Mr.K.Anandharaj	ENG	2
COMPETENCY DEVELOPMENT CLASSES						
LIB/NET	Library/Internet	-	-	Ms.K.Bhavarohini	CIVIL	1
T&P(A)	Training & Placement - (Aptitude)	T&P	CDC	Mr.B.Barankumar	T&P	1
T&P(S)	Training & Placement - Softskills	T&P	CDC	Mr.K.Sudhakar	T&P	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Ms.K.Bhavarohini	1. S.Jayashree 2. A.Patrick Antony Samy	08 16
CLASS COMMITTEE CHAIR PERSON	Mr.K.Arun	

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DEPT. TTC

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HOD

[Signature]
PRINCIPAL



DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR (2019- 2020) ODD SEMESTER
(BATCH 2018-2022)

YEAR/SEM: II / IV

STUDENT NAME LIST

TOTAL STRENGTH : 28

ROLL NO	REGISTER NO	STUDENT NAME	ROLL NO	REGISTER NO	STUDENT NAME
1	821118103001	ABINAYA P	15	821118103017	PATRICKANTONY SAMY A
2	821118103003	ARAVINTH M	16	821118103018	PAVITHRA C
3	821118103004	CHANDRU S	17	821118103019	PRIYANKA B
4	821118103005	DEENATHAYALAN V	18	821118103020	ROOSIKA K
5	821118103006	DHINAKARAN D	19	821118103021	SARMILA N
6	821118103007	JAYALAKSHMI S	20	821118103022	SETHUBALA T
7	821118103008	JAYASHREE S	21	821118103023	THILAK M
8	821118103009	JOSHI A	22	821118103024	VIJAYA PRAKASH R
9	821118103010	KALAIKUMAR S	23	821118103025	VINOTHKUMAR J
10	821118103011	KARIKALAN S	24	821118103301	ABRAHAM RAJA J
11	821118103012	KARTHIKEYAN R	25	821118103302	JEGAN S
12	821118103013	MANIKANDAN M	26	821118103303	RAHINI M
13	821118103014	NANDHINI R	27	821118103304	SIVASHANKAR M
14	821118103016	PADMA REKA R	28	821118103305	VAITHEESWARAN B



SYLLABUS

QUANTITATIVE APTITUDE - II YEAR (Third Semester)

Operations on Numbers – Definition – Types of numbers – Test of divisibility – Place and Face value problems.	2
Problems on Ages – Definition – Conditions of above and after – Sample Problems	2
Decimal Fractions – Definition – Conversion of decimal fractions – Operations on decimal Fractions	2
Average – Definition – Formula – Average speed problems	2
Simplification – 'BODMAS' rule – Sample problems	2

Total Periods: 10

P. S. M.
STAFF INCHARGE

12/4/19
VP/HEAD

**DEPARTMENT OF TRAINING & PLACEMENT**

Sub. Name : Quantitative Aptitude	Branch / Year / Sem : B.E (All Branch/II/III)
Staff Name : Ms P.Suganya & Mr. B. Barankumar	Batch : 2018-2022 Academic Year : 2019-20(ODD)

COURSE OBJECTIVE:

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude.

TEXT BOOK:

T1. Quantitative Aptitude - R.S. Aggarwal – S. Chand Publications

WEB RESOURCES

- W1. www.indiabix.com
W2. www.indeed.com
W3. www.freshersworld.com

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
OPERATIONS ON NUMBERS (2)						
1.	Definition – Types of numbers	T1	01 – 08	BB	1	1
2.	Test of divisibility – Place and Face value problems.	T1	09 – 17	BB	1	2
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Analyze the concept of number. Solve the problems on test of divisibility place and face value problems. 						
PROBLEMS ON AGES (2)						
3.	Definition – Conditions of above and after	T1 W1	182 – 183	BB	1	3
4.	Sample Problems	T1	184 – 192	BB	1	4
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Understand the concept of age. Solve the problems on age. 						
DECIMAL FRACTIONS (2)						
5.	Definition – Conversion of decimal fractions	T1	46 – 47	BB	1	5
6.	Operations on decimal Fractions	T1, W2	48 – 66	BB	1	6
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Analyze the conversion decimal fractions. Identify and solve the problems on operations on decimal fractions. 						
AVERAGE (2)						
7.	Definition – Formula	T1 W3	139 – 141	BB	1	7
8.	Average speed problems	T1	142 – 148	BB	1	8
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Analyze the formulae on average. Solve the problems on average speed problems. 						
SIMPLIFICATION (2)						
9.	'BODMAS' rule	T1	67 – 74	BB	1	9
10.	Sample problems	T1, W3	75 – 116	BB	1	10
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Understand the concept of simplification. Identify the application of sample problems. 						

COURSE OUTCOME

At the end of the course, the students will be able to

- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

1.	Dem num	pes of	01-08	1
2.	Test Place	ity - value	09-17	1

P. S.
Prepared by
Ms. P. SUGANYA
Mr. B. BARANKUMAR

P. S.
Verified By
VP/HEAD

J. Barankumar
23/4/19
Approved by
PRINCIPAL



KINGS
COLLEGE OF ENGINEERING



TUV SUD
CERT
ISO 9001

PUNALKULAM, THANJAVUR - 613 303

NAAC ACCREDITED INSTITUTION

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai

ACADEMIC YEAR 2019 - 2020 / ODD SEMESTER

LABORATORY MANUAL

Name of the Student : P. VAISHNAVY

Register Number : 821118104043

Year / Semester : II / III

Lab. Code & Name : _____



Training Manual

Aptitude

(II year - Third Semester)

Common to All Branches



SYLLABUS

QUANTITATIVE APTITUDE - II YEAR (Third Semester)

Operations on Numbers - Definition - Types of numbers - Test of divisibility - Place and Face value problems. 2

Problems on Ages - Definition - Conditions of above and after - Sample Problems 2

Decimal Fractions - Definition - Conversion of decimal fractions - Operations on decimal Fractions 2

Average - Definition - Formula - Average speed problems 2

Simplification - 'BODMAS' rule - Sample problems 2

Total Periods: 10

P. Luv
STAFF INCHARGE

VP/HEAD

CONTENT

EX. NO	DESCRIPTION	PAGE NO	DATE	MARKS	SIGN
1	Operations on Numbers	8	21/6/19	10	P. Lm
2	Problems on Age	12	5/7/19	10	P. Lm
3	Decimal Fractions	14	26/7/19	7	P. Lm
4	Average	27	9/8/19	9	P. Lm
5	Simplifications	20	23/8/19	9	P. Lm

EXERCISE : 1

1. $(475 \times 475 + 125 \times 125) = ?$
 a) 241250 b) 242250 c) 198720 d) 252240
2. $(387 \times 387 + 113 \times 113 + 2 \times 387 \times 113) = ?$
 a) 2415250 b) 250000 c) 125250 d) 156545
3. Find the least value of * for which $4832*18$ is divisible by 11
 a) 7 b) 11 c) 8 d) 4
4. Simplify: $658 \times 658 + 328 \times 328 + 658 \times 658 + 658 \times 328 + 328 \times 658$
 a) 450 b) 330 c) 500 d) 150
5. The difference between the local value and the face value of 7 in the numeral 32675149 is
 a) 75142 b) 64851 c) 5149 d) 69993
6. If the number $481*673$ is completely divisible by 9, then the smallest whole number in the place of * will be:
 a) 2 b) 5 c) 6 d) 7
7. Which of the following is a prime number?
 a) 33 b) 81 c) 93 d) 97
8. The largest 4 digit number exactly divisible by 88 is
 a) 9944 b) 9786 c) 9988 d) 8888
9. $(2056 \times 625) = ?$
 a) 1286372 b) 584638125 c) 584649125 d) 585628124
10. The smallest 6 digit number exactly divisible by 111 is
 a) 111111 b) 110011 c) 100011 d) 110101
11. The difference between a number and its three - fifth is 50. What is the number?
 a) 75 b) 100 c) 125 d) None of these
12. If one - third of one - fourth of a number is 15. Then three - fifth of that number is
 a) 35 b) 36 c) 45 d) 54
13. Three fourth of a number is 60 more than its one - third. The number is
 a) 84 b) 108 c) 144 d) None of these

14. Find a number which when multiplied by 15 is increased by 196
 a) 14 b) 20 c) 26 d) None of these
15. If a number, when divisible by 4, is reduced by 21, the number is
 a) 18 b) 26 c) 28 d) 38
16. If the sum of the number and its square is 182. What is the number?
 a) 13 b) 26 c) 28 d) 91
17. Three numbers are in the ratio 4:5:6 and their average is 25. The largest number is
 a) 39 b) 32 c) 36 d) 42
18. The sum of two numbers is 40 and their difference is 4. The ratio of the numbers is
 a) 11:9 b) 11:18 c) 21:19 d) 22:9
19. The sum of two numbers is 25 and their difference is 13. Find their product
 a) 104 b) 114 c) 315 d) 325
20. The product of two numbers is 192 and the sum of these two numbers is 28. What is the smaller of these numbers?
 a) 12 b) 4 c) 16 d) None of these

Ans	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Marks

10/10

Signature of Staff

P. S. S.

TOPIC: 5 SIMPLIFICATIONS

Note:

BODMAS' Rule:

This rule depicts the correct sequence in which the operations are to be executed, so as to find out the value of given expression.

Here B - Bracket,

O - of,

D - Division,

M - Multiplication,

A - Addition and

S - Subtraction

Thus, in simplifying an expression, first of all the brackets must be removed, strictly in the order {}, [], and {}.

After removing the brackets, we must use the following operations strictly in the order:

(i) of (ii) Division (iii) Multiplication (iv) Addition (v) Subtraction.

Modulus of a Real Number:

Modulus of a real number a is defined as

$$|a| = \begin{cases} a, & \text{if } a > 0 \\ -a, & \text{if } a < 0 \end{cases}$$

Thus, $|5| = 5$ and $|-5| = -(-5) = 5$.

Virnaculum (or Bar):

When an expression contains Virnaculum, before applying the "BODMAS" rule, we simplify the expression under the Virnaculum.

Exercise:5

1. Village X has a population of 68000, which is decreasing at the rate of 1200 per year. Village y has a population of 42000, which is increasing at the rate of 800 per year. In how many years will the population of the two village be equal?

a) 13 b) 14 c) 16 d) 18

2. From a group of boys and girls, 15 girls leave. Then left 2 boys for each girl. After this, 45 boys leave. There are then 5 girls for each boy. Find the number of girls in the beginning.

a) 40 b) 42 c) 43 d) 41

3. Two-fifths of one-fourth of three-fourth of a number is 15. What is half of that number?

a) 94 b) 96 c) 108 d) 106

4. If $x^2y = x^2 + y^2 - xy$, then 9^{11} is equal to:

a) 93 b) 103 c) 113 d) 121

5. If $a^2b = 2a - 3b + ab$, then $3^5 + 5^3$ is equal to

a) 22 b) 24 c) 26 d) 28

6. By how much is three-fifths of 350 greater than four-seventh of 201?

a) 96 b) 110 c) 120 d) 210

7. On simplification, $3034 - (1002/20.04)$ is equal to:

a) 2543 b) 2984 c) 2993 d) 3029

8. If $x = y^a$, $Y = Z^b$, $Z = X^c$, then find the value of abc .

a) 1 b) 2 c) 3 d) 4

9. $(18)^{3.5} \div (27)^{3.5} = 6^{3.5} \div 2^?$

a) 3.5 b) 4.5 c) 6 d) 7

10. $(0.04) \div 1.5 = ?$

a) 25 b) 125 c) 250 d) None of these

11. If $a + b = 5$ and $3a + 2b = 20$, Then $(3a + b)$ will be

a) 10 b) 15 c) 20 d) 25

12. If $x = 1 - q$ and $y = 2q + 1$, then for what values of q , x is equal to y ?

a) 1 b) 0 c) 0.5 d) 2

13. The value of $((\sqrt{8})^2)$ is:

a) 2 b) 4 c) $\sqrt{2}$ d) 8

14. The value of $[(10)^{150} + (10)^{150}]$ is:

a) 1000 b) 10000 c) 100000 d) 10^4

15. $(2.4 \times 10^3) + (8 \times 10^{-2}) = ?$

a) 3×10^6 b) 3×10^4 c) 3×10^5 d) 30

16. $(1000)^7 + 10^{18} = ?$

a) 10 b) 100 c) 1000 d) 10000

17. $(17)^{15} \times (17)^{-2} = (17)^8$

a) 2.29 b) 2.75 c) 4.25 d) 4.5

18. $49 \times 49 \times 49 \times 49 = 7^?$

a) 5 b) 7 c) 8 d) 16

19. If $5^a = 3125$, then the value of $5^{(a-3)}$ is:

a) 25 b) 125 c) 625 d) 1625

20. If $2^{n+4} - 2^{n+2} = 3$, then n is equal to:

a) 1 b) 2 c) -1 d) -2

Ans	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
a.																				
b.																				
c.																				
d.																				

Marks

Signature of Staff



KINGS

COLLEGE OF ENGINEERING
Punalkulam, Thanjavur.

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



ISO 9001 : 2008

(2019 - 20 ODD)

Attendance and Assessment Record

Name of the Staff :

J. SUDHAKAR & P. SUGANYA

Department :

Training & Placement

Subject Code & Name :

Soft skills & Aptitude

Branch :

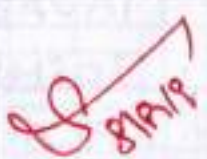
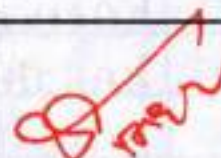
Civill II year

Semester :

III

Attendance and Assessment Record

Name of the Staff : P. Suganya Dept T&P
R. Sudhakar
 Name of the Subject : Soft Skills Code _____
Miscellaneous
 Branch : Civil
 Semester : III Year : II
 Date of Commencement : 20/06/19 Last Working Day : 19.10.19

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
Softskills End of the First Month	5	5	50%	
Aptitude	6	6	60%	
Softskills End of the Second Month	10	8+2 (10)	100%	
Aptitude	10	10	100%	
End of the Third Month				
End of the Fourth Month				

S. Narasimhan
19/12/19

PRINCIPAL

Aptitude

Attendance Particulars			
Roll No.	Name	Date	
		Month	
		Period	
1	ABINAYA . P .		
2	AKASH . P .		
3	ARAVINTH . M .		
4	CHANDRU . S .		
5	DEENATHAYALAN		
6	DHINAKARAN . D .		
7	JAYALAKSHMI . S .		
8	JAYASHREE . S .		
9	JOSHI . A .		
10	KALAIKUMAR . S .		
11	KARIKALAN . S .		
12	KARTHIKEYAN . R .		
13	MANIKANDAN . M .		
14	NANDHINI . R .		
15	PADMA REKA . R .		
16	PATRICKANTONY		
17	PAVITHRA . C .		
18	PRİYANKA . B .		
19	ROOSIKA . K .		
20	SARMILA . N .		
21	SETHUBALA . T .		
22	THILAK . M .		
23	VITAYA PRAKASH		
24	VINOOTH KUMAR . J .		
25	ABRAHAM RAJA		

Roll No.	25	2	9	11	23	30	1	6	13	20
	6	7	7	7	7	7	8	8	8	8
	3	3	3	3	3	3	3	3	3	3
1	/	/	/	/	/	/	/	/	/	/
2	a	a	a	a	a	a	a	a	a	a
3	/	/	/	/	/	/	/	/	/	a
4	a	/	/	a	/	/	a	/	/	a
5	/	/	/	/	/	/	/	/	/	/
6	/	a	a	/	/	/	a	/	a	/
7	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/
9	/	a	a	/	/	/	/	/	/	/
10	a	/	/	/	/	/	/	/	a	/
11	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	a	/	/	a	/	/
13	/	/	/	/	/	/	/	/	/	/
14	/	/	/	/	/	/	/	/	/	a
15	/	/	/	/	/	/	/	/	/	/
16	/	/	/	/	/	/	/	/	/	/
17	a	/	/	/	/	/	/	/	/	/
18	/	/	/	/	/	/	/	/	/	/
19	/	/	/	/	/	/	/	/	a	/
20	/	/	/	/	/	/	/	/	/	/
21	a	a	/	/	/	/	a	a	/	/
22	/	/	/	/	/	/	/	a	/	/
23	/	/	/	/	/	/	/	/	/	/
24	/	/	/	/	/	/	/	/	/	/
25	/	/	/	/	/	/	/	/	/	/

Aptitude

Attendance Particulars			
Roll No.	Name	Date	
		Month	
		Period	
26	RAHINI. S		
27	JEGAN. S		
28	SIVASHAMICAR. N.		
29	VANTHEESHWARAN. B		
30			
31			
32			
33			
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45			
46			
47			
48			
49			
50			

Present

Absent

Signature

Roll No.	25	2	9	11	23	20	1	6	13	20
	6	7	7	7	7	7	8	8	8	8
	3	3	3	3	3	3	3	3	3	3
26	/	/	/	/	/	/	/	/	/	/
27	/	/	/	/	/	/	/	/	/	/
28	/	/	/	/	/	/	/	/	/	/
29	-	/	/	/	/	/	/	/	a	/
30										
31										
32										
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38										
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41										
42										
43										
44										
45										
46										
47										
48	23	25	26	27	27	28	25	25	24	25
49	05	04	03	02	02	01	04	04	05	04
50	12	12	12	12	12	12	12	12	12	12

Unit No.	Date	RECORD OF CLASS WORK				HOD INITIAL
		TOPICS COVERED	PERIOD	CUMULATIVE PERIOD	STAFF INITIAL	
		Aptitude				
1.	25.06.19	Problems on numbers - Introduction, types of numbers and problems Solved	3	1	P	[Signature]
	02.07.19	Problems on numbers Test of divisibility Problems solved	3	2	P	
	09.07.19	Problems on Ages - Ago, Before types of Problems Solved	3	3	P	[Signature]
	11.07.19	Problems on Age - After, Hence, Ratio problems Solved	3	4	P	
	23.07.19	Problems on Age - After, Hence, problems Solved	3	5	P	[Signature]
	30.07.19	Decimal Fraction - Definition, Conditions and problems Solved	3	6	P	
	01.08.19	Test	3	7	P	[Signature]
Hours Planned:		Hours Handled:				

RECORD OF CLASS WORK						
Unit No.,	Date	TOPICS COVERED	PERIOD	CUMULATIVE PERIOD	STAFF INITIAL	HOD INITIAL
	06.08.19	Average - Definition, formula and problems	3	8	P	
	13.08.19	Average - Average Speed problems Solved	3	9	P	
	20.08.19	Simplification - Definition BODMAS RULE, Problems Solved	3	10	P	
Verified						
M. I.		19/12/19	J. [Signature] 17/12/2019			

Attendance Particulars			Soft Skills										
Roll No.	Name	Date	20	21	04	16	25	22	27	03	10	17	
		Month	06	06	07	07	07	08	08	09	09	09	
		Period	3	3	3	3	3	3	3	3	3	3	
1	ABINAYA . P		a	/	/	/	a	/	a	/	/	/	
2	AKASH . P		/	a	a	a	a	/	a	a	a	a	
3	ARAVINTH . M		/	/	a	/	/	/	/	/	/	/	
4	CHANDRU . S		a	a	/	/	/	/	/	/	/	/	
5	DEENATHAYALAN . V		/	/	/	/	/	/	/	/	/	/	
6	DHINAKARAN . D		a	a	a	/	/	/	/	/	/	/	
7	JAYALAKSHMI . S		/	/	/	/	/	/	/	/	/	/	
8	JAYASHREE . S		/	/	/	/	/	/	/	/	/	/	
9	JOSHI . A		/	/	/	/	/	/	a	/	/	/	
10	KALAIKUMAR . S		a	/	/	/	/	/	/	a	a	a	
11	KARIKALAN . S		a	/	/	/	/	/	/	/	/	/	
12	KARTHIKEYAN . R		a	/	/	/	/	/	a	/	/	/	
13	MANIKANDAN . M		a	/	/	/	/	/	/	/	/	/	
14	NANDHINI . R		/	/	/	/	/	/	/	/	/	/	
15	PADMA REKA . R		/	/	/	/	/	/	/	/	/	/	
16	PATRICKANTONY SAMY . A		/	/	/	/	/	/	/	/	/	/	
17	PAVITHRA . C		/	/	/	/	/	a	/	a	/	/	
18	PRİYANKA . B		a	/	/	/	/	/	/	/	/	/	
19	ROOSIKA . K		/	/	/	/	a	/	/	/	/	/	
20	SARMILA . N		/	/	/	/	/	/	/	/	/	/	
21	SETHUBALA . T		a	a	/	a	/	/	/	/	/	/	
22	THILAK . M		/	/	/	/	/	/	/	/	/	/	
23	VITAYA PRAKASH . R		/	/	/	/	/	/	/	/	/	/	
24	VINOOTH KUMAR . J		/	/	/	/	/	/	/	/	/	/	
25	ABRAHAM RAJA . J		/	/	/	/	/	/	/	/	/	/	

Attendance Particulars			Soft Skills									
Roll No.	Name	Date	20	21	04	16	25	27	29	03	10	12
		Month	06	06	07	07	07	8	8	9	09	09
		Period	3	3	3	3	3	3	3	3	3	3
26	RAHINI. S		1	1	1	1	1	1	1	1	1	1
27	JEGAN. S		1	1	1	1	1	1	1	a	a	a
28	SIVASAMICAR. N		1	1	1	1	1	1	1	1	1	1
29	VAITHEESHWARAN. B		-	1	1	1	1	1	1	1	1	1
30												
31												
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44												
45												
46												
47												
48	Present		19	24	26	27	28	25	25	26	26	
49	Absent		09	04	03	02	07	01	04	04	01	03
50	Signature											



**DEPARTMENT OF TRAINING & PLACEMENT
COURSE PLAN**

Sub. Name : Soft Skills	Branch/Year/Sem : B.E (All Branch/II/III)
Staff Name : Mr. B. SureshBabu & Mr. K. Sudhakar	Batch : 2018-2022
Academic Year : 2019-20(ODD)	

COURSE OBJECTIVE:

1. To learn the importance of soft skills to compete in the recruitment process.
2. To accomplish the knowledge on the employability skills.
3. To build skills to face challenges in job market.
4. To expose the talents during employment.
5. To enhance the soft skills to meet challenges in employment.

BOOKS FOR REFERENCE:

- T1.** Soft Skills – Know yourself and the world - Dr. K. Alex- S. Chand & Co Ltd.
T2. I Just Love my Job – Roy Calvert, Brain Durkin Eugenio Grandi, Kevin- Quarto Library

WEB RESOURCES

- W1.** [https:// www.wsd3.org/.../filedownload.ashx?...Employability%20Skills.ppt](https://www.wsd3.org/.../filedownload.ashx?...Employability%20Skills.ppt)
W2. <https://bemycareercoach.com/soft-skills/list-soft-skills.html>
W3. https://www.youtube.com/embed/vLNcPw_frN4om
W4. <https://www.changethatsrightnow.com/anglophobia/>



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(NLC Accredited Institution)
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)



SYLLABUS

SOFT SKILLS - II YEAR (Third Semester)

Introduction to soft skills & hard skills

Need for Soft Skills - Employability Skills - Need for Observation - Positive Attitude. 2

Break the ice berg - FEAR

Overcoming Fear 5 Life changing keys to overcome FEAR - Anglophobias. 2

Self Development - Etiquette & Manners

Become a Learner Cycle - Process of managing self

Etiquette - Classification of Etiquette - Personal, Business, Social, Dinner, Interview, Telephone interview, professional, work. 3

Manners - Exercise good manners, manners at wheel, in flight, professional manners & Social Manners.

Resume Building

Difference between Bio - data, CV, Resume - CV writing tips - Dos & Don'ts in CV writing - Designs of CV - Content, Sequence - Electronic CV tips - Cover letter - CV samples. 3

Total Periods: 10

Book for Reference:

Soft Skills - Know yourself and the world - Dr. K. Alex- S. Chand & Co Ltd.

I Just Love my Job - Roy Calvert, Brain Durkin Eugenio Grandi, Kevin- Quarto Library


STAFF INCHARGE


VP/HOD

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
INTRODUCTION TO SOFT SKILLS & HARD SKILLS						(2)
1.	Need for Soft Skills, Employability Skills	T1 W1, T2	1-12 87, 92-100	PPT, BB & intensive class room exercise	1	1
2.	Need for Observation Positive Attitude	W2 T1	--- 19-31	BB & intensive class room exercise	1	2
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Analyze the need for soft skills. Understand the importance of positive attitude. 						
BREAK THE ICE BERG - FEAR						(2)
3.	Overcoming Fear 5 Life changing keys to overcome FEAR	T1 W3	100-102	PPT, BB & intensive class room exercise/ Mgmt games	1	3
4.	Anglophobias.	W4	---	BB& intensive class room exercise	1	4
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Understand various concepts of phobias. Identify the keys to overcome fear. 						
SELF DEVELOPMENT - ETIQUETTE & MANNERS						(3)
5.	Become a Learner Cycle - Process of managing self Etiquette - Classification of Etiquette - Personal, Business, Social, Dinner	T1, T2 T1	164-165 33,179-185 164-168	PPT, BB & intensive class room exercise	1	5
6.	Interview, Telephone interview, professional, work.	T1	166-168	BB & intensive class room exercise	1	6
7.	Manners - Exercise good manners, manners at wheel, in flight, professional manners & Social Manners.	T1	169-179	BB & intensive class room exercise	1	7
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Learn various etiquette Analyze the types of interviews 						
RESUME BUILDING						(3)
8.	Difference between Bio - data, CV, Resume	T1	185-186	BB & intensive class	1	8

				room exercise		
9.	CV writing tips – Dos & Don'ts in CV writing, Designs of CV – Content, Sequence	T1	187-189 189-192	PPT & intensive class room exercise	1	9
10.	Electronic CV tips – Cover letter – CV samples.	T1	193-195	BB& intensive class room exercise	1	10
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Analyze Differences between Bio – data, CV, Resume Know and analyze content and sequences of CV 						

COURSE OUTCOME

At the end of the course, the students will be able to

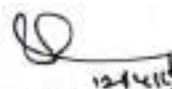
- Attend interviews without fear.
- Participate in GD and public debates
- Enough confidence and knowledge on facing challenges.
- Write a appropriate CV for a job
- Know about manners & Etiquette

CONTENT BEYOND THE SYLLABUS

Application of soft skills in real life



Prepared by
MR. B.SURESHBABU
MR. K. SUDHAKAR



12/4/19
 Verified by
VP/HEAD

J. Ramesh
 23/4/19

Approved by
PRINCIPAL



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PUNALKULAM, THANJAVUR - 613 303

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ACADEMIC YEAR 2019 - 2020 / ODD SEMESTER

LABORATORY MANUAL

Name of the Student : MD. Babu

Register Number : 8211205247

Year / Semester : II / III - CSE

Lab. Code & Name : Soft Skills



Training Manual

Soft Skills

(II year - Third Semester)

COMMON TO ALL BRANCHES

CONTENT

EX NO	DESCRIPTION	PAGE NO	DATE	MARKS	SIGN
1	Interpersonal Skills	8-9	16/7	07	✓
	Delivery Skills, Self Management Skills	9-10	16/7	07	✓
2	Fear Questionnaire	11	16/7	08	✓
3	Self Development	12	16/7	08	✓
4	Good Manners - Comprehension	14	13/8	08	✓
	Good Manners- Application	15	13/8	05	✓
	Good Manners- Analysis	16	13/8	05	✓
	Good Manners- Synthesis & Evaluation	16	20/7	07	✓
5	Resume Building	17	31/8	07	✓
6	Web sites for Reference (Job Portals)	20	-	-	-
7	Notes	21			

Exercise 1

Instructions

There are a total of 20 questions, in four categories. For each question, choose the best answer, from: Mostly/Sometimes/Rarely. And be as honest as you can.

Interpersonal Skills

Interpersonal skills are also known as people skills or communication skills. They are important for good communication and for positive relationships with colleagues

S.No	Questions	Sometimes	Rarely	Mostly
1.	Do you connect easily with people?			✓
2.	Do you make eye contact and have positive body language with those you're talking to?	✓		
3.	Are you generally optimistic, open-minded and have an overall positive attitude?	✓		
4.	Do you communicate clearly, concisely and with good grammar by email or letter?	✓		
5.	Do you actively participate in groups without dominating the discussions?			✓
TOTAL		12		

Personal Skills: Your Personal Skills drive and motivate you they inspire you to succeed in the given job.

S.No	Questions	Sometimes	Rarely	Mostly
1.	Do you know your weaknesses and try to improve them?			✓

Soft Skills refer to persons Emotional Intelligent Quotient

2.	Are you shy and avoid asking questions in public?		✓	
3.	Do you look for opportunities and take initiative?	✓		
4.	Do you generally look on the bright side of things?			✓
5.	Are you driven by the sense of achievement/accomplishment?			✓
TOTAL		12		

Delivery Skills - Delivery skills mean you can do a good job, on time. They mean you can be relied upon, and are a productive and valuable person for any business.

S.No	Questions	Sometimes	Rarely	Mostly
1.	Are you motivated and committed to getting the job done?			✓
2.	Are you punctual?	✓		
3.	Do you do things in good time and avoid leaving them to the last minute?			✓
4.	Are you able to work well on a number of tasks at the same time?	✓		
5.	Can you adapt easily to new and unexpected situations?			✓
TOTAL		13		

Self Management Skills - This enables you to become even better at what you do and helps you to overcome difficult situations and difficult people.

S.No	Questions	Sometimes	Rarely	Mostly
1.	Do you admit your mistakes?	✓		
2.	Do you admit your mistakes?	✓		

3.	Are you happy to follow instructions?	4		
4.	Can you accept constructive criticism easily?			4
5.	Can you debate without arguing?			4
TOTAL		10		

Your Total Score **47**

When you've finished each section, simply add up your score: —

Score 3 points for Mostly

Score 2 points for Sometimes and

Score 1 point for Rarely.

Score 50 – 75 Your skills are excellent and would be an asset to any business. You'll be able to do most things. Feel free to explore all your options and cast your job search net widely. You should have the confidence to try something new that appeals to you, and not necessarily stick with the things you've always done well.

Score 45 – 50 You have a solid skills base, though some of your skills could probably do with a little polishing. Try to focus on some of your weaker areas (where you scored yourself at 1) and strengthen them over time. Use someone you trust and whose opinion you value to help you build a plan of action. Remember, it's better to be competent (at least) in all skills areas, than to be very strong in some and very weak in others.

Score Below 45 Your soft skills need some work, but often a lack of self-confidence, or judging yourself too harshly, can mean that you're not scoring yourself accurately.

Ask a friend or family member to complete the questionnaire about you. Compare and discuss the results, and then use them to help you design your own skills-improvement plan. Complete the questionnaire again in a fortnight and see how your skills, and confidence, have begun to grow.

Remarks

Try to improve your interpersonal skills

Signature of staff

[Signature]

Exercise 2

Fear Questionnaire

Choose a number from the scale below to show how much you would avoid each of the situations listed below because of fear or other unpleasant feelings. Then write the number you choose in the space opposite each situation.

0	1	2	3	4	5	6	7	8
Would not Avoid it		slightly avoid it		Definitely avoid it		markedly avoid it		Always avoid it

Nothing in life is to be feared
It is only to be understood

S.No	Questions	Score
1.	Traveling alone or by bus	5
2.	Walking alone in busy streets	4
3.	Being watched or stared at	3
4.	Going into crowded shops	2
5.	Going to the dentist	4
6.	Sight of blood	3
7.	Being criticized	2
8.	Going alone far from home	1
9.	Going to the thriller show	3
10.	Speaking or acting to an audience	4
11.	Feeling miserable or depressed	6
12.	Feeling irritable or angry	7
13.	Feeling tense or panicky	8



Recognized under 2(f) & 12(B) act of UGC
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
TIME TABLE (July 2019 - December 2019, ODD SEM)
B.E - EEE (Regulation 2017)-With Effect from 20.06.2019

Batch: 2017-2021

Strength: 15

Year: III

Semester: V

Class Room: 133

Block: I

Session		1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.15 pm	5	6	02.45 pm - 03.00 pm	7	8
Day		09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.15pm - 02.00pm	02.00pm - 02.45pm		03.00pm - 03.45pm	03.45pm - 04.30pm
MON	OMD551	EE8501	BREAK	EE8551	EE8591	LUNCH BREAK	EE8501	CS8392	BREAK	OMD551	EE8552	
TUE	EE8501	EE8501		CS8392	EE8591		CS8383			CS8383		
WED	CS8392	EE8552		EE8591	EE8591		EE8511			EE8511		
THU	EE8551	OMD551		EE8591	EE8552		EE8591	EE8551		HS8581		
FRI	EE8552	LIB/NET		T&P(A)			OMD551	EE8501		CS8392	EE8551	

SUB. CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT.	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)						
EE8501	Power System Analysis	PC	3	Dr.S.Sivakumar	EEE	5
EE8551	Microprocessors and Microcontrollers	PC	3	Mrs.N.Arulmozhi	EEE	4
EE8552	Power Electronics	PC	3	Mr.J.Arokiaaraj	EEE	4
EE8591	Digital Signal Processing	PC	3(T)	Mr.R.Balakrishnan	ECE	6
CS8392	Object Oriented Programming	ES	3	Mrs.B.Sangeetha	CSE	4
OMD551	Basics of Biomedical Instrumentation	OE	3(OE1)	Mr.C.John Selvaraj	EEE	4
PRACTICAL (P)						
EE8511	Control and Instrumentation Laboratory	PC	2(P)	Mrs.N.Arulmozhi	EEE	4
HS8581	Professional Communication	EEC	1(P)	Mr.K.Anand Raj	ENG.	2
CS8383	Object Oriented Programming Laboratory	ES	2(P)	Mrs.B.Sangeetha	CSE	4
COMPETENCY DEVELOPMENT CLASS (CDC)						
LIB/NET	Library/Internet	---	---	Mr.J.Arokiaaraj	EEE	1
T&P(A)	Training and Placement (Aptitude)	CDC	---	Ms.P.Suganya	T&P	2

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO.
Mr.J.Arokiaaraj	K.Prabhakaran	08
CLASS COMMITTEE CHAIR PERSON	Mr.C.Balaji	

C. J. Arokiaaraj
 DEPT. TTC
 18/6/19

K. Prabhakaran
 HoD
 18/6/19

J. Arulmozhi
 PRINCIPAL
 19/6/19



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2019-20 / ODD SEMESTER
STUDENTS NAME LIST**

Year / Sem : III / V

Batch : 2016-2020

S.No.	Register No	Student Name
1.	821117105001	ADHAVAN S
2.	821117105002	DIVYA BHARATH R
3.	821117105003	GANESAN E
4.	821117105004	HARIHARAN R
5.	821117105005	ISHWARYA N
6.	821117105006	MANO M
7.	821117105007	NANDHINI M
8.	821117105008	PRABHAKARAN K
9.	821117105009	PRIYADHARSHINI R
10.	821117105010	RAGHUL P
11.	821117105011	SINDHU S
12.	821117105012	SUDHARSAN S
13.	821117105013	VIJAY C
14.	821117105301	GOPINATH P
15.	821117105302	HARIHARAN S



SYLLABUS

QUANTITATIVE APTITUDE - III YEAR (Fifth Semester)

Problems on Train - Introduction, important condition and types of train problems - same direction, opposite direction - concepts and formulas for slower train, faster train. 2

Surds & Indices - Definition & Difference between Surds number & Indices - laws of Indices - laws of Surds. 2

Operations on Numbers - Definition - Types of numbers - Test of divisibility - Place and Face value problems 2

Ratio & Proportion - Definition - important facts & formula - Ratio - Proportion. 2

Partnership - Definition of partnership - ratio of division of gains - working and sleeping partnership. 2

Logarithm - Definition of logarithm - characteristics - properties of logarithms - common logarithms. 2

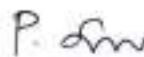
Allegations (or) Mixture - Definition, mean price - rules of allegation and important conditions. 2

Simple Interest - Definitions - Principal - interest - simple interest - formulae. 2

Compound Interest - Definition - compound interest and formulae - Sample problems 2

H.C.F & L.C.M of Numbers - Definition - Conditions of H.C.F & L.C.M - Factorize and Division method 2

Total Periods : 20

P. 
STAFF INCHARGE


VP/HEAD



DEPARTMENT OF TRAINING & PLACEMENT

Sub. Name	: Quantitative Aptitude	Branch / Year / Sem	: B.E (All Branch/III/V)
Staff Name	: Ms P.Suganya & Mr. B.Barankumar	Batch	: 2017-2021
		Academic Year	: 2019-20(ODD)

COURSE OBJECTIVE:

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude.

TEXT BOOKS

T1. Quantitative Aptitude - R. S. Aggarwal - S. Chand Publications

WEB RESOURCES

- W1. www.indiabix.com
 W2. www.indeed.com
 W3. www.freshersworld.com

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
PROBLEMS ON TRAIN						(2)
1.	Introduction, important condition and types of train problems – same direction, opposite direction	T1	405-407	BB	1	1
2.	Concepts and formulas for slower train, faster train. Sample problems	T1	408-424	BB	1	2
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> To analysis the concept of problems on train Describe the conditions and its directions 						
SURDS AND INDICES						(2)
3.	Definition & Difference between Surds number & Indices	T1 W1	195-198	BB	1	3
4.	Laws of Indices - laws of Surds. Sample problems	T1	199-207	BB	1	4
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Understand the concept of indices number Identify the surds and indices number along with the formulae 						
OPERATIONS ON NUMBERS						(2)
5.	Definition & Types of numbers	T1,W3	1-2	BB	1	5
6.	Tests of Divisibility - Place and Face value problems	T1 W2	3-15	BB	1	6
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Analyze the concept of numbers and test of divisibility Describe the conditions and its problems 						
RATIO AND PROPORTION						(2)
7.	Definition – important facts formula	T1	294-296	BB	1	7
8.	Ratio and Proportion, Sample problems	T1 W2	297-301	BB	1	8
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Describe and Compare Ratio and Proportions Analyze and solve the problems on Ratio and Proportions 						
PARTNERSHIPS						(2)
9.	Definition of partnership	T1	311-312	BB	1	9
10.	Ratio of division of gains – Working and sleeping Partnership	T1	313-317	BB	1	10

LEARNING OUTCOME

At the end of unit, students should be able to

- Analyze & Compare the functioning of working and Sleeping Partners
- Solve the problems on various partnership types.

LOGARITHMS**(2)**

11	Definition of logarithm - characteristics - Properties of logarithms	T1	487-488	BB	1	11
12	Common logarithms	T1,W3	487-488	BB	1	12

LEARNING OUTCOME

At the end of unit, students should be able to

- Describe common logarithms and Exponential form
- Identify the application of logarithms

ALLIGATION OR MIXTURE**(2)**

13	Definition, mean price - rules of Allegation and important conditions	T1	435-436	BB	1	13
14	Sample problems	T1	437-439	BB	1	14

LEARNING OUTCOME

At the end of unit, students should be able to

- Analyze the concept of Allegation or Mixture
- Realize the Mean price and Rules

SIMPLE INTEREST**(2)**

15	Definitions - Principal - interest - simple interest formulae	T1	445-447	BB	1	15
16	Sample problems	T1	448-453	BB	1	16

LEARNING OUTCOME

At the end of unit, students should be able to

- Outline knowledge on Principal, Rate of Interest, Time
- Explain the difference between Simple interest & Compound interest

COMPOUND INTEREST**(2)**

17	Definitions - Compound interest & formulae	T1	466-470	BB	1	17
18	Sample problems	T1,W3	470-473	BB	1	18

LEARNING OUTCOME

At the end of unit, students should be able to

- Describe and Comparison of Simple and compound interest problems
- Analyze and solve the problem on compound interest

H.C.F & L.C.M OF NUMBERS**(2)**

19	Definition - Conditions of H.C.F & L.C.M -	T1	30-34	BB	1	19
20	Factorize and Division method	T1	35-39	BB	1	20

LEARNING OUTCOME

At the end of unit, students should be able to

- Describe and Comparison of Highest Common Factor and Least Common Multiplier.
- Analyze and solve the problem on L.C.M & H.C.F.

COURSE OUTCOME

At the end of the course, the students will be able to

- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

CONTENT BEYOND THE SYLLABUS

1. Solving various Company Question papers.

P. Suv.

Prepared by
Ms. P. SUGANYA
MR. B. BARANKUMAR


Verified By
VP/HEAD


23/4/19
Approved by
PRINCIPAL



KINGS

COLLEGE OF ENGINEERING
Punalkulam, Thanjavur.

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



ISO 9001 : 2008

Attendance and Assessment Record

Name of the Staff : Ms. P. Suganya

Department : Training and Placement

Subject Code & Name : Aptitude

Branch : III EEE

Semester : V

Attendance and Assessment Record

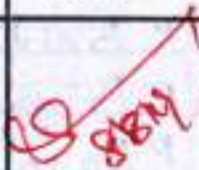

Name of the Staff : P. Suganya Dept T&P

Name of the Subject : Aptitude Code _____

Branch EEE

Semester V Year III

Date of Commencement : 20.06.19 . Last Working Day 19.10.19

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
End of the First Month	12	10	50%	
End of the Second Month	20	20	100%	
End of the Third Month				
End of the Fourth Month				

S. Narayana
19/12/2019

PRINCIPAL

Attendance and Assessment Record

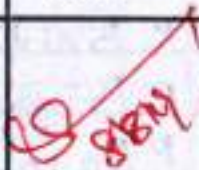

Name of the Staff : P. Suganya Dept T&P

Name of the Subject : Aptitude Code _____

Branch EEE

Semester V Year III

Date of Commencement : 20.06.19 . Last Working Day 19.10.19

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
End of the First Month	12	10	50%	
End of the Second Month	20	20	100%	
End of the Third Month				
End of the Fourth Month				

S. Narayana
19/12/2019

PRINCIPAL

Attendance Particulars												
Roll No.	Name	Date	21	21	28	28	5	5	12	12	26	26
		Month	6	6	6	6	7	7	7	7	7	7
		Period	3	4	3	4	3	4	3	4	3	4
1	S. Adhavan		a	a	/	/	/	/	/	/	/	/
2	R. Divya Abharath		/	/	a	a	/	/	/	/	/	/
3	E. Ganesan		/	/	/	/	/	/	/	/	/	/
4	R. Hariharan		a	a	/	/	/	/	/	/	/	/
5	N. Ishwarya		/	/	/	/	/	/	/	/	/	/
6	M. Manoj		a	a	/	/	/	/	/	/	/	/
7	M. Nandhini		/	/	a	a	/	/	/	/	/	/
8	K. Prabhakaran		a	a	a	a	/	/	/	/	/	/
9	R. Priyadarshini		/	/	/	/	/	/	/	/	/	/
10	P. Raghu		/	/	/	/	/	/	/	/	/	/
11	S. Sindhu		/	/	/	/	/	/	/	/	/	/
12	S. Sudharsan		a	a	/	/	/	/	/	/	/	/
13	C. Vijay		a	a	/	/	/	/	/	/	/	/
14	P. Gopinath		a	a	/	/	/	/	/	/	/	/
15	S. Hariharan		a	a	/	/	/	/	/	/	/	/
16												
17												
18												
19												
20												
21												
22												
23	Present		7	7	12	12	15	15	15	15	15	15
24	Absent		8	8	3	3	-	-	-	-	-	-
25	Signature		P	P	P	P	P	P	P	P	P	P

2

1.2.2_1&P_41

Roll No.												
	2	2	9	9	16	16	23	23	30	6		
	8	8	8	8	8	8	8	8	8	9		
	3	4	3	4	3	4	3	4	4	4		
1	/	/	/	/	/	/	/	/	/	/		
2	/	/	a	a	/	/	/	/	/	/		
3	/	/	/	/	/	/	/	/	/	/		
4	/	/	/	/	/	/	/	/	/	/		
5	a	a	/	/	/	/	/	/	/	/		
6	/	/	/	/	/	/	/	/	/	/		
7	a	a	/	/	/	/	/	/	/	/		
8	/	/	/	/	/	/	/	/	/	/		
9	/	/	/	/	/	/	/	/	/	/		
10	/	/	/	/	/	/	/	/	/	/		
11	/	/	/	/	/	/	/	/	/	/		
12	/	/	/	/	/	/	/	/	/	/		
13	/	/	a	a	a	a	/	/	/	/		
14	a	a	/	/	/	/	/	/	/	/		
15	/	/	/	/	a	a	a	a	/	/		
16												
17												
18												
19												
20												
21												
22												
23	12	12	13	13	13	13	14	14	13	11		
24	3	3	2	2	2	2	1	1	2	4		
25	P	P	P	P	P	P	P	P	P	P		

3

Attendance Particulars		
Roll No.	Name	Date
		Month
		Period
1	S. Adhavan	
2	R. Divya Bharath	
3	E. Gracelan	
4	R. Hariharan	
5	N. Ishwarya	
6	M. Manu	
7	M. Nandhini	
8	K. Prabhakaran	
9	R. Priyaalaxshini	
10	P. Raghu	
11	S. Sindhu	
12	S. Sudharsan	
13	C. Vijay	
14	P. Gopinath	
15	S. Hariharan	
16		
17		
18		
19		
20		
21		
22		
23		Present
24		Absent
25		Signature

6

[illegible]

1

Unit No.	Date	TOPICS COVERED	PERIOD	CUMULATIVE PERIOD	STAFF INITIAL	HOD INITIAL
1.	21.06.19	Aptitude - Introduction and types	3	1	R	
		Problems on Trains - Definition, Conditions and Problems Solved	4	2	R	
	22.06.19	Problems on Trains - Same, opposite direction				
		Problems Solved	3	3	R	
		Problems on numbers and test of divisibility				
		Problems Solved	4	4	R	
	05.07.19	Squads and Indices Definition, Condition and Squads problems Solved	3	5	R	
		Indices problems Solved	4	6	R	
	12.07.19	Ratio and Proportion - Definition, Ratio problems	3	7	R	
		Proportion problems Solved	4	8	R	
Hours Planned:			Hours Handled:			

26

Unit No.	Date	TOPICS COVERED	PERIOD	CUMULATIVE PERIOD	STAFF INITIAL	HOD INITIAL
	26.07.19	Partnerships - Definition Conditions and Partnership Problems	3	9	R	
		Partnerships - Working and sleeping partners	4	10	R	
	02.08.19	Test	3	11	R	
		Partnerships - Working and sleeping partners	4	12	R	
	09.08.19	Logarithms - Definition, Characteristics	3	13	R	
		Logarithms - Common log problems Solved	4	14	R	
	16.08.19	Logarithms problems Solved	3	15	R	
		Allegation or Mixture - Definition, Rule, problems Solved	4	16	R	
	23.08.19	Allegation or Mixture Allegation problems Solved	3	17	R	
Hours Planned:			Hours Handled:			

27

RECORD OF CLASS WORK						
Unit No.	Date	TOPICS COVERED	PERIOD	CUMULATIVE PERIOD	STAFF INITIAL	HOD INITIAL
	23.08.19	Allegation or Mixture				
		Ratio Problems Solved	4	18	BS	
	30.08.19	Simple Interest -				
		Definition, formula's				
		and problems solved	4	19	BS	
	06.09.19	Simple and Compound				
		interest problems solved	1	20	BS	
	Verified					
	P. 1					
	19/12/19					
	J. Prasad					
	19/12/2019					
Hours Planned:			Hours Handled:			



Training Manual

Aptitude

(III year - Fifth Semester)

DEPARTMENT OF CSE, ECE, EEE



Department of Training & Placement

Training Manual - Aptitude

III Year - Fifth Semester

NAME	R. Soundarya
REGISTER NUMBER	821117106039
CLASS	III / V - ECE
YEAR / SEMESTER	
STAFF INCHARGE	

Prepared by

P. Suganya - Asst Prof - Training & Placement

B. Barankumar - Asst Prof - Training & Placement

CONTENT

EX. NO	DESCRIPTION	PAGE NO	DATE	MARKS	SIGN
1	Problems on Speed	10-12	27.6.19	10	P.Lm
2	Surds and Indices	13-14	4.7.19	10	P.Lm
3	Operations on Numbers	15-17	11.7.19	10	P.Lm
4	Ratio and Proportion	18-20	18.7.19	10	P.Lm
5	Partnerships	21-22	25.7.19	10	P.Lm
6	Logarithms	23-24	1.8.19	9	P.Lm
7	Alligation (or) mixture	25-26	8.8.19	10	P.Lm
8	Simple Interest	27-28	22.08.19	10	P.Lm
9	Compound Interest	28-30	22.08.19	10	P.Lm
10	HCF & LCM of numbers	31-33	28.08.19	9	P.Lm

TOPIC: 1 PROBLEMS ON TRAINS

Note:

1. Time taken by a train of length l meters to pass a pole or a standing man or a single post is equal to the time taken by the train to cover l meters.
2. Time taken by a train of length l meters to pass a stationary object of length b meters is the time taken by the train to cover $(l + b)$ meters.
3. Suppose two trains or two bodies are moving in the same direction at u m/s and v m/s, where $u > v$, then their relative speed = $(u - v)$ m/s.
4. Suppose two trains or two bodies are moving in the opposite direction at u m/s and v m/s, then their relative speed = $(u + v)$ m/s.
5. If two trains of length a meters and b meters are moving in the opposite direction at u m/s and v m/s, then the time taken by the faster train to cross each other = $(a + b)/(u + v)$ sec.
6. If two trains of length a meters and b meters are moving in the same direction at u m/s and v m/s, then the time taken by the faster train to cross the slower train = $(a + b)/(u - v)$ sec.
7. If two trains start at the same time from points A and B towards each other and after crossing they take a and b sec in reaching B and A respectively. Then $(A's\ speed) : (B's\ speed) = (\sqrt{b} : \sqrt{a})$.

Exercise: 1

1. The length of a train and that of a platform are equal. If with a speed of 90 km/hr, it crosses the platform in one minute, then length of the train is
a) 500 b) 600 ☒ c) 750 d) 900
2. A train 280m long running with a speed of 63 km/hr will pass a tree in:
a) 15 sec ☒ b) 16 sec c) 18 sec d) 20 sec
3. A train 132m long passes a telegraph pole in 6 seconds. Find the speed of the train.
a) 70 km/hr b) 72 km/hr ☒ c) 79.2 km/hr d) 80 km/hr
4. How many seconds will a 500m long train take to cross a man walking with a speed of 3 km/hr in the direction of the same train in the speed of the train is 63 km/hr?
a) 25 ☒ b) 30 c) 40 d) 45
5. A train 110m long is running with a speed of 60 km/hr in what time will it pass a man who is running at 6 km/hr in the direction opposite to that in which the train is going?
a) 5 sec ☒ b) 6 sec c) 7 sec d) 10 sec
6. Two trains are moving in opposite direction @ 60 km/hr and 90 km/hr. Their length is 1.10km and 0.9 km respectively. The time taken by the slower train to cross the faster train is:
a) 36 b) 45 ☒ c) 48 d) 49
7. Two trains are 140m and 160m long run at the speed of 60km/hr and 40km/hr respectively in opposite directions on parallel tracks. The time (in seconds) which they take to cross each other is:
a) 9 b) 9.6 c) 10 ☒ d) 10.8
8. A train 125m long passes a man, running at 5 kmph in the same direction in which the train is going in 10 seconds. The speed of the train is:
☒ a) 45km/hr b) 50km/hr c) 54km/hr d) 55km/hr

9. A train 110m passes a man running at the speed of 6 kmph in the direction opposite to that of the train, in 6 seconds. The speed of the train is:
a) 54km/hr ☒ b) 60 km/hr c) 66km/hr d) 72 km/hr
10. Two trains of equal length take 10 sec and 15 sec respectively to cross a telegraph post. If the length of each train be 120 meters, in what time (in seconds) will they cross each other travelling in opposite direction?
a) 10 ☒ b) 12 c) 15 d) 20
11. A speed of 14 meters per second is the same as:
a) 28 km/hr b) 46.6 km/hr ☒ c) 50.4 km/hr d) 70 km/hr
12. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. Find the length of the train.
☒ a) 150 m b) 180 m c) 324 m d) 135 m
13. A train 100m long is running at the speed of 30 km/hr. Find the time taken by it to pass a man standing near the railway line
☒ a) 12 sec b) 15 sec c) 18 sec d) 14 sec
14. A train is moving at a speed of 132 km/hr. If the length of the train is 110 m, how long will it take to cross a railway platform 165 m long?
☒ a) 7.5 sec b) 8 sec c) 7 sec d) 10.8 sec
15. Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each other in 23 seconds. The ratio of their speeds is:
a) 1:3 ☒ b) 3:2 c) 3:4 d) None of these
16. Two trains of equal length are running on parallel lines in the same direction at 46 km/hr and 36 km/hr. The faster train passes the slower train in 36 seconds. The length of each train is:
☒ a) 50 m b) 72 m c) 80 m d) 82 m
17. A goods train runs at the speed of 72 km/hr and crosses a 250 m long platform in 26 seconds. What is the length of the goods train?
a) 230 m b) 240 m c) 260 m ☒ d) 270m
18. Two trains of equal length take 10 sec and 15 sec respectively to cross a telegraph post. If the length of each train be 120 meters, in what time (in seconds) will they cross each other travelling in opposite direction?
a) 10 ☒ b) 12 c) 15 d) 20
19. Two trains 100m and 120m long running in the same direction with speed of 72 km/hr and 54 km/hr. In how much time will the first train cross the second?
☒ a) 44 sec b) 45 sec c) 48 sec d) 48 sec
20. A train 220m long is running with a speed of 59 km/hr. In what time will it pass a man who is running at 7 km/hr in the direction opposite to that in which the train is going?
☒ a) 12 sec b) 15 sec c) 18 sec d) 21 sec

Ans	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
b.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Marks

10/10

Signature of Staff

P. Luv



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
TIME TABLE (June 2019 - Nov 2019, ODD SEM)
B.E - ECE (Regulation 2017)-With Effect from 20.06.2019

Batch: 2016-2020

Strength: 55

Year: IV

Semester: VII

Class Room: 121

Block: I

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.15 pm	5	6	02.45 pm - 03.00 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.15pm - 02.00pm	02.00pm - 02.45pm		03.00pm - 03.45pm	03.45pm - 04.30pm
MON	EC6004	EC6701	BREAK	EC6703	EC6011	LUNCH BREAK	EC6702	T&P(A)	BREAK	EC6701	EC6016
TUE	EC6702	EC6701		EC6011	EC6703		EC6004	EC6711 /6712		EC6711/6712	
WED	EC6011	EC6016		EC6701	EC6004		EC6016	EC6011		EC6703	EC6702
THU	EC6004	EC6702		EC6703	EC6702		EC6011	EC6016		EC6701	EC6004
FRI	EC6016	EC6711 /6712		EC6712/6711			EC6703	LIB/NET		T&P(S)	

SUB CODE	NAME OF THE SUBJECT	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)					
EC6701	RF and Microwave Engineering	3	Mr.R.Thandayuthapani	ECE	5
EC6702	Optical Communication and Networks	3	Mr.K.Sudarsanan	ECE	5
EC6703	Embedded and Real Time Systems	3	Dr.T.Shanthi	ECE	5
EC6004	Satellite Communication	3(E)	Mr.W.Newton David Raj	ECE	5
EC6011	Electro Magnetic Interference and Compatibility	3(E)	Mrs.P.Thirumagal	ECE	5
EC6016	Opto Electronic Devices	3(E)	Mrs.D.Vennila	ECE	5
PRACTICAL (P)					
EC6711	Embedded Laboratory	2(P)	Mr.T.Pasupathi Mr. K. Sudarsanan Mrs. N. Mangaiyarkarasi	ECE	3
EC6712	Optical and Microwave Laboratory	2(P)	Mr.R.Thandayuthapani Mrs. D. Vennila	ECE	3
COMPETENCY DEVELOPMENT CLASS (CDC)					
LIB/NET	Library/Internet	---	Mr.R.Thandayuthapani	ECE	1
T&P(S)	Training and Placement - Soft Skills	CDC	Mr.B.Sureshbabu	T&P	2
T&P(A)	Training and Placement - Aptitude	CDC	Ms.P.Suganya	T&P	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NOs.
Mr.R.Thandayuthapani	Ilankhatir.E,Kayadevi.G	19,24
CLASS COMMITTEE CHAIR PERSON	Mrs.R.Ponni	



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2019-20 / Odd Semester

Student Name List - Effect from 11.07.2019

Year/Sem.

: IV / VII

Batch: 2016-2020

R.No	Register No.	Name of the Student	R.No	Register No.	Name of the Student
1	821116106001	ABARNA. P	27	821116106034	POOVIZHI. A
2	821116106002	ABARNA. R	28	821116106035	PRIYADHARSHINI. G
3	821116106003	ABINAYAKARTHIKA. T	29	821116106036	PRIYADHARSHINI. K
4	821116106004	AGALYA. S	30	821116106037	PRIYADHARSHINI. P
5	821116106006	AKALYA. K	31	821116106038	RANJITHA. C
6	821116106007	ANTONY BERNAD. F	32	821116106039	RANJITHA. D
7	821116106008	ARCHANA. T	33	821116106040	RASIKA. M
8	821116106009	ARIYAVARSHINI. J	34	821116106041	SANTHAKUMARI. J
9	821116106011	BALARAMAN. A. K	35	821116106042	SANTHIYAR
10	821116106012	DHANAHARSHINI. S	36	821116106043	SASIREKHA. V
11	821116106013	DHANASEKARAN. S	37	821116106044	SEDHUPATHI. M
12	821116106014	DHIVYA DHARSHINI. R	38	821116106045	SOWMIYAR
13	821116106015	DHURKA. K	39	821116106046	SRIPRIYA. M
14	821116106016	DIVAKAR. S	40	821116106047	SUTHA. M
15	821116106017	ELAKIYA KOWSHIKA. A	41	821116106048	TAMILAZHAGI. T
16	821116106018	HARINI. M	42	821116106051	VASUDEVAN. T
17	821116106019	ILANKHATHIRE	43	821116106052	VEERAMANI. M
18	821116106020	INDHUJA. J	44	821116106054	VIDHYA. K
19	821116106022	JAWAHAR. M	45	821116106056	VINITHA. K
20	821116106023	JEEVA. S	46	821116106057	VITHYASRI. U. K
21	821116106024	JENIFER. X	47	821116106058	YASIK RAHMAN. B
22	821116106025	KAYADEVI. G	48	821116106301	HARIHARAN. M
23	821116106026	KOWSALYA. M	49	821116106302	PUGALENDHI. K
24	821116106029	MEERA. K	50	821116106702	ESWARLL
25	821116106030	MEGALA. M	51	821116106901	PAVITHRA. N
26	821116106031	MOHAMMED ASHIF KHAN. S	52	821116106010	BALAJI. M



**DEPARTMENT OF TRAINING & PLACEMENT
SYLLABUS
SOFTSKILLS - IV YEAR (Seventh Semesters)**

1. Interview Skills**4**

A to Z of interview - Types of interview - Phone interview - Questions Asked - Reason for rejecting the candidate - on the day of interview.

2. Group Discussion**4**

Need and Scope - Characters Tested in a GD - Tips on GD - Types of GD - Skills Required in a GD - Behaviour in GD - Essential Elements - GD Etiquette - Non Verbal Communication in A GD.

3. Etiquette and Manners**2**

Etiquette - Introduction, Classification. Manner - Introduction practicing good manners, Professional manners - Corporate grooming tips.

Total Periods: 10

B. S. M.
STAFF INCHARGE

S. S. S.
VP/HOD



**DEPARTMENT OF TRAINING & PLACEMENT
COURSE PLAN**

Sub. Name: Soft Skills	Branch / Year / Sem : B.E (All Branch/IV/VII)
Staff Name: Mr. B. Suresh Babu & Mr. K. Sudhakar	Batch : 2015-2019 Academic Year : 2019-20(ODD)

COURSE OBJECTIVE:

1. To learn the importance of interview skills to compete in the recruitment process.
2. To accomplish the knowledge on the basics of interview skills.
3. To build skills to participate in group discussions.
4. To impart and enhance the students etiquette and manners needed for corporate life.

TEXT BOOKS

T1. Soft Skills - Know yourself and the world - Dr. K. Alex- S. Chand & Co Ltd.

WEB RESOURCES

- W1. <https://www.interviewbest.com/member/presentation>
 W2. <http://www.gcfllearnfree.org/interviewingskills/>
 W3. <http://www.a-to-z-of-manners-and-etiquette.com/rage-page.html>

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
INTERVIEW SKILLS						(4)
1.	A to Z of interview – Types of interview	T1	205 - 206	BB & intensive class room exercise	1	1
2.	Phone interview – Questions Asked	T1	212 - 214	BB & intensive class room exercise	1	2
3.	Reason for rejecting the candidate	T1, W1	208-209	BB & PPT intensive class room exercise	1	3
4.	On the day of interview.	T1	209-210	BB & intensive class room exercise	1	4
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Analyze the various interview skills required Understand the dos and don'ts in an interview Awareness about the reason for rejection in an interview process 						
GROUP DISCUSSION						(4)
5.	Need and Scope – Characters Tested in a GD	T1	147 - 150	BB & intensive class room exercise	1	5
6.	Tips on GD – Types of GD	T1	150 - 151	BB & intensive class room exercise	1	6
7.	Skills Required in a GD – Behaviour in GD – Essential Elements	T1, W2	152 - 153	BB & PPT intensive class room exercise	1	7
8.	GD Etiquette – Non Verbal Communication in A GD.	T1	154 - 155	BB & PPT intensive class room exercise	1	8
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Understand the concept of group discussion Identify the skills and behaviours required to attend a group discussion 						
ETIQUETTE AND MANNERS						(2)
9.	Etiquette – Introduction, Classification.	T1, W3	164-168	PPT & intensive class room exercise	1	9
10.	Manner – Introduction practicing good manners, Professional manners – Corporate grooming tips.	T1	169-177	PPT & intensive class room exercise	1	10
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Understand the concept of Etiquette. 						

- Analyze about skills related to manners.

COURSE OUTCOME

At the end of the course, the students will be able to

- Understand and apply the interview skills.
- Identify and apply skills required to get through in group discussions.
- Enough confidence and knowledge on approaching interviews.

CONTENT BEYOND THE SYLLABUS

Positive body language in interview process.

EVALUATION TEST

Mock interviews and Group Discussions.

B. Suresh Babu
Prepared By
(B.SURESH BABU/AP)

J. M. M. M. M.
12/4/15
Approved By
PRINCIPAL

gms
Verified By
VP/HEAD T & P



SYLLABUS

QUANTITATIVE APTITUDE - IV YEAR (Seventh Semester)

Coding and Decoding - Introduction, important condition and types of number coding and alphabets coding - Analogy.	2
Reasoning - Definition-Reasoning and types of reasoning problems	2
Ratio and Proportion - Definition - Variations and Problems	2
Time and work - Definition - working with different efficiencies	2
Blood Relations - Definition - generation related problems on blood relation.	2

Total Periods: 10

P. Luv
STAFF INCHARGE

VP/HEAD



**DEPARTMENT OF TRAINING & PLACEMENT
COURSE PLAN**

Sub. Name : Quantitative Aptitude	Branch / Year / Sem : B.E (All Branch/IV/VII)
Staff Name : Ms P.Suganya & Mr. B. Barankumar	Batch : 2016-2020 Academic Year : 2019-20(ODD)

COURSE OBJECTIVE:

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude.

TEXT BOOK:

T1. Quantitative Aptitude - R.S. Aggarwal – S. Chand Publications

T2. A Modern Approach to the verbal & Non – verbal reasoning – R.S. Aggarwal

WEB RESOURCES

W1. www.indiabix.com

W2. www.indeed.com

W3. www.freshersworld.com

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
CODING AND DECODING						(2)
1.	Introduction, important condition and types of number coding and	T2	213 - 219	BB	1	1
2.	Alphabets coding - Analogy.	T2	194 - 200	BB	1	2
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Analyze the concept of coding and decoding concepts Solve the problems on coding, alphabets coding and analogy. 						
REASONING						(2)
3.	Definition - Reasoning and types of reasoning	T1 W1	649 - 657	BB	1	3
4.	Discussion of Company Question Paper	T1	658 - 665	BB	1	4
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Understand the concept of Reasoning and its types. Identify the alphabetical and numerical types of problems 						
RATIO AND PROPORTION						(2)
5.	Definition - variations	T1	294 - 296	BB	1	5
6.	Problems on variations	T1, W2	297- 310	BB	1	6
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Describe and Compare ratio and proportion Analyze and solve the problems on ratio and proportions 						
TIME AND WORK						(2)
7.	Definition - working with different efficiencies	T1 W3	341 - 344	BB	1	7
8.	Types of time and work problems	T1	345 - 370	BB	1	8
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Analyze the functioning of time and work Solve the problems on time and work 						
BLOOD RELATIONS						(2)
9.	Definition - generation related problems	T2	654 - 665	BB	1	9
10.	Problems on blood relation.	T2, W3	261 - 276	BB	1	10
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Describe common logarithms and Exponential form Identify the application of logarithms 						

COURSE OUTCOME

At the end of the course, the students will be able to

- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

CONTENT BEYOND THE SYLLABUS

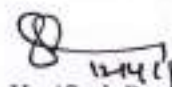
1. Solving various Company Question papers.

P. Lm.

Prepared by

Ms. P. SUGANYA

Mr. B. BARANKUMAR


Verified By
VP/HEAD

J. M. M. S.
23/4/19
Approved by
PRINCIPAL



KINGS

COLLEGE OF ENGINEERING
Punalkulam, Thanjavur.

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



ISO 9001 : 2008

Attendance and Assessment Record

Name of the Staff : Mr. B. Suresh Babu, Ms P. Suganya

Department : Training and Placement



Subject Code & Name : Soft skills, Aptitude

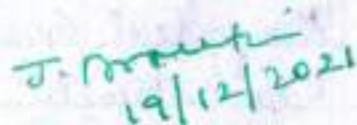
Branch : IV ECE

Semester : VII

Attendance and Assessment Record

Name of the Staff : Mr. B. Suresh Babu, Dept TEP
 Name of the Subject : Ms P. Suganya Code _____
 Branch : SS/ Aptitude
 Semester : FCI Year IV
 Date of Commencement : 20.06.19 . Last Working Day 19-10-2019

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
Softskills	5	5	50 %	
End of the First Month	5	4	40 %	
Aptitude	7	7	70 %	
Softskills	10	7+3(10)	100 %	
End of the Second Month	8	5+1(6)	100 %	
Aptitude	10	10	100 %	
End of the Third Month				
End of the Fourth Month				


 19/12/2021

PRINCIPAL

Attendance Particulars		
Roll No.	Name	Date
		Month
		Period
1	Abarna. P	
2	Abarna. R	
3	Abinaya Karthika	
4	Agalya. S	
5	Akalya. K	
6	Antony Bernad. F	
7	Archana. T	
8	Aziyavanshini. J	
9	Balaraman. A.K	
10	Dhanashashini. S	
11	Dhanasekaran. S	
12	Dhinyadharshini. R	
13	Dhruva. K	
14	Divakar. R. S	
15	Elakya Kowsika.	
16	Hazini. M	
17	Ilankkattir. E	
18	Indhuja. J	
19	Jasrahar. M	
20	Jeeva. S	
21	Jenifer. X	
22	Kanjadevi. G	
23	Konisalaya. M	
24	Meera. K	
25	Megala. M	

Aptitude										
Roll No.	24	1	8	12	15	22	29	5	19	26
	6	7	7	7	7	7	7	8	8	8
	6	6	6	7	6	6	6	6	7	6
1	/	/	/	/	/	/	/	/	/	/
2	/	/	a	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/
4	/	/	a	/	/	/	/	/	/	/
5	a	/	/	/	/	/	/	/	/	/
6	/	/	a	a	a	/	a	/	/	/
7	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/
9	/	/	a	a	a	/	/	/	/	/
10	a	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/
13	/	/	/	a	/	/	/	/	/	/
14	/	/	a	/	/	/	/	/	/	/
15	/	/	/	/	/	/	/	/	/	/
16	/	/	/	/	/	/	/	a	/	/
17	/	/	/	/	/	/	/	/	/	/
18	/	a	/	/	/	/	/	/	/	/
19	00	/	a	a	a	/	/	/	/	/
20	a	/	/	/	/	/	/	/	/	/
21	/	/	a	/	/	/	/	/	/	a
22	/	/	/	/	/	/	/	/	/	/
23	a	a	/	/	/	/	/	/	/	/
24	/	/	/	/	/	/	/	/	/	/
25	/	/	a	/	/	/	/	/	/	/

Attendance Particulars		
Roll No.	Name	Date
		Month
		Period
26	Mohamed Asif Khan.	
27	Pravizhi. A	
28	Priyadharshini. C	
29	Priyadharshini. K	
30	Priyadharshini. P	
31	Ranjitha. C	
32	Ranjitha. D	
33	Rasika. M	
34	Santhakumari. J	
35	Santhiya. R	
36	Sasirekha. V	
37	Sedhupathi. M	
38	Sowmiya. R	
39	Sripriya. M	
40	Sutha. M	
41	Tamilazhagi. T	
42	Vasudevan. T	
43	Veeramani. M	
44	Vidhya. K	
45	Vinitha. K	
46	Vithyasri. U. K	
47	Yasik Rahman. B	
48	Harsharan. M	
49	Rugalendhi. K	
50	Esuari. L	

Roll No.	24	1	8	12	15	22	29	5	19	26
	6	7	7	7	7	7	7	8	8	8
	6	6	6	7	6	6	6	6	7	6
26	/	/	a	/	/	/	/	/	/	/
27	/	/	/	/	/	/	/	a	a	a
28	a	/	/	/	/	/	a	/	/	/
29	a	/	/	/	/	/	/	/	/	/
30	/	/	/	/	/	/	/	/	/	/
31	/	/	/	/	/	/	/	/	/	/
32	/	/	/	/	/	/	/	/	/	/
33	/	/	/	/	a	/	/	/	/	/
34	/	/	/	/	/	/	/	/	/	/
35	/	/	/	a	/	/	/	/	/	/
36	/	/	/	/	/	/	/	/	/	/
37	/	a	a	/	/	/	/	/	/	a
38	/	/	/	/	/	/	/	/	/	/
39	/	a	/	/	/	a	/	/	/	/
40	/	/	/	/	/	/	/	/	/	a
41	/	/	a	/	/	/	/	/	/	/
42	/	/	a	/	a	/	a	/	/	a
43	/	/	/	/	/	/	a	/	/	/
44	/	/	/	/	/	/	/	/	/	/
45	/	/	/	/	/	/	/	/	/	/
46	/	/	/	/	/	/	/	/	/	/
47	/	/	/	/	/	/	/	/	/	/
48	/	/	a	/	/	/	/	/	/	/
49	/	/	a	/	/	/	/	/	/	a
50	/	/	/	/	/	/	/	/	/	/

Attendance Particulars		
Roll No.	Name	Date
		Month
		Period
51	Parithaa. N	
52	Balaji. M	
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72		
73		
74		
75		
		Present
		Absent
		Staff Signature

Roll No.	24	1	8	12	15	22	29	5	19	26
	6	7	7	7	7	7	7	8	8	8
	6	6	6	7	6	6	6	6	7	6
51	/	/	/	a	/	/	/	/	/	/
52	-	-	-	/	a	/	/	/	/	/
53										
54										
55										
56										
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74										
75										
Pr	45	47	37	45	46	51	48	50	51	46
Ab	06	04	14	06	06	02	04	02	01	06
Sig.	P	P	P	P	P	P	P	P	P	P

20

Attendance Particulars			Soft Skills											
Roll No.	Name	Date	21	21	28	28	05	05	12	26	26	2		
		Month	6	6	6	6	7	7	7	7	7	8		
		Period	1	4	1	8	7	8	8	1	8	7		
1	Abarna P		1	1	1	1	1	1	1	1	1	1		
2	Abarna R		1	1	1	1	1	1	1	1	1	1		
3	Abinaya Karthika T		1	1	1	1	1	1	1	1	1	a		
4	Agalya S		1	1	1	1	1	1	1	1	1	1		
5	Akalya K		a	a	1	1	1	1	1	1	1	1		
6	Antony Bernad F		1	1	1	1	a	a	a	1	1	1		
7	Archana T		1	1	1	1	1	1	1	1	1	1		
8	Arivayanshini J		1	1	1	1	1	1	1	1	1	1		
9	Balaraman AK		1	1	1	1	1	a	1	1	1	1		
10	Dhanashashini S		a	a	1	1	1	1	1	1	1	a		
11	Dhanasekaran S		1	1	1	1	1	1	1	1	1	1		
12	Dhivyadharshini R		1	1	1	1	1	1	1	1	1	1		
13	Dhivika K		1	1	1	1	1	1	1	1	1	1		
14	Dinakar R S		1	1	1	1	1	1	1	1	1	1		
15	Elakiga Kowshika A		1	1	1	1	1	1	1	1	1	1		
16	Haritha M		1	1	1	1	1	1	1	1	1	1		
17	Ilankkattir E		1	1	1	1	1	1	1	1	1	1		
18	Indhuja J		1	1	1	1	1	1	1	1	1	1		
19	Jansakar M		1	1	1	1	a	a	a	1	1	a		
20	Jeeva S		1	1	1	1	a	a	1	1	1	1		
21	Jenifer X		a	a	1	1	1	1	1	1	1	1		
22	Kalyadevi G		1	1	1	1	1	1	1	1	1	1		
23	Kanishka M		a	a	1	1	1	1	1	1	1	1		
24	Maera K		1	1	1	1	1	1	1	1	1	1		
25	Megala M		1	1	1	1	1	1	1	1	1	1		

Roll No.	2	23	23	26	13	20	
	8	8	8	9	9	9	
	8	7	8	8	8	8	
1	1	1	1	1	1	1	
2	1	1	1	1	1	1	
3	a	1	1	1	1	1	
4	1	1	1	1	1	a	
5	1	1	1	1	a	1	
6	1	1	1	1	1	1	
7	1	1	1	1	a	1	
8	1	1	1	1	1	1	
9	1	1	1	1	1	1	
10	a	1	1	1	1	1	
11	1	1	1	1	1	1	
12	1	1	1	1	1	1	
13	1	1	1	1	1	1	
14	1	1	1	1	1	1	
15	1	1	1	1	1	1	
16	1	1	1	1	1	1	
17	1	1	1	1	1	1	
18	1	1	1	1	1	1	
19	a	1	1	1	1	1	
20	1	1	1	a	1	1	
21	1	1	1	1	1	1	
22	1	1	1	1	1	1	
23	1	1	1	a	1	1	
24	1	1	1	1	1	1	
25	1	1	1	1	1	1	

Attendance Particulars												
Roll No.	Name	Date	21	21	22	23	24	25	26	27	28	29
		Month	6	6	6	7	7	7	7	8	8	8
		Period	7	8	8	7	8	7	8	7	8	7
26	Mohamed Asif Khan. S		1	1	1	1	2	1	1	1	1	1
27	Pravizhi. A		a	a	1	1	1	1	a	a	a	a
28	Priyadharshini. C		1	1	1	1	1	1	1	1	1	1
29	Priyadharshini. K		a	a	1	1	1	1	1	1	a	a
30	Priyadharshini. P		1	1	1	1	1	1	1	1	1	1
31	Ranjitha. C		a	a	1	1	a	a	1	1	1	1
32	Ranjitha. D		1	1	1	1	a	a	1	1	1	1
33	Rasika. M		1	1	1	1	a	a	1	1	1	a
34	Santhakumari. J		1	1	1	1	1	1	1	1	1	1
35	Santhiya. R		1	1	1	1	1	1	1	1	1	1
36	Sasirekha. V		1	1	1	1	1	1	1	1	1	1
37	Sedhupathi. M		1	1	1	1	1	1	1	1	1	1
38	Sonaniya. R		1	1	1	1	1	1	1	1	1	1
39	Sripriya. M		1	1	1	1	1	1	1	1	1	1
40	Suthia. K		a	a	1	1	1	1	1	1	1	1
41	Tamilazhagi. T		1	1	1	1	1	1	1	1	1	1
42	Vasudevan. T		1	1	1	1	1	1	1	1	1	1
43	Veeramani. M		1	1	a	a	1	1	1	1	1	1
44	Vidhya. K		1	1	1	1	1	1	1	1	1	1
45	Vinitha. K		a	a	1	1	1	1	1	1	1	1
46	Vithyasri. U. K		1	1	1	1	1	1	1	1	1	1
47	Yasik Rahman. R		a	a	1	1	a	a	1	1	1	1
48	Harsharan. M		1	1	1	1	a	a	1	1	1	a
49	Bugalendhi. K		1	1	a	a	1	1	1	1	1	1
50	Elwari. L		1	1	1	1	1	1	1	1	1	1

Roll No.	2	3	23	6	12	20
	8	8	8	8	8	8
	8	7	8	8	8	8
26	1	1	1	1	1	1
27	a	a	a	1	a	1
28	1	1	1	1	1	1
29	a	1	1	1	1	1
30	1	1	1	1	1	1
31	1	1	1	1	1	1
32	1	1	1	1	1	1
33	a	1	1	1	a	1
34	1	1	1	1	1	1
35	1	1	1	1	1	1
36	1	1	1	1	1	1
37	1	1	1	1	1	1
38	1	1	1	1	1	1
39	1	1	1	1	1	1
40	1	1	1	1	1	1
41	a	1	1	1	1	1
42	1	1	1	1	1	1
43	1	1	1	1	1	1
44	1	1	1	1	1	1
45	1	1	1	1	1	1
46	1	1	1	1	1	1
47	1	1	1	1	a	1
48	a	1	1	1	1	1
49	1	1	1	1	1	1
50	1	1	1	1	1	1

8

3

3

Attendance Particulars		
Roll No.	Name	Date
		Month
		Period
51	Paritha. N	
52	Balaji. M	
53		
54		
55		
56		
57		
58		
59		
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64		
65		
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69		
70		
71		
72		
73		
74		
75		
		Present
		Absent
		Staff Signature

[illegible]

Students Academic Assessment Details

Assignment (Date)				Attendance				Test										
Roll No.	Announcement	1	2	3	1	2	3	4	AT-I	AT-II	AT-III							Over all Attendance
	Submission								Date									
51		AB	32						6	9								
52		32	34						AB	10								
53																		
54																		
55																		
56																		
57																		
58																		
59																		
60																		
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62																		
63																		
64																		
65																		
66																		
67																		
68																		
69																		
70																		
71																		
72																		
73																		
No. of Students	Passed																	
	Pass%																	
	Between 60 to 80																	
	Above 80																	

Unit No.	Date	TOPICS COVERED	PERIOD	CUMULATIVE PERIOD	STAFF INITIAL	HOD INITIAL
		Aptitude				
1.	24.06.19	Coding - Decoding				
		Types of coding problems				
		Solved	6	1	PS	
	01.07.19	Company question paper				
		TCS company paper Solved	6	2	PS	
	08.07.19	Company question paper				
		TCS quantitative Problems	6	3	PS	
	12.07.19	Company question paper				
		Time, Speed, Distance, Work				
		Problems Solved	6	4	PS	
	15.07.19	Company question paper				
		Sample question paper				
		Solved	6	5	PS	
	22.07.19	Topic - Concepts, Definition				
		Problems Solved	6	6	PS	
	29.07.19	Company question paper				
		TCS - problems Solved	6	7	PS	
	05.08.19	Test	6	8	PS	
Hours Planned:			Hours Handled:			

Unit No.	Date	TOPICS COVERED	PERIOD	CUMULATIVE PERIOD	STAFF INITIAL	HOD INITIAL
	19.08.19	Company question paper				
		Solved for Average, Profit				
		and loss problems	7	9	PS	
	26.08.19	Company question paper				
		Solved for Permutations				
		and Combinations	6	10	PS	
<p>Verified</p> <p>M. V. 19/11/2019</p> <p>I.T. GINANA JFM</p> <p>J. P. 19/12/2019</p>						
Hours Planned:			Hours Handled:			



KINGS
COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)



11/20
P.Lm

Department of Training & Placement
Aptitude Test - IV Year

Name	: Rasika M	Branch / Year / Sem	: EEE / IV
Roll No	: 10	Test No	: 2
Date/Hour	: 06.08.19	Total Marks	: 20

1) A, B, and C can together do some work in 72 days. A and B can together do two times as much work as C alone, and A and C together can do four times as much work as B alone. Find the time taken by C alone to do the whole work.

- a) 144 days b) 360 days c) 216 days d) 180 days

2) In a test with 26 questions, five points were deducted for each wrong answer and eight points were added for every correct answer. How many were answered correctly if the score was zero?

- a) 11 b) 10 c) 13 d) 12

3) A jogger running at 9 km/hr along side a railway track is 240 m ahead of the engine of a 120 m long train running at 45 km/hr in the same direction. In how much time will the train pass the jogger?

- a) 3.6 sec b) 18 sec c) 36 sec d) 72 sec

4) Excluding stoppages, the speed of a bus is 54 km/hr and including stoppages, it is 45 km/hr. For how many minutes does the bus stop per hour?

- a) 9 b) 10 c) 12 d) 20

5) Kim can do a work in 3 days while David can do the same work in 2 days. Both of them finish the work together and get Rs. 150. What is the share of Kim?

- a) Rs. 30 b) Rs. 60 c) Rs. 70 d) 90

6. A mixture contains alcohol and water in the ratio 4:3. If 5 litres of water is added to the mixture, the new ratio become 4:5. Find the quantity of alcohol in the given mixture.

- a) 10 litres b) 12 litres c) 11 litres d) 15 litres

7. A train 100m long is running at the speed of 30 km/hr. Find the time taken by it to pass a man standing near the railway line

- a) 12 sec b) 15 sec c) 18 sec d) 14 sec

8. A train is moving at a speed of 132 km/hr. If the length of the train is 110 m, how long will take to cross a railway platform 165 m long?

- a) 7.5 sec b) 8 sec c) 7 sec d) 10.8 sec

9. The ratio between the present ages of A and B is 5:3 respectively. The ratio between A's age 4 years ago and B's age 4 years hence is 1:1. What is the ratio between A's age 4 years hence and B's age 4 years ago?

- a) 1:3 b) 2:1 c) 3:1 d) 4:1

10. The Sum of the ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?

- a) 16 years b) 18 years c) 28 years d) None of these

11. One year ago, the ratio of Gaurav's and Sachin's age was 6:7 respectively. Four years hence, their ratio would become 7:8. How old is Sachin?

- a) 5 years b) 18 years c) 28 years d) None of these

12. A train is moving at a speed of 132 km/hr. If the length of the train is 110 m, how long will take to cross a railway platform 165 m long?

- a) 7.5 sec b) 8 sec c) 7 sec d) 10.8 sec

13. In how many different ways can the letters of the word OPTICAL be arranged so that the vowels always come together?

- a) 120 b) 720 c) 4320 d) 2160

14. Predict the next number . 41, 41, 42, 46, 55, ____

- a) 61 b) 71 c) 63 d) 66

15. Find the odd man out 2, 5, 10, 17, 26, 37, 50, 64

- a) 50 b) 26 c) 37 d) 64

16. There are two sections A and B of a class, consisting of 36 and 44 students respectively. If the average weight of sections A is 40 kg and that of section b is 35 kg. Find the average weight of the whole class?

- a) 37.25 b) 37.50 c) 37 d) 38

17. In a certain code language if the word 'MUSEUM' is coded as 'LSPAPG', then how will the word 'PALACE' be coded in that language?

- a) OYIWX Y b) OYIXYW c) IYXYWO d) YXWYOI

18. If DELHI is coded as 73541 and CALCUTTA as 82589662, how can CALICUT be coded?

- a) 5279431 b) 5978213 c) 8251896 d) 8543691

19. In a certain code language, 'kew xas huma deko' means 'she is eating apples'; 'kew tepo qua' means 'she sells toys' and 'sul lim deko' means 'I like apples'. Which word in that language means 'she' and 'apples'?

- a) xas & deko b) xas & kew c) kew & deko d) kew & xas

20. In a certain code language, if the word 'DISTANCE' is coded as EDCINSAT, then how will you code 'ACQUIRE' in that language?

- a) EACIQR b) EACRIUQ c) ERCIAQU d) EARCQU

Ans	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
a.	0	●	0	0	0	●	●	●	●	0	0	0	0	●	0	●	●	0	0	●
b.	0	0	0	●	●	0	0	0	0	0	●	0	●	0	0	0	0	●	0	0
c.	●	0	0	0	0	0	0	0	●	0	0	●	0	0	●	0	●	0	0	0
d.	0	0	●	0	0	0	0	0	0	●	0	0	0	0	0	0	0	0	●	●



9
20

P. An

DEPARTMENT OF TRAINING AND PLACEMENT
REASONING

Name of the student : S. PARTHIBAN	Branch / Year / Sec / Sem: EEE/ IV / VII
Roll No : 06	Test No : 1
Date/Hour : 24/7/19 / 6 th	Total Marks : 20

In these series, you will be looking at both the letter pattern and the number pattern. Fill the blank in the middle of the series or end of the series.

1. SCD, TEF, UGH, __, WKL
A) CMN B) UJI C) VIJ D) IJT
2. B2CD, __, BCD4, B5CD, BC6D
A) B2C2D B) BC3D C) B2C3D D) BCD7
3. FAG, GAF, HAI, IAH, __
A) JAK B) HAL C) HAK D) JAI
4. ELFA, GLHA, ILJA, __, MLNA
A) OLPA B) KLMA C) LLMA D) KLLA
5. P5QR, P4QS, P3QT, __, P1QV
A) PQW B) PQV2 C) P2QU D) PQ3U
6. 2, 1, (1/2), (1/4), ?
A) (1/3) B) (1/8) C) (2/8) D) (1/16)
7. Look at this series: 53, 53, 40, 40, 27, 27, ... What number should come next?
A) 12 B) 14 C) 27 D) 53
8. Look at this series: 21, 9, 21, 11, 21, 13, 21, ... What number should come next?
A) 14 B) 15 C) 21 D) 23
9. Look at this series: 8, 22, 8, 28, 8, ... What number should come next?
A) 9 B) 29 C) 32 D) 34
10. 36 31 29 24 22 17 15
A) 13, 11 B) 10, 5 C) 13, 8 D) 12, 7 E) 10, 8
11. If in a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that code?
A) CPNCBX B) CPNCBZ C) CPOCBZ D) CQOCBZ
12. In a certain code, 15789 is written as EGKPT and 2346 is written as ALUR. How is 23549 written in that code?
A) ALEUT B) ALGTU C) ALGUT D) ALGRT
13. In a certain code, a number 13479 is written as AQEJL and 5268 is written as DMPN. How is 396824 written in that code?
A) QLPNKJ B) QLPNMF C) QLPMNF D) QLPNDF

11. One year ago, the ratio of Gaurav's and Sachin's age was 6:7 respectively. Four years hence, their ratio would become 7:8. How old is Sachin?

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- a) EACIQR b) EACRIUQ c) ERCIAQU d) EARCIQU

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

A15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
b.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Department of Training & Placement

Academic Year 2019 - 20 (Odd Sem)

Common to all Final Years (Soft Skills)

Name of the Student: T. Mutharasan

Roll No : 05

Department / Year : EEE / IV

Test on Comprehension - 1 (5 X 2 = 10)

Speech is great blessings but it can also be great curse, for while it helps us to make our intentions and desires known to our fellows, it can also if we use it carelessly, make our attitude completely misunderstood. A slip of the tongue, the use of unusual word, or of an ambiguous word, and so on, may create an enemy where we had hoped to win a friend. Again, different classes of people use different vocabularies, and the ordinary speech of an educated may strike an uneducated listener as pompous. Unwittingly, we may use a word which bears a different meaning to our listener from what it does to men of our own class. Thus speech is not a gift to use lightly without thought, but one which demands careful handling. Only a fool will express himself alike to all kinds and conditions to men.

1. The best way to win a friend is to avoid
 - A. irony in speech
 - B. pomposity in speech
 - C. verbosity in speech
 - ☒ D. ambiguity in speech
2. While talking to an uneducated person, we should use
 - A. ordinary speech
 - ☒ B. his vocabulary
 - C. simple words
 - D. polite language
3. If one used the same style of language with everyone, one would sound
 - A. flat
 - B. boring
 - ☒ C. foolish
 - D. democratic

4. A 'slip of the tongue' means something said

- A. wrongly by choice
- ☒ B. unintentionally
- C. without giving proper thought
- D. to hurt another person

5. Speech can be curse, because it can

- A. hurt others
- B. lead to carelessness
- C. create misunderstanding
- ☒ D. reveal our intentions

Test on Comprehension - 2 (5 X 2 = 10)

Mahatma Gandhi believed that industrialization was no answer to the problems that plague the mass of India's poor and that villagers should be taught to be self-sufficient in food, weave their own cloth from cotton and eschew the glittering prizes that the 20th century so temptingly offers. Such an idyllic and rural paradise did not appear to those who inherited the reins of political power.

1. The meaning of 'glittering prizes that the 20th century so temptingly offers is

- A. pursuit of a commercialized material culture
- B. replacement of rural by urban interests
- ☒ C. complete removal of poverty
- D. absence of violence and corruption

2. The basis of 'an idyllic and rural paradise' is

- A. rapid industrialization of villages
- B. self sufficiency in food clothes and simplicity of the lifestyle
- ☒ C. bringing to the villages the glittering prizes of the 20th century
- D. supporting those holdings powerful political positions

3. Which one of the following best illustrates the relationship between the phrases:

- (i) 'eschew the glittering prizes' and
- (ii) 'idyllic and rural paradise'?

- A. unless you do (i), you cannot have (ii)
- B. (i) and (ii) are identical in meaning
- ☒ C. first of all you must have (ii) in order to do (i)
- D. the meaning of (i) is directly opposite to (ii)
4. Mahatma Gandhi's views opposed industrialization of villages because
- A. it would help the poor and not the rich
- ☒ B. it would take away the skill of the villagers
- C. it would affect the culture of the Indians
- D. it would undermine self-sufficiency and destroy the beauty of life of the villagers
5. Mahatma Gandhi's dream of 'an idyllic and rural paradise' was not shared by
- A. those who did not believe in the industrialization of the country
- B. those who called him the Father of Nation
- ☒ C. those who inherited political powers after independence
- D. those who believed that villages should be self-sufficient in food and cloth

Sentence Making (10 X 2 = 20)

In each question below a sentence broken into five or six parts. Join these parts to make a meaningful sentence. The correct order of parts is the answer.

1. 1. I 2. immediately 3. salary
4. my 5. want
A. 43152
B. 15432
C. 25143
D. 42351

2. 1. do

2. today

3. you

4. must

5. it

A. 34152

☒ B. 25413

C. 12543

D. 51324

3.

1. left

2. the

3. house

4. he

5. Suddenly

A. 12435

B. 21354

☒ C. 45123

D. 52341

4.

1. medicine

2. a

3. Neeta

4. given

5. was

A. 51423

B. 25431

C. 15423

☒ D. 35421

5.

1. of

2. we

3. heard

4. him

5. had

A. 42351

B. 52341

C. 25341

☒ D. 25314

6. 1. at 2. it 3. take
4. once 5. away
- A. 23514
B. 14352
C. 32514
D. 53214

7. 1. him 2. the 3. to
4. charge 5. handover
- A. 42531
B. 51342
C. 41352
D. ~~45231~~
52413

8. 1. seen 2. going 3. you
4. him 5. have
- A. 35214
B. 35142
C. 32514
D. 35124

9. 1. bag 2. you 3. seen
4. have 5. my
- A. 51432
B. 43512
C. 42351
D. 42153

10. 1. killed 2. a 3. Jaswant
4. bear 5. wild
A. 31254
B. 53124
C. 23145
D. 43125

Marks Secured : 22

Remarks

Improve more
needed
in verbal
Communication

Signature of the Staff

[Signature]



Department of Training & Placement

Academic Year 2019 - 20 (Odd Sem)

Common to all Final Years (Soft Skills)

Name of the Student: **M. Rasika.**

Roll No : **10**

Department / Year : **EEE / IV year**

Test on Comprehension - 1 (5 X 2 = 10)

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- (i) 'eschew the glittering prizes' and
- (ii) 'idyllic and rural paradise'?

2. 1. do

2. today

3. you

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5. it

☒ A. 34152

B. 25413

C. 12543

D. 51324

3.

1. left

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☒ C. 45123

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✓ C. 42351
D. 42153

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A✓ 31254
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D. 43125

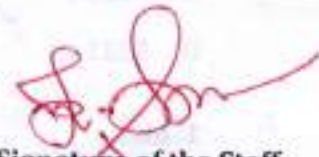
Marks Secured :

36

Remarks

Correct

Signature of the Staff



18



DEPARTMENT OF TRAINING AND PLACEMENT

C1: 1.2.2. SOFT SKILLS AND APTITUDE SAMPLE 2019-20 (ODD/EVEN)

S. NO.	PARTICULARS (2018-19 EVEN)	PAGE NUMBER
01	II YR Time Table	1
02	II YR Name List	2
03	II YR Aptitude Syllabus	3
04	II YR Aptitude Course Plan	4 – 6
05	II YR Soft Skills Syllabus	7
06	II YR Soft Skills Course Plan	8 – 10
07	II YR Aptitude and Soft Skills Log Book	11 – 18
08	II YR Aptitude Training Manual	19 – 22
09	II YR Soft Skills Training Manual	23 – 25
10	II YR Certificate	26
11	III YR Time Table	1
12	III YR Name List	2
13	III YR Aptitude Syllabus	3
14	III YR Aptitude Course Plan	4 – 7
15	III YR Aptitude Log Book	8 – 13
16	III YR Aptitude Training Manual	14 – 17
17	III YR Certificate	18
18	IV YR Time Table	1
19	IV YR Name List	2
20	IV YR Aptitude Syllabus	3
21	IV YR Aptitude Course Plan	4 – 6
22	IV YR Soft Skills Syllabus	7
23	IV YR Soft Skills Course Plan	8 – 10
24	IV YR Aptitude and Soft Skills Log Book	11 – 22
25	IV YR Aptitude Test Sheet	23 – 24
26	IV YR Soft Skills Test Sheet	25 – 26
27	IV YR Certificate	27

DEPARTMENT OF CIVIL ENGINEERING
TIME TABLE (DEC 2019 - MAY 2020, EVEN SEM)
B.E - CIVIL (Regulation 2017) - With Effect from 16.12.19

Batch:2018-2022

Year: II

Semester: IV

Class Room : Z14

Strength:28

Block: II

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.15 pm	5	6	02.45 pm - 03.00 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am	BREAK	11.00am - 11.45am	11.45am - 12.30pm	LUNCH BREAK	01.15pm - 02.00pm	02.00pm - 02.45pm	BREAK	03.00pm - 03.45pm	03.45pm - 04.30pm
MON	MA8491	CE8402		SPOKEN			CE8404	CE8491		CE8401	CE8403
TUE	CE8401	CE8403		MA8491	CE8404		CE8481(B1) / CE8461(B2)			CE8481(B1) / CE8461(B2)	
WED	CE8403	CE8402		CE8402	CE8491		MA8491	CE8401		LIB/WET	CE8404
THU	CE8404	CE8491		MA8491	CE8402		CE8481(B2) / CE8461(B1)			CE8481(B2) / CE8461(B1)	
FRI	CE8401	CE8403		MA8491	CE8402		HS8461			T&P(A/S)	CE8401
SAT	CE8402	MA8491		CE8403	CE8404		CE8491	CE8401		ACADEMIC/PSA	

SUB CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEK
TUTORIAL (T), ELECTIVE (E)						
MA8491	Numerical Methods	BS	4	Ms.S.Geetha	MATHS	6
CE8401	Construction Techniques & Practices	PC	3	Mr.S.R.Elwin Gura Chanth	CIVIL	5
CE8402	Strength of Materials II	PC	3	Ms.K.Jeyashankari	CIVIL	6
CE8403	Applied Hydraulic Engineering	PC	3	Ms.V.Iswarya	CIVIL	5
CE8404	Concrete Technology	PC	3	Ms.K.Bhavarohini	CIVIL	5
CE8491	Soil Mechanics	PC	3	Ms.M.Priya	CIVIL	5
PRACTICAL						
CE8481	Strength of Materials Laboratory	PC	2	Mr.K.Ranjith Ms.M.Priya	CIVIL	4
CE8461	Hydraulic Engineering Laboratory	PC	2	Mr.S.Kamraj Ms.K.Bhavarohini	CIVIL	4
HS8461	Advanced Reading & Writing	EEC	1	Mr.K.Anandhara	ENG	2
COMPETENCY DEVELOPMENT CLASSES						
LIB/NET	Library/Internet	-	-	Ms.H.Bhavarohini	CIVIL	1
ACADEMIC/PSA	Academic/Professional Society Activity	CE	CDC	Ms.K.Bhavarohini	CIVIL	2
SPOKEN	Communication skills	BS	CDC	Mr.P.Rajeshwaran	ENG	2
T&P(A)	Training & Placement (Aptitude)	T&P	CDC	Ms.P.Suganya	T&P	1
T&P (SS)	Training & Placement - Softskills	T&P	CDC	Mr.B.Suresh Babu	T&P	

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO
Ms.K.Bhavarohini	1. R.Nandhini	14
	2. J.Vinath Kumar	24
CLASS COMMITTEE CHAIR PERSON	Mr.R.Sunil Kumar	



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DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR (2019- 2020) EVEN SEMESTER
(BATCH 2018-2022)

YEAR/SEM: II / IV

STUDENT NAME LIST

TOTAL STRENGTH : 28

ROLL NO	REGISTER NO	STUDENT NAME	ROLL NO	REGISTER NO	STUDENT NAME
1	821118103001	ABINAYA P	15	821118103017	PATRICKANTONY SAMY A
2	821118103003	ARAVINTH M	16	821118103018	PAVITHRA C
3	821118103004	CHANDRU S	17	821118103019	PRIYANKA B
4	821118103005	DEENATHAYALAN V	18	821118103020	ROOSIKA K
5	821118103006	DHINAKARAN D	19	821118103021	SARMILA N
6	821118103007	JAYALAKSHMI S	20	821118103022	SETHUBALA T
7	821118103008	JAYASHREE S	21	821118103023	THILAK M
8	821118103009	JOSHI A	22	821118103024	VIJAYA PRAKASH R
9	821118103010	KALAIKUMAR S	23	821118103025	VINOTHKUMAR J
10	821118103011	KARIKALAN S	24	821118103301	ABRAHAM RAJA J
11	821118103012	KARTHIKEYAN R	25	821118103302	JEGAN S
12	821118103013	MANIKANDAN M	26	821118103303	RAHINI M
13	821118103014	NANDHINI R	27	821118103304	SIVASHANKAR M
14	821118103016	PADMA REKA R	28	821118103305	VAITHEESWARAN B



SYLLABUS

QUANTITATIVE APTITUDE – II YEAR (Fourth Semester)

Odd man out series – Concepts and conditions of odd man out series –types of odd man out series, number and alphabetical series 2

Permutation & Combination– Definition, Factorial notation and examples , Difference between Permutation and Combination – Number of combinations and its types of problems 2

Time & Distance - Introduction, important formulas and condition and types of Time and Distance problems 2

Probability– Definitions and conditions of coins, dice, and cards, Sample space and Probability formulas – Problems of coins, dice, cards examples 2

Time & Work – Definitions and formula of Time and Work -Working single and multiple types of persons 2

Total Periods: 10

P. Srinivas
STAFF INCHARGE

Srinivas
VP/HEAD (T&P)



DEPARTMENT OF TRAINING & PLACEMENT
COURSE PLAN

Sub. Name	: Quantitative Aptitude	Branch / Year / Sem	: B.E (All Branches/II/IV)
Staff Name	: Ms. P.Suganya	Batch	: 2018-2022
	Mr. B. Barankumar	Academic Year	: 2019-20(Even)
	Mr. K. Sudhakar		

COURSE OBJECTIVE:

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude.

TEXT BOOK:

T1. Quantitative Aptitude - R. S. Aggarwal - S. Chand Publications

WEB RESOURCES

- W1. www.indiabix.com
W2. www.indeed.com
W3. www.freshersworld.com
W4. www.testpot.com
W5. www.math4.com

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Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Odd man out series (2)						
1	Concepts and conditions of odd man out series	T1,W1	649 - 650	BB	1	1
2	Types of odd man out series, number and alphabetical series	T1,W2	651 - 653	BB	1	2
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Describe odd man out series Identify the types of series 						
Permutations & combinations (2)						
3	Definition, Factorial notation and examples, Difference between Permutation and Combination	T1, W3	613 - 615	BB	1	3
4	Number of combinations and its types of problems	T1	616 - 620	BB	1	4
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Analyze the concept of Permutation and combination Identify the difference between permutation and combination 						
Time and Distance (2)						
5	Introduction, important formulas and conditions Time and Distance problem	T1	384 - 389	BB	1	5
6	concepts and its problems	T1, W1	390 - 393	BB	1	6
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Describe odd man out series Identify the types of series 						
Probability (2)						
7	Definitions and conditions of coins, dice, and cards, Sample space and probability formulas	T1, W3	621 - 623	BB	1	7
8	Problems of coins, dice, cards examples	T1	624 - 626	BB	1	8
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Outline knowledge on Probability Explain the difference between Sample space, event, probability 						
Time and Work (2)						

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9	Definitions and formula of Time and Work	T1,W1	341-344	BB	1	9
10	Working single and multiple type	T1,W2	345-350	BB	1	10

LEARNING OUTCOME

At the end of unit, students should be able to

- Outline the knowledge of Time and Work
- Analyze the concept of Time and Work


COURSE OUTCOME

At the end of the course, the students will be able to

- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

CONTENT BEYOND THE SYLLABUS

Solving various Company Question papers.


 Prepared by
 Ms. P. SUGANYA
 Mr. B. BARANKUMAR


 Verified By
 VP/HEAD (T&P)


 Approved by
 PRINCIPAL

6/2 NOV 2019



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DEPARTMENT OF TRAINING & PLACEMENT

SYLLABUS

SOFT SKILLS - II YEAR (Fourth Semester)

1. **Communication Skills Verbal - Oral Communication & Written Communication** (3)
Listening, Reading, Speaking, Writing, Letter Writing, Resume' Building, Tips on improved Written Communication
Work up Exercise - Speak Out five lines about the person who inspired you, Test your hand writing
2. **Body Language** (3)
Body talk - Forms of body language- Parts of Body Language - Types of Body language - Improving your body Language - Gestures and Body movement
Work up Exercise - Interpreting Body Language
3. **Priority Management & Time Management** (3)
Prioritization - levels - Stone, Pebbles, and Sand Experiment
Class Participation - List your priorities in life
Time Management - Availability of time - "Time" Resource - Become a Time Manager - resolve conflict between Urgent tasks & important tasks.
Work Up Exercise - Calculation of your one day routine- How you spend & How to spend
4. **Group Discussions** (3)
Need & Scope- Characters tested in a GD- Tips on GD - Types of GD - Skills required in a GD- Behavior in GD- Essential elements - GD Etiquette - Non verbal communication in a GD
Work up Exercise - Group Discussion

Total Periods: 12

B. S. Sharma
STAFF INCHARGE

[Signature]
VP/HEAD (T&P)

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**DEPARTMENT OF TRAINING & PLACEMENT
COURSE PLAN**

Sub. Name: Soft Skills	Branch / Year / Sem: B.E (All Branches/II/IV)
Staff Name: Mr. B. Suresh Babu	Batch : 2018-2022
Mr. K. Sudhakar	Academic Year : 2019-20(EVEN)

COURSE OBJECTIVE:

- To learn the importance of communication skills.
- To accomplish the knowledge on the basics of time and priority management.
- To impart knowledge about body language and its importance in corporate world.
- To train about group discussion and techniques to meet the corporate expectations.

TEXT BOOK:

T1. Soft Skills – Know yourself and the world - Dr. K. Alex- S. Chand & Co Ltd.

WEB RESOURCES:

- W1. <http://www.skillsyouneed.com/general/communication-skills.html>
W2. <http://www.positivityblog.com/index.php/2006/10/27/18-ways-to-improve-your-body-language/>
W3. https://www.mindtools.com/pages/main/newMN_HTE.htm
W4. <https://www.tcyonline.com/tests/gd-group-discussion>

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Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
COMMUNICATION SKILLS VERBAL - ORAL COMMUNICATION & WRITTEN COMMUNICATION (3)						
1	Listening, Reading Speaking, Writing	T1,W1	67-87 88-108	BB	1	1
2	Letter Writing, Resume' Building	T1	109-116 183-202	BB	1	2
3	Tips on improved Written Communication	T1,W1	106	BB	1	3
LEARNING OUTCOME At the end of unit, students should be able to						
<ul style="list-style-type: none"> Analyze the concept of communication skills Understand and improve listening, reading, writing and speaking skills. 						
BODY LANGUAGE (3)						
4	Body talk - Forms of body language	T1	119-120	BB	1	4
5	Parts of Body Language Types of Body language	T1,	120-121	BB	1	5
6	Improving your body Language, Gestures and Body movement	T1, W2	122-125 125-127	PPT	1	6
LEARNING OUTCOME At the end of unit, students should be able to						
<ul style="list-style-type: none"> Understand the concept of body language. Application of body language in real life situation. 						
PRIORITY MANAGEMENT & TIME MANAGEMENT (3)						
7.	Class Participation - List your priorities in life	T1	225-226	BB	1	7
8	Availability of time - "Time" Resource - Become a Time Manager - resolve conflict between Urgent tasks & important tasks	T1, W3	229-233	BB	2	9
LEARNING OUTCOME At the end of unit, students should be able to						
<ul style="list-style-type: none"> Describe and Compare priorities to execute in proper way. Analyze and solve the problems raised due to lack of time management. 						
GROUP DISCUSSIONS (3)						
9	Need & Scope Characters tested in a GD- Tips on GD	T1,W4	149-150 149-151	BB BB	1	10
10	Types of GD Skills required in a GD	T1	151-152 152-154	BB PPT	1	11

11	GD Etiquette - Non verbal communication in a GD	T1	154-156	BB	1	12
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LEARNING OUTCOME

At the end of unit, students should be able to

- Analyze the concept of GD.
- Aware and confident enough to attend Group Discussion without fear.

COURSE OUTCOME

At the end of the course, the students will be able to

- Enhancement of communication skills such as listening, reading, writing, speaking skills.
- Identify and apply the body language in suitable situation.
- Enough confidence and knowledge in appearing Group Discussion.

CONTENT BEYOND THE SYLLABUS

- Video presentation related to Communication Skills, Body Language and Group discussions.

B. Suresh Babu
K. Sudhakar

Prepared by
Mr. B. SURESHBABU
Mr. K.SUDHAKAR

Verified By
VP/HEAD (T&P)

J. Prabhakar
12/11/19
Approved by
PRINCIPAL

12 NOV 2019



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ISO 9001 : 2008




Attendance and Assessment Record

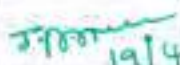
Name of the Staff : Mr. B. Suresh Babu, Ms. P. Suganya
Department : Training and Placement
Subject Code & Name : Soft skills, Aptitude
Branch : II civil
Semester : IV

19/20 (Even)

Attendance and Assessment Record

Name of the Staff : Mr. B. Suresh Babu Dept T&P
 Name of the Subject : Ms. P. Suganya Code _____
 Branch : SC Aptitude
 Semester : Civil Year II
 Date of Commencement : 16.12.19 Last Working Day 28.02.20

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
Softskills End of the First Month	3	2	20%	
Aptitude	10	10	100%	
Softskills End of the Second Month	8	10	80%	
Aptitude	10	10	100%	
Softskills End of the Third Month	12	12	100%	
Aptitude	10	10	100%	
End of the Fourth Month				


 19/4/2020

PRINCIPAL

Attendance Particulars				Soft Skills											
Roll No.	Name	Date		2	10	14	15	15	15	15	22	22	22	22	22
		Month		12	1	2	2	2	2	2	2	2	2	2	2
		Period		07	07	7	1	2	3	4	1	2	2		
1	Abinaya. P			1	1	1	1	1	1	1	1	1	1		
2	Azavirith. M			1	1	1	1	1	1	1	1	1	1		
3	Chandru. S			1	1	1	1	1	1	1	1	1	1		
4	Deenathayalan. V			1	1	1	1	1	1	1	1	1	1		
5	Dhinakaran. D			1	1	1	2	2	2	2	1	1	1		
6	Jayalakshmi. S			1	1	1	1	1	1	1	1	1	1		
7	Jayashree. S			1	1	1	1	1	1	1	1	1	1		
8	Joshi. A			1	1	1	1	1	1	1	2	2	2		
9	Kalaikumar. S			1	1	1	1	1	1	1	1	1	1		
10	Kanikalan. S			1	1	1	1	1	1	1	1	1	1		
11	Kanthikeyan. R			2	2	1	1	1	1	1	1	1	1		
12	Manikandan. M			1	1	1	1	1	1	1	1	1	1		
13	Nandhini. R			1	1	1	1	1	1	1	1	1	1		
14	Padma Reka. R			1	1	1	1	1	1	1	1	1	1		
15	Patrick Antony. Sunny. A			1	1	1	1	1	1	1	1	1	1		
16	Pavithra. C			1	1	1	2	2	2	2	1	1	1		
17	Priyanka. B			1	1	1	1	1	1	1	1	1	1		
18	Reesika. K			1	1	1	1	1	1	1	1	1	1		
19	Sammila. N			1	1	1	1	1	1	1	1	1	1		
20	Sethubala. T			1	1	1	1	1	1	1	1	1	1		
21	Thilak. M			1	1	1	1	1	1	1	1	1	1		
22	Vijaya Prakash. R			1	1	1	1	1	1	1	1	1	1		
23	Vinoth Kumar. T			1	1	1	1	1	1	1	1	1	1		
24	Abraham Raja. J			2	1	1	1	1	1	1	1	1	1		
25	Jegan. S			1	1	1	1	1	1	1	1	1	1		

Roll No.	22	22	1		
	22	22			
	45	45			
1	1	1			
2	1	1			
3	1	1			
4	1	1			
5	1	1			
6	1	1			
7	1	1			
8	2	2			
9	1	1			
10	1	1			
11	1	1			
12	1	1			
13	1	1			
14	1	1			
15	1	1			
16	1	1			
17	1	1			
18	1	1			
19	1	1			
20	1	1			
21	1	1			
22	1	1			
23	1	1			
24	1	1			
25	1	1			

Attendance Particulars			Soft Skills											
Roll No.	Name	Date	10	14	15	15	15	15	22	22	22			
		Month	12	1	2	2	2	2	2	2	2			
		Period	07	07	7	1	2	3	4	1	2	3		
26	Rahini M		1	1	1	1	1	1	1	1	1			
27	Sivashankar M		1	1	1	1	1	1	1	1	1			
28	Vaitheswaran B		1	1	1	1	1	1	1	1	1			
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47														
48	Present		24	27	28	28	28	28	28	28	28	28		
49	Absent		01	01	01	01	01	01	01	01	01	01		
50	Signature		10	14	15	15	15	15	22	22	22			

Roll No.	22				
	22				
	45				
26	45				
27	45				
28	45				
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46					
47					
48	28				
49	01				
50	10				

Attendance Particulars			
Roll No.	Name	Date	
		Month	
		Period	
1	Abinaya. P		
2	Aravindh. M		
3	Chandru. S		
4	Deenathayalan. V		
5	Dhinakaran. D		
6	Jayalakshmi. S		
7	Jayashree. S		
8	Joshi. A		
9	Kalaikumar. S		
10	Kanikalan. S		
11	Karthikeyan. R		
12	Manikandan. M		
13	Nandhini. R		
14	Padma Reka. R		
15	Patrick Antony. Samy		
16	Pavithra. C		
17	Priyanka. B		
18	Rensika. K		
19	Somila. N		
20	Sethubala. T		
21	Thilak. M		
22	Vijaya Prakash. R		
23	Vinoth Kumar. T		
24	Abraham Raja. T		
25	Jegan. S		

Aptitude

Roll No.	3	4	4	4	4	11	11	11	11	11
	1	1	1	1	1	1	1	1	1	1
	7	1	2	3	4	1	2	3	4	5
1	/	/	/	/	/	/	/	/	/	/
2	a	a	a	a	a	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/
4	a	a	/	/	/	/	/	/	/	/
5	a	/	/	/	/	/	/	/	/	/
6	/	a	a	a	a	/	/	/	/	/
7	/	a	a	a	a	/	/	/	/	/
8	a	/	/	/	/	a	a	a	a	a
9	a	/	/	/	/	/	/	/	/	/
10	a	a	a	a	a	/	/	/	/	/
11	a	a	a	a	a	/	/	/	/	/
12	a	/	/	/	/	/	/	/	/	/
13	/	/	/	/	/	a	a	a	a	a
14	/	a	a	a	a	/	/	/	/	/
15	/	a	a	a	a	/	/	/	/	/
16	a	/	/	/	/	/	/	/	/	/
17	/	/	/	/	/	a	a	a	a	a
18	/	a	a	a	a	/	/	/	/	/
19	/	a	a	a	a	/	/	/	/	/
20	/	/	/	/	/	/	/	/	/	/
21	a	/	/	/	/	a	a	a	a	a
22	/	a	a	a	a	/	/	/	/	/
23	/	a	a	a	a	/	/	/	/	/
24	a	a	a	a	a	/	/	/	/	/
25	a	/	/	/	/	/	/	/	/	/

Roll No.		
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25		

Attendance Particulars			
Roll No.	Name	Date	
		Month	
		Period	
26	Rahini M		
27	Sivashankar M		
28	Vaitheswaran B		
29			
30			
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48		Present	
49		Absent	
50		Signature	

Aptitude

Roll No.	3	4	4	4	4	7	11	11	11	11
	1	1	1	1	1	1	1	1	1	1
	7	1	2	3	4	1	2	3	4	5
26	a	a	a	a	a	/	/	/	/	/
27	a	/	/	/	/	/	/	/	/	/
28	a	/	/	/	/	/	/	/	/	/
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48	13	15	15	15	15	24	24	24	24	24
49	15	13	13	13	13	4	4	4	4	4
50	B	B	B	B	B	B	B	B	B	B

Roll No.		
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Attendance Particulars		
Roll No.	Name	Date
		Month
		Period
26	Rahini M.	
27	Sivashankar M.	
28	Vaitheswaran B.	
29		
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47		
48		Present
49		Absent
50		Signature

[illegible]

Assignment (Date)										Attendance				Test				
Roll No.	Announcement	1	2	3	1	2	3	4	AT-I	AT-II	AT-III							
		Submission																
		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20	20	20						20	20	Date		
26		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
27		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
28		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
29		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
30		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
31		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
32		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
33		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
34		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
35		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
36		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
37		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
38		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
39		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
40		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
41		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
42		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
43		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
44		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
45		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
46		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
47		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
48		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
49		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						
50		20.2.20	10.1.20	14.2.20	16.2.20	15.2.20			20	20	20	20						



KINGS
COLLEGE OF ENGINEERING



PUNALKULAM, THANJAVUR - 613 303

NAAC ACCREDITED INSTITUTION

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai

ACADEMIC YEAR 2019 - 2020 / EVEN SEMESTER

LABORATORY MANUAL

Name of the Student : S. Jayashree
Register Number : 62116204101
Year / Semester : II / IV
Lab. Code & Name : _____

CONTENT

EX.NO	DESCRIPTION	PAGE NO	DATE	MARKS	SIGN
1	Odd man out series	9-10	03.01.20	10	P.dmr
2	Permutations and Combinations	10-12	04.01.20	9	P.dmr
3	Time and Distance	13-14	04.01.20	10	P.dmr
4	Probability	15-16	11.01.20	8	P.dmr
5	Time and Work	18-20	11.01.20	9	P.dmr

TOPIC :2 PERMUTATIONS AND COMBINATIONS

Note:

Permutation Formula and Facts

1. Factorial Notation:

Let n be a positive integer. Then, factorial n , denoted $n!$ is defined as:

$$n! = n(n-1)(n-2) \dots 3 \cdot 2 \cdot 1$$

$$\text{Example: } 5! = 5 \times 4 \times 3 \times 2 \times 1 = 120$$

Note: Please remember $0! = 1$

Permutation:

The different arrangements of a given number of things by taking some or all at a time, are called permutations.

Example:

i. All permutations (or arrangements) made with the letters a, b, c by taking two at a time are (ab, ba, ac, ca, bc, cb) .

ii. All permutations made with the letters a, b, c taking all at a time are:

$(abc, acb, bac, bca, cab, cba)$

Number of Permutation:

Number of all permutations of n things, taken r at a time, is given by:

$${}_nP_r = n(n-1)(n-2) \dots (n-r+1) = \frac{n!}{(n-r)!}$$

$$\text{Example: } {}_4P_2 = 4 \times 3 = 12, {}_6P_2 = 6 \times 5 = 30$$

2. Combination formula and facts

Each of the different groups or selections which can be formed by taking some or all of a number of objects is called a combination.

Examples:

1. Suppose we want to select two out of three boys A, B, C . Then, possible selections are AB, BC and CA .

Note: AB and BA represent the same selection.

2. All the combinations formed by a, b, c taking ab, bc, ca .

3. The only combination that can be formed of three letters a, b, c taken all at a time is abc .

4. Various groups of 2 out of four persons A, B, C, D are: AB, AC, AD, BC, BD, CD .

5. Note that ab, ba are two different permutations but they represent the same combination.

6. Number of Combinations: The number of all combinations of n things, taken r at a time is:

Exercise-2

1. The value of ${}_{75}P_2$:

- a) 2775 b) 150 c) ☒ 5550 d) None of these

2. In how many ways can the letters of the word APPLE be arranged?

- a) 720 b) 120 c) ☒ 60 d) 180

3. In how many ways can the letters of the word LEADER be arranged?

- a) 72 b) 144 c) ☒ 360 d) 720 e) None of these

4. In how many ways can the letters of the word RUMOUR be arranged?

- a) ☒ 180 b) 90 c) 30 d) 720

5. How many arrangements can be made out of the letters of the word ENGINEERING?

- a) ☒ 277200 b) 92400 c) 69300 d) 23100

6. How many words can be formed from the letters of the word SIGNATURE so that the vowels always come together?

- a) 720 b) 1440 c) ☒ 2880 d) 3600 e) 17280

7. In how many different ways can the letters of the word OPTICAL be arranged so that the vowels always come together?

- a) 120 b) 720 c) 4320 d) 2160 e) None of these
8. In how many different ways can the letters of the word LEADING be arranged so that the vowels always come together?
- a) 360 b) 480 c) 720 d) 5040
9. In how many different ways can the letters of the word JUDGE be arranged so that the vowels always come together?
- a) 48 b) 120 c) 124 d) 160
10. In how many different ways can the letters of the word CORPORATION be arranged so that the vowels always come together?
- a) 810 b) 1440 c) 2880 d) 5040
11. In how many ways a committee, consisting of 5 men and 6 women can be formed from 8 men and 10 women?
- a) 266 b) 5040 c) 11760 d) 86400
12. In a group of 6 boys and 4 girls, four children are to be selected. In how many different ways can the be selected such that at least one boy should be there?
- a) 159 b) 194 c) 205 d) 209
13. Out of 7 consonants and 4 vowels, how many words of 3 consonants and 2 vowels can be formed?
- a) 210 b) 1050 c) 25200 d) 25410
14. From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done?
- a) 564 b) 645 c) 735 d) 756
15. A box contains 2 white balls, 3 black balls and 4 red balls. In how many ways can 3 balls be drawn from the box, if at least one black ball is to be included in the draw?
- a) 32 b) 48 c) 64 d) 96
16. How many words can be formed by using all the letters of the word BIHAR?
- a) 120 b) 240 c) 250 d) 125
17. In how many words can be formed from the letters of the word MATHEMATICS so that the vowels always come together?
- a) 10080 b) 4989600 c) 120960 d) None of these
18. In how many words can be formed from the letters of the word OPTICALS so that the vowels always come together?
- a) 120 b) 320 c) 4320 d) 2160
19. In how many words can be formed from the letters of the word JUDGE so that the vowels always come together?
- a) 48 b) 120 c) 124 d) 160
20. How many words can be formed from the letters of the word DIRECTOR so that the vowels always come together?
- a) 2160 b) 580 c) 2880 d) 540

Ans	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
a.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
b.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c.	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Marks

Signature of Staff

Page 1

CONTENT

EX. NO	DESCRIPTION	PAGE NO	DATE	SIGN
1.1	Communication Skills(CS)- Basic English Words	5	00/12	BZ
1.2	CS - Basic English Sentences	7	10/11	BZ
1.3	Writing Skills(WS)-Creative Writing	10	14/2	BZ
1.4	WS – Reorder the Sentence	11	10/11	BZ
1.5	WS – Formal Letter Writing	12	9/12	BZ
1.6	WS – Formal Letter Writing	14	10/12	BZ
1.7	WS –Sending an Email	15	10/12	BZ
1.8	Reading Skills	16	10/12	BZ
1.9	Listening Skills	16	15/12	BZ
1.10	Speaking Skills – Conversation, Telephonic conversations	19	20/12	BZ
1.11	Public Speaking – Role Play	20	20/12	BZ
2	Body Language – Gestures	21	20/12	BZ
3	Priority & Time Management	23	20/12	BZ
4	Group Discussion	24	20/12	BZ

Exercise 1.1 - Communication Skills

Date: 20-12-2020

Choose the best alternate that matches with sentence

1. A dog is bigger than a mouse, but smaller than an elephant.

- ☐ A dog is smaller than a mouse.
- ☐ A dog is very big.
- ☐ A dog is the biggest.
- ☒ An elephant is bigger than a dog.

2. He is the oldest man in the world.

- ☐ He is not as old as my grandmother.
- ☐ Many men are older.
- ☐ There are no older men anywhere.
- ☒ He's older than some other men.

3. You can't come without a ticket.

- ☒ You can come if you have a ticket.
- ☐ You mustn't go with a ticket.
- ☐ You don't need a ticket to come.
- ☐ You cannot buy a ticket outside.

4. Andrea is looking after the children.

- ☐ She can see the children.
- ☒ She is taking care of the children.
- ☐ She is looking at the children.
- ☐ The children are in front of her.

5. They only have one car for the family.

- ☐ They only like cars.
- ☐ They do not like any other cars.
- ☒ They do not have two cars.
- ☐ They have a big family.

6. He hopes to go home, but he may go to work.

- ☐ He'll be at home before the office.

- ☒ It is possible that he will go to work.
- ☐ He's allowed to go to work.
- ☐ He always goes home after work.

7. They should talk more slowly.

- ☐ They talk too quickly.
- ☒ They would like to talk more slowly.
- ☐ They might have slower talks.
- ☐ Talking is not fast.

8. She can hardly see it.

- ☐ She sees very hard.
- ☐ She is hard with it.
- ☒ She cannot see it very well.
- ☐ It is hard to see her.

9. Either teacher knows the answer.

- ☐ No teachers know the answer.
- ☐ Both teachers know the answer.
- ☒ All the teachers know the answer.
- ☐ Any teacher can answer.

10. I'd rather be a millionaire.

- ☒ I've been a millionaire.
- ☐ I'd better be a millionaire.
- ☐ I'd prefer to be a millionaire.
- ☐ You have more millions than me.

Marks: Above 7 – Good; Between 5 & 7 – Average; Below 5 – Needs improvement

Remarks:

Try to improve your communication skills

Signature with Date:





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Department of Training and Placement

CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr./Ms. **Dhinakaran D/ Civil Engineering**

for successfully completing Soft Skills and Aptitude Courses
which was conducted from July 2019 to March 2020.

Vice Principal-Head/T&P

Principal

Format-QP06



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
TIME TABLE (DECEMBER 2019 -MAY 2020, EVEN SEM)
B.E - EEE (Regulation 2017)-With Effect from 16.12.2019

Batch: 2017-2021

Strength: 15

Year : III

Semester: VI

Class Room: 133

Block: I

Session	1	2	10.45 am - 11.00 am	3	4	12.30 pm - 01.15 pm	5	6	02.45 pm - 03.00 pm	7	8	
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm		01.15pm - 02.00pm	02.00pm - 02.45pm		03.00pm - 03.45pm	03.45pm - 04.30pm	
MON	EEB691	EEB002	BREAK	EEB601	EEB005	LUNCH BREAK	T&P(S)	LJB/NET	BREAK	EEB602	EEB602	
TUE	EEB602	EEB602		EEB005	EEB601		EEB691	EEB002		EEB002	EEB005	
WED	EEB002	EEB601		T&P(A)	EEB691		EEB681			EEB601		
THU	EEB601	EEB005		EEB602	EEB602		EEB002	EEB691		EEB611		
FRI	EEB005	EEB691		EEB601	EEB002		EEB661			EEB661		
SAT	EEB601	EEB691		EEB002	EEB005		EEB691	EEB601		PS AA		

SUB. CODE	NAME OF THE SUBJECT	CATEGORY	CREDITS	NAME OF THE STAFF	DEPT.	PERIODS/WEI
TUTORIAL (T), PROFESSIONAL ELECTIVE (PE)						
EEB601	Solid State Drives	PC	3	Mr.R.Sundaramoorthi	EEE	7
EEB602	Protection and Switchgear	PC	3	Dr.A.Albert Martin Ruban	EEE	6
EEB691	Embedded Systems	ES	3	Dr.M.Meenalochani	EEE	7
EEB002	Design of Electrical Apparatus	PE	3[PE1]	Dr.S.Sivakumar	EEE	7
EEB005	Special Electrical Machines	PE	3[PE2]	Mr.J.Arokiajari	EEE	6
PRACTICAL (P)						
EEB661	Power Electronics and Drives Laboratory	PC	2[P]	Mr.J.Arokiajari	EEE	4
EEB681	Microprocessors and Microcontrollers Laboratory	PC	2[P]	Mrs.R.Ponni Mrs.D.Vennila	ECE	4
EEB611	Mini Project	EEC	2[P]	Mrs.N.Rajeswari	EEE	2
COMPETENCY DEVELOPMENT CLASS (CDC)						
LJB/NET	Library/Internet	---	---	Mr.J.Arokiajari	EEE	1
T&P(A&SS)	Training and Placement (Aptitude & Soft Skills)	CDC	---	Ms.P.Suganya	T&P	2
PS/AA	Professional Society or Academic activity	CDC	---	Mr.J.Arokiajari	EEE	2

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NO.
Mr.J.Arokiajari	K.Prabhakaran	08
CLASS COMMITTEE CHAIR PERSON	Mrs.N.Rajeswari	



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2019-20 / EVEN SEMESTER
STUDENTS NAME LIST

Year/ Sem : III / V

Batch : 2016-2020

S.No.	Register No	Student Name
16.	821117105001	ADHAVAN S
17.	821117105002	DIVYA BHARATH R
18.	821117105003	GANESAN E
19.	821117105004	HARIHARAN R
20.	821117105005	ISHWARYA N
21.	821117105006	MANO M
22.	821117105007	NANDHINI M
23.	821117105008	PRABHAKARAN K
24.	821117105009	PRIYADHARSHINI R
25.	821117105010	RAGHUL P
26.	821117105011	SINDHU S
27.	821117105012	SUDHARSAN S
28.	821117105013	VIJAY C
29.	821117105301	GOPINATH P
30.	821117105302	HARIHARAN S



SYLLABUS

QUANTITATIVE APTITUDE – III YEAR (Sixth Semester)

Permutations & Combinations – Definition, Factorial notation and examples , Difference between Permutation and Combination – Number of combinations and its types of problems	2
Probability – Definitions and conditions of coins, dice, and cards, Sample space and Probability formulas – Problems of coins, dice, cards examples	2
Average – Definition and formula of Average – Types of numbers, speed and biological problems	2
Problems on Age – Conditions of forward and backward types - Using the notations Ago, Before, After, and Hence types of problems	2
Time & Work – Definitions and formula of Time and Work -Working single and multiple types of persons	2
Chain Rule - Definition & Direct proportion conditions and its problems – Indirect proportion conditions and its examples – Difference between direct and Indirect proportion	2
Profit and Loss – Introduction, important condition and types of profit and loss problems	2
Odd man out series – Concepts and conditions of odd man out series -types of odd man out series, number and alphabetical series	2
Time & Distance - Introduction, important formulas and condition and types of Time and Distance problems	2
HCF & LCM of Numbers –Definition of Highest common factor and Least common multiple - Factorization method and Shortcut method	2

Total Periods: 20

P. Srinivas
STAFF INCHARGE

Srinivas
VP/HEAD (T&P)

5.2 NOV 2019



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COLLEGE OF ENGINEERING
(U.A.C. Approved Institution)
(Approved by AICTE New India Mission as
Best Engineering College)



**DEPARTMENT OF TRAINING & PLACEMENT
COURSE PLAN**

Sub. Name	: Quantitative Aptitude	Branch / Year / Sem	: B.E (All Branches/III/VI)
Staff Name	: Ms. P.Suganya & Mr. B. Barankumar	Batch	: 2017-2021
		Academic Year	: 2019-20(Even)

COURSE OBJECTIVE:

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude.

TEXT BOOK:

T1. Quantitative Aptitude - R. S. Aggarwal – S. Chand Publications

WEB RESOURCES

- W1. www.indiabix.com
- W2. www.indeed.com
- W3. www.freshersworld.com
- W4. www.testpot.com
- W5. www.math4.com

17 2 NOV 2019

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Permutations & combinations						(2)
1	Definition, Factorial notation and examples, Difference between Permutation and Combination	T1, W3	613-615	BB	1	1
2	Number of combinations and its types of problems	T1	616-620	BB	1	2
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Analyze the concept of Permutation and combination Identify the difference between permutation and combination 						
Probability						(2)
3	Definitions and conditions of coins, dice, and cards, Sample space and probability formulas	T1, W3	621-623	BB	1	3
4	Problems of coins, dice, cards examples	T1	624-626	BB	1	4
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Outline knowledge on Probability Explain the difference between Sample space, event, probability 						
Average						(2)
5	Definition and formula of Average	T1, W1	139-145	BB	1	5
6	Types of numbers, speed and biological problems	T1, W2	145-160	BB	1	6
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Describe and Comparison of Average Analyze and solve the problem on Average 						
Problems on Age						(2)
7	Conditions of forward & backward types of problems	T1, W1	181-183	BB	1	7
8	Using notations of age problems	T1, W2	184-186	BB	1	8
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Analyze & Compare the ages of above and after problems Solve the problems on Before and Hence types 						
Time and Work						(2)
9	Definitions and formula of Time and Work	T1, W1	341-344	BB	1	9
10	Working single and multiple type	T1, W2	345-350	BB	1	10
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none"> Outline the knowledge of Time and Work Analyze the concept of Time and Work 						

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Chain Rule (2)						
11	Definition & Direct proportion conditions and its problems - Indirect proportion conditions and its examples	T1,W2	326 -328	BB	1	11
12	Difference between direct and Indirect proportion	T1	329 -333	BB	1	12
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Understand the concept of chain rule Identify the difference between direct and indirect proportion 						
Profit and Loss (2)						
13	Introduction, important condition	T1	251-256	BB	1	13
14	types of profit and loss problems	T1,W2	257-269	BB	1	14
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Outline knowledge on Profit and Loss Explain the difference between profit and loss 						
Odd man out series (2)						
15	Concepts and conditions of odd man out series	T1,W1	649 - 650	BB	1	15
16	Types of odd man out series, number and alphabetical series	T1,W2	651 - 653	BB	1	16
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Describe odd man out series Identify the types of series 						
Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Time and Distance (2)						
17	Introduction, important formulas and conditions Time and Distance problem	T1	384 -389	BB	1	17
18	concepts and its problems	T1, W1	390 -393	BB	1	18
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Describe odd man out series Identify the types of series 						

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Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
HCF & LCM of Numbers						(2)
19	Definition of Highest common factor and Least common multiple	T1, W3	30-34	BB	1	19
20	Factorization method and Shortcut method	T1	35-45	BB	1	20
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Analyze the concept of LCM and HCF of numbers Explain the difference between LCM and HCF of numbers 						

COURSE OUTCOME

At the end of the course, the students will be able to

- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

CONTENT BEYOND THE SYLLABUS

Solving various Company Question papers.

P. Suganya
P. Suganya

Prepared by
Ms. P. SUGANYA
Mr. B. BARANKUMAR

9/10/19
Verified By
VP/HEAD (T&P)

12/11/19

Approved by
PRINCIPAL

17 2 NOV 2019



Attendance and Assessment Record

Name of the Staff : P. Suganya
Department : Training and placement
Subject Code & Name : Aptitude
Branch : III EEE
Semester : VI

Attendance and Assessment Record

Name of the Staff : P. Suganya Dept T&P
 Name of the Subject : Aptitude Code _____
 Branch EEE
 Semester VI Year III
 Date of Commencement : 16.12.19 Last Working Day 28.02.20

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
End of the First Month	8	8	40%	<i>[Signature]</i>
End of the Second Month	20	12	60%	<i>[Signature]</i>
End of the Third Month	20	20	100%	<i>[Signature]</i>
End of the Fourth Month				

J. Ramani
 19/4/2024

PRINCIPAL

Attendance Particulars												
Roll No.	Name	Date	16	18	6	8	13	20	22	27	10	12
		Month	12	12	1	1	1	1	1	1	2	2
		Period	5	3	5	3	5	5	3	5	5	3
1	Adhavan. S		a	a	/	/	/	/	/	/	a	/
2	Divya Bharath. R		a	a	/	/	/	a	/	/	/	a
3	Ganesan. F		/	/	a	/	/	a	/	/	/	/
4	Harisharan. R		/	/	/	/	/	/	/	/	/	/
5	Tshwazy. N		/	/	/	/	/	/	/	/	/	/
6	Mano. M		/	/	/	/	/	/	/	a	/	/
7	Nandhini. M		a	/	/	/	/	/	/	/	a	/
8	Prabhakaran. K		/	/	/	/	/	/	/	/	/	/
9	Priyadharshini. R		/	/	/	/	/	/	/	/	/	/
10	Raghu. P		a	/	/	/	a	/	/	/	/	/
11	Sindhu. S		a	a	/	/	/	/	/	/	/	/
12	Sudharshan. S		/	/	/	/	/	/	/	/	/	/
13	Vijay. C		a	a	/	/	a	a	/	a	/	/
14	Gopinath. P		/	/	/	/	/	/	/	/	/	/
15	Harisharan. S		/	/	/	/	a	/	/	/	a	/
16												
17												
18												
19												
20												
21												
22	Present		9	11	14	15	12	12	15	13	12	14
23	Absent		6	4	1	-	3	3		2	3	1
24	Signature		15	15	B	B	B	B	B	B	B	B
25												

Roll No.	14	19	23	23	23	23	29	29	29	29
	2	2	2	2	2	2	2	2	2	2
	5	3	1	2	3	4	1	2	3	4
1	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	a	a	a	a
3	/	a	/	/	/	/	/	/	/	/
4	/	/	a	a	a	a	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/
7	/	00	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	a	a	a	a
9	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/
11	/	00	/	/	/	/	/	/	/	/
12	/	/	a	a	a	a	/	/	/	/
13	a	/	/	/	/	/	a	a	a	a
14	a	/	/	/	/	/	a	a	a	a
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16										
17										
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19										
20										
21										
22										
23	13	14	12	12	12	12	11	11	11	11
24	2	1	3	3	3	3	4	4	4	4
25	B	B	B	B	B	B	B	B	B	B

RECORD OF CLASS WORK						
Unit No.	Date	TOPICS COVERED	PERIOD	CUMULATIVE PERIOD	STAFF INITIAL	HOD INITIAL
1.	16.12.19	Permutation and combination - notation and examples	5	1	P	
2.	18.12.19	Permutation and combination - No. of combinations and types of problems	3	2	P	
3.	06.01.20	Probability - Introduction, coins, dice, cards problems solved	5	3	P	
4.	08.01.20	Probability - coins, dice, cards examples	3	4	P	
5.	13.01.20	Average - Definition and formula of average	5	5	A	
6.	20.01.20	Average problems solved	5	6	P	
7.	22.01.20	Problems on Ages - Definition, formula and Problems Solved	3	7	A	
8.	27.01.20	Problems on Ages Using notations of				
Hours Planned:			Hours Handled:			

RECORD OF CLASS WORK				
Unit No.	Date	TOPICS COVERED	PERIOD	CUMULATIVE
9.	10.02.20	age problems solved Time and work - Definition, formula and Problems	5	8
10	12.02.20	Time and work - working single and multiple type	3	10
11.	17.02.20	Chain Rule - Definition, direct and indirect proportion	5	11
12.	19.02.20	Chain Rule - Difference between direct and Indirect proportion	3	12
13.	23.02.20	Profit and Loss - Introduction, Important condition	1	13
14	23.02.20	Profit and Loss - types of profit and loss	2	14
Hours Planned: 20			Hours Handled:	

RECORD OF CLASS WORK						
Unit No.	Date	TOPICS COVERED	PERIOD	CUMULATIVE PERIOD	STAFF INITIAL	HOD INITIAL
15.	23.02.20	odd man out Series				
		Concepts and Conditions	2	15	P	
16.	23.02.20	odd man out Series				
		Types of odd man out series	4	16	P	
17.	29.02.20	Time and Distance				
		Introduction, important conditions	1	17	P	
18.	29.02.20	Time and Distance				
		Concepts and its Problems solved	2	18	P	
19.	29.02.20	Hcf and LCM of numbers - Definition, Hcf and LCM	3	19	P	
20.	29.02.20	Hcf and LCM of numbers - factorization method, short cut method.	4	20	P	
		Verified				
Hours Planned: 20			Hours Handled: 20			

**KINGS COLLEGE OF ENGINEERING
PUNALKULAM
THANJAVUR - 613 303**

Vision :

To impart globally competitive technical education, enhance human values and to provide a research atmosphere to the socially challenged aspirants.

Mission :

Providing a comprehensive theoretical foundation, inculcating state of the art engineering practices and cutting edge research ambience that lead to societal upliftment with ethical values through effective teaching learning methodologies and appropriate Information Communication tools



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NAAC ACCREDITED INSTITUTION

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai

ACADEMIC YEAR 2019 - 2020 / EVEN SEMESTER

LABORATORY MANUAL

Name of the Student : Chopinath P
Register Number : 82117105301
Year / Semester : III / VI
Lab. Code & Name : Training & placement

CONTENT

EX.NO	DESCRIPTION	PAGE NO	DATE	MARKS	SIGN
1	Permutations and Combinations	09	16-12-2019	10	P. Luv
2	Probability	11	6-1-2020	10	P. Luv
3	Average	14	15-1-20	10	P. Luv
4	Problems on Age	16	22-1-20	10	P. Luv
5	Time and Work	18	12.2.20	7	P. Luv
6	Chain Rule	20	17-2-20	10	P. Luv
7	Profit and Loss	22	23-2-20	8	P. Luv
8	Odd man out Series	26	27-2-20	10	P. Luv
9	Time and Distance	28	29.2.20	7	P. Luv
10	H.C.F and L.C.M of Numbers	30	29.2.20	9	P. Luv

TOPIC:1 PERMUTATIONS AND COMBINATIONS

Note:

Permutation Formula and Facts

1. Factorial Notation:

Let n be a positive integer. Then, factorial n , denoted $n!$ is defined as:

$$n! = n(n-1)(n-2) \dots 3.2.1$$

Example: $5! = 5 \times 4 \times 3 \times 2 \times 1 = 120$

Note: Please remember $0! = 1$

Permutation:

The different arrangements of a given number of things by taking some or all at a time, are called permutations.

Example:

i. All permutations (or arrangements) made with the letters a, b, c by taking two at a time are (ab, ba, ac, ca, bc, cb) .

ii. All permutations made with the letters a, b, c taking all at a time are: $(abc, acb, bac, bca, cab, cba)$

Number of Permutation:

Number of all permutations of n things, taken r at a time, is given by:

$$nPr = n(n-1)(n-2) \dots (n-r+1) = \frac{n!}{(n-r)!}$$

Example: $4P2 = 4 \times 3 = 12$, $6P2 = 6 \times 5 = 30$

2. Combination formula and facts

Each of the different groups or selections which can be formed by taking some or all of a number of objects is called a combination.

Examples:

1. Suppose we want to select two out of three boys A, B, C . Then, possible selections are AB, BC and CA .

Note: AB and BA represent the same selection.

2. All the combinations formed by a, b, c taking ab, bc, ca .

3. The only combination that can be formed of three letters a, b, c taken all at a time is abc .

4. Various groups of 2 out of four persons A, B, C, D are: AB, AC, AD, BC, BD, CD .

5. Note that ab, ba are two different permutations but they represent the same combination.

6. Number of Combinations: The number of all combinations of n things, taken r at a time is:

Exercise:1

1. The value of $75P_2$

- a) 2775 b) 150 c) 5550 d) None of these

2. In how many ways can the letters of the word APPLE be arranged?

- a) 720 b) 120 c) 60 d) 180

3. In how many ways can the letters of the word LEADER be arranged?

- a) 72 b) 144 c) 360 d) 720 e) None of these

4. In how many ways can the letters of the word RUMOUR be arranged?

- a) 180 b) 90 c) 30 d) 720

5. How many arrangements can be made out of the letters of the word ENGINEERING?

- a) 277200 b) 92400 c) 69300 d) 23100

6. How many words can be formed from the letters of the word SIGNATURE so that the vowels always come together?

- a) 720 b) 1440 c) 2880 d) 3600 e) 17280

7. In how many different ways can the letters of the word OPTICAL be arranged so that the vowels always come together?

- a) 120 b) 720 c) 4320 d) 2160 e) None of these
8. In how many different ways can the letters of the word LEADING be arranged so that the vowels always come together?
- a) 360 b) 480 c) 720 d) 5040
9. In how many different ways can the letters of the word JUDGE be arranged so that the vowels always come together?
- a) 48 b) 120 c) 124 d) 160
10. In how many different ways can the letters of the word CORPORATION be arranged so that the vowels always come together?
- a) 810 b) 1440 c) 2880 d) 50400
11. In how many ways a committee, consisting of 5 men and 6 women can be formed from 8 men and 10 women?
- a) 266 b) 5040 c) 11760 d) 86400
12. In a group of 6 boys and 4 girls, four children are to be selected. In how many different ways can they be selected such that at least one boy should be there?
- a) 159 b) 194 c) 205 d) 209
13. Out of 7 consonants and 4 vowels, how many words of 3 consonants and 2 vowels can be formed?
- a) 210 b) 1050 c) 5200 d) 25410
14. From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done?
- a) 564 b) 645 c) 735 d) 756
15. A box contains 2 white balls, 3 black balls and 4 red balls. In how many ways can 3 balls be drawn from the box, if at least one black ball is to be included in the draw?
- a) 32 b) 48 c) 94 d) 96
16. How many words can be formed by using all the letters of the word BIHAR?
- a) 120 b) 240 c) 250 d) 125
17. In how many words can be formed from the letters of the word MATHEMATICS so that the vowels always come together?
- a) 10080 b) 4989600 c) 120960 d) None of these
18. In how many words can be formed from the letters of the word OPTICALS so that the vowels always come together?
- a) 120 b) 720 c) 4320 d) 2160
19. In how many words can be formed from the letters of the word JUDGE so that the vowels always come together?
- a) 48 b) 120 c) 124 d) 160
20. How many words can be formed from the letters of the word DIRECTOR so that the vowels always come together?
- a) 2160 b) 580 c) 2880 d) 540

Ans	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
a.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Marks

Signature of Staff



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Department of Training and Placement

CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr./Ms. **Adhavan S/Electrical and Electronics Engineering**

for successfully completing Soft Skills and Aptitude Courses
which was conducted from July 2019 to March 2020.

Vice Principal-HEAD/T&P

Principal



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
TIME TABLE (DEC 2019 – MAY 2020, EVEN SEM)
B.E – ECE (Regulation 2013)-With Effect from 16.12.2019

Batch: 2016-2020

Strength: 52

Year: IV

Semester: VIII

Class Room: 127_g

Block: I

Session	1	2	10.45 am - 11.00 am	3	4	5	01.15 pm - 02.00 pm	6	02.45 pm - 03.00 pm	7	8
Day	09.15am - 10.00am	10.00am - 10.45am		11.00am - 11.45am	11.45am - 12.30pm	12.30pm - 01.15pm		02.00pm - 02.45pm		03.00pm - 03.45pm	03.45p - 04.30p
MON	EC6018	EC6802	BREAK	EC6801	EC6019	T&P(S)	LUNCH BREAK	EC6811	BREAK	EC6811	
TUE	EC6801	EC6018		T&P(A)	EC6802	EC6019		EC6811		EC6811	
WED	EC6018	EC6801		EC6802	OT			EC6811		EC6811	
THU	EC6019	EC6802		EC6019	EC6801	EC6018		EC6811		EC6811	
FRI	S/M/N			S/M/N		LIB/NET		EC6811		EC6811	

SUB CODE	NAME OF THE SUBJECT	CREDITS	NAME OF THE STAFF	DEPT	PERIODS/WEEL
TUTORIAL (T), ELECTIVE (E)					
EC6801	Wireless Communication	3	Mrs.R.Ponni	ECE	4
EC6802	Wireless Networks	3	Dr.T.Shanthi	ECE	4
EC6018	Multimedia Compression and Communication	3(E)	Mr.R.Thandayuthapani	ECE	4
EC6019	Data Converters	3(E)	Mrs. D. Vennila	ECE	4
PRACTICAL (P)					
EC6811	Project Work	6(P)	Mr.R.Thandayuthapani	ECE	15
COMPETENCY DEVELOPMENT CLASS (CDC)					
LIB/NET	Library/Internet	---	Mr.R.Thandayuthapani	ECE	1
OT	Online Test	CDC	Mr.A.Herald	ECE	2
S/M/N	Swayam/MCC/NPTEL	CDC	Mrs. D. Vennila Mr.R.Thandayuthapani	ECE	4
T&P(S)	Training and Placement - Soft Skills	CDC	Mr.B.Sureshbabu	T&P	1
T&P(A)	Training and Placement - Aptitude	CDC	Ms.P.Suganya	T&P	1

CLASS CO-ORDINATOR	NAME OF THE REPRESENTATIVES	ROLL NOS.
Mr.R.Thandayuthapani	Ilankhatir.E	19
	Vidhyasri.UK	46
CLASS COMMITTEE CHAIR PERSON	Mrs.R.Ponni	



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2019-20 / Even Semester

Student Name List - Effect from 16.12.2019

Year/Sem. : IV / VIII

Batch: 2016-2020

Class Coordinator: Mr.R.Thandayuthapani

Strength: 52

R.No	Register No.	Name of the Student	R.No	Register No.	Name of the Student
1	821116106001	ABARNA. P	27	821116106031	MOHAMMED ASHIF KHAN. S
2	821116106002	ABARNA. R	28	821116106034	POOVIZHI. A
3	821116106003	ABINAYAKARTHIKA.T	29	821116106035	PRIYADHARSHINI. G
4	821116106004	AGALYA. S	30	821116106036	PRIYADHARSHINI. K
5	821116106006	AKALYA. K	31	821116106037	PRIYADHARSHINI. P
6	821116106007	ANTONY BERNAD. F	32	821116106038	RANJITHA. C
7	821116106008	ARCHANA. T	33	821116106039	RANJITHA. D
8	821116106009	ARIYAVARSHINI. J	34	821116106040	RASIKA. M
9	821116106010	BALAJI. M	35	821116106041	SANTHAKUMARI. J
10	821116106011	BALARAMAN. A. K	36	821116106042	SANTHIYA. R
11	821116106012	DHANAHARSHINI. S	37	821116106043	SASIREKHA. V
12	821116106013	DHANASEKARAN. S	38	821116106044	SEDHUPATHI. M
13	821116106014	DHIVYA DHARSHINI. R	39	821116106045	SOWMIYA. R
14	821116106015	DHURKA. K	40	821116106046	SRIPRIYA. M
15	821116106016	DIVAKAR. S	41	821116106047	SUTHA. M
16	821116106017	ELAKIYA KOWSHIKA. A	42	821116106048	TAMILAZHAGI. T
17	821116106018	HARINI. M	43	821116106051	VASUDEVAN. T
18	821116106019	ILANKHATHIR. E	44	821116106052	VEERAMANI. M
19	821116106020	INDHUJA. J	45	821116106054	VIDHYA. K
20	821116106022	JAWAHAR. M	46	821116106056	VINITHA. K
21	821116106023	JEEVA. S	47	821116106057	VITHYASRI. U. K
22	821116106024	JENIFER. X	48	821116106058	YASIK RAHMAN. B
23	821116106025	KAYADEVI. G	49	821116106301	HARIHARAN. M
24	821116106026	KOWSALYA. M	50	821116106302	PUGALENDHI. K
25	821116106029	MEERA. K	51	821116106702	ESWARLL
26	821116106030	MEGALA. M	52	821116106901	PAVITHRA. N



SYLLABUS

QUANTITATIVE APTITUDE - IV YEAR (Eighth Semester)

Problems on numbers - Introduction, types of numbers, test of divisibility - numbers based company question papers	2
Problems on age - Introduction, types of forward and backward problems on age	2
Seating Arrangement - Definition and conditions of seating arrangements - Circular arrangements based company question paper	2
Reasoning - Introduction, types of reasoning, reasoning based company question paper	2
Profit and Loss - Definition, Formulae and its types.	2

Total Periods: 10

P. Srinivas
STAFF INCHARGE

[Signature]
VP/HEAD (T&P)



DEPARTMENT OF TRAINING & PLACEMENT
COURSE PLAN

Sub. Name	: Quantitative Aptitude	Branch / Year / Sem	: B.E (All Branches/IV/VIII)
Staff Name	: Ms P.Suganya	Batch	: 2016-2020
	Mr. B. Barankumar	Academic Year	: 2019-20(Even)

COURSE OBJECTIVE:

1. To learn the importance of quantitative aptitude to compete in the recruitment process.
2. To accomplish the knowledge on the basics of aptitude and solving methods.
3. To build skills to solve various problems using shortcut methods.
4. To expose the enabling methodologies in solving the aptitude

TEXT BOOK:

- T1. Quantitative Aptitude - R.S. Aggarwal - S. Chand Publications
T2. A modern Approach to the verbal & Non - verbal reasoning - R.S. Aggarwal

WEB RESOURCES

- W1. www.indiabix.com
W2. www.indeed.com
W3. www.freshersworld.com
W4. www.testpot.com
W5. www.math4.com

22 NOV 2019

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Problems on Numbers						(2)
1	Introduction, types of numbers, test of divisibility	T1,W1	3 -29	BB	1	1
2	Problems on Numbers based company question papers	Class Room Activity			1	2
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none">Analyze the concept of numbersSolve the problems on company question paper						
Problems on Age						(2)
3	Conditions and above, after types of problems	T1,W2	182 -194	BB	1	3
4	Age based company question paper	Class Room Activity			1	4
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none">Understand the concept of agesIdentify the types of forward and backward problems						
Seating Arrangements						(2)
5	Linear & Circular Arrangements	T2,W3	290 -295	BB	1	5
6	Linear & Circular Arrangement based company questions	Class Room Activity			1	6
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none">Describe and Compare linear and circular arrangementsAnalyze and solve the problems on arrangements						
Reasoning						(2)
7	Arithmetical & Logical Reasoning	T2,W2	601 -606	BB	1	7
8	Arithmetical & Logical Reasoning based company questions	Class Room Activity			1	8
LEARNING OUTCOME						
At the end of unit, students should be able to						
<ul style="list-style-type: none">Analyze Arithmetic and Logical typesSolve the problems on various Reasoning problems types.						
Profit and Loss						(2)
9	Definition, Formulae and its types	T2	661 -694	BB	1	9
10	Profit & Loss based company questions	Class Room Activity			1	10

LEARNING OUTCOME

At the end of unit, students should be able to

- Describe profit and loss.
- Identify the types available to calculate the profit and loss.

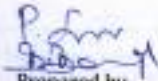
COURSE OUTCOME

At the end of the course, the students will be able to


- Analyze the concepts and formulae for various quantitative aptitude methods.
- Identify and apply the various shortcut methods to solve the problems in aptitude.
- Enough confidence and knowledge on approaching aptitude.

CONTENT BEYOND THE SYLLABUS

1. Solving various Company Question papers.


Prepared by
Ms. P. SUGANYA
Mr. B. BARANKUMAR


Verified By
VP/HEAD (T&P)


Approved by
PRINCIPAL



KINGS
COLLEGE OF ENGINEERING
(Autonomous Institution)
(Approved by AICTE, New Delhi, Affiliated to
K. J. Somaiya Institute of Technology)



DEPARTMENT OF TRAINING & PLACEMENT
SYLLABUS
SOFTSKILLS - IV YEAR (Eight Semester)

1. Interview Skills

2

A to Z of interview - Types of interview - Phone interview - Questions Asked - Reason for rejecting the candidate - on the day of interview.

2. Group Discussion

2

Need and Scope - Characters Tested in a GD - Tips on GD - Types of GD - Skills Required in a GD - Behaviour in GD - Essential Elements - GD Etiquette - Non Verbal Communication in a GD.

3. Career Planning

2

Introduction - Guidelines for choosing a career plan - Tips for successful career planning - Exercise - Test your career interest.

4. Work Culture

2

Introduction to Values - formation of values - Types of values - Individual behavior in work place - team building - Skills needed for team work - A model of team building - role team members - Exercise - Test your team work skills

5. Leadership Qualities

2

Introduction - types of leadership - Leaders are born or made - common skills required for a successful leader - communication skills, public speaking skills, attitude, perseverance, empathy & etc

6. Stress Management

2

Introduction - Kinds of stress - Sources of stress - Effects of stress - Spotting stress in you - Exercise - Test your level of stress.

Total Periods: 12

STAFF INCHARGE

VP/HEAD (T&P)

17.2 NOV 2019



DEPARTMENT OF TRAINING & PLACEMENT
COURSE PLAN

Sub. Name: Soft Skills	Branch / Year / Sem: B.E (All Branch/IV/VIII)
Staff Name: Mr. B. Suresh Babu	Batch : 2016-2020
Mr. K. Sudhakar	Academic Year : 2019-20(EVEN)

COURSE OBJECTIVE:

1. To learn the importance of interview skills to compete in the recruitment process.
2. To accomplish the knowledge on the basics of stress management.
3. To build skills to participate in group discussions.
4. To impart and enhance the skills required for work culture to stick on for corporate life.
5. To build a better career opportunity path.

TEXT BOOKS

T1. Soft Skills – Know yourself and the world - Dr. K. Alex- S. Chand & Co Ltd.

WEB RESOURCES

- W1. <https://www.interviewbest.com/member/presentation>
W2. <http://www.gclearnfree.org/interviewingskills/>
W3. <http://study.com/academy/lesson/cultural-diversity-in-the-workplace-definition-trends-examples.html>
W4. https://www.mindtools.com/pages/article/newLDR_41.htm

17 2 NOV 2019

Topic No	Topic	Books for Reference	Page No.	Teaching Methodology	No. of Hours Required	Cumulative No. of periods
Interview Skills						2
1.	A to Z of interview - Types of interview - Phone interview	T1, W1	164-168	PPT	1	1
2.	Questions Asked - Reason for rejecting the candidate - on the day of interview.	T1, W2	169-177	BB, Class Room Exercise	1	2
LEARNING OUTCOME At the end of unit, students should be able to						
<ul style="list-style-type: none"> Understand the concept of interview. Analyze about skills related to attend interviews. Awareness about the reasons for rejection of candidature 						
Group Discussion						2
3.	Need and Scope - Tips on GD - Types of GD- Skills Required in a GD - Behavior in GD	T1	147 - 150	PPT	1	3
4.	Essential Elements - GD Etiquette - Non Verbal Communication in a GD - Characters Tested in a GD.	T1	150 - 151	PPT, Video, BB Class Room Exercise	1	4
LEARNING OUTCOME At the end of unit, students should be able to						
<ul style="list-style-type: none"> Understand the concept of group discussion Identify the skills and behaviors required to attend a group discussion Ascertain dos and don'ts in group discussions 						
Career Planning						2
5.	Introduction - Guidelines for choosing a career plan, Tips for successful career planning	T1	59 - 62	PPT	1	5
6.	Exercise - Test your career interest. Case Study - Thyrocare's Velumani	T1	62 - 63	PPT, BB, Class Room Exercise	1	6
LEARNING OUTCOME At the end of unit, students should be able to						
<ul style="list-style-type: none"> Awareness about the career planning Analyze the various career opportunity available in general Understand the skills required for choosing proper career for future 						
Work Culture						2
7.	Introduction to Values - formation of values -Types of values-Individual behavior in work place -	T1, W3	34 - 40	PPT	1	7

12 NOV 2019

team building					
8. Skills needed for team work - A model of team building - role team members - Exercise - Test your team work skills	T1	137 - 145	PPT, Video, BB, Class Room Exercise	1	8
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Understand the recent trends in work culture. Analyze the inner qualities needed to cope up with work culture efficiently. 					
Leadership Qualities					2
9. Introduction - types of leadership - Leaders are born or made - common skills required for a successful leader	W4	-	PPT, Video	1	9
10. communication skills, public speaking skills, attitude, perseverance, empathy & etc	T1, W4	100	PPT, Video, BB, Class Room Exercise	1	10
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Understand the concept of leadership concept and styles. Analyze about the various skills needed to become a good leader. 					
Stress Management					2
11. Introduction - Kinds of stress - Sources of stress	T1, W3	237,239-240	PPT	1	11
12. Effects of stress - Spotting stress in you - Exercise - Test your level of stress.	T1	238,244-247	PPT, BB, Class Room Exercise	1	12
LEARNING OUTCOME At the end of unit, students should be able to <ul style="list-style-type: none"> Understand the concept of stress. Analyze about the reasons for causing of stress. Awareness about the measures taken to overcome stress. 					

COURSE OUTCOME

At the end of the course, the students will be able to

- Choose a best career for better future
- Understand and apply the interview skills.
- Identify and apply skills required to get through in group discussions
- Awareness about the role of stress for the self development
- Enough confidence and knowledge on approaching work culture

EVALUATION TEST: Mock interviews and Group Discussions.

Prepared by
 Mr. B. SURESHBABU
 Mr. K.SUDHAKAR

Approved by
 PRINCIPAL

Verified by
 VP/HEAD (T&P)

72 NOV 2019



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COLLEGE OF ENGINEERING
Punakulam, Thanjavur.
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai





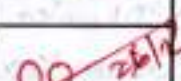
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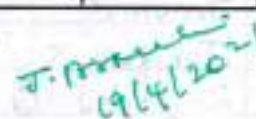
Attendance and Assessment Record

Name of the Staff : Mr. B. Suresh Babu, Ms. P. Suganya
Department : Training and placement
Subject Code & Name : Soft skills, Aptitude
Branch : IV ECE
Semester : VIII

Attendance and Assessment Record

Name of the Staff : Mr. B. Suresh Babu Dept T&P
 Name of the Subject : SS, Aptitude Code _____
 Branch : ECE
 Semester : VIII Year IV
 Date of Commencement : 16.12.19 Last Working Day 28.02.20

Details	Sessions Planned	Sessions Handled	% of Portions covered	Sign. of HOD
Softskills End of the First Month	5	3	30%	
Aptitude	4	2	20%	
Softskills End of the Second Month	10	6	60%	
Aptitude	10	3	30%	
Softskills End of the Third Month	12	12	100%	
Aptitude	10	10	100%	
End of the Fourth Month				


 19/4/2021

PRINCIPAL

Attendance Particulars			Soft Skills											
Roll No.	Name	Date	16	04	06	2	18	18	22	22	22	22	22	22
		Month	12	01	01	3	2	2	2	2	2	2	2	2
		Period	05	05	05	5	3	4	5	6	7	8	9	10
1	Abarna. P		1	1	00	1	1	1	1	1	1	1	1	1
2	Abarna. R		1	1	00	1	1	1	1	1	1	1	1	1
3	Abinaya Karthika. T		1	1	00	1	1	1	1	1	1	1	1	1
4	Agalya. S		1	1	00	1	1	1	1	1	1	1	1	1
5	Akalya. K		1	1	00	1	1	1	1	1	1	1	1	1
6	Antony Bernad. F		1	1	1	1	1	1	1	1	1	1	1	1
7	Archana. T		1	1	00	1	1	1	1	1	1	1	1	1
8	Ariyavarshini. J		1	1	1	1	1	1	1	1	1	1	1	1
9	Balaji. M		1	1	1	1	1	1	1	1	1	1	1	1
10	Balaraman. A.K		1	1	1	1	1	1	1	1	1	1	1	1
11	Dhanabharshini. S		1	1	1	1	1	1	1	1	1	1	1	1
12	Dhanasekaran. S		00	00	1	1	1	1	1	1	1	1	1	1
13	Dhinyadharshini. R		1	1	1	1	1	1	1	1	1	1	1	1
14	Dhruva. K		1	1	00	1	1	1	1	1	1	1	1	1
15	Divakar. S		1	1	1	1	1	1	1	1	1	1	1	1
16	Elakiya Koushika. A		1	1	00	1	1	1	1	1	1	1	1	1
17	Harini. M		1	1	00	1	1	1	1	1	1	1	1	1
18	Ilankhatir. F		1	1	1	1	1	1	1	1	1	1	1	1
19	Indhuja. J		1	1	00	1	1	1	1	1	1	1	1	1
20	Jalwahan. M		1	1	1	1	1	1	1	1	1	1	1	1
21	Jeeva. S		1	1	1	1	1	1	1	1	1	1	1	1
22	Jenifer. X		1	1	00	1	1	1	1	1	1	1	1	1
23	Kayadevi. G		1	1	00	1	1	1	1	1	1	1	1	1
24	Kowsalya. M		1	1	00	1	1	1	1	1	1	1	1	1
25	Meena. K		1	1	00	1	1	1	1	1	1	1	1	1

Roll No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	1	1																							
2	1	1																							
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Attendance Particulars			Soft Skills											
Roll No.	Name	Date	16	4	06	2	18	18	22	22	22	22	22	22
		Month	12	1	01	3	2	2	2	2	2	2	2	2
		Period	5	5	5	5	3	4	5	6	7	8	8	8
26	Megala. M		1	1	OD	1	1	1	1	1	1	1	1	1
27	Mohamed Asif Khan. S		1	1	1	1	1	1	1	1	1	1	1	1
28	Poovizhi. A		1	1	OD	1	1	1	1	1	1	1	1	1
29	Priyadharshini. G		1	1	1	a	1	1	1	1	1	1	1	1
30	Priyadharshini. K		OD	1	1	1	1	1	a	a	a	a	a	a
31	Priyadharshini. P		1	1	1	1	1	1	1	1	1	1	1	1
32	Ranjitha. C		1	1	1	1	1	1	1	1	1	1	1	1
33	Ranjitha. D		1	1	1	1	a	a	1	1	1	1	1	1
34	Rasika. M		1	1	1	1	1	1	1	1	1	1	1	1
35	Santha Kumari. J		OD	1	1	1	1	1	1	1	1	1	1	1
36	Santhiya. R		1	1	1	1	1	1	1	1	1	1	1	1
37	Sasirekha. V		1	1	1	1	1	1	1	1	1	1	1	1
38	Sedhupathi. M		1	a	a	1	1	1	1	1	1	1	1	1
39	Sowmiya. R		1	1	OD	1	1	1	1	1	1	1	1	1
40	Sripriya. M		1	1	OD	1	1	1	1	1	1	1	1	1
41	Sutha. M		1	1	OD	1	1	1	1	1	1	1	1	1
42	Tamilazhagi. T		1	1	a	1	a	a	1	1	1	1	1	1
43	Vasudevan. T		OD	1	1	1	1	1	1	1	1	1	1	1
44	Veeramani. M		1	1	1	1	1	1	1	1	1	1	1	1
45	Vidhya. K		1	1	1	1	1	1	1	1	1	1	1	1
46	Vinita. K		1	1	1	1	1	1	1	1	1	1	1	1
47	Vithyasri. U.K		OD	1	1	1	1	1	1	1	1	1	1	1
48	Yasir Rahman. B		1	1	1	1	1	1	a	a	a	a	a	a
49	Haribaran. M		1	1	1	1	1	1	1	1	1	1	1	1
50	Pugalendhi. K		1	1	1	1	1	1	1	1	1	1	1	1

Roll No.	Name	Soft Skills											
		Date	16	4	06	2	18	18	22	22	22	22	22
		Month	12	1	01	3	2	2	2	2	2	2	2
		Period	5	5	5	5	3	4	5	6	7	8	8
26			1	1									
27			1	1									
28			1	1									
29			1	1									
30			1	1									
31			1	1									
32			1	1									
33			1	1									
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41			1	1									
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44			1	1									
45			1	1									
46			1	1									
47			a	a									
48			1	1									
49			1	1									
50			1	1									

Attendance Particulars			Soft Skills									
Roll No.	Name	Date	16	4	06	2	18	18	22	22	22	22
		Month	12	1	1	3	2	2	2	2	2	2
		Period	55	05	5	3	4	5	6	7	8	8
51	ESWARI L		1	a	1	1	1	1	1	1	1	1
52	Pavithra N		1	1	a	1	1	1	1	1	1	1
53												
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		Absent										
		Staff Signature										

Roll No.	Name										
51											
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Attendance Particulars			
Roll No.	Name	Date	
		Month	
		Period	
1	Abarna. P		
2	Abarna. R		
3	Abinaya Karthika.		
4	Agalya. S		
5	Akalya. K		
6	Antony Bernad. F		
7	Archana. T		
8	Aziyavarshini. J		
9	Balaji. M		
10	Balaramen. A. K		
11	Dhanashanthini. S		
12	Dhanasekaran. S		
13	Dhinyadharshini. R		
14	Dhruva. K		
15	Divakar. S		
16	Elakiya Koushika.		
17	Harini. M		
18	Ilankhatir. E		
19	Indhuja. J		
20	Jawahar. M		
21	Jeeva. S		
22	Jenifer. X		
23	Kayadevi. G		
24	Kousalya. M		
25	Meena. K		

Roll No.	17	7	11	15	15	15	15	22	22	22
	12	1	2	2	2	2	2	2	2	2
	3	3	3	5	6	7	8	6	7	8
1	/	00	/	/	/	/	/	/	/	/
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24	/	/	a	/	/	/	/	/	/	/
25	/	/	/	/	/	/	/	/	/	/

Aptitude

Attendance Particulars			
Roll No.	Name	Date	
		Month	
		Period	
26	Megala. M		
27	Mohamed Asif Khan. S		
28	Poovizhi. A		
29	Priyadharshini. G		
30	Priyadharshini. K		
31	Priyadharshini. P		
32	Ranjitha. C		
33	Ranjitha. D		
34	Rasika. M		
35	Santha Kumari. J		
36	Santhiya. R		
37	Sasirekha. V		
38	Sedhupathi. M		
39	Sowmiya. R		
40	Saipriya. M		
41	Surtha. M		
42	Tamilazhagi. T		
43	Vasudevan. T		
44	Veeramani. M		
45	Vidhya. K		
46	Vinita. K		
47	Vithyasri. U.K		
48	Yasik Rahman. B		
49	Haribaran. M		
50	Pugalendhi. K		

Roll No.	14	7	11	15	15	15	15	22	22	22
	12	1	2	2	2	2	2	2	2	2
	3	3	3	5	6	7	8	6	7	8
26	/	/	/	/	/	/	/	/	/	/
27	a	/	/	a	a	a	a	/	/	/
28	/	00	/	/	/	/	/	a	a	a
29	/	00	a	/	/	/	/	/	/	/
30	00	a	/	a	a	a	a	/	/	/
31	/	/	/	/	/	/	/	/	/	/
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42	/	00	/	a	a	a	a	/	/	/
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46	/	00	/	/	/	/	/	a	a	a
47	00	/	/	/	/	/	/	/	/	/
48	00	/	/	a	a	a	a	/	/	/
49	a	/	a	/	/	/	/	/	/	/
50	a	/	/	/	/	/	/	/	/	/

Aptitude

Attendance Particulars			
Roll No.	Name	Date	
		Month	
		Period	
51	Eshwari L		
52	Pavithra N		
53			
54			
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60			
61			
62			
63			
64			
65			
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73			
74			
75			
		Present	
		Absent	
		Staff Signature	

Roll No.	14	15	16	17	18	19	20	21	22	23	24
	12	1	2	2	2	2	2	2	2	2	2
	3	3	3	5	6	7	8	6	7	8	
	51	2	00	1	1	1	1	1	1	1	1
52	1	2	1	1	1	1	1	1	1	1	1
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75											
Pr	46	48	53	44	44	44	44	45	45	45	45
Ab	06	04	09	08	08	08	08	07	07	07	07
Sig.											

Attendance Particulars		
Roll No.	Name	Date
		Month
		Period
26	Megala. M	
27	Mohamed Asif Khan.	
28	Poovizhi. A	
29	Priyadharshini. G	
30	Priyadharshini. K	
31	Priyadharshini. P	
32	Ranjitha. C	
33	Ranjitha. D	
34	Rasika. M	
35	Santha Kumari. J	
36	Santhiya. R	
37	Sasirekha. V	
38	Sedhupathi. M	
39	Sowmiya. R	
40	Saipriya. M	
41	Sutha. M	
42	Tamilazhagi. T	
43	Vasudevan. T	
44	Veeramani. M	
45	Vidhya. K	
46	Vinitha. K	
47	Vithyasri. U.K	
48	Yasik Rahman. B	
49	Haribaran. M	
50	Pugalendhi. K	

[illegible]

Roll No.	Assignment (Date)				Attendance				Test						
	Announcement	1	2	3	1	2	3	4	AT-I	AT-II	AT-III				
		Submission													
26		12	15						20	20					
27		15	16						15	12					
28		18	15						AB	AB					
29		16	18						15	17					
30		2	15						3	10					
31		18	20						8	9					
32		19	16						19	12					
33		20	15						AB	10					
34		19	2						16	14					
35		20	20						10	13					
36		20	20						7	14					
37		20	20						8	15					
38		18	18						9	13					
39		19	15						6	10					
40		20	20						AB	AB					
41		15	19						5	14					
42		17	17						10	17					
43		18	18						AB	20					
44		18	18						5	12					
45		18	12						7	12					
46		16	17						18	AB					
47		18	2						12	15					
48		2	18						AB	14					
49		12	18						8	13					
50		16	18						AB	12					

RECORD OF CLASS WORK						
Unit No.	Date	TOPICS COVERED	PERIOD	CUMULATIVE PERIOD	STAFF INITIAL	HOD INITIAL
		<u>Aptitude</u>				
1.	17.12.19	Introduction, types of numbers, test of divisibility	3	1	P	
2.	02.01.20	Problems on numbers based company questions	3	2	P	
3.	11.02.20	Problems on Ages - conditions and above, after types problems	3	3	P	
4.	15.02.20	Problems on Ages Age based company question paper solved	5	4	P	
5.	15.02.20	Seating Arrangements Linear and Circular arrangements	6	5	P	
6.	15.02.20	Seating Arrangements Linear & Circular based Company questions	7	6	P	
7.	15.02.20	Reasoning - Arithmetic and logical Reasoning	8	7	P	
8.	20.02.20	Reasoning - Arithmetic and logical Reasoning	6	8	P	
Hours Planned:		Hours Handled:				

RECORD OF CLASS WORK				
Unit No.	Date	TOPICS COVERED	PERIOD	CUMULATIVE PERIOD
9.	22.02.10	Profit and Loss - Definition, formula and its types	7	9
10.	22.02.10	Profit and Loss - Company question solved	8	10
<p>Verified</p> <p>P. 1 19/4/21</p> <p>J. P. 19/4/2021</p>				
Hours Planned: 10 ✓		Hours Handled:		

RECORD OF CLASS WORK							
Unit No.	Date	Soft skills TOPICS COVERED	PERIOD	CUMULATIVE PERIOD	STAFF INITIAL	HOD INITIAL	
	16/11/19	Introduction to IPR	5	1	✓		
	4-1-20	Resume writing	5	2	✓		
	6-1-20	Go TIPS	5	3	✓		
	18-2-20	online Test - Hire me	3	4	✓		
		me (coordination)	4	✓	✓		
	2/3/20	Career planning/ Interview questions	5	5	2		
	18/2/20	online Test - Hire me					
		Coordination	4	6	✓		
	20/2/20	Types of values	5	7			
	21/2/20	Skills needed to team work	3	✓			
	22/2/20	skills required by leader	2	9			
	24/2/20	Public Speaking skills	8	10	✓		
	26/2/20	Kind of Stress/stressors	1	11			
	27/2/20	Effects of stress	1	12	✓		
		Verified					
		P. 1					
		19/4/21					
Hours Planned: 19			Hours Handled: 12				



DEPARTMENT OF TRAINING AND PLACEMENT
Problems on Ages

19
20

Name of the student :	RANJITHA. C	Branch / Year / Sec / Sem:	ECE / IV / VIII
Roll no :	52	Test No :	1
Date/Hour :	13/02/2020	Total Marks :	20

1. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child? A .4 years B. 8 years C.10 years D. None of these
2. Present ages of Sameer and Anand are in the ratio of 5 : 4 respectively. Three years hence, the ratio of their ages will become 11 : 9 respectively. What is Anand's present age in years?
A.24 B.27 C.40 D.Cannot be determined
3. Six years ago, the ratio of the ages of Kunal and Sagar was 6 : 5. Four years hence, the ratio of their ages will be 11 : 10. What is Sagar's age at present?
A.16 years B.18 years C.20 years D.Cannot be determined
4. The sum of the present ages of a father and his son is 60 years. Six years ago, father's age was five times the age of the son. After 6 years, son's age will be:
A.12 years B.14 years C.18 years D.20 years
5. At present, the ratio between the ages of Arun and Deepak is 4 : 3. After 6 years, Arun's age will be 26 years. What is the age of Deepak at present ?
A.12 years B.15 years C.19 and half D.21 years
6. Sachin is younger than Rahul by 7 years. If their ages are in the respective ratio of 7 : 9, how old is Sachin? A.16 years B.18 years C.28 years D.24.5 years E.None of these
7. The present ages of the persons are in proportions 4:7:9. Eight years ago, the sum of their ages was 56. Find their present ages.
a) 8,20,28 b) 16,28,36 c) 20,35,45 d) None of these
8. A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:
A.14 years B.19 years C.33 years D.38 years
9. A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is B? A.7 B.8 C.9 D.10
10. A man is 24 years older than his son. In two years, his age will be twice the age of his son. The present age of his son is: A.14 years B.18 years C.20 years D.22 years
11. The sum of the present ages of a father and his son is 60 years. Six years ago, father's age was five times the age of the son. After 6 years, son's age will be:
A.12 years B.14 years C.18 years D.20 years
12. Ayesha's father was 38 years of age when she was born while her mother was 36 years old when her brother four years younger to her was born. What is the difference between the ages of her parents?
A.2 years B.4 year C.6 years D.8 years

13. Q is as much younger than R as he is older than T. If the sum of the ages of R and T is 50 years, what is definitely the difference between R and Q's age?
A. 1 year B. 2 year C. 25 years D. Data inadequate
14. The age of father 10 years ago was thrice the age of his son. Ten years hence, father's age will be twice that of his son. The ratio of their present ages is:
A. 5 : 2 B. 7 : 3 C. 9 : 2 D. 13 : 4
15. A father said his son, "I was as old as you are at present at the time of your birth." If the father age is 38 now, the son age 5 years back was :
A) 14 B) 19 C) 33 D) 38
16. The total age of A and B is 12 years more than the total age of B and C. C is how many years younger than A?
A) 12 B) 13 C) 14 D) 15
17. Five years ago, the average age of A, B, C and D was 45 years. With E joining them now, the average of all the five is 49 years. The age of E is?
A) 12 B) 13 C) 14 D) 49
18. In 10 years, A will be twice as old as B was 10 years ago. If A is now 9 years older than B, the present age of B is :
A) 19 B) 29 C) 39 D) 49
19. The ratio of the present ages of P and Q is 3 : 4. Five years ago, the ratio of their ages was 5 : 7. Find their present ages.
A) 19 B) 29 C) 39 D) 49
20. The ratio of the father's age to the son's age is 3 : 1. The product of their ages is 147. The ratio of their ages after 5 years will be?
A. 5 : 2 B. 7 : 3 C. 9 : 2 D. 13 : 6

Space for rough work

$$38 - x = x$$

$$2x = 38$$

$$x = 19$$

$$2x + 2 + 2x + 2 = 27$$

$$x = 5$$

$$B's \text{ age} = 2x = 10$$

SHADE YOUR ANSWERS HERE

	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
1.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	6.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	11.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	16.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	7.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	12.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	17.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
3.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	8.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	13.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	18.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
4.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	9.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	14.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	19.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
5.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	10.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	15.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	20.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Test Your Communication Skills

Activity I

Final Year Students - Common to all

Marks : 50

Date : 27.03.2020

Time : 30 Minutes

*Required

1. Name: *

2. Roll No: *

3. Department / Year / Section *

4. 1. _____ means communication without words. *

Mark only one oval

- ☐ a. Object communication
- ☐ b. Written communication
- ☐ c. Oral communication
- ☐ d. Non-verbal communication

5. 2. The person who transmits the message is called ____.

2 points

Mark only one oval.

- ☐ a. channel
- ☐ b. sender
- ☐ c. receiver
- ☐ d. response

6. 3. _____ aims at making people work together for the common good of the organization.

2 points

Mark only one oval.

- ☐ a. communication
- ☐ b. conversation
- ☐ c. combination
- ☐ d. connection

7. 4. At each stage in the process of communication, there is a possibility of interference which may hinder the process. Such interference is known as ____.

2 points

Mark only one oval.

- ☐ a. sender
- ☐ b. receiver
- ☐ c. barrier
- ☐ d. none of them



A NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



20th year of
Academic Excellence
SEEK * STRIVE * SUCCEED

Department of Training and Placement

CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr./Ms. **Ranjitha. C / Electronics and Communication Engineering**

for successfully completing Soft Skills and Aptitude Courses
which was conducted from July 2019 to March 2020.

Vice Principal-HEAD/T&P

Principal

This is electronically generated certificate and does not need any Signature

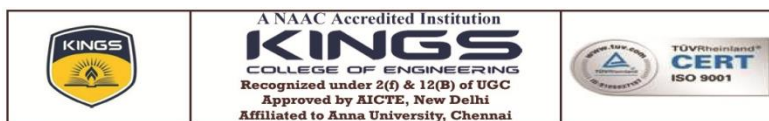


1.2.2. ADD-ON CERTIFICATION COURSE

FOSS CERTIFICATIONS IN ASSOCIATION WITH IIT, BOMBAY

SPOKEN TUTORIAL WORKSHOPS (5 YEARS)

CONTENT	PAGE NUMBER
Spoken Tutorial 2020-21	2
Spoken Tutorial 2019-20	5
Spoken Tutorial 2018-19	10
Spoken Tutorial 2017-18	12
Spoken Tutorial 2016-17	15



INTERNAL QUALITY ASSURANCE CELL

SPOKEN TUTORIAL WORKSHOP EXECUTION STATUS – STUDENTS

2020-21 (ODD)

Date	Title	Department	No. of participants
12.08.2020	LaTeX	CIVIL	33
12.08.2020	Inkscape	CIVIL	21
12.08.2020	QCAD	CIVIL	18
12.08.2020	Drupal	CSE	44
12.08.2020	Java	CSE	43
12.08.2020	Linux	CSE	48
12.08.2020	Inkscape	ECE	33
12.08.2020	Scilab	ECE	35
12.08.2020	Arduino	ECE	49
12.08.2020	LaTeX	EEE	15
12.08.2020	Inkscape	EEE	15
12.08.2020	LaTeX	MECHANICAL	68
12.08.2020	OpenFOAM	MECHANICAL	59
12.08.2020	QCAD	MECHANICAL	40
TOTAL			521

Total number of workshops :14

Total number of Students participated :521

2020-21 (EVEN)

Date	Title	Department	No. of participants
18.02.2021	Blender	CIVIL	33
18.02.2021	Blender	CIVIL	21
18.02.2021	GIMP	CIVIL	18
18.02.2021	LaTeX	CSE	44
18.02.2021	PHP and MySQL	CSE	48
18.02.2021	Blender	CSE	45
18.02.2021	eSim	ECE	49
18.02.2021	LaTeX	ECE	33
18.02.2021	GIMP	ECE	35
18.02.2021	eSim	EEE	8
18.02.2021	GIMP	EEE	34
18.02.2021	Blender	MECHANICAL	4
18.02.2021	Blender	MECHANICAL	60
18.02.2021	GIMP	MECHANICAL	40
TOTAL			472

Total number of workshops :14

Total number of Students participated :472

Semester Training Planner Summary (STPS)

[Dashboard](#)
[? Instructions](#)
STEP 1 : Upload students Master Batch Student List :

[MB Master Batch Student List](#)
STEP 2 : Complete the STPF :

[STPF – Semester Training Planner Form](#)
STEP 3 : Select Participant List :

[Select Participant List](#)

Kings College Of Engineering, Pudukkottai

July - December, 2021 (Current Semester)

Ongoing : 0 completed : 0

Training planner is empty

January - June, 2021

Total : 14

#	Semester Start Date	Software Course	Department	Participant List Status	Action
1	Feb. 18, 2021	Blender	Civil Engineering	33	Participant List Participation certificates available
2	Feb. 18, 2021	Blender	Civil Engineering	21	Participant List Certificate request awaiting at Training manager
3	Feb. 18, 2021	GIMP	Civil Engineering	18	Participant List Certificate request awaiting at Training manager
4	Feb. 18, 2021	LaTeX	Computer Science and Engineering	44	Participant List Certificate request awaiting at Training manager
5	Feb. 18, 2021	PHP and MySQL	Computer Science and Engineering	48	Participant List Certificate request awaiting at Training manager
6	Feb. 18, 2021	Blender	Computer Science Engineering (CSE)	45	Participant List Certificate request awaiting at Training manager
7	Feb. 18, 2021	eSim	Electronics and Communication Engineering	3	Participant List Certificate request awaiting at Training manager
8	Feb. 18, 2021	LaTeX	Electronics and Communication Engineering	33	Participant List Certificate request awaiting at Training manager
9	Feb. 18, 2021	GIMP	Electronics and Communication Engineering	35	Participant List Certificate request awaiting at Training manager
10	Feb. 18, 2021	eSim	Electrical and Electronics Engineering (EEE)	8	Participant List Certificate request awaiting at Training manager
11	Feb. 18, 2021	GIMP	Electrical and Electronics Engineering (EEE)	34	Participant List Certificate request awaiting at Training manager
12	Feb. 18, 2021	Blender	Mechanical Engineering	4	Participant List Certificate request awaiting at Training manager
13	Feb. 18, 2021	Blender	Mechanical Engineering	60	Participant List Certificate request awaiting at Training manager
14	Feb. 18, 2021	GIMP	Mechanical Engineering	40	Participant List Participation certificates available

Semester Training Planner Summary (STPS)

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[? Instructions](#)
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[Select Participant List](#)

Kings College Of Engineering, Pudukkottai

July - December, 2021 (Current Semester)

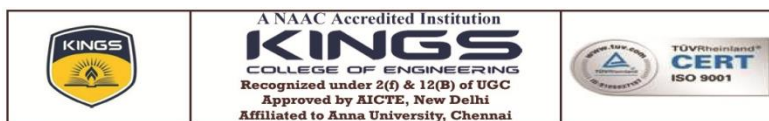
Ongoing : 0 completed : 0

Training planner is empty

July - December, 2020

Total : 14

#	Semester Start Date	Software Course	Department	Participant List Status	Action
1	Aug. 12, 2020	LaTeX	Civil Engineering	33	Participant List Certificate request awaiting at Training manager
2	Aug. 12, 2020	Inkscape	Civil Engineering	21	Participant List Certificate request awaiting at Training manager
3	Aug. 12, 2020	Drupal	Computer Science and Engineering	44	Participant List Certificate request awaiting at Training manager
4	Aug. 12, 2020	Java	Computer Science Engineering (CSE)	43	Participant List Certificate request awaiting at Training manager
5	Aug. 12, 2020	LaTeX	Electronics and Communication Engineering	(0 / 55)	
6	Aug. 12, 2020	Inkscape	Electronics and Communication Engineering	33	Participant List Certificate request awaiting at Training manager
7	Aug. 12, 2020	LaTeX	Electrical and Electronics Engineering (EEE)	15	Participant List Certificate request awaiting at Training manager
8	Aug. 12, 2020	Inkscape	Electrical and Electronics Engineering (EEE)	15	Participant List Certificate request awaiting at Training manager
9	Aug. 12, 2020	LaTeX	Mechanical Engineering	68	Participant List Certificate request awaiting at Training manager
10	Aug. 12, 2020	OpenFOAM	Mechanical Engineering	59	Participant List Certificate request awaiting at Training manager
11	Aug. 12, 2020	Linux	Computer Science and Engineering	48	Participant List Certificate request awaiting at Training manager
12	Aug. 12, 2020	Scilab	Electronics and Communication Engineering	35	Participant List Certificate request awaiting at Training manager
13	Aug. 12, 2020	Arduino	Electronics and Communication Engineering	49	Participant List Certificate request awaiting at Training manager
14	Aug. 12, 2020	QCAD	Mechanical Engineering	40	Participant List Certificate request awaiting at Training manager
15	Aug. 12, 2020	QCAD	Civil Engineering	18	Participant List Certificate request awaiting at Training manager



INTERNAL QUALITY ASSURANCE CELL

SPOKEN TUTORIAL WORKSHOP EXECUTION STATUS – STUDENTS

2019-20 (EVEN)

Date	Title	Department	No. of participants
02.01.2020	GIMP	CIVIL	29
02.01.2020	GIMP	CIVIL	20
02.01.2020	GIMP	CIVIL	37
02.01.2020	LaTeX	CSE	37
02.01.2020	PHP and MySQL	CSE	41
02.01.2020	Blender	CSE	41
02.01.2020	eSim	ECE	53
02.01.2020	eSim	ECE	46
02.01.2020	Arduino	ECE	33
02.01.2020	eSim	EEE	29
02.01.2020	eSim	EEE	5
02.01.2020	Blender	MECHANICAL	87
02.01.2020	Blender	MECHANICAL	64
02.01.2020	GIMP	MECHANICAL	55
TOTAL			577

Total number of workshops :14

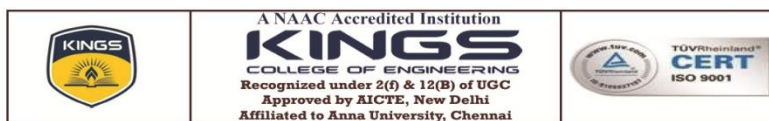
Total number of Students participated :577

2019-20 (ODD)

Date	Title	Department	No. of participants
01.07.2019	LaTeX	CIVIL	38
01.07.2019	Inkscape	CIVIL	33
01.07.2019	QCad	CIVIL	27
01.07.2019	Drupal	CSE	40
01.07.2019	Java	CSE	41
01.07.2019	Linux	CSE	41
01.07.2019	LaTeX	ECE	45
01.07.2019	LaTeX	ECE	42
01.07.2019	Scilab	ECE	38
01.07.2019	LaTeX	EEE	13
01.07.2019	Scilab	EEE	18
01.07.2019	LaTeX	MECHANICAL	87
01.07.2019	OpenFOAM	MECHANICAL	69
01.07.2019	Scilab	MECHANICAL	55
TOTAL			587

Total number of workshops :14

Total number of Students participated :587



INTERNAL QUALITY ASSURANCE CELL
SPOKEN TUTORIAL WORKSHOP EXECUTION STATUS – FDP

2019-20 (ODD)

Date	Title	Department	No. of participants
02.01.2020	LaTeX	CSE	12
02.01.2020	R	CSE	12
02.01.2020	LaTeX	MECH	15
02.01.2020	OpenFOAM	MECH	15
02.01.2020	LaTeX	CIVIL	11
02.01.2020	OpenFOAM	CIVIL	11
02.01.2020	LaTeX	EEE	11
02.01.2020	LaTeX	ECE	18
02.01.2020	eSim	ECE	18
02.01.2020	eSim	EEE	10
02.01.2020	LaTeX	S&H	13
02.01.2020	GeoGebra 5.04	MATHS	7
02.01.2020	ExpEYES	PHYSICS	2
			155

Total number of workshops :13
Total number of Staff's participated :155

Date	Title	Department	No. of participants
02.01.2018	QCAD	CIVIL	10
02.01.2018	Python	CSE	15
02.01.2018	Scilab	ECE	20
02.01.2018	Scilab	EEE	6
02.01.2018	QCAD	MECHANICAL	19
			70

Total number of workshops :13
Total number of Staff's participated :70

Semester Training Planner Summary (STPS)

[Dashboard](#)
[? Instructions](#)
STEP 1 : Upload students Master Batch Student List :

[MB Master Batch Student List](#)
STEP 2 : Complete the STPF :

[STPF – Semester Training Planner Form](#)
STEP 3 : Select Participant List :

[Select Participant List](#)

Kings College Of Engineering, Pudukkottai

January - June, 2020

Total : 27

#	Semester Start Date	Software Course	Department	Participant List Status	Action
1	Jan. 2, 2020	LaTeX	Computer Science and Engineering	37	Participant List Participation certificates available
2	Jan. 2, 2020	PHP and MySQL	Computer Science Engineering (CSE)	41	Participant List Participation certificates available
3	Jan. 2, 2020	Blender	Computer Science and Engineering	41	Participant List Participation certificates available
4	Jan. 2, 2020	eSim	Electronics and Communication Engineering	53	Participant List Participation certificates available
5	Jan. 2, 2020	eSim	Electronics and Communication Engineering	46	Participant List Certificate request awaiting at Training manager
6	Jan. 2, 2020	GIMP	Civil Engineering	29	Participant List Participation certificates available
7	Jan. 2, 2020	GIMP	Civil Engineering	20	Participant List Participation certificates available
8	Jan. 2, 2020	eSim	Electrical and Electronics Engineering (EEE)	29	Participant List Participation certificates available
9	Jan. 2, 2020	eSim	Electrical and Electronics Engineering (EEE)	5	Participant List Participation certificates available
10	Jan. 2, 2020	GIMP	Civil Engineering	37	Participant List Participation certificates available
11	Jan. 2, 2020	Arduino	Electronics and Communication Engineering	33	Participant List Participation certificates available
12	Jan. 2, 2020	Blender	Mechanical Engineering	87	Participant List Participation certificates available
13	Jan. 2, 2020	Blender	Mechanical Engineering	64	Participant List Participation certificates available
14	Jan. 2, 2020	GIMP	Mechanical Engineering	55	Participant List Participation certificates available
15	Jan. 2, 2020	LaTeX	Faculty Development Programs (FDPs) (PMMMNMTT)	12	Participant List Participation certificates available

16	Feb. 2, 2020	R	Faculty Development Programs (FDPs) (PMMMNM TT)	12	Participant List Certificate request awaiting at Training manager
17	Jan. 2, 2020	LaTeX	Faculty Development Programs (FDPs) (PMMMNM TT)	15	Participant List Certificate request awaiting at Training manager
18	Jan. 2, 2020	OpenFOAM	Faculty Development Programs (FDPs) (PMMMNM TT)	15	Participant List Certificate request awaiting at Training manager
19	Jan. 2, 2020	LaTeX	Faculty Development Programs (FDPs) (PMMMNM TT)	11	Participant List Certificate request awaiting at Training manager
20	Jan. 2, 2020	OpenFOAM	Faculty Development Programs (FDPs) (PMMMNM TT)	11	Participant List Certificate request awaiting at Training manager
21	Jan. 2, 2020	LaTeX	Faculty Development Programs (FDPs) (PMMMNM TT)	11	Participant List Certificate request awaiting at Training manager
22	Jan. 2, 2020	LaTeX	Faculty Development Programs (FDPs) (PMMMNM TT)	18	Participant List Participation certificates available
23	Jan. 2, 2020	eSim	Faculty Development Programs (FDPs) (PMMMNM TT)	18	Participant List Generate Participation Certificate
24	Jan. 2, 2020	eSim	Faculty Development Programs (FDPs) (PMMMNM TT)	10	Participant List Participation certificates available
25	Jan. 2, 2020	LaTeX	Faculty Development Programs (FDPs) (PMMMNM TT)	13	Participant List Participation certificates available
26	Jan. 2, 2020	GeoGebra 5.04	Faculty Development Programs (FDPs) (PMMMNM TT)	7	Participant List Participation certificates available
27	Jan. 2, 2020	ExpEYES	Faculty Development Programs (FDPs) (PMMMNM TT)	2	Participant List Participation certificates available

Semester Training Planner Summary (STPS)

[Dashboard](#)
[? Instructions](#)

- STEP 1** : Upload students Master Batch Student List : [MB Master Batch Student List](#)
- STEP 2** : Complete the STPF : [STPF – Semester Training Planner Form](#)
- STEP 3** : Select Participant List : [Select Participant List](#)

Kings College Of Engineering, Pudukkottai

July - December, 2019

Total : 14

#	Semester Start Date	Software Course	Department	Participant List Status	Action
1	July 1, 2019	LaTeX	Computer Science and Engineering	(0 / 60)	
2	July 1, 2019	Drupal	Computer Science and Engineering	40	Participant List Participation certificates available
3	July 1, 2019	Java	Computer Science and Engineering	41	Participant List Participation certificates available
4	July 1, 2019	LaTeX	Civil Engineering	38	Participant List Participation certificates available
5	July 1, 2019	LaTeX	Electronics and Communication Engineering	45	Participant List Participation certificates available
6	July 1, 2019	LaTeX	Electronics and Communication Engineering	42	Participant List Participation certificates available
7	July 1, 2019	Scilab	Electronics and Communication Engineering	38	Participant List Participation certificates available
8	July 1, 2019	Inkscape	Civil Engineering	33	Participant List Participation certificates available
9	July 1, 2019	Linux	Computer Science Engineering (CSE)	41	Participant List Participation certificates available
10	July 1, 2019	QCAD	Civil Engineering	27	Participant List Participation certificates available
11	July 1, 2019	LaTeX	Mechanical Engineering	87	Participant List Participation certificates available
12	July 1, 2019	OpenFOAM	Mechanical Engineering	69	Participant List Participation certificates available
13	July 1, 2019	LaTeX	Electrical and Electronics Engineering (EEE)	13	Participant List Participation certificates available
14	July 1, 2019	Scilab	Electrical and Electronics Engineering (EEE)	18	Participant List Participation certificates available
15	July 1, 2019	Scilab	Mechanical Engineering	55	Participant List Participation certificates available



INTERNAL QUALITY ASSURANCE CELL
SPOKEN TUTORIAL WORKSHOP EXECUTION STATUS – STUDENTS

2018-19 (EVEN)

Date	Title	Department	No. of participants
02.01.2019	LaTeX	CIVIL	105
02.01.2019	QCAD	CIVIL	33
02.01.2019	Inkscape	CIVIL	38
02.01.2019	LaTeX	CSE	56
02.01.2019	PHP and MySQL	CSE	40
02.01.2019	Python	CSE	38
02.01.2019	Linux	CSE	41
02.01.2019	LaTeX	ECE	92
02.01.2019	Scilab	ECE	55
02.01.2019	Linux	ECE	49
02.01.2019	Scilab	EEE	15
02.01.2019	LaTeX	EEE	48
02.01.2019	OpenFOAM	EEE	13
02.01.2019	LaTeX	MECHANICAL	116
TOTAL			739

Total number of workshops :14
Total number of Students participated :739

Semester Training Planner Summary (STPS)

[Dashboard](#)
[? Instructions](#)

STEP 1 : Upload students Master Batch Student List :

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STEP 2 : Complete the STPF :

[STPF – Semester Training Planner Form](#)

STEP 3 : Select Participant List :

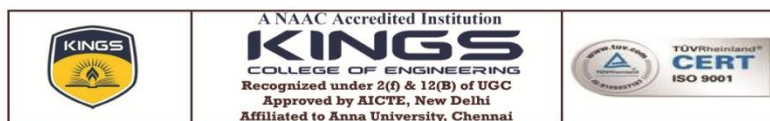
[Select Participant List](#)

Kings College Of Engineering, Pudukkottai

January - June, 2019

Total : 14

#	Semester Start Date	Software Course	Department	Participant List Status	Action
1	Jan. 2, 2019	LaTeX	Computer Science and Engineering	58	Participant List Participation certificates available
2	Jan. 2, 2019	PHP and MySQL	Computer Science and Engineering	40	Participant List Participation certificates available
3	Jan. 2, 2019	Python	Computer Science and Engineering	38	Participant List Participation certificates available
4	Jan. 2, 2019	Blender	Computer Science and Engineering	(0 / 43)	
5	Jan. 2, 2019	LaTeX	Civil Engineering	105	Participant List Participation certificates available
6	Jan. 2, 2019	LaTeX	Electronics and Communication Engineering	92	Participant List Participation certificates available
7	Jan. 2, 2019	Scilab	Electrical and Electronics Engineering (EEE)	15	Participant List Participation certificates available
8	Jan. 2, 2019	LaTeX	Mechanical Engineering	116	Participant List Participation certificates available
9	Jan. 2, 2019	Scilab	Electronics and Communication Engineering	55	Participant List Participation certificates available
10	Jan. 2, 2019	Linux	Electronics and Communication Engineering	49	Participant List Participation certificates available
11	Jan. 2, 2019	LaTeX	Electrical and Electronics Engineering (EEE)	48	Participant List Participation certificates available
12	Jan. 2, 2019	Linux	Computer Science and Engineering	41	Participant List Participation certificates available
13	Jan. 2, 2019	QCAD	Civil Engineering	33	Participant List Participation certificates available
14	Jan. 2, 2019	Inkscape	Civil Engineering	38	Participant List Participation certificates available
15	Jan. 2, 2019	OpenFOAM	Electrical and Electronics Engineering (EEE)	13	Participant List Participation certificates available



INTERNAL QUALITY ASSURANCE CELL
SPOKEN TUTORIAL WORKSHOP EXECUTION STATUS – STUDENTS

2017-18(ODD)

Date	Title	Department	No. of participants
03.07.2017	QCAD	CIVIL	115
26.07.2017	PHP and MySQL	CSE	34
26.07.2017	Python	CSE	57
26.07.2017	Advanced Cpp	CSE	40
26.07.2017	Scilab	ECE	43
26.07.2017	Scilab	EEE	25
26.07.2017	QCAD	MECHANICAL	105
TOTAL			419

Total number of workshops :07
Total number of Students participated :419

2017-18(EVEN)

Date	Title	Department	No. of participants
02.01.2018	LaTeX	CIVIL	93
02.01.2018	Inkscape	CIVIL	108
02.01.2018	LaTeX	CSE	34
02.01.2018	Netbeans	CSE	57
02.01.2018	Linux	CSE	40
02.01.2018	LaTeX	ECE	43
02.01.2018	Oscad	ECE	92
01.01.2018	LaTeX	EEE	27
02.01.2018	Oscad	EEE	27
02.01.2018	LaTeX	MECHANICAL	105
02.01.2018	Inkscape	MECHANICAL	120
02.01.2018	OpenFOAM	MECHANICAL	120
TOTAL			866

Total number of workshops :12
Total number of Students participated :866

Semester Training Planner Summary (STPS)

[Dashboard](#)
[? Instructions](#)

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Kings College Of Engineering, Pudukkottai

July - December, 2018
January - June, 2018

Total : 0
Total : 17

#	Semester Start Date	Software Course	Department	Participant List status	Action
1	Jan. 2, 2018	LaTeX	Civil Engineering	93	Participant List Participation certificates available
2	Jan. 2, 2018	LaTeX	Computer Science and Engineering	34	Participant List Participation certificates available
3	Jan. 1, 2018	LaTeX	Electrical and Electronics Engineering (EEE)	27	Participant List Participation certificates available
4	Jan. 2, 2018	LaTeX	Electronics and Communication Engineering	43	Participant List Participation certificates available
5	Jan. 2, 2018	LaTeX	Mechanical Engineering	105	Participant List Participation certificates available
6	Jan. 2, 2018	Netbeans	Computer Science and Engineering	57	Participant List Participation certificates available
7	Jan. 2, 2018	Linux	Computer Science and Engineering	40	Participant List Participation certificates available
8	Jan. 2, 2018	Oscad	Electronics and Communication Engineering	92	Participant List Participation certificates available
9	Jan. 2, 2018	Oscad	Electrical and Electronics Engineering (EEE)	27	Participant List Participation certificates available
10	Jan. 2, 2018	Inkscape	Civil Engineering	108	Participant List Participation certificates available
11	Jan. 2, 2018	Inkscape	Mechanical Engineering	120	Participant List Participation certificates available
12	Jan. 2, 2018	OpenFOAM	Mechanical Engineering	120	Participant List Participation certificates available
13	Jan. 2, 2018	QCAD	Faculty Development Programs (FDPs) (PMMMNMTT)	10	Participant List Participation certificates available
14	Jan. 2, 2018	Python	Faculty Development Programs (FDPs) (PMMMNMTT)	15	Participant List Participation certificates available
15	Jan. 2, 2018	Scilab	Faculty Development Programs (FDPs) (PMMMNMTT)	20	Participant List Participation certificates available
16	Jan. 2, 2018	Scilab	Faculty Development Programs (FDPs) (PMMMNMTT)	6	Participant List Participation certificates available
17	Jan. 2, 2018	QCAD	Faculty Development Programs (FDPs) (PMMMNMTT)	19	Participant List Participation certificates available

Semester Training Planner Summary (STPS)

[Dashboard](#)
[? Instructions](#)

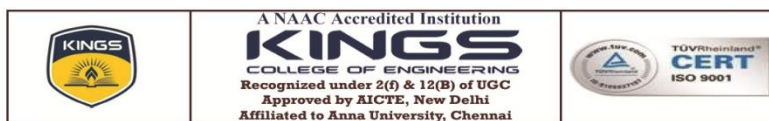
- STEP 1 :** Upload students Master Batch Student List :
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 [STPF – Semester Training Planner Form](#)
- STEP 3 :** Select Participant List :
 [Select Participant List](#)

Kings College Of Engineering, Pudukkottai

July - December, 2017

Total : 7

#	Semester Start Date	Software Course	Department	Participant List Status	Action
1	July 26, 2017	PHP and MySQL	Computer Science and Engineering	34	Participant List Participation certificates available
2	July 26, 2017	Python	Computer Science and Engineering	57	Participant List Participation certificates available
3	July 26, 2017	Scilab	Electrical and Electronics Engineering (EEE)	25	Participant List Participation certificates available
4	July 26, 2017	Scilab	Electronics and Communication Engineering	43	Participant List Participation certificates available
5	July 26, 2017	Advanced Cpp	Computer Science and Engineering	40	Participant List Participation certificates available
6	July 3, 2017	QCAD	Civil Engineering	115	Participant List Participation certificates available
7	July 26, 2017	QCAD	Mechanical Engineering	105	Participant List Participation certificates available



INTERNAL QUALITY ASSURANCE CELL

SPOKEN TUTORIAL WORKSHOP EXECUTION STATUS – STUDENTS

2016-17(ODD)

Date	Title	Department	No. of participants
22.07.2016	Netbeans	CSE	62
22.07.2016	Advanced Cpp	CSE	56
26.07.2016	Ruby	CSE	39
01.07.2016	Web Engineering - Netbeans	CSE	62
25.07.2016	Netbeans	IT	25
			244

Total number of workshops :07
 Total number of Students participated :244

2016-17 (EVEN)

Date	Title	Department	No. of participants
04.01.2017	Blender	CSE	62
04.01.2017	Python	CSE	34
04.01.2017	Linux	CSE	51
04.01.2017	LaTeX	ECE	71
04.01.2017	Scilab	ECE	71
04.01.2017	LaTeX	EEE	41
04.01.2017	LaTeX	MECHANICAL	113
04.01.2017	Blender	IT	25
			468

Total number of workshops :08
 Total number of Students participated :468

Semester Training Planner Summary (STPS)

[Dashboard](#)
[? Instructions](#)
STEP 1 : Upload students Master Batch Student List :

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STEP 2 : Complete the STPF :

[STPF – Semester Training Planner Form](#)
STEP 3 : Select Participant List :

[Select Participant List](#)

Kings College Of Engineering, Pudukkottai

July - December, 2017

Total : 7

#	Semester Start Date	Software Course	Department	Participant List Status	Action
1	July 26, 2017	PHP and MySQL	Computer Science and Engineering	34	Participant List Participation certificates available
2	July 26, 2017	Python	Computer Science and Engineering	57	Participant List Participation certificates available
3	July 26, 2017	Scilab	Electrical and Electronics Engineering (EEE)	25	Participant List Participation certificates available
4	July 26, 2017	Scilab	Electronics and Communication Engineering	43	Participant List Participation certificates available
5	July 26, 2017	Advanced Cpp	Computer Science and Engineering	40	Participant List Participation certificates available
6	July 3, 2017	QCad	Civil Engineering	115	Participant List Participation certificates available
7	July 26, 2017	QCad	Mechanical Engineering	105	Participant List Participation certificates available

January - June, 2017

Total : 8

#	Semester Start Date	Software Course	Department	Participant List Status	Action
1	Jan. 4, 2017	LaTeX	Electrical and Electronics Engineering (EEE)	41	Participant List Participation certificates available
2	Jan. 4, 2017	Blender	Computer Science and Engineering	62	Participant List Participation certificates available
3	Jan. 4, 2017	Python	Computer Science and Engineering	34	Participant List Participation certificates available
4	Jan. 4, 2017	Linux	Computer Science and Engineering	51	Participant List Participation certificates available
5	Jan. 4, 2017	LaTeX	Electronics and Communication Engineering	71	Participant List Participation certificates available
6	Jan. 4, 2017	Blender	Information Technology	25	Participant List Participation certificates available
7	Jan. 4, 2017	LaTeX	Mechanical Engineering	113	Participant List Participation certificates available
8	Jan. 4, 2017	Scilab	Electronics and Communication Engineering	71	Participant List Participation certificates available