



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
1.2.2 Add on Courses/NPTEL/SWAYAM / MCC Summary

| S.No | Name of Add on /Certificate programs offered | Course Code (if any) | Duration of course | Number of students enrolled in the year | Number of Students completing the course in the year |
|---|--|----------------------|--------------------|---|--|
| Academic Year 2020-21 (ODD & EVEN) | | | | | |
| 1. | Value Added Course on VB.NET - III YR | IVA005 | 45 hrs | 44 | 44 |
| 2. | Swayam/Python for Datascience | SWAYAM | 4 weeks | 46 | 17 |
| 3. | Swayam/Computer Graphics | SWAYAM | 8 Weeks | 17 | 9 |
| 4. | Swayam/Robotics | SWAYAM | 8 Weeks | 2 | 1 |
| 5. | Swayam/Programming in C++ | SWAYAM | 8 Weeks | 42 | 16 |
| 6. | Swayam/Programming in JAVA | SWAYAM | 12 Weeks | 3 | 2 |
| 7. | Swayam/Advanced c++ | SWAYAM | 4 weeks | 1 | 1 |
| 8. | Swayam/Cyber security- II yr, III yr,IV yr | SWAYAM | 8 weeks | 121 | 121 |
| 9. | Refresher course on "C Programming" - II yr | - | 30hrs | 49 | 49 |



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE

SUB CODE/NAME: IVA005/VB.NET

YEAR / SEMESTER: III / V

**PREPARED BY,
R.SUGANTHA LAKSHMI / CSE
G.CHANDRA PRABA / CSE**

ACADEMIC YEAR 2020 - 2021



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
VALUE ADDED COURSE - IVA005 - VB.NET SYLLABUS

| | |
|---|-------------------------------------|
| Sub.Code/Name : IVA005/VB.NET | Branch / Year / Sem : CSE / III / V |
| Academic Year : 2020-21 (ODD) | Batch : 2018-2022 |
| Staff Name : Mrs R.Sugantha Lakshmi & Mrs.G.Chandra Praba | |

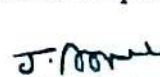
LT PC
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- UNIT I VISUAL BASIC .NET AND THE .NET FRAMEWORK 9**
 Introduction to .net framework -Features, Common Language Runtime (CLR) ,Framework Class Library(FCL).Visual Studio.Net - IDE, Languages Supported, Components. Visual Programming, VB.net - Features, IDE- Menu System, Toolbars, Code Designer, Solution Explorer, Object Browser, Toolbox, Class View Window, Properties Window, Server Explorer, Task List, Output Window, Command Window.
- UNIT II ELEMENTS OF VISUAL BASIC .NET 9**
 Properties, Events and Methods of Form, Label, TextBox, ListBox, Combo Box, RadioButton, Button, Check Box, Progress Bar, Date Time Picker, Calendar, Picture Box, HScrollbar, VScrollbar, Group Box, ToolTip,Timer.
- UNIT III PROGRAMMING IN VISUAL BASIC .NET 9**
 Data Types, Keywords, Declaring Variables and Constants, Operators, Understanding Scope and accessibility of variables, Conditional Statements- If- Then, If-Then-Else, Nested If, Select Case, Looping Statement- Do loop, For Loop, For Each-Next Loop, While Loop, Arrays- Static and Dynamic.
- UNIT IV FUNCTIONS, BUILT-IN DIALOG BOXES, MENUS AND TOOLBAR 9**
 Menus and toolbars- Menu Strip, Tool Strip, Status Strip, Built-In Dialog Boxes -Open File Dialogs, Save File Dialogs, Font Dialogs, Color Dialogs, Print Dialogs, InputBox, Msg Box, Interfacing With End user- Creating MDI Parent and Child, Functions and Procedures- Built-In Functions- Mathematical and String Functions, User Defined Functions and Procedures.
- UNIT V ADVANCED CONCEPTS IN VB.NET 9**
 Object Oriented Programming- Creating Classes , Objects, Fields, Properties, Methods, Events , Constructors and destructors, Exception Handling- Models, Statements, Data Access withADO.Net , Data Access with ServerExplorer, Data Adapter and DataSets, ADO.NET Objects and Basic SQL.

Note: Hands-on sessions with the objective of one application development.


 Staff In Charge


 HOD/CSE 20/8/20

 Total : 45 periods
 20/8/2020
 Principal

(Ms.R.Suganthalakshmi & Ms.G.Chandrapraba)


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2020-21/ ODD SEMESTER
Students Name List

Subject Code/Name : IVA005 / VB.NET
 Subject Credit : 2

Year/Sem : III / V
 Batch: 2018 - 2022

| S.NO | REGISTER NO | NAME | SIGNATURE |
|------|--------------|-----------------------|------------------------|
| 1. | 821118104001 | Abarna M | N. Abarna |
| 2. | 821118104002 | Abinaya N | N. Abinaya |
| 3. | 821118104003 | Abirami K | K. Abirami |
| 4. | 821118104004 | Abirami M | M. Abirami |
| 5. | 821118104005 | Abirami P | P. Abirami |
| 6. | 821118104006 | Aburvanayaki T | T. Aburvanayaki |
| 7. | 821118104007 | Aiswarya K | A. Aiswarya |
| 8. | 821118104008 | Archana A | A. Archana |
| 9. | 821118104009 | Arunkumar G | G. Arunkumar |
| 10. | 821118104010 | Babu M | M. Babu |
| 11. | 821118104011 | Deepika V | V. Deepika |
| 12. | 821118104012 | Dharshini T R | T. R. Dharshini |
| 13. | 821118104013 | Divyabharathi G | G. Divyabharathi |
| 14. | 821118104014 | Gayathri J | J. Gayathri |
| 15. | 821118104015 | Gayathri K | K. Gayathri |
| 16. | 821118104016 | Gunaseelan B | B. Gunaseelan |
| 17. | 821118104017 | Hariharan E | E. Hariharan |
| 18. | 821118104018 | Iswarya S | S. Iswarya |
| 19. | 821118104019 | Jemima Esther Grace M | M. Jemima Esther Grace |
| 20. | 821118104020 | Kamalapriya M | M. Kamalapriya |
| 21. | 821118104021 | Kaviyachelvan K | K. Kaviyachelvan |
| 22. | 821118104022 | Keerthana V | V. Keerthana |
| 23. | 821118104024 | Nandha kishore S | S. Nandha kishore |
| 24. | 821118104025 | Narsrin banu N | N. Narsrin banu |
| 25. | 821118104026 | Nathiya devi N | N. Nathiya devi |
| 26. | 821118104027 | Naveen sundhar V | V. Naveen sundhar |
| 27. | 821118104028 | Pathmanaban R | R. Pathmanaban |
| 28. | 821118104029 | Priya G | G. Priya |
| 29. | 821118104030 | Priyadarshini M | M. Priyadarshini |
| 30. | 821118104031 | Priyadarshini R | R. Priyadarshini |
| 31. | 821118104032 | Ramya J | J. Ramya |
| 32. | 821118104033 | Rathnakumar T | T. Rathnakumar |
| 33. | 821118104034 | Sarathkumar R | R. Sarathkumar |
| 34. | 821118104035 | Selvarani T | T. Selvarani |
| 35. | 821118104036 | Sivaranjani T | T. Sivaranjani |
| 36. | 821118104037 | Sneha K | K. Sneha |
| 37. | 821118104038 | Sneka S | S. Sneka |
| 38. | 821118104039 | Sowmiya K | K. Sowmiya |
| 39. | 821118104040 | Srinithi C | C. Srinithi |
| 40. | 821118104041 | Suruthi S | S. Suruthi |
| 41. | 821118104042 | Surya R | R. Surya |
| 42. | 821118104043 | Vaishnavi P | P. Vaishnavi |
| 43. | 821118104044 | Vithyatharan S | S. Vithyatharan |
| 44. | 821118104301 | Gopinathan.D | D. Gopinathan |
| 45. | 821118104701 | Sindu.P R. Sindhu | P. R. Sindhu |


STAFF INCHARGE


HOD



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2020 - 21 ODD SEMESTER

VALUE ADDED COURSE - REPORT

IVA005 - VB.NET

YEAR / SEM: III/V

TOTAL STRENGTH: 44

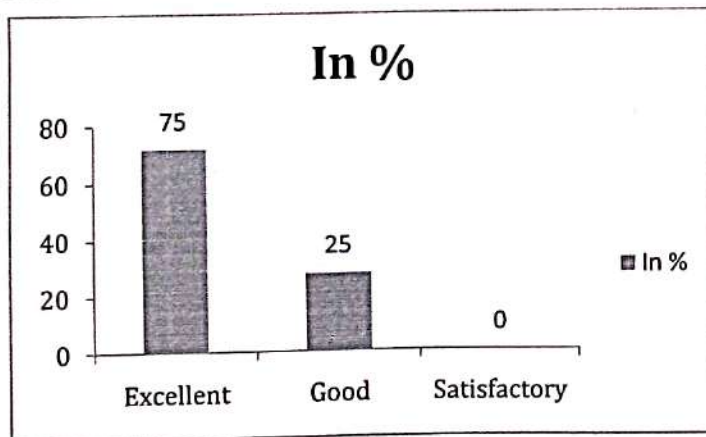
1. SYLLABUS COVERAGE

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|---------|
| 45 | 45 | 5 | - |

2. ASSESSMENT TEST PERFORMANCE

| TEST | NO OF UNITS | NO OF STUDENTS ATTENDED | NO OF STUDENTS PASSED | PASS % |
|-------|-------------|-------------------------|-----------------------|--------|
| AT-I | 2 Units | 44 | 44 | 100% |
| AT-II | 5 Units | 44 | 44 | 100% |

3. FEEDBACK :



4. OUTCOME

- Work on VB.NET IDE
- Develop simple applications
- Create applications using MDI
- Access datasets and databases

COURSE COORDINATOR

HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2020 - 21 ODD SEMESTER
SWAYAM/NPTEL COURSE SYLLABUS

COURSE NAME: Python for Data Science

Week 1: BASICS OF PYTHON SPYDER (TOOL)

- Introduction Spyder
- Setting working Directory
- Creating and saving a script file
- File execution, clearing console, removing variables from environment, clearing environment
- Commenting script files
- Variable creation
- Arithmetic and logical operators
- Data types and associated operations

Week 2: Sequence data types and associated operations

- Strings
- Lists
- Arrays
- Tuples
- Dictionary
- Sets
- Range

NumPy

- ndarray

Week 3: •Pandas dataframe and dataframe related operations on Toyota Corolla dataset

1. Reading files
2. Exploratory data analysis
3. Data preparation and preprocessing

•Data visualization on Toyoto Corolla dataset using matplotlib and seaborn libraries

1. Scatter plot
2. Line plot
3. Bar plot
4. Histogram
5. Box plot

6. Pair plot

•Control structures using Toyota Corolla dataset

1. if-else family
2. for loop
3. for loop with if break
4. while loop

•Functions

Week 4: CASE STUDY

•Regression

1. Predicting price of pre-owned cars

•Classification

1. Classifying personal income

PRE-REQUISITES : Knowledge of basic data science algorithms

Books and references

1. Introduction to linear algebra - by Gilbert Strang
2. Applied statistics and probability for engineers - by Douglas Montgomery
3. Mastering python for data science, Samir Madhavan

HOURS: 30 HOURS


STAFF INCHARGE


HOD/CSE



KINGS
COLLEGE OF ENGINEERING
(NAAC Accredited Institution)
(Approved by AICTE, New Delhi. Affiliated to
Anna University, Chennai)



TUV Rheinland
CERT
ISO 9001

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2020-2021/ODD SEMESTER

IV CSE Swayam Course Details

Name List

| S.No | Student Name | Course Title | Signature |
|------|-------------------|-------------------------|--------------------|
| 1. | K.Priyadharshini | Python for data science | K. Priyadharshini |
| 2. | C.Supritha | Python for data science | C. Supritha |
| 3. | N.Deepa | Python for data science | N. Deepa |
| 4. | E.Jeevitha | Python for data science | E. Jeevitha |
| 5. | B.Keerthana | Python for data science | Keerthana B |
| 6. | E.pooja | Python for data science | Pooja E |
| 7. | J.Lindacarolyn | Python for data science | J. Lindacarolyn |
| 8. | A.Abitha | Python for data science | A. Abitha |
| 9. | B.Preetha | Python for data science | B. Preetha |
| 10. | P.Udhaya | Python for data science | P. Udhaya |
| 11. | B.swetha | Python for data science | B. Swetha |
| 12. | A.NaancyPriya | Python for data science | A. NaancyPriya |
| 13. | A.Shalini | Python for data science | A. Shalini |
| 14. | R.Vasudevan | Python for data science | R. Vasudevan |
| 15. | K.Venkatesh Raghu | Python for data science | K. Venkatesh Raghu |
| 16. | E.Gayathiri | Python for data science | E. Gayathiri |
| 17. | S.Santhoshkumar | Python for data science | S. Santhoshkumar |
| 18. | R.Anbarasan | Python for data science | R. Anbarasan |
| 19. | A.Gokul raj | Python for data science | A. Gokul raj |
| 20. | M.Kannan | Python for data science | M. Kannan |
| 21. | S.Thendral | Python for data science | S. Thendral |
| 22. | A.Hafeeza | Python for data science | A. Hafeeza |
| 23. | P.Abinaya | Python for data science | P. Abinaya |
| 24. | A.Gangadevi | Python for data science | A. Gangadevi |
| 25. | B.Vignesh | Python for data science | B. Vignesh |
| 26. | R.Shiyamala | Python for data science | R. Shiyamala |
| 27. | S.Abimanyu | Python for data science | S. Abimanyu |
| 28. | K.Thulasi | Python for data science | K. Thulasi |
| 29. | A.Karthik | Python for data science | A. Karthik |
| 30. | V.Gopalakrishnan | Python for data science | V. Gopalakrishnan |
| 31. | B.Thariksalmán | Python for data science | B. Thariksalmán |
| 32. | S.Sarathapriya | Python for data science | S. Sarathapriya |
| 33. | B.Kabilan | Python for data science | B. Kabilan |

| | | | |
|-----|---------------|-------------------------|----------------------|
| 34. | L.Sasikumar | Python for data science | <i>[Signature]</i> |
| 35. | K.Praveen | Python for data science | <i>K. Praveen</i> |
| 36. | Dhinakaran | Python for data science | <i>Dhinakaran</i> |
| 37. | Karthick raja | Python for data science | <i>Karthick Raja</i> |
| 38. | Vasanth | Python for data science | <i>[Signature]</i> |
| 39. | Arun | Python for data science | <i>Arun</i> |

| S.No | Student Name | Course Title | Signature |
|------|--------------|-------------------|---------------------|
| 1. | F.Shinyroja | Robotics | <i>[Signature]</i> |
| 2. | V.Ponsharan | Computer graphics | <i>V. Ponsharan</i> |

* TC issued for Two students.

[Signature]
Class Co-ordinator 29/8/20

[Signature]
HOD/CSE 29/8/20

Course Name: Python for Data Science

CERTIFICATE

- The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres
- The exam is optional for a fee of Rs 1000/- (Rupees one thousand only)
- **Date and Time of Exams:** 29th March 2020, Morning session 9am to 12 noon, Afternoon Session 2pm to 5pm.
- Registration url. Announcements will be made when the registration form is open for registrations
- The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then
- Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

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 = 50% of the proctored certification exam score out of 100
- Final score = Average assignment score + Unproctored Exam Score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND UNPROCTORED EXAM SCORE $\geq 10/25$ AND EXAM SCORE $\geq 20/50$.

- If one of the 3 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$

Both Proctored and Unproctored exam is mandatory to get a certificate.

- Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Madras. It will be e-verifiable at npTEL.ac.in/noc.



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2020 - 21 ODD SEMESTER**

**SWYAM COURSE - REPORT
PYTHON FOR DATA SCIENCE**

YEAR / SEM: IV / VII

TOTAL STRENGTH: 39

• SYLLABUS COVERAGE:

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|---------|
| 4 WEEKS | 10HRS | 4 UNITS | - |

• ASSESSMENT TEST PERFORMANCE:

Weekly Assignment submitted in the swayam course portal.

• FEEDBACK DETAILS:

The expectations for taking the course by the student are:

| | |
|--|-------|
| Procedure of experiments explained clearly | 97% |
| Support provided during lab sessions for completing experiments. | 94.8% |
| Session stimulates expansion of knowledge / Skill. | 97% |
| Opportunity for questions and discussions. | 98.5% |
| Course usefulness for real time implementation | 97% |
| Total | 96.8% |

• CERTIFICATE STATUS: TO BE ISSUED

• OUTCOME:

- At the end of the course, the students will be able to
- Develop algorithmic solutions to simple computational problems
 - Read, write, execute by hand simple Panda programs.
 - Structure simple Tensor programs for solving problems.
 - Decompose a Python program into functions.
 - Represent compound data using Python lists, tuples, dictionaries.

(Signature)
**COURSE COORDINATOR
(Mr.S.RAJARAJAN)**

(Signature)
HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2020 – 21 ODD SEMESTER
SWAYAM/NPTEL COURSE SYLLABUS

COURSE NAME: Computer Graphics

- Week 1: Introduction – historical evolution, issues and challenges, graphics pipeline, hardware and software basics
- Week 2: Object representation – boundary representation, splines, space partitioning
- Week 3: Modeling transformations – matrix representation, homogeneous coordinate system, composition, 3D transformations
- Week 4: Illumination and shading – background, simple lighting model, shading models, intensity representation, color models, texture synthesis
- Week 5: 3D viewing – viewing pipeline, view coordinate system, viewing transformation, projection, window-viewport transformation
- Week 6: Clipping and hidden surface removal – clipping in 2D. 3D clipping algorithms, hidden surface removal
- Week 7: Rendering – scan conversion of line, circle, fill-area and characters, anti-aliasing
- Week 8: Graphics hardware and software – generic architecture, I/O, GPU, Shader programming, graphics software (OpenGL)

PREREQUISITES : Knowledge of data structures and algorithm is preferable.

Books and references

1. Samit Bhattacharya. (2015). Computer Graphics. Oxford University Press.
2. Hearn, D. & Baker, M. P. (2003). Computer Graphics with OpenGL, (3rd ed), Pearson.

HOURS: 30 HOURS


STAFF IN CHARGE


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2020-2021/ODD SEMESTER

III CSE Swayam Course Details

| Roll No | Name | Name of the Course Registered | Signature |
|---------|-----------------------|-------------------------------|------------------|
| 1. | Abarna M | Computer Graphics | Abarna M |
| 2. | Abirami K | Computer graphics | Abirami K |
| 3. | Abirami M | Computer Graphics | M. Abirami |
| 4. | Arunkumar G | Computer Graphics | Arunkumar G |
| 5. | Deepika V | Computer Graphics | Deepika V |
| 6. | Gayathri K | Computer Graphics | K. Gayathri |
| 7. | Jemima Esther Grace M | Computer Graphics | Jemima |
| 8. | Priyadharshini R | Computer Graphics | Priyadharshini R |
| 9. | Ramya J | Computer Graphics | Ramya J |
| 10. | Sarathkumar R | Computer Graphics | Sarathkumar R |
| 11. | Sivaranjani T | Computer Graphics | T. Sivaranjani |
| 12. | Sneka S | Computer Graphics | Sneka S |
| 13. | Sowmiya K | Computer Graphics | Sowmiya K |
| 14. | Srinithi C | Computer Graphics | Srinithi C |
| 15. | Suruthi S | Computer Graphics | Suruthi S |
| 16. | Vaishnavi P | Computer Graphics | Vaishnavi P |

| Roll No | Name | Name of the Course Registered | Signature |
|---------|-----------------|-------------------------------|-----------------|
| 1. | Abinaya N | Python for Data Science | Abinaya N |
| 2. | Abirami P | Python for Data Science | P. Abirami |
| 3. | Aburvanayaki T | Python for Data Science | Aburvanayaki T |
| 4. | Aiswarya K | Python for Data Science | Aiswarya K |
| 5. | Arunkumar G | Python for Data Science | Arunkumar G |
| 6. | Babu M | Python for Data Science | Babu M |
| 7. | Dharshini T R | Python for Data Science | T. R. Dharshini |
| 8. | Divyabharathi G | Python for Data Science | Divyabharathi G |

| | | | |
|-----|------------------|-------------------------|-------------------|
| 9. | Gayathri J | Python for Data Science | Gayathri J |
| 10. | Gunaseelan B | Python for Data Science | B. Gunaseelan |
| 11. | Iswarya S | Python for Data Science | Iswarya S |
| 12. | Kamalapriya M | Python for Data Science | M. Kamalapriya |
| 13. | Keerthana V | Python for Data Science | Keerthana V |
| 14. | Narsrin banu N | Python for Data Science | N. Narsrin |
| 15. | Nathiya devi N | Python for Data Science | Nathiya devi |
| 16. | Naveen sundhar V | Python for Data Science | V. Naveen Sundhar |
| 17. | Pathmanaban R | Python for Data Science | Pathmanaban R |
| 18. | Priyadarshini M | Python for Data Science | Priyadarshini M |
| 19. | Rathnakumar T | Python for Data Science | T. Rathnakumar |
| 20. | Selvarani T | Python for Data Science | Selvarani T |
| 21. | Sneha K | Python for Data Science | Sneha K |
| 22. | Surya R | Python for Data Science | Surya R |
| 23. | Vithyatharan S | Python for Data Science | S. Vithyatharan |
| 24. | Gopinathan.D | Python for Data Science | Gopinathan.D |
| 25. | Sindhu.R | Python for Data Science | S. Sindhu |

| Roll No | Name | Name of the Course Registered | Signature |
|---------|------------------|---|-------------------|
| 1. | Archana A | Robotics | A. Archana |
| 2. | Hariharan E | Practical Machine Learning with Tensorflow | E. Hariharan |
| 3. | Nandha kishore S | Artificial Intelligence in Great Learning Application | S. Nandha kishore |


29/9/20
Class Co-ordinator


29/9/20
HOD/CSE

Course Name: Computer Graphics



Course certificate

- The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.
- The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).
- **Date and Time of Exams: 19 December 2020**, Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.
- Registration url: Announcements will be made when the registration form is open for registrations.
- The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.
- Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE:

- Average assignment score = 25% of average of best 6 assignments out of the total 8 assignments given in the course.
- Exam score = 75% of the proctored certification exam score out of 100
- Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$.

- If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.
- Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Guwahati. It will be e-verifiable at nptel.ac.in/noc.

**Course Name:
Robotics**



Course certificate

- The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.
- The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).
- **Date and Time of Exams: 29th September 2019**, Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.
- Registration url: Announcements will be made when the registration form is open for registrations.
- The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.
- Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

- Average assignment score = 25% of average of best 6 assignments out of the total 8 assignments given in the course.
- Exam score = 75% of the proctored certification exam score out of 100
- Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$.

- If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.
- Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Kharagpur. It will be e-verifiable at nptel.ac.in/noc.

Course Name: Practical Machine Learning with Tensorflow



Course certificate

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.

The exam is optional for a fee of Rs 1000/- (Rupees one thousand only)

Date and Time of Exams: **20 December 2020** Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm

Registration url: Announcements will be made when the registration form is open for registrations.

The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.

Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

Average assignment score = 25% of average of best 6 assignments out of the total 8 assignments given in the course.

Exam score = 75% of the proctored certification exam score out of 100

Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$. If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.

Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Madras. It will be e-verifiable at nptel.ac.in/noc.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2020 - 21 ODD SEMESTER

SWAYAM COURSE - REPORT

YEAR / SEM: III / V

TOTAL STRENGTH: 44

• SYLLABUS COVERAGE:

| Course Name | NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|-------------------------|---------------------|----------------------|-----------------------|
| Computer Graphics | 8 Weeks | 16Hrs | 11 UNITS |
| Python for Data Science | 4 Weeks | 10 Hrs | 4 Units |

• ASSESSMENT TEST PERFORMANCE:

Weekly assessment submitted in the swayam course portal.

• FEEDBACK DETAILS:

The expectations for taking the course by the student are:

| | |
|--|-------|
| Procedure of experiments explained clearly | 97% |
| Support provided during lab sessions for completing experiments. | 94.8% |
| Session stimulates expansion of knowledge / Skill. | 97% |
| Opportunity for questions and discussions. | 98.5% |
| Course usefulness for real time implementation | 97% |
| Total | 96.8% |

• CERTIFICATE STATUS: TO BE ISSUED

• OUTCOME:

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

- Develop algorithmic solutions to simple computational problems
- Read, write, execute by hand simple Panda programs.
- Structure simple Tensor programs for solving problems.
- Decompose a Python program into functions.
- Gaming and entertainment industry program solving.


COURSE COORDINATOR
(Ms.R.Sugantha Lakshmi)


HOD/CSE



NPTEL Online Certification

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



This certificate is awarded to
R PRIYADHARSHINI
for successfully completing the course

Computer Graphics

with a consolidated score of **52** %

| | | | |
|--------------------|----------|----------------|-------|
| Online Assignments | 22.08/25 | Proctored Exam | 30/75 |
|--------------------|----------|----------------|-------|

Total number of candidates certified in this course: 246

Sep-Nov 2020
(8 week course)

Prof. Hemant B Kaushik
Head, Centre for Educational Technology
& NPTEL Coordinator
IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL20CS90562390053

To validate and check scores: <https://nptel.ac.in/noc>



NPTEL Online Certification

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



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

Computer Graphics

with a consolidated score of **57** %

| | | | |
|--------------------|----------|----------------|---------|
| Online Assignments | 22.08/25 | Proctored Exam | 34.5/75 |
|--------------------|----------|----------------|---------|

Total number of candidates certified in this course: 246

Sep-Nov 2020
(8 week course)

Prof. Hemant B Kaushik
Head, Centre for Educational Technology
& NPTEL Coordinator
IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL20CS90562390147

To validate and check scores: <https://nptel.ac.in/noc>



NPTEL Online Certification

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



This certificate is awarded to

GUNASEELAN B

for successfully completing the course

Python for Data Science

with a consolidated score of 56 %

| | | | | | |
|--------------------|---------|------------------|-------|----------------|-------|
| Online Assignments | 15.5/25 | Programming Exam | 20/25 | Proctored Exam | 20/50 |
|--------------------|---------|------------------|-------|----------------|-------|

Total number of candidates certified in this course: 2008

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Oct 2020
(4 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL20CS80542390014

To validate and check scores: <https://nptel.ac.in/noc>



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2020 - 21 ODD SEMESTER
SWAYAM/NPTEL COURSE SYLLABUS

COURSE NAME: Programming in C++

- WEEK 1: Programming in C++ is Fun : Build and execute a C program in C++, Write equivalent programs in C++
- WEEK 2: C++ as Better C: Procedural Extensions of C
- WEEK 3: Overview of OOP in C++: Classes and basic Object-Oriented features (encapsulation)
- WEEK 4: Overview of OOP in C++: More OO features, overloading, namespace and using struct and union
- WEEK 5: Inheritance: Generalization / Specialization of Object Modeling in C++
- WEEK 6: Polymorphism: Static and Dynamic Binding
- WEEK 7: Type Casting & Exceptions: C++ cast operators; C++ Exceptions & standard exception classes
- WEEK 8: Templates & STL – Function and Class templates and using STL like containers, algorithms

PREREQUISITES:

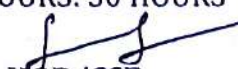
1. Basic Knowledge of Programming & Data Structure
2. C Programming
3. Attending a course on OOP / OOAD with this course will help

Books and references

1. The C++ Programming Language by Bjarne Stroustrup, 2013. Or, Programming: Principles and Practice Using C++ by Bjarne Stroustrup, 2014 – These books will be followed in the course
2. The C Programming Language (Ansi C Version) by Brian W. Kernighan and Dennis M. Ritchie, 1990. Or, The C Programming Language by Brian W. Kernighan and Dennis M. Ritchie, 2015
3. C++ reference (C++98 and C++03). <http://en.cppreference.com/w/>
4. Presentations used in the Course


STAFF IN CHARGE

HOURS: 30 HOURS


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2020 – 21 ODD SEMESTER
SWAYAM/NPTEL COURSE SYLLABUS

COURSE NAME: Data Structure and algorithms using Java

- Week 1: 1D array, list and vector, 2D matrices and tables of objects
Week 2: Java implementation of 1D and 2D arrays and its operations
Week 3: Linked lists and its various operations, stack and queue
Week 4: Java implementation of linked lists, stack and queue
Week 5: Binary trees: Representation and operations. Variations of binary tree:
Binary search tree, Height balanced search tree, Heap tree
Week 6: Java implementation of binary trees and its variations
Week 7: Graph: Structure, representation and operations
Week 8: Java implementations of graph data structures
Week 9: Algorithms (Part-I): Searching and sorting algorithms
Week 10: Java implementation of Part-I algorithms
Week 11: Algorithms (Part-II): Greedy algorithms, shortest path algorithms
Week 12: Java implementation of Part-II algorithms

PREREQUISITES : This course requires that the students are familiar with programming language such as C/C++/Java, data structures and algorithms.

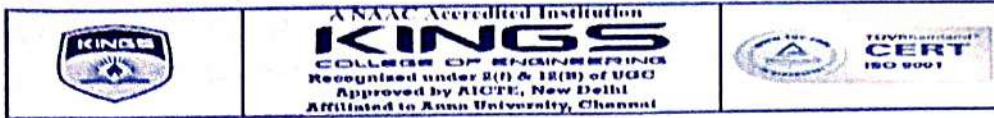
Books and references

1. Classic Data Structures (2nd Edition) Debasis Samanta, Prentice Hall India
2. Java: The Complete Reference Hebert Schildt, Mc Graw Hill
3. Object-Oriented Programming with C++ and Java Debasis Samanta, Prentice Hall India
4. Swayam-NPTEL online course entitles Programming in Java Debasis Samanta

HOURS: 30 HOURS


STAFF IN CHARGE


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2020 - 21 ODD SEMESTER
SWAYAM/NPTEL COURSE SYLLABUS

COURSE NAME: An Introduction to Programming Through C++

Week 1: Introduction to computers using graphics. Notions of program organization, control flow. Introduction to a repeat macro statement and its use for drawing interesting pictures. Basics of computer hardware and how numbers and other information are represented and processed on computers.

Week 2: Basic data types. Variables. Assignment statement. Introduction to program design using examples such as summing infinite series. Introduction to coordinate based graphics and elementary animation. The repeat macro is used for looping.

Week 3-4: Statements of C++ for conditional execution and looping. Applications such as computing mathematical functions, root finding.

Week 5: Functions. Parameter passing. Pointers and references. Recursion basics.

Week 6: Recursive algorithms and recursive drawings. Breaking larger programs into functions. Passing functions as arguments to other functions.

Week 7: Arrays. Basic array processing strategies including passing arrays to functions. Pointers. Applications illustrating use of arrays to store sets and sequences. Iterating over pairs of objects from an array. Selection sort.

Week 8: Use of arrays to represent textual data. Multidimensional arrays. Command line arguments. Binary search. Mergesort.

Week 9: Structures. Pointers with structures. Structure examples. Basics of classes: member functions, constructors, operator overloading and access control.

Week 10: Dynamic memory allocation. Basic mechanisms and pitfalls. Design of a "String" class that has automated memory management. Copy constructors and destructors. Introduction to the standard library.

Week 11-12: Use of the standard library in designing programs. Design of medium size programs. A miniature program for marks and ranks display. A program for gravitational simulation. A program for designing and solving resistive circuits with a graphical user interface.

PRE-REQUISITES: Standard XII in the Science stream

Books and references

Text Book: Abhiram G. Ranade. 2018. An Introduction to Programming through C++ (1st ed.). McGraw Hill Education (India) Private Limited.

HOURS: 30 HOURS


STAFF INCHARGE


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2020 - 21 ODD SEMESTER
SWAYAM/NPTEL COURSE SYLLABUS

COURSE NAME: Programming In Java

- Week 1 : Overview of Object-Oriented Programming and Java
- Week 2 : Java Programming Elements
- Week 3 : Input-Output Handling in Java
- Week 4 : Encapsulation
- Week 5 : Inheritance
- Week 6 : Exception Handling
- Week 7 : Multithreaded Programming
- Week 8 : Java Applets and Servlets
- Week 9 : Java Swing and Abstract Windowing Toolkit (AWT)
- Week 10 : Networking with Java
- Week 11: Java Object Database Connectivity (ODBC)
- Week 12: Interface and Packages for Software Development


PREREQUISITES: This course requires that the students are familiar with programming language such as C/C++ and data structures, algorithms.

Books and references

1. Java: The Complete Reference Hebert Schildt, Mc Graw Hill
2. Object-Oriented Programming with C++ and Java Debasis Samanta, Prentice Hall India.

HOURS: 30 HOURS


STAFF INCHARGE


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
 ACADEMIC YEAR 2020-21 / ODD SEMESTER
SWAYAM / NPTEL COURSE DETAILS

Name List

II YEAR / III SEM

| R. | Reg No. | Name of the | Course Name | Signature |
|----|--------------|--------------------|-----------------------|----------------|
| 1 | 821119104001 | Aarthi. R | Programming in C++ | Aarthi |
| 2 | 821119104002 | Aiyappan. S | Programming in JAVA | Aiyappan |
| 3 | 821119104003 | Ajay Prasanna. G S | Programming in C++ | Ajay P. S. |
| 4 | 821119104005 | Akash.K | Programming in C++ | Akash |
| 5 | 821119104006 | Akshayalakshmi. G | Programming in C++, | Akshayalakshmi |
| 6 | 821119104007 | Aravind. A | Programming in C++ | Aravind |
| 7 | 821119104008 | Avudaiappan. A B | Programming in C++ | Avudaiappan |
| 8 | 821119104009 | Bakiya Lakshmi .A | Programming in C++ | Bakiya |
| 9 | 821119104010 | Balakrishnan. M | Programming in C++ | Balakrishnan |
| 10 | 821119104011 | Bavya. S | Programming in C++ | Bavya S |
| 11 | 821119104012 | Bhavatharani.T | Programming in C++ | Bhavatharani |
| 12 | 821119104013 | Deepika. P | Programming in C++ | Deepika |
| 13 | 821119104014 | Devipriya. S | Programming in C++ | Devipriya |
| 14 | 821119104015 | Dharani. G | Programming in C++ | Dharani |
| 15 | 821119104016 | Divakaran. J | Programming in C++ | Divakaran |
| 16 | 821119104017 | Elayadharshini.T | Programming in C++ | Elayadharshini |
| 17 | 821119104018 | FasilaAfreen.J | Programming in C++ | Fasila Afreen |
| 18 | 821119104019 | Gokul.M | Data structure and | Gokul |
| 19 | 821119104020 | Gomathi.A | Programming in C++ | Gomathi |
| 20 | 821119104021 | Gopinath. P | Programming in C++ | Gopinath |
| 21 | 821119104022 | Govindharajan. K | Programming in C++ | Govindharajan |
| 22 | 821119104023 | Kamali. K | Programming in C++ | Kamali |
| 23 | 821119104024 | Kanishkar.K | Advanced c++ | Kanishkar |
| 24 | 821119104025 | Karkuzhali. N | Programming in C++ | Karkuzhali |
| 25 | 821119104026 | Karthika. R | Programming in C++ | Karthika |
| 26 | 821119104027 | Mohamed Yasir. A | Programming in C++ | Mohamed Yasir |
| 27 | 821119104028 | Muralidharan. N | Programming in C++ | Muralidharan |
| 28 | 821119104029 | Nandhini. J | An Introduction | Nandhini |
| 29 | 821119104031 | Pavitha.P | Programming in C++ | Pavitha |
| 30 | 821119104032 | Priyadharshini.E | Programming in C++ | Priyadharshini |
| 31 | 821119104033 | Ramakrishnan.E | Programming in C++ | Ramakrishnan |
| 32 | 821119104034 | Rethinapriya. T | Programming in C++ | Rethinapriya |
| 33 | 821119104035 | Sachin.R | Programming in C++ | Sachin |
| 34 | 821119104036 | Sara. C | Programming in C++ | Sara |
| 35 | 821119104037 | Sathish.T | Programming in C++ | Sathish |
| 36 | 821119104038 | Selvabharathi. S | Programming in C++ | Selvabharathi |
| 37 | 821119104039 | Shakthivel.M | Programming in C++ | Shakthivel |
| 38 | 821119104040 | Siva .G | Programming in C++ | Siva |
| 39 | 821119104041 | Sivaranjani. S | 1. Programming in C++ | Sivaranjani |

| | | | | |
|----|--------------|-------------------|--------------------|-------------------------|
| 40 | 821119104043 | Suguna. S | Programming in C++ | <i>Suguna S</i> |
| 42 | 821119104045 | Suruthi. S | Programming in C++ | <i>Suruthi S</i> |
| 44 | 821119104047 | Swetha. S | Programming in C++ | <i>Swetha S</i> |
| 45 | 821119104048 | Tharanika. K | Programming in C++ | <i>Tharanika</i> |
| 46 | 821119104049 | Varun. K | Programming in C++ | <i>Varun</i> |
| 47 | 821119104050 | Vengatramanan. S | Programming in C++ | <i>Vengatramanan S</i> |
| 48 | 821119104051 | Vignesh. K | Programming in C++ | <i>Vignesh K</i> |
| 49 | 821119104052 | Vikiramadhithan.M | Programming in C++ | <i>Vikira madhithan</i> |

[Handwritten Signature]

Class Co-ordinator

[Handwritten Signature]
HOD/CSE29/9/20

Course Name: Programming in C++



Course certificate

- The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centers.
- The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).
- Date and Time of Exams: **29th September 2019**, Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.
- Registration url: Announcements will be made when the registration form is open for registrations.
- The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.
- Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

- Average assignment score = 25% of average of best 6 assignments out of the total 8 assignments given in the course. (use as per duration of the course)
- Exam score = 75% of the proctored certification exam score out of 100
- Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$.

- If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.
- Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Kharagpur. It will be e-verifiable at nptel.ac.in/noc.

Course Name: Data Structure and algorithms using Java



Course certificate

- The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.
- The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).
- **Date and Time of Exams: 20 December 2020**, Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.
- Registration url: Announcements will be made when the registration form is open for registrations.
- The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.
- Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE:

- Average assignment score = 25% of average of best 8 assignments out of the total 12 assignments given in the course.
- Exam score = 75% of the proctored certification exam score out of 100
- Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$.

- If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.
- Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Kharagpur. It will be e-verifiable at nptel.ac.in/noc.

Course Name: An Introduction to Programming Through C++



Course certificate

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.

The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).

Date and Time of Exams: **25 April 2021** Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.

Registration url: Announcements will be made when the registration form is open for registrations.

The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.

Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

Quiz assignment score = average of best 8 quiz assignment scores out of the total 12 given in the course scaled to 25 marks.

Programming assignment score = average of best 8 programming assignment scores out of the total 12 given in the course scaled to 25 marks.

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF QUIZ ASSIGNMENT SCORE $\geq 10/25$ AND PROGRAMMING ASSIGNMENT SCORE $\geq 10/25$ AND PROCTORED EXAM SCORE $\geq 20/50$.

If any one of the 3 criteria is not met, you will not be eligible for the certificate even if the Final score $\geq 40/100$.

Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Bombay. It will be e-verifiable at nptel.ac.in/noc.

Course Name: Programming In Java



Course certificate

- The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.
- The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).
- **Date and Time of Exams: 16 November 2019**, Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.
- Registration url: Announcements will be made when the registration form is open for registrations.
- The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.
- Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

- Average assignment score = 25% of average of best 8 assignments out of the total 12 assignments given in the course.
- Exam score = 75% of the proctored certification exam score out of 100
- Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$.

- If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.
- Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Kharagpur. It will be e-verifiable at nptel.ac.in/noc.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2020 - 21 ODD SEMESTER
SWAYAM COURSE - REPORT

YEAR / SEM: II / III

TOTAL STRENGTH: 49

• **SYLLABUS COVERAGE:**

| Course Name | NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|---------------------|----------------------|-----------------------|
| Programming in C++ | 8 Weeks | 16 Hrs | 8 Units |
| Programming in Java | 12 Weeks | 24 Hrs | 12 Units |

• **ASSESSMENT TEST PERFORMANCE:**

Weekly assessment submitted in the swayam course portal.

• **FEEDBACK DETAILS:**

The expectations for taking the course by the student are:

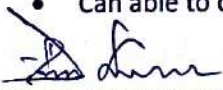
| | |
|--|-------|
| Procedure of experiments explained clearly | 97% |
| Support provided during lab sessions for completing experiments. | 94.8% |
| Session stimulates expansion of knowledge / Skill. | 87% |
| Opportunity for questions and discussions. | 98.5% |
| Course usefulness for real time implementation | 77% |
| Total | 86.8% |

• **CERTIFICATE STATUS: TO BE ISSUED**

• **OUTCOME:**

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

- knowledge of C programming and basic data structure
- Read, write, execute by hand simple C++ feature with several example programs.
- Structure various OOAD programs for solving problems.
- improve their skills to cope with the current demand of IT
- Can able to create Applet and Swing programs.


COURSE COORDINATOR
(Dr.D.Sivakumar)


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2020 - 21 EVEN SEMESTER

SYLLABUS

Introduction to Cyber Security

Week 1: Introduction to Cyber Space

History of Internet -Cyber Crime -Information Security -Computer Ethics and Security Policies - Quiz

Week 2: Choosing the Best Browser according to the requirement and email security

Guidelines to choose web browsers - Securing web browser -Antivirus -Email security -Quiz

Week 3: Guidelines for secure password and wi-fi security

Guidelines for setting up a Secure password - Two-steps authentication -Password Manager -Wi-Fi Security -Quiz

Week 4: Guidelines for social media and basic Windows security

Guidelines for social media security - Tips and best practices for safer Social Networking - Basic Security for Windows - User Account Password -Quiz

Week 5: Smartphone security guidelines

Introduction to mobile phones - Smartphone Security -Android Security -IOS Security - Quiz

Week 6: Cyber Security Initiatives in India

Counter Cyber Security Initiatives in India -Cyber Security Exercise - Cyber Security Incident Handling -Cyber Security Assurance -Quiz

Week 7: Online Banking, Credit Card and UPI Security

Online Banking Security -Mobile Banking Security -Security of Debit and Credit Card - UPI Security -Quiz

Week 8: Micro ATM, e-wallet and POS Security

Security of Micro ATMs - e-wallet Security Guidelines - Security Guidelines for Point of Sales(POS) -Quiz

Week 9: Social Engineering

Social Engineering - Types of Social Engineering - How Cyber Criminal Works - How to prevent for being a victim of Cyber Crime -Quiz

Week 10: Cyber Security Threat Landscape and Techniques

Cyber Security Threat Landscape - Emerging Cyber Security Threats - Cyber Security Techniques - Firewall - Quiz

Week 11: IT Security Act and Misc. Topics

IT Act -Hackers-Attacker-Countermeasures -Web Application Security -Digital Infrastructure Security -Defensive Programming - Quiz

Week 12: Information Destroying and Recovery Tools

Recovering from Information Loss -Destroying Sensitive Information -CCleaner for Windows -Quiz


STAFF INCHARGE


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2020 - 2021 (EVEN SEMESTER)

YEAR / SEM : IV / VIII

INTRODUCTION TO CYBER SECURITY NAME LIST

| R.NO | REG.NO | NAME | Signature |
|------|--------------|------------------|-------------------|
| 1. | 821117104001 | ABIMANYU S | S. Abimanyu |
| 2. | 821117104002 | ABINAYA P | P. Abinaya |
| 3. | 821117104003 | ABITHA A | A. Abitha |
| 4. | 821117104004 | ANBARASAN R | R. Anbarasan |
| 5. | 821117104006 | ARUN R | R. Arun |
| 6. | 821117104007 | DEEPA N | N. Deepa |
| 7. | 821117104008 | DHINAKARAN S | S. Dhinakaran |
| 8. | 821117104009 | GANGADEVI A | A. Gangadevi |
| 9. | 821117104010 | GAYATHRI E | E. Gayathri |
| 10. | 821117104012 | GOPALAKRISHNAN V | V. Gopalakrishnan |
| 11. | 821117104013 | HAFEEZA A | A. Hafeeza |
| 12. | 821117104014 | JEEVITHA E | E. Jeevitha |
| 13. | 821117104016 | KABILAN B | B. Kabilan |
| 14. | 821117104017 | KANNAN M | M. Kannan |
| 15. | 821117104018 | KARTHICKRAJA C | C. Karthickraja |
| 16. | 821117104019 | KARTHIK A | A. Karthika |
| 17. | 821117104021 | KEERTHANA B | B. Keerthana |
| 18. | 821117104022 | LINDACAROLYN J | J. Lindacaryn |
| 19. | 821117104026 | NANCY PRIYA A | A. Nancy Priya |
| 20. | 821117104028 | PONSHARAN V | V. Ponsharan |
| 21. | 821117104029 | POOJA E | E. Pooja |
| 22. | 821117104031 | PRAVEEN K | K. Praveen |
| 23. | 821117104032 | PREETHA B | B. Preetha |
| 24. | 821117104033 | PRIYADHARSHINI K | K. Priyadharsini |
| 25. | 821117104035 | SANTOSHKUMAR S | S. Santoshkumar |
| 26. | 821117104036 | SARADHAPRIYA S | S. Saradhapriya |
| 27. | 821117104038 | SASIKUMAR L | L. Sasikumar |
| 28. | 821117104039 | SHALINI A | A. Shalini |
| 29. | 821117104041 | SHINY ROJA F | F. Shinyroja |
| 30. | 821117104042 | SHIYAMALA R | R. Shiyamala |
| 31. | 821117104043 | SUPRITHA C | C. Supriya |
| 32. | 821117104044 | SWETHA B | B. Swetha |
| 33. | 821117104045 | THARIK SALMAN B | B. Tharik Salman |
| 34. | 821117104046 | THENDRAL S | S. Thendral |
| 35. | 821117104047 | THULASI K | K. Thulasi |
| 36. | 821117104048 | UDHAYA P | P. Udhaya |
| 37. | 821117104050 | VASANTH Y | Y. Vasanth |
| 38. | 821117104051 | VASUDEVAN R | R. Vasudevan |
| 39. | 821117104052 | VENKATESHRAGHU K | K. Venkateshraghu |
| 40. | 821117104053 | VIGNESH B | B. Vignesh |
| 41. | 821117104301 | VIMAL RAJ S | S. Vimalraj |
| 42. | 821117104501 | PRAGATHI J | J. Pragathi |
| 43. | 821117104701 | GOKUL RAJ A | A. Gokulraj |

CLASS INCHARGE

HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2020-21 / EVEN SEMESTER
SWAYAM COURSE NAME LIST
Year / Sem : III / VI

| S.NO | REGISTER NO | NAME | Title | Signature |
|------|--------------|-----------------------|---------------------------------------|------------------------|
| 1. | 821118104001 | Abarna M | Introduction to Cyber Security | M. Abarna |
| 2. | 821118104002 | Abinaya N | Introduction to Cyber Security | N. Abinaya |
| 3. | 821118104003 | Abirami K | Introduction to Cyber Security | K. Abirami |
| 4. | 821118104004 | Abirami M | Introduction to Cyber Security | A. Abirami |
| 5. | 821118104005 | Abirami P | Introduction to Cyber Security | A. Abirami |
| 6. | 821118104006 | Aburvanayaki T | Introduction to Cyber Security | T. Aburvanayaki |
| 7. | 821118104007 | Aiswarya K | Introduction to Cyber Security | K. Aiswarya |
| 8. | 821118104008 | Archana A | Introduction to Cyber Security | A. Archana |
| 9. | 821118104009 | Arunkumar G | Introduction to Cyber Security | G. Arunkumar |
| 10. | 821118104010 | Babu M | Introduction to Cyber Security | Babu M |
| 11. | 821118104011 | Deepika V | Introduction to Cyber Security | V. Deepika |
| 12. | 821118104012 | Dharshini T R | Introduction to Cyber Security | T.R. Dharshini |
| 13. | 821118104013 | Divyabharathi G | Introduction to Cyber Security | G. Divyabharathi |
| 14. | 821118104014 | Gayathri J | Introduction to Cyber Security | J. Gayathri |
| 15. | 821118104015 | Gayathri K | Introduction to Cyber Security | K. Gayathri |
| 16. | 821118104016 | Gunaseelan B | Introduction to Cyber Security | B. Gunaseelan |
| 17. | 821118104017 | Hariharan E | Introduction to Cyber Security | E. Hariharan |
| 18. | 821118104018 | Iswarya S | Introduction to Cyber Security | S. Iswarya |
| 19. | 821118104019 | Jemima Esther Grace M | Introduction to Cyber Security | M. Jemima Esther Grace |
| 20. | 821118104020 | Kamalapriya M | Introduction to Cyber Security | M. Kamalapriya |
| 21. | 821118104022 | Keerthana V | Introduction to Cyber Security | V. Keerthana |
| 22. | 821118104024 | Nandha kishore S | Complete After effects CC Masterclass | S. Nandha kishore |
| 23. | 821118104025 | Narsrin banu N | Introduction to Cyber Security | N. Narsrin banu |
| 24. | 821118104026 | Nathiya devi N | Introduction to Cyber Security | N. Nathiya devi |
| 25. | 821118104027 | Naveen sundhar V | Introduction to Cyber Security | V. Naveen sundhar |
| 26. | 821118104028 | Pathmanaban R | Introduction to Cyber Security | R. Pathmanaban |
| 27. | 821118104030 | Priyadarshini M | Introduction to Cyber Security | M. Priyadarshini |
| 28. | 821118104031 | Priyadarshini R | Introduction to Cyber Security | R. Priyadarshini |
| 29. | 821118104032 | Ramya J | Introduction to Cyber Security | J. Ramya |
| 30. | 821118104033 | Rathnakumar T | Introduction to Cyber Security | T. Rathnakumar |
| 31. | 821118104034 | Sarathkumar R | Introduction to Internet of Things | R. Sarathkumar |

| S.NO | REGISTER NO | NAME | Title | |
|------|--------------|----------------|------------------------------------|-----------------|
| 32. | 821118104035 | Selvarani T | Introduction to Internet of Things | Selvarani T |
| 33. | 821118104036 | Sivaranjani T | Introduction to Cyber Security | T.S |
| 34. | 821118104037 | Sneha K | Introduction to Cyber Security | K. Sneha |
| 35. | 821118104038 | Sneka S | Introduction to Cyber Security | S. Sneka |
| 36. | 821118104039 | Sowmiya K | Introduction to Cyber Security | K. Sowmya |
| 37. | 821118104040 | Srinithi C | Introduction to Cyber Security | Srinithi C |
| 38. | 821118104042 | Surya R | Introduction to Cyber Security | R.S - Surya |
| 39. | 821118104043 | Vaishnavi P | Introduction to Cyber Security | Vaishnavi P. |
| 40. | 821118104044 | Vithyatharan S | Introduction to Cyber Security | S. Vithyatharan |
| 41. | 821118104301 | Gopinathan.D | Introduction to Cyber Security | D. Gopinathan |
| 42. | 821118104701 | Sindu.P | Introduction to Cyber Security | P. Sindhu |


COORDINATOR


HOD/CSE

Department of Computer Science & Engineering
Academic Year 2020-21 / EVEN Semester
SWAYAM COURSE DETAILS LIST

II YEAR / IV SEM

| Sl.No | Reg.No | Student Name | Course Name | Duration | Signature |
|-------|--------------|--------------------|--------------------------------|----------|------------------|
| 1. | 821119104001 | AARTH.R | Introduction to Cyber Security | 12 weeks | R.Aarth |
| 2. | 821119104005 | AKASH.K | Introduction to Cyber Security | 12 weeks | Akash.K. |
| 3. | 821119104006 | AKSHAYALAKSHMI.G | Introduction to Cyber Security | 12 weeks | Akshaya Lakshmi |
| 4. | 821119104008 | AVUDAIAPPAN.A.B | Introduction to Cyber Security | 12 weeks | A.B. Avudaiappan |
| 5. | 821119104009 | BAKIYA LAKSHMI . A | Introduction to Cyber Security | 12 weeks | Bakiya Lakshmi |
| 6. | 821119104010 | BALAKRISHNAN.M | Introduction to Cyber Security | 12 weeks | M. Balakrishnan |
| 7. | 821119104011 | BAVYA . S | Introduction to Cyber Security | 12 weeks | Bavya . S |
| 8. | 821119104012 | BHAVATHARANI.T | Introduction to Cyber Security | 12 weeks | S. Bhavatharani |
| 9. | 821119104013 | DEEPIKA . P | Introduction to Cyber Security | 12 weeks | P. Deepika |
| 10. | 821119104014 | DEVIPRIYA.S | Introduction to Cyber Security | 12 weeks | S. Devipriya |
| 11. | 821119104015 | DHARANI. G | Introduction to Cyber Security | 12 weeks | Dharani . G. |
| 12. | 821119104016 | DIVAKARAN.J | Introduction to Cyber Security | 12 weeks | Divakaran . J |
| 13. | 821119104018 | FASILA AFREEN J | Introduction to Cyber Security | 12 weeks | J. Fasila Afreen |
| 14. | 821119104021 | GOPINATH.P | Introduction to Cyber Security | 12 weeks | Gopinath . P |
| 15. | 821119104024 | KANISHKAR.K | Introduction to Cyber Security | 12 weeks | Kanishkar . K |
| 16. | 821119104025 | karkuzhali.N | Introduction to Cyber Security | 12 weeks | Karkuzhali . N |
| 17. | 821119104026 | Karthika.R | Introduction to Cyber Security | 12 weeks | R. Karthika |
| 18. | 821119104029 | NANDHINI J | Introduction to Cyber Security | 12 weeks | J. Nandhini |
| 19. | 821119104031 | PAVITHA.P | Introduction to Cyber Security | 12 weeks | P. Pavitha |
| 20. | 821119104032 | PRIYADHARSHINLE | Introduction to Cyber Security | 12 weeks | Priyadharshini |
| 21. | 821119104033 | E.RAMAKRISHNAN | Introduction to Cyber Security | 12 weeks | E. Ramakrishnan |
| 22. | 821119104034 | RETHINAPRIYA.T | Introduction to Cyber Security | 12 weeks | T. Rethinapriya |
| 23. | 821119104035 | Sachin.R | Introduction to Cyber Security | 12 weeks | Sachin . R |

| | | | | | |
|----|--------------|-------------------|--------------------------------|----------|------------------|
| 24 | 821119104037 | SATHISH.T | Introduction to Cyber Security | 12 weeks | Sathish.T |
| 25 | 821119104038 | SELVABHARATHI S | Introduction to Cyber Security | 12 weeks | S. Selvabharathi |
| 26 | 821119104039 | Shakthivel.M | Introduction to Cyber Security | 12 weeks | M. Shakthivel |
| 27 | 821119104040 | SIVA .G | Introduction to Cyber Security | 12 weeks | Siva G |
| 28 | 821119104041 | S.SIVARANJANI | Introduction to Cyber Security | 12 weeks | S.S |
| 29 | 821119104043 | SUGUNA.S | Introduction to Cyber Security | 12 weeks | S. Suguna |
| 30 | 821119104044 | J.Sureshkarthik | Introduction to Cyber Security | 12 weeks | J. Sureshkarthik |
| 31 | 821119104045 | SURUTHI.S | Introduction to Cyber Security | 12 weeks | S. Suruthi S. |
| 32 | 821119104046 | SURYA.A | Introduction to Cyber Security | 12 weeks | A. Surya |
| 33 | 821119104048 | THARANIKA. K | Introduction to Cyber Security | 12 weeks | T. Tharika |
| 34 | 821119104050 | VENGATRAMANAN. S | Introduction to Cyber Security | 12 weeks | Vengatraman S |
| 35 | 821119104052 | VIKIRAMADHITHAN.M | Introduction to Cyber Security | 12 weeks | M. Vikram |
| 36 | 821119104053 | VISWA. A | Introduction to Cyber Security | 12 weeks | Viswa. A |

S. J.
17-00/CSE

Course Name: **INTRODUCTION TO CYBER SECURITY**



Commonwealth Educational Media Center for Asia, OERs and Govt. of Uttar Pradesh. He is currently working on an International Project funded by Commonwealth of Learning, Canada. He has recently been awarded by a 'Gold Medal' for Innovations in Open and Distance Learning during the 32nd Convocation of the Indira Gandhi National Open University (IGNOU) by the Hon'ble Vice President of India.

Dr. Pande has been reviewer for several archived journals at the International level. International Journal Of Software Engineering & Knowledge Engineering (World Scientific, Singapore), Journal of Information Technology & Decision Making (World Scientific, Singapore), International Journal of Computer Systems Science and Engineering (United Kingdom) are to name a few of them. He is a member of several academic and professional bodies in the area of computer science and distance education.

Course certificate

There shall be two components for evaluation: Internal assessment of 20 marks and proctored examination for 80 marks.



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2020 - 21 EVEN SEMESTER
SWAYAM COURSE - REPORT**

YEAR / SEM: IV/ VII

TOTAL STRENGTH: 121

• **SYLLABUS COVERAGE:**

| Course Name | NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|--------------------------------|---------------------|----------------------|-----------------------|
| Introduction to Cyber Security | 12 Weeks | 24 Hrs | 12 Units |

• **ASSESSMENT TEST PERFORMANCE:**

Weekly assessment submitted in the swayam course portal.

• **FEEDBACK DETAILS:**

The expectations for taking the course by the student are:


| | |
|--|-------|
| Procedure of experiments explained clearly | 90% |
| Support provided during lab sessions for completing experiments. | 92.8% |
| Session stimulates expansion of knowledge / Skill. | 91% |
| Opportunity for questions and discussions. | 93.5% |
| Course usefulness for real time implementation | 94% |
| Total | 91.8% |

• **CERTIFICATE STATUS: TO BE ISSUED**

• **OUTCOME:**

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

- Analyze and resolve security issues in networks
- computer systems to secure an IT infrastructure
- Design, develop, test and evaluate secure software


COURSE COORDINATOR
(Mr.M. Arun)


HOD/CSE



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2020 - 2021 EVEN SEMESTER
REFRESHER COURSE**

| | |
|---------------------------------|--|
| Sub. Code : RFC | Branch / Year / Sem : B.E CSE / II / IV |
| Sub.Name : C Programming | Batch : 2020-2024 |
| Staff Name : Mr.MArun | Academic Year : 2020-21 (Even) |

SYLLABUS

UNIT - I BASICS

6

Data types - Variables - Display the size and type of a variable - Operators - programs using operators - Conditional statements - Programs using switch and break - Looping Statements - Programs such as reversing a digit , Armstrong Number

UNIT - II ARRAYS & STRINGS

6

Definition - Types - Single Dimensional arrays - Find the Greatest number of a list - Merge the two list - Two Dimensional arrays - Find the transpose of a Matrix - String functions - Convert lowercase to Uppercase - Palindrome

UNIT - III FUNCTIONS

6

Definition - Built in functions - Math Library Functions - User Defined functions - Programs using User Defined Functions - Function prototype - Call by Value - Call by Reference - Sample Programs

UNIT - IV STRUCTURES AND UNIONS

6

Definition - Nested Structures - Structures and Arrays - Structures and Functions - Unions - Payroll Generation using Structure - Inventory Control using Structure

UNIT - V POINTERS

6

Definition - Pointers and Arrays - Pointers and functions - Pointers and Structures - Dynamic memory Allocation - Linked List implementation of List

TOTAL: 30 hrs

Mr. M. Arun
Staff Incharge
(Mr.M.Arun)

J. J. J.
HOD / CSE 24/8/21


J. Praveen
02/8/2021
Principal

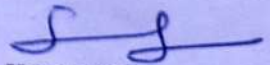
Department of Computer Science & Engineering
Academic Year 2020-21 / EVEN Semester
Refresher course on "C Programming"

Class / Sem : II / IV

| R.No | Reg No. | Name of the Students | Signature |
|------|--------------|----------------------|-------------------|
| 1 | 821119104001 | Aarthi. R | R. Aarthi |
| 2 | 821119104002 | Aiyappan. S | S. Aiyappan |
| 3 | 821119104003 | Ajay Prasanna. G S | Ajay Prasanna |
| 4 | 821119104005 | Akash .K | K. Akash |
| 5 | 821119104006 | Akshayalakshmi. G | G. Akshayalakshmi |
| 6 | 821119104007 | Aravind. A | Aravind |
| 7 | 821119104008 | Avudaiappan .A B | A.B. Avudaiappan |
| 8 | 821119104009 | Bakiya Lakshmi .A | Bakiya Lakshmi |
| 9 | 821119104010 | Balakrishnan. M | M. Balakrishnan |
| 10 | 821119104011 | Bavya. S | Bavya |
| 11 | 821119104012 | Bhavatharani .T | T. Bhavatharani |
| 12 | 821119104013 | Deepika. P | Deepika - P |
| 13 | 821119104014 | Devipriya. S | S. Devipriya |
| 14 | 821119104015 | Dharani. G | Dharani |
| 15 | 821119104016 | Divakaran. J | J. Divakaran |
| 16 | 821119104017 | Elayadharshini .T | T. Elayadharshini |
| 17 | 821119104018 | Fasila Afreen .J | J. Fasila Afreen |
| 18 | 821119104019 | Gokul .M | M. Gokul |
| 19 | 821119104020 | Gomathi .A | A. Gomathi |
| 20 | 821119104021 | Gopinath. P | P. Gopinath |
| 21 | 821119104022 | Govindharajan. K | K. Govindharajan |
| 22 | 821119104023 | Kamali. K | K. Kamali |
| 23 | 821119104024 | Kanishkar .K | K. Kanishkar |
| 24 | 821119104025 | Karkuzhali. N | N. Karkuzhali |
| 25 | 821119104026 | Karthika. R | R. Karthika |
| 26 | 821119104027 | Mohamed Yasir. A | A. Mohamed Yasir |

| | | | |
|----|--------------|--------------------|------------------|
| 27 | 821119104028 | Muralidharan. N | N. Muralidharan |
| 28 | 821119104029 | Nandhini. J | J. Nandhini |
| 29 | 821119104031 | Pavitha .P | P. Pavithra |
| 30 | 821119104032 | Priyadharshini .E | Priyadharshini |
| 31 | 821119104033 | Ramakrishnan .E | Riya |
| 32 | 821119104034 | Rethinapriya. T | T. Rethinapriya |
| 33 | 821119104035 | Sachin .R | R.S |
| 34 | 821119104037 | Sathish .T | Sathish |
| 35 | 821119104038 | Selvabharathi. S | Selvabharathi |
| 36 | 821119104039 | Shakthivel .M | Shakthivel.m |
| 37 | 821119104040 | Siva .G | Siva. |
| 38 | 821119104041 | Sivaranjani . S | Sivaranjani |
| 39 | 821119104043 | Suguna. S | Suguna. S |
| 40 | 821119104044 | Suresh Karthik .J | Suresh Karthick |
| 41 | 821119104045 | Suruthi. S | Suruthi. S |
| 42 | 821119104046 | Surya. A | A. Surya |
| 43 | 821119104047 | Swetha. S | Swetha. S |
| 44 | 821119104048 | Tharanika. K | Tharanika. K |
| 45 | 821119104049 | Varun. K | Varun |
| 46 | 821119104050 | Vengatramanan. S | Vengatramanan. S |
| 47 | 821119104051 | Vignesh. K | Vignesh. K |
| 48 | 821119104052 | Vikiramadhithan .M | Vikiramadhithan |
| 49 | 821119104053 | Viswa .A | Viswa. A |


 STAFF INCHARGE
 M. APUN.


 HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2020-21 EVEN SEMESTER
CDC - REPORT
REFRESHER COURSE ON "C PROGRAMMING"

YEAR / SEM: II / IV

TOTAL STRENGTH: 49

• **SYLLABUS COVERAGE:**

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 30 | 30 | 5 UNITS |

• **FEEDBACK DETAILS:**

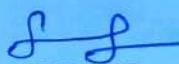
The expectations for taking the course by the student are:

| | |
|-----------------------------------|-----|
| Enhance the skill base | 30% |
| Get exposed to a relevant subject | 25% |
| Curiosity | 15% |
| Better Employment Opportunity | 30% |

OUTCOME:

- Ability to define and manage data structures based on problem subject domain.
- Able to solve simple problems using functions, arrays, string, structure and pointers.
- Understand the fundamentals of C programming in trivial problem solving.


COURSE COORDINATOR


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
1.2.2 Add on Courses/NPTEL/SWAYAM / MCC Summary

| S.No | Name of Add on /Certificate programs offered | Course Code (if any) | Duration of course | Number of students enrolled in the year | Number of Students completing the course in the year |
|---|--|----------------------|--------------------|---|--|
| Academic Year 2019-20 (ODD & EVEN) | | | | | |
| 1. | Skill Development Course on Scratch and App Inventor (II & III & IV Year) | - | 7 Days | 120 | 120 |
| 2. | Skill Development Course on Java & its advanced features (II & III & IV Year) | - | 7 Days | 120 | 120 |
| 3. | Skill Development Course on Machine Learning Techniques - WEKA Tool (II & III & IV Year) | - | 6Days | 120 | 120 |
| 4. | GATE / Competitive Exam - III Yr | - | 30hrs | 44 | 44 |
| 5. | NPTEL/Software Testing -IV Yr | NPTEL | 30hrs | 20 | 18 |
| 6. | Swayam-Python for Data science IV Yr | SWAYAM | 4 weeks | 20 | 20 |
| 7. | Refresher Course-Programming in Python - IV Yr | - | 30hrs | 38 | 38 |
| 8. | VAC -VB.NET- III Yr | - | 45hrs | 46 | 46 |



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



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

5.1.3 ONLINE SKILL COURSE



ACADEMIC YEAR 2019-20 EVEN SEMESTER

| S.NO | TITLE OF THE PROGRAM | DURATION | DATE |
|------|---|----------|---|
| 1. | Online Skill Course on "Scratch and AppInventor" | 7 Days | 6.7.2020 to 14.7.2020 |
| 2. | Online Skill Development Course on "Java & its Advanced features" | 7 Days | 15.7.20 to 24.7.20 |
| 3. | Online Skill Development Course on "Machine Learning using Weka Tool" | 6 Days | 29.7.2020 to 31.7.2020 & 4.8.2020 to 6.8.2020 |



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



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SYLLABUS

Sub. Code : SDC 01

Sub.Name : SCRATCH AND APPINVENTOR

Staff Name : Mrs R.Sugantha Lakshmi , G.Chandra Praba

Branch / Year: CSE / II,III,IV

Duration : 6/7/2020 - 14/7/2020

UNIT I SCRATCH INTRODUCTION AND FUNDAMENTALS

6

Introduction to Scratch- Basic Lingo-The Scratch User Interface and Editor-Scratch's Building Block Approach to Programming-Exploring the Blocks-Motion Blocks-Looks Blocks-Sound Blocks-Pens Block-Events Blocks-Control Blocks-Operators Blocks-Sensing Blocks-Data Blocks-Working with Sprites - Creating the first program.

UNIT II SPRITES AND THE STAGE

6

Working with Sprites- Costumes-The Paint Editor-The Stage and the Backdrops-Sprites Moving and Turning-Tracking a Sprite to the mouse.

UNIT III SIGHTS , SOUNDS ,EVENTS AND CONTROLS

6

The Looks Blocks-Interacting with the player -Getting sprites to "Talk" to Each other-Sounds and Sound Effects-Using the sound Library-Recording and Editing the own audio-Understanding events blocks, broadcasts and receiving - The Sensing Blocks- Variables and Operators - Creating the Family Scrapbook Application.

UNIT IV INTRODUCTION OF MIT APPINVENTOR

6

Introduction to App Inventor- Adding Component & Button Component- Programming Basics & Dialog- Blocks and events-Building the first app-Debugging with emulator and WIFI,Testing the app on mobile.

UNIT V VARIABLE ,EVENTS ,COMMUNICATION

6

Introduction- Calculating BMI- Assembling the blocks-Database Component-Bluetooth, Wifi, Pedometer Game Development

Total : 30 periods

Course Outcome


Upon the completion of the course, the students are able to

- Create a variety of Scratch projects that include sprites, sounds, math operations, variables, and logic.
- Create animations, interactive projects and games using the MIT AppInventor.

Assessment /Evaluation Details : 100(50+50) Marks - Miniproject (Software Based)

Prepared by  13/8/20

Ms. R.Sugantha Lakshmi
Ms.G.Chandra Praba

Verified By  13/8/20
HOD/CSE

J. Praveen
13/8/2020
Approved by
PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2019 - 2020 / EVEN SEMESTER

REPORT

| | | |
|-------------------|---|--|
| Name of the event | : | Online Skill Course on "Scratch and AppInventor" |
| Date & Session | : | 6/7/2020 - 14/7/2020(7 days) |
| Organizers & | : | Mrs.R.Suganthalakshmi, AP/ CSE & |
| Resource Persons | : | Mrs.G.Chandra Praba, AP/ CSE |
| Objective | : | To create an exposure to the students about the Scratch and AppInventor |

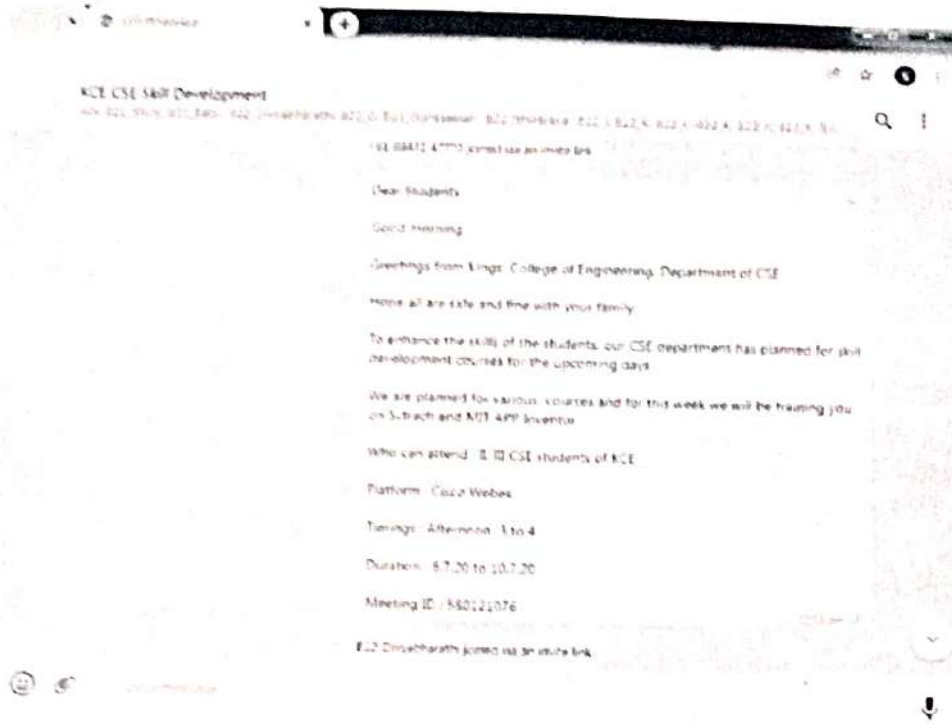
The Department of Computer Science and Engineering organized an Online Skill Course on "Scratch and AppInventor" from July 06th of 2020 to July 14th of 2020(7 days) with the objective of making the students get exposed to the currently trending tools for mobile games and App development in Online mode. A WhatsApp group named "KCE CSE Skill



Development" was created for sharing the course details. Around 120 students from our department attended the sessions and got exposed to the development environments. Mrs.R.Suganthalakshmi, AP/CSE elaborated the steps to develop the mobile games using MIT Scratch and Mrs.G.Chandra Praba illustrated the procedures to develop the mobile apps using MIT AppInventor. The students actively participated in the online skill course , developed various games and apps and improved their skills.



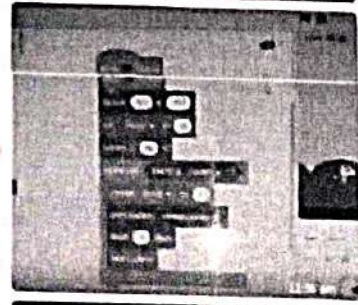
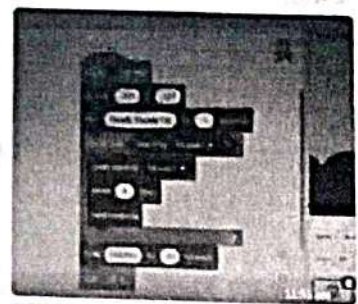
A SCREENSHOTS OF WHATSAPP GROUP - "KCE CSE SKILL DEVELOPMENT".



KCE CSE Skill Development

Good Morning students

I am posting the yesterday session game blocks for your reference



SCREENSHOT SAMPLES OF STUDENTS' WORK ON SCRATCH

Scratch

Home Scripts Media About Help

Back Breaker

17 likes

Created 20:00



Instructions

BACK BREAKER:
Move the pointer to the first button of the row to trigger down, you will end the game. If you touch all the buttons, you will win the game. Enjoy it!

8-24-12 2007 View Link

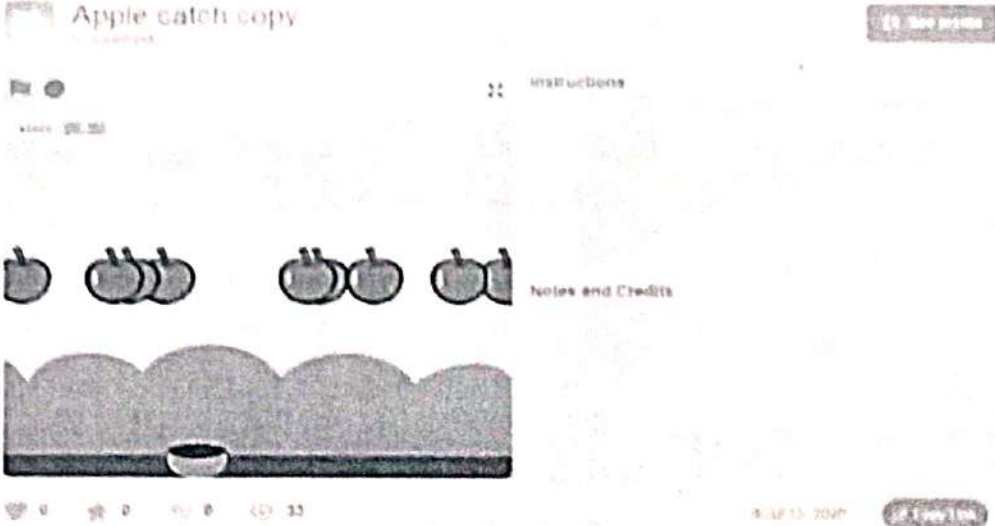
Scratch

Home Scripts Media About Help

Apple catch copy

17 likes

Created 20:30



Instructions

Notes and Credits

8-28-12 2007 View Link

SCREENSHOT SAMPLES OF STUDENTS' WORK ON APPINVENTOR



Outcome:

The students made use of this online skill course to know about the basics of mobile game and app development tools to develop innovative mobile games and useful apps, the knowledge of which can help them in their due course.

G. C. [Signature]
COORDINATOR(S)

[Signature]
HOD/CSE



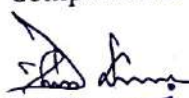
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SKILL DEVELOPMENT COURSE

| | |
|------------------------------------|---|
| Sub. Code : SDC | Branch / Year : B.E CSE / II / III / IV |
| Sub.Name : Java Programming | Staff Name : Dr.D.Sivakumar & Ms.S.Puvaneswari |

SYLLABUS

- UNIT - I BASICS** 6
- Basic Concepts of OOPs - Object - Class - Encapsulation - Inheritance - Polymorphism - Abstraction - Programs using OOPs Concepts - Operators - Expressions - Conditional Statements - Control Statements - Array concepts - Strings
- UNIT - II ABSTRACT CLASS AND INTERFACES** 6
- Definition - Comparison between abstract class and interfaces - Declaration of abstract class & methods - Multiple Inheritance by Interfaces - Programs using abstract and interfaces
- UNIT - III EXCEPTION HANDLING** 6
- Definition - Exception Hierarchy - Exception Vs Error - try -catch - finally - User Defined Exception - Throwing and Rethrowing Exception - program using throw and throws keyword
- UNIT - IV MULTITHREADING** 6
- Threads - Lifecycle - Thread states - Thread class and Runnable interfaces - Thread Synchronization - Multithreading - Methods
- UNIT - V SWING** 6
- Components - Methods in Components - Developing simple application using Swing Components.

TOTAL: 30 hrs


 Dr. Puvaneswari
 Staff Incharge
 (Dr.D.Sivakumar & Ms.S.Puvaneswari)


 HOD / CSE


 Principal



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2020 - 2021
SKILL DEVELOPMENT COURSE - SDC02 - JAVA PROGRAMMING
COURSE OUTCOME

Upon the completion of the course, the students are able to,

- Understand the basics of OOP
- Develop a project in Java
- Create an application using Swing

ASSESSMENT PROCEDURE

- Students are instructed to prepare an application using Java Swing / Machine Learning Algorithms
- Submit their applications through mail
- Marks awarded based on the application submission(100 Marks)

S. Pur
29/6/20
Staff Incharge

J. J.
HOD / CSE 29/6/20



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2019 - 2020 EVEN SEMESTER

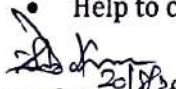
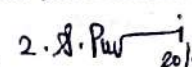
REPORT

| | |
|-------------------------|--|
| Title of the Event | : Online Skill Development Course on "Java Programming" |
| Date | : 15.7.20 to 24.7.20 (7 Days) |
| Resource Person | : Dr.D.Sivakumar & Ms.S.Puvaneswari |
| No of Students Attended | : 120 |
| Objective | : To enhance the programming skill of a student and make them to create GUI based application using Java. |

The department of CSE organized Online Skill Development course on "Java Programming" from 15.7.2020 to 24.07.2020. Due to Covid 19 situation, the course was conducted through online mode using Cisco Webex. Meeting Id and Feedback form were circulated through Whatsapp group. Ms.S.Puvaneswari, AP/CSE demonstrated the basic concepts of OOPs and various programming elements such as conditional and control statements, operators, input and output statements. She also motivated the students to do basic programs. Dr.D.Sivakumar AP /CSE described the concepts of threads and exception and also demonstrated the usage of threads and exception in real time scenario. The last two sessions were used to create GUI based application using Java Swing. The session was interactive and the students responded very well and clarified their doubts.

Outcome:

- Create interest towards programming
- Understand the lab programs in an effective manner
- Develop mini projects using Java
- Help to clear Java related interview questions

1.  20/8/20
2.  20/8/20
Coordinators

(Dr.D.Sivakumar & Ms.S.Puvaneswari)


HOD/CSE 20/8/20



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2020-2021
SKILL DEVELOPMENT COURSE

| | |
|---|--|
| Sub. Code : SDC03 | Branch / Year : B.E CSE / II / III / IV |
| Sub.Name : Machine Learning using WEKA | Staff Name : Dr.S.M.Uma |
| Duration : 29.7.20 to 31.7.20 & 4.8.20 to 6.8.20 | |

SYLLABUS

- UNIT - I Introduction** 6
- Definition of learning systems- Goals and applications of machine learning – Aspects of developing a learning system-training data- concept representation- function approximation
- UNIT - II Decision tree learning** 6
- Representing concepts as decision trees - Recursive induction of decision trees - Picking the best splitting attribute: entropy and information gain- Searching for simple trees and computational complexity - Overfitting - noisy data- pruning
- UNIT - III Bayesian Learning** 6
- Definition - Probability theory and Bayes rule - Naive Bayes learning algorithm - Parameter smoothing - Generative vs. discriminative training - Logistic regression
- UNIT - IV Clustering and Unsupervised Learning** 6
- Learning from unclassified data - Clustering - Hierarchical Agglomerative Clustering - k-means partitional clustering - Semi-supervised learning with EM using labeled and unlabeled data.
- UNIT - V Artificial Neural Networks** 6
- Neurons and biological motivation – Perceptrons: representational limitation and gradient descent training - Multilayer networks and backpropagation - learning network structure-recurrent networks
- TOTAL: 30 hrs**

[Signature]
 18/8/20
Staff Incharge
(Dr.S.M.UMA)

[Signature]
 18/8/20
HOD / CSE

[Signature]
 18/8/2020
Principal



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SKILL DEVELOPMENT COURSE
MACHINE LEARNING USING WEKA
ASSESSMENT PROCEDURE

Pick a Process - Use a systemic process to work through problems.
Applied Machine Learning Process

Pick a Tool -Select a tool for your level and map it onto your process.
Beginners: Weka Workbench.

Practice on Datasets - Select datasets to work on and practice the process.
Practice Machine Learning with Small In-Memory Datasets

COURSE OUTCOME

As part of this Machine Learning training and will become a successful Machine Learning Engineer:

1. Microsoft excel for data analysis and data transformation
2. Techniques of evaluation, experimentation, and project deployment
3. Analysis segmentation using clustering and the method of prediction


Staff Incharge


HOD / CSE



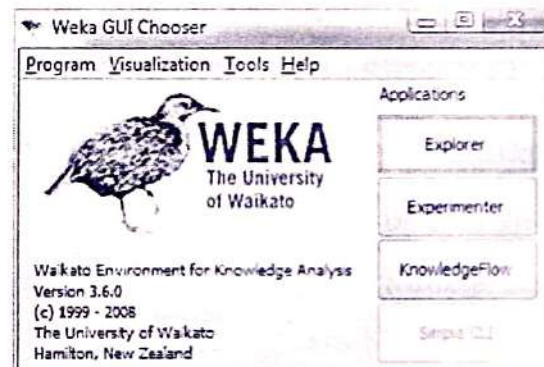
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2019 - 2020 EVEN SEMESTER

REPORT

| | | |
|-------------------------|---|--|
| Title of the Event | : | Online Skill Development Course on Machine Learning using Weka Tool |
| Date | : | 29.7.20 to 31.7.20 & 4.8.2020 to 6.8.2020 (6 Days) |
| Resource Person | : | Dr.S.M.Uma HOD/CSE |
| No of Students Attended | : | 120 |
| Objective | : | To explore the WEKA Tool on Data Mining and its various applications, main objective is to provide the usage of WEKA tool on various data mining algorithms. |

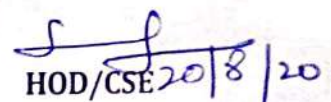
The department of CSE organized an Online Skill Development course on "Machine Learning using Weka Tool" from 29.7.20 to 31.7.20 & 4.8.2020 to 6.8.2020 (6 Days). The course was conducted through online mode using Cisco Webex. Dr.S.M.Uma , HOD/CSE gave an hands on session on the Weka tools students and gave a insight into how to work through analyzing varied datasets using different algorithms to do basic programs. This course concentrated on comparing and understanding the results of the algorithms. The resource person have given a basic level of algorithm understanding of some popular algorithms. In overall , the course effectively copes with the objective of getting the students work and analyzing data sets in Weka. The session was interactive and the students responded very well and clarified their doubts.



Outcome:

- Students get familiarized to the working environment
- Easy learning of Machine Learning Techniques
- Learn to mine their own data


Coordinator


HOD/CSE 20/8/20



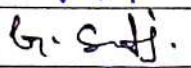
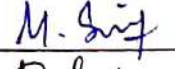


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING




ACADEMIC YEAR 2020 - 2021

PARTICIPANTS LIST

| S.NO | NAME | SIGNATURE | S.NO | NAME | SIGNATURE |
|------|--------------------------|------------------|------|------------------|-------------------|
| 1. | ABARNA M | M. Aruna | 22. | NANDHA KISHORE S | Nandha Kishore S |
| 2. | ABINAYA N | N. Abinaya | 23. | NARSIN BANU N | Narsin Banu N |
| 3. | ABIRAMI K | K. Arul | 24. | NATHIYA DEVI N | N. Nathiya |
| 4. | ABIRAMI M | M. Arul | 25. | NAVEEN SUNDHAR V | Naveen Sundhar V |
| 5. | ABIRAMI P | P. Arul | 26. | PATHMANABAN R | R. Pathmanaban |
| 6. | ABURVANAYAKI T | T. Arul | 27. | PRIYADHARSHINI M | M. Priyadharshini |
| 7. | AISWARYA K | K. Aiswarya | 28. | PRIYADHARSHINI R | R. Priyadharshini |
| 8. | ARCHANA A | A. Archana | 29. | RAMYA J | J. Ramya |
| 9. | ARUNKUMAR G | G. Arun | 30. | RATHNAKUMAR T | T. Rathnakumar |
| 10. | BABU M | M. Babu | 31. | SARATHKUMAR R | R. Sarathkumar |
| 11. | DEEPIKA V | V. Deepika | 32. | SELVARANI T | T. Selvarani |
| 12. | DHARSHINI T R | T. R. Dharsini | 33. | SIVARANJANI T | T. Sivaranjani |
| 13. | DIVYABHARATHI G | G. Divyabharathi | 34. | SNEHA K | S. Sneha |
| 14. | GAYATHRI J | J. Gayathri | 35. | SNEKA S | S. Sneka |
| 15. | GAYATHRI K | K. Gayathri | 36. | SOWMIYA K | K. Sowmiya |
| 16. | GUNASEELAN B | B. Gunaseelan | 37. | SRINITHI C | C. Srinithi |
| 17. | HARIHARAN E | E. Hariharan | 38. | SURYA R | R. Surya |
| 18. | ISWARYA S | S. Iswarya | 39. | VAISHNAVI P | P. Vaishnavi |
| 19. | JEMIMA ESTHER GRACE M | M. Jemima | 40. | VITHYATHARAN S | S. Vithyatharan |
| 20. | KAMALAPRIYA M | M. Kamalpriya | 41. | GOPINATHAN D | D. Gopinathan |
| 21. | KEERTHANA V | V. Keerthana | 42. | SINDU P SINDHU R | R. Sindhu |

| S.NO | NAME | SIGNATURE | S.NO | NAME | SIGNATURE |
|------|------------------|--------------------------|------|--------------------|---------------------------|
| 43. | ABIMANYU S | <i>A. Anyu</i> | 76. | THARIK SALMAN B | <i>S. Tharik</i> |
| 44. | ABINAYA P | <i>P. Abinaya</i> | 77. | THENDRAL S | <i>S. Thendral</i> |
| 45. | ABITHA A | <i>A. Abitha</i> | 78. | THULASI K | <i>Thulasa K.</i> |
| 46. | ANBARASAN R | <i>R. Anbarasan</i> | 79. | UDHAYA P | <i>P. Udhaya</i> |
| 47. | ARUN R | <i>R. Arun</i> | 80. | VASUDEVAN R | <i>R. Vasudevan</i> |
| 48. | DEEPA N | <i>N. Deepa</i> | 81. | VENKATESHRAGHU K | <i>K. Venkatesh</i> |
| 49. | DHINAKARAN S | <i>S. Dhinakaran</i> | 82. | VIGNESH B | <i>B. Vignesh</i> |
| 50. | GANGADEVI A | <i>A. Gangadevi</i> | 83. | VIMAL RAJ S | <i>S. Vimalraj</i> |
| 51. | GAYATHRI E | <i>E. Gayathri</i> | 84. | GOKUL RAJ A | <i>A. Gokulraj</i> |
| 52. | GOPALAKRISHNAN V | <i>V. Gopalakrishnan</i> | 85. | ABIRAMI. S | <i>S. Abirami</i> |
| 53. | HAFEEZA A | <i>A. Hafeeza</i> | 86. | ARAVINDH. S | <i>S. Aravindh</i> |
| 54. | JEEVITHA E | <i>E. Jeevitha</i> | 87. | BAGYA SRI. T | <i>T. Bagya Sri</i> |
| 55. | KABILAN B | <i>B. Kabilan</i> | 88. | BHARANI DHARAN. N | <i>N. Bharani</i> |
| 56. | KANNAN M | <i>M. Kannan</i> | 89. | BHARATHVAJ.N | <i>N. Bharathvaj</i> |
| 57. | KARTHICKRAJA C | <i>C. Karthickraj</i> | 90. | EDWIN RAJ.K | <i>K. Edwinraj</i> |
| 58. | KARTHIK A | <i>A. Karthik</i> | 91. | GAYATHIRI. R.R. | <i>R.R. Gayathiri</i> |
| 59. | KEERTHANA B | <i>B. Keertana</i> | 92. | GIRIJA. S | <i>S. Girija</i> |
| 60. | LINDACAROLYN J | <i>J. Linda Carolyn</i> | 93. | HARITHA.M | <i>M. Haritha</i> |
| 61. | NANCY PRIYA A | <i>A. Nancy Priya</i> | 94. | KARTHIKA.K | <i>K. Kartika</i> |
| 62. | PONSHARAN V | <i>V. Ponsharan</i> | 95. | MAKESH.K | <i>K. Makesh</i> |
| 63. | POOJA E | <i>E. Pooja</i> | 96. | MOHAMMED ABRAR.A | <i>A. Mohammed Abrar</i> |
| 64. | PRAVEEN K | <i>K. Praveen</i> | 97. | NANDHINI. S | <i>S. Nandhini</i> |
| 65. | PREETHA B | <i>B. Preetha</i> | 98. | NATHIYA. K | <i>K. Nathiya</i> |
| 66. | PRIYADHARSHINI K | <i>K. Priyadharshini</i> | 99. | NITHISH KUMAR. P | <i>P. Nithish Kumar</i> |
| 67. | SANTOSHKUMAR S | <i>S. Santosh Kumar</i> | 100. | NITHIYA. R | <i>R. Nithiya</i> |
| 68. | SARADHAPRIYA S | <i>S. Saradhapriya</i> | 101. | NIVASH. C | <i>C. Nivash</i> |
| 69. | SASIKUMAR L | <i>L. Sasikumar</i> | 102. | PAVITHRA.R | <i>R. Pavithra</i> |
| 70. | SHALINI A | <i>A. Shalini</i> | 103. | PRIYA. K | <i>K. Priya</i> |
| 71. | SHALINI P | <i>P. Shalini</i> | 104. | PRIYADHARSHINI.S | <i>S. Priyadharshini</i> |
| 72. | SHINY ROJA F | <i>F. Shiny Roja</i> | 105. | PRIYANKA. M | <i>M. Priyanka</i> |
| 73. | SHIYAMALA R | <i>R. Shiyamala</i> | 106. | RAKSHNAH BEGUM. MS | <i>MS. Rakshnah Begum</i> |
| 74. | SUPRITHA C | <i>C. Supritha</i> | 107. | SAMBATH KUMAR.M | <i>M. Sambath Kumar</i> |
| 75. | SWETHA B | <i>B. Swetha</i> | 108. | SAMEENA FARIJIZ. M | <i>M. Sameena Farjiz</i> |

| S.NO | NAME | SIGNATURE | S.NO | NAME | SIGNATURE |
|------|------------------|---|------|--------------------------|---|
| 109. | SARANYA.V |  | | VENKATESHWARAN. M |  |
| 110. | SELVARANI. G |  | | VENKATESWARAN. G |  |
| 111. | SUBHIKSHA. M |  | | VIDHYADAR.R |  |
| 112. | SURIYAPRAKASH. M |  | | VIGNESH.S |  |
| 113. | SURIYAPRIYA.P |  | | VINODHINI JOYCE. S |  |
| 114. | THILAGAVATHI. S |  | | ANANTHAPATHMA PRIYA.A |  |

3. 
2. 
1. 
CO-ORDINATORS


HOD/CSE 18/2/21



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Branch / Year / Sem : B.E CSE / III /VI
Staff Name : Mrs.R.Ranitha

Sub.Name :GATE
Academic Year: 2019-2020(Even)

GATE SYLLABUS

- | | |
|---|----------|
| 1. DIGITAL LOGIC | 6 |
| Boolean algebra, combinational and sequential circuits, number representation | |
| 2. COMPUTER NETWORKS | 6 |
| Basics – Protocols-Network Security-Authentication - Firewalls | |
| 3. PROGRAMMING AND DATA STRUCTURES | 6 |
| Array – stack – queue - tree | |
| 4. COMPUTER ORGANIZATION AND ARCHITECTURE | 6 |
| Machine instructions and addressing modes - Memory hierarchy: cache, main memory and Secondary storage | |
| 5. OPERATING SYSTEMS | 5 |
| Processes, threads, inter-process communication, concurrency and synchronization. | |
| 6. MOCKTEST_I | 1 |

Total: 30 Periods

R. Ranitha
10/12/2019
GATE in charge

J. Ranitha
10/12/2019
HOD/CSE

J. Ranitha
10/12/2019
PRINCIPAL



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2019-2020 (EVEN SEMESTER)**

DATE: 10.12.19

All the students are requested to compulsory attend non-gate classes according to the following schedule.

CLASS/ SEM: III/VI

| S.NO | TYPE OF CLASS | DATE | TOPICS TO BE COVERED | NO. OF HOURS REQUIRED | CUMMULATIVE HOURS |
|------|---------------|----------------------|----------------------|-----------------------|-------------------|
| 1 | NON-GATE | 19.12.19 26.12.19 | Aptitude | 1 | 1 |
| 2 | | 02.01.20 04.01.20 | Reasoning | 1 | 2 |
| 3 | | 09.01.20 11.01.20 | Computer awareness | 1 | 3 |
| 4 | | 23.01.20 25.01.20 | General awareness | 1 | 4 |
| 5 | | 30.01.20 01.02.20 | Aptitude | 1 | 5 |
| 6 | | 06.02.20 08.02.20 | Reasoning | 1 | 6 |
| 7 | | 13.02.20 15.02.20 | Computer awareness | 1 | 7 |
| 8 | | 20.02.20 22.02.20 | General awareness | 1 | 8 |
| 9 | | 27.02.20 29.02.20 | Aptitude | 1 | 9 |
| 10 | | 05.03.20 07.03.20 | Reasoning | 1 | 10 |
| 11 | | 11.03.19 | Computer awareness | 1 | 11 |
| 12 | | 14.03.20 | General awareness | 2 | 13 |
| 13 | | 19.03.20 | Mock test | 1 | 14 |
| 14 | | 21.03.20 | Mock test | 1 | 15 |


NON-GATE COORDINATOR


HOD/CSE


10/12/2019
PRINCIPAL



KINGS
COLLEGE OF ENGINEERING
(NAAC Accredited Institution)
(Approved by AICTE, New Delhi, Affiliated to
Anna University, Chennai)



TUV Rheinland
CERT
ISO 9001

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2019 - 2020 (EVEN SEMESTER) Batch:2016-2020
YEAR / SEM : III / VI GATE ATTENDED NAME LIST

| R.NO | REG.NO | NAME | SIGNATURE |
|------|--------------|------------------|--------------------|
| 1. | 821117104001 | ABIMANYU S | Abimanyu S. |
| 2. | 821117104003 | ABITHA A | A. Abitha |
| 3. | 821117104004 | ANBARASAN R | R. Anbarasan |
| 4. | 821117104007 | DEEPA N | N. Deepa |
| 5. | 821117104008 | DHINAKARAN S | S. Dhinakaran |
| 6. | 821117104014 | JEEVITHA E | E. Jeevitha |
| 7. | 821117104017 | KANNAN M | M. Kannan |
| 8. | 821117104018 | KARTHICKRAJA C | C. Karthickraja |
| 9. | 821117104021 | KEERTHANA B | B. Keerthana |
| 10. | 821117104022 | LINDACAROLYN J | J. Lindacaryn |
| 11. | 821117104026 | NANCY PRIYA A | A. Nancy Priya |
| 12. | 821117104029 | POOJA E | E. Pooja |
| 13. | 821117104032 | PREETHA B | B. Preetha |
| 14. | 821117104033 | PRIYADHARSHINI K | K. Priyadharsini |
| 15. | 821117104035 | SANTOSHKUMAR S | S. Santosh Kumar |
| 16. | 821117104039 | SHALINI A | A. Shalini |
| 17. | 821117104042 | SHIYAMALA R | R. Shiyamala |
| 18. | 821117104043 | SUPRITHA C | C. Supriya |
| 19. | 821117104045 | THARIK SALMAN B | B. Tharik Salman |
| 20. | 821117104046 | THENDRAL S | S. Thendral |
| 21. | 821117104048 | UDHAYA P | P. Udhaya |
| 22. | 821117104051 | VASUDEVAN R | R. Vasudevan |
| 23. | 821117104052 | VENKATESHRAGHU K | K. Venkatesh Raghu |
| 24. | 821117104053 | VIGNESH B | B. Vignesh |
| 25. | 821117104301 | VIMAL RAJ S | S. Vimal Raj |
| 26. | 821117104501 | PRAGATHI J | J. Pragathi |
| 27. | 821117104701 | GOKUL RAJ A | A. Gokul Raj |

R. Rao
GATE INCHARGE



KINGS
COLLEGE OF ENGINEERING
(NAAC Accredited Institution)
(Approved by AICTE, New Delhi, Affiliated to
Anna University, Chennai)



GOVERNMENT
CERT
ISO 9001

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2019 - 2020 (EVEN SEMESTER) Batch:2016-2020

YEAR / SEM : III / VI

NON GATE NAME LIST

| R.NO | REG.NO | NAME | SIGNATURE |
|------|--------------|------------------|-------------------|
| 1. | 821117104006 | ARUN R | R. Arun |
| 2. | 821117104002 | ABINAYA.P | P. Abinaya |
| 3. | 821117104016 | KABILAN B | Kabilan B |
| 4. | 821117104050 | VASANTH Y | Y. Vasanth |
| 5. | 821117104028 | PONSHARAN V | V. Ponsharan |
| 6. | 821117104019 | KARTHIK A | A. Karthik |
| 7. | 821117104012 | GOPALAKRISHNAN V | V. Gopalakrishnan |
| 8. | 821117104031 | PRAVEEN K | K. Praveen |
| 9. | 821117104038 | SASIKUMAR L | L. Sasikum |
| 10. | 821117104034 | RAJARAJAN R | R. Rajarajan |
| 11. | 821117104040 | SHALINI P | P. Shalini |
| 12. | 821117104010 | GAYATHRI E | E. Gayathri |
| 13. | 821117104047 | THULASI K | K. Thulasi |
| 14. | 821117104041 | SHINY ROJA F | F. Shiny Roja |
| 15. | 821117104013 | HAFEEZA A | A. Hafeeza |
| 16. | 821117104044 | SWETHA B | B. Swetha |
| 17. | 821117104036 | SARADHAPRIYA S | S. Saradhapriya |
| 18. | 821117104009 | GANGADEVI A | A. Gangadevi |


Non gate in charge



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2019 - 20

GATE/CE- REPORT

YEAR / SEM: III/VII

TOTAL STRENGTH:44

SUMMARY

SYLLABUS COVERAGE

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|---------|
| 30 | 30 | 5 | - |

OUTCOME

- Given coaching for 44 students.
- 6students appeared in GATE examination
- Can able to attend competitive exams and government exams
- Supportive in doing higher studies in reputed institutions
- Beneficial in seeking a job in MNC.

R. Ravi
30/3/2020
Gate DEPT. COORDINATOR

S. S.
30/3/20
HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2019 - 20 ~~20~~ SEMESTER

SOFTWARE TESTING

YEAR / SEM: IV / VII

Course syllabus

- Week 1: Techniques and algorithms for test case design: Graphs based testing- structural coverage criteria.
- Week 2: Graphs based testing: Data flow coverage criteria
- Week 3: Graphs based testing: Data flow coverage criteria
- Week 4: Graphs coverage for source code, design elements and requirements
- Week 5: Techniques and algorithms for test case design: Logic based testing- Predicates, logic based coverage criteria
- Week 6: Specification based logic coverage, logic coverage on finite state machines
- Week 7: Input space partitioning: Input domain modeling, combination strategies criteria
- Week 8: Syntax based testing: Coverage criteria based on syntax, mutation testing
- Week 9: Test case design (as learnt above) applied to object-oriented applications
- Week 10: Test case design (as learnt above) applied to web applications
- Week 11: Symbolic testing
- Week 12: Concolic testing, Conclusion

TOTAL: 30 PERIODS


STAFF INCHARGE


HOD/CSE



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COLLEGE OF ENGINEERING
(AACSB Accredited Institution)
(Approved by AICTE, New Delhi. Affiliated to
Anna University, Chennai)



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CERT
ISO 9001

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2019-2020 ^{even} SEMESTER
SWAYAM COURSE (PYTHON FOR DATA SCIENCE)

NAME LIST

YEAR/SEM : IV / VII

STRENGTH: 20

| Roll. No | Student Name | Signature |
|----------|-------------------|-------------------|
| 1. | Abirami. S | Abirami. S. |
| 2. | Aravindh. S | Aravindh. S. |
| 3. | Bagya Sri. T | Bagya Sri. T. |
| 4. | Bharani Dharan. N | N. Dharani |
| 5. | Bharathvaj. N | Bharathvaj. N. |
| 6. | Edwin Raj. K | Edwin Raj. K. |
| 7. | Gayathiri. R.R. | R.R. Gayathiri |
| 8. | Girija. S | Girija. S. |
| 9. | Haritha. M | M. Haritha |
| 10. | Karthika. K | K. Karthika |
| 11. | Makesh. K | M. Makesh |
| 12. | Mohammed Abrar. A | A. Abrar |
| 13. | Handhini. S | S. Handhini |
| 14. | Hathiya. K | K. Hathiya |
| 15. | Hithish Kumar. P | P. Hithish Kumar |
| 16. | Hithiya. R | R. Hithiya |
| 17. | Hivash. G | G. Hivash |
| 18. | Pavithra. R | R. Pavithra |
| 19. | Priya. K | K. Priya |
| 20. | Priyadharshini. S | S. Priyadharshini |

[Handwritten signature]



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2019-2020 ^{Even} SEMESTER
SWAYAM COURSE NAME LIST
Software Testing

YEAR/SEM : IV / VII

STRENGTH: 18

| Roll. No | Student Name | Signature |
|----------|-----------------------|------------------------|
| 1. | Priyanka. M | Priyanka. M |
| 2. | Rakshnah Begum. M S | Rakshnah Begum. M S |
| 3. | Sambath Kumar.M | M. Sambath |
| 4. | Sameena Farijiz. M | Sameena Farijiz |
| 5. | Saranya.V | Saranya. V |
| 6. | Selvarani. G | Selvarani. G |
| 7. | Subhiksha. M | M. Subhiksha |
| 8. | Suriyaprakash. M | Suriyaprakash. M |
| 9. | Suriyapriya.P | Suriyapriya. P |
| 10. | Thayumanavan.K | Thayumanavan. K |
| 11. | Thilagavathi. S | Thilagavathi. S |
| 12. | Venkateswaran.M | Venkateswaran. M |
| 13. | Venkateswaran. G | Venkateswaran. G |
| 14. | Vidhyadar.R | R. Vidhyadar |
| 15. | Vignesh.S | Vignesh. S |
| 16. | Yazhthilipan. I | Yazhthilipan. I |
| 17. | Vinodhini Joyce. S | Vinodhini Joyce. S |
| 18. | Ananthapathma Priya.A | Ananthapathma Priya. A |

* To issued for Two students.


Course Coordinator


HOD-CSE

Course Name: **Software testing**



Course certificate

- The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.
- The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).
- **Date and Time of Exams: 17 November 2019**, Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.
- Registration url: Announcements will be made when the registration form is open for registrations.
- The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.
- Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

- Average assignment score = 25% of average of best 8 assignments out of the total 12 assignments given in the course.
- Exam score = 75% of the proctored certification exam score out of 100
- Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$.

- If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.
- Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Madras. It will be e-verifiable at npTEL.ac.in/noc.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2019-2020 SEMESTER
SWAYAM COURSE (PYTHON FOR DATA SCIENCE)

YEAR/SEM : IV / VII

STRENGTH: 20

| Roll. No | Student Name | Assignments Completed | | | |
|----------|-------------------|-----------------------|----|----|----|
| | | A1 | A2 | A3 | A4 |
| 1. | Abirami. S | 85 | - | 80 | - |
| 2. | Aravindh. S | 90 | - | 78 | - |
| 3. | Bagya Sri. T | 85 | 88 | 76 | - |
| 4. | Bharani Dharan. N | 75 | 88 | 80 | 75 |
| 5. | Bharathvaj.N | 40 | 83 | 82 | - |
| 6. | Edwin Raj.K | 55 | - | 71 | - |
| 7. | Gayathiri. R.R. | 85 | 88 | 76 | - |
| 8. | Girija. S | 75 | 83 | 83 | - |
| 9. | Haritha.M | 65 | 83 | 83 | 75 |
| 10. | Karthika.K | 90 | 88 | 73 | - |
| 11. | Makesh.K | 90 | 88 | - | - |
| 12. | Mohammed Abrar.A | | | | |
| 13. | Nandhini. S | 90 | 88 | 78 | - |
| 14. | Nathiya. K | | | | |
| 15. | Nithish Kumar. P | - | - | 79 | - |
| 16. | Nithiya. R | 90 | 88 | 78 | - |
| 17. | Nivash. C | | | | |
| 18. | Pavithra.R | 85 | 88 | 78 | - |
| 19. | Priya. K | 90 | 88 | 78 | 33 |
| 20. | Priyadharshini.S | 90 | 83 | 76 | - |



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2019 - 20 *even* SEMESTER
SWAYAM COURSE - REPORT

YEAR / SEM: IV / VII

TOTAL STRENGTH: 38

• **SYLLABUS COVERAGE:**

| Course Name | NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|-------------------------|---------------------|----------------------|-----------------------|
| Software Testing | 8 Weeks | 16Hrs | 11 UNITS |
| Python for Data Science | 4 Weeks | 10 Hrs | 4 Units |

• **ASSESSMENT TEST PERFORMANCE:**

Weekly assessment submitted in the swayam course portal.

• **FEEDBACK DETAILS:**

The expectations for taking the course by the student are:

| | |
|--|-------|
| Procedure of experiments explained clearly | 97% |
| Support provided during lab sessions for completing experiments. | 94.8% |
| Session stimulates expansion of knowledge / Skill. | 97% |
| Opportunity for questions and discussions. | 98.5% |
| Course usefulness for real time implementation | 97% |
| Total | 96.8% |

• **CERTIFICATE STATUS: TO BE ISSUED**

• **OUTCOME:**

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

- Develop algorithmic solutions to simple computational problems
- Read, write, execute by hand simple Panda programs.
- Structure simple Tensor programs for solving problems.
- Decompose a Python program into functions.
- Gaming and entertainment industry program solving.


COURSE COORDINATOR
(Mr.M.Arun)


HOD/CSE

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: NPTEL20CS36S1709589

To
HARIHARAN E
PLOT NO 12,VASANTHAPURI NAGAR
E.B COLONY(WEST)
THANJAVUR
TAMIL NADU - 613006
PH. NO :9788512640



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

HARIHARAN E

for passing the course

Python for Data Science

with Score* 93 %



Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Feb 2020
(4 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



*Continuous online assessment score

To validate and check scores: <https://nptel.ac.in/noc>



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2019 - 20 EVEN SEMESTER
Assessment Procedure

- Staff members, it is to inform you that those who are handling CDC/KDC during this academic year 2019-20 even shall utilize the lab sessions to assess the understanding of respective courses you are handling.

A handwritten signature in black ink, consisting of a stylized 'J' followed by a long horizontal line and a final flourish.

Head of the Department

Copy to:

All CDC/KDC handling staff members

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2019 - 20 EVEN SEMESTER**

CS405- Programming in Python

L T P C

2 0 0 2

Unit -1

DATA, EXPRESSIONS, STATEMENT

7

Python interpreter and interactive mode Values and Types- Int, float, Boolean, string and list Expressions , Statements, Tuple Assignment Operators & precedence of operators, Comments Modules and functions Function definition Flow of execution Parameters and arguments Illustrative program-Exchange the values of two variables.

Unit -2

CONTROL FLOW, FUNCTIONS

8

Conditionals: Boolean values and operators, conditionals, Alternative, Chained conditional Iteration: State, While, For, Break, Continue, Pass Fruitful functions: Return values, Parameters, Local & Global scope. Function Composition, recursion Strings Illustrative programs: Squareoot, GCD, Exponentiation, Sum an array of n numbers, Linear search, Binary search Sum an array of n numbers.

Unit -3

LISTS, TUPLES, DICTIONARIES

8

Lists: List of operations, List slices, List methods, List loop List: Mutability, Aliasing, Cloning lists, List parameters Dictionaries: Operations and methods Illustrative programs: Selection sort, insertion sort, merge sort, histogram.

Unit- 4

FILES, MODULES, PACKAGES

7

Files and exception: Reading and writing files Format operator Command line argument Error and exceptions Modules, Packages Illustrative programs: Word count, copy file

30: PERIODS

**SIGNATURE OF STAFF INCHARGE
(M.ARUN, AP/CSE)**

HOD/CSE

PRINCIPAL



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Anna University, Chennai)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2019-2020 EVEN SEMESTER

NAME LIST

CS405- Programming in Python

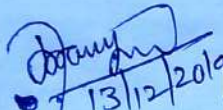
YEAR/SEM : IV / VII

STRENGTH: 39

HALL NO : 225

| ROLL NO | REGISTER NUMBER | STUDENT NAME | SIGNATURE |
|---------|-----------------|--------------------|-----------------|
| 1. | 821116104001 | Abirami. S | Abirami |
| 2. | 821116104002 | Aravindh. S | Aravindh |
| 3. | 821116104004 | Bagya Sri. T | Bagya Sri |
| 4. | 821116104005 | Bharani Dharan. N | Bharani Dharan |
| 5. | 821116104006 | Bharathvaj.N | Bharathvaj |
| 6. | 821116104007 | Edwin Raj.K | Edwin Raj |
| 7. | 821116104008 | Gayathiri. R.R. | Gayathiri |
| 8. | 821116104009 | Girija. S | Girija |
| 9. | 821116104010 | Haritha.M | Haritha |
| 10. | 821116104011 | Karthika.K | Karthika |
| 11. | 821116104012 | Makesh.K | Makesh |
| 12. | 821116104013 | Mohammed Abrar.A | Mohammed Abrar |
| 13. | 821116104014 | Nandhini. S | Nandhini |
| 14. | 821116104015 | Nathiya. K | Nathiya |
| 15. | 821116104016 | Nithish Kumar. P | Nithish Kumar |
| 16. | 821116104017 | Nithiya. R | Nithiya |
| 17. | 821116104018 | Nivash. C | Nivash |
| 18. | 821116104019 | Pavithra.R | Pavithra |
| 19. | 821116104023 | Priya. K | Priya |
| 20. | 821116104024 | Priyadarshini.S | Priyadarshini |
| 21. | 821116104025 | Priyanka. M | Priyanka |
| 22. | 821116104026 | Rakshnah Begum. Ms | Rakshnah Begum |
| 23. | 821116104027 | Sambath Kumar.M | Sambath |
| 24. | 821116104028 | Sameena Farijiz. M | Sameena Farijiz |
| 25. | 821116104029 | Saranya.V | Saranya |

| | | | |
|-----|--------------|-----------------------|-----------------|
| 26. | 821116104030 | Selvarani. G | Selvarani |
| 27. | 821116104031 | Subhiksha. M | Subhiksha |
| 28. | 821116104032 | Suriyaprakash. M | Suriya Prakash |
| 29. | 821116104033 | Suriyapriya.P | Suriya Priya |
| 30. | 821116104034 | Thayumanavan.K | Thayumanavan |
| 31. | 821116104035 | Thilagavathi. S | Thilagavathi |
| 32. | 821116104036 | Thooyavan.J (TC) | -TC - issued- |
| 33. | 821116104037 | Venkateswaran. M | Venkateshwaran |
| 34. | 821116104038 | Venkateswaran. G | Venkateshwaran |
| 35. | 821116104039 | Vidhyadar.R | Vidhyadar |
| 36. | 821116104040 | Vignesh.S | Vignesh |
| 37. | 821116104041 | Yazhthilipan. I | Yazhthilipan |
| 38. | 821116104701 | Vinodhini Joyce. S | Vinodhini Joyce |
| 39. | 821116104702 | Ananthapathma Priya.A | Ananthapathma |


 13/12/2019
 Class Coordinator


 HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2019-20 EVEN SEMESTER

MY CREDIT COURSE - REPORT

CS 405 - Programming in Python

YEAR / SEM: IV / VIII

TOTAL STRENGTH: 39

• SYLLABUS COVERAGE:

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|---------|
| 30 | 30 | 4 UNITS | • Nil |

• FEEDBACK DETAILS:

The expectations for taking the course by the student are:

| | |
|---|-------------|
| Procedure of experiments explained clearly | 94.8 |
| Support provided during lab sessions for completing experiments | 94.1 |
| Session stimulates expansion of knowledge / Skill. | 94.8 |
| Opportunity for questions and discussions | 92.3 |
| Course usefulness for real time implementation | 91.5 |
| OVERALL: | 93.5 |

OUTCOME:

- Able to Read, write, execute by hand simple Python programs.
- Able to Structure simple Python programs for solving problems.
- Able to Decompose a Python program into functions.
- Able to represent compound data using Python lists, tuples, dictionaries.
- Able to Read and write data from/to files in Python Programs


COURSE COORDINATOR
(Mr.M.Arun)


HOD/CSE

ACADEMIC YEAR 2019 - 2020



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
VALUE ADDED COURSE - IVA005 - VB.NET SYLLABUS

| | | |
|--|--|-------------|
| Sub.Code/Name : IVA005/VB.NET | Branch / Year / Sem : CSE / III / V | |
| Academic Year : 2019-20 (ODD) | Batch | : 2017-2021 |
| Staff Name : Mrs R.Sugantha Lakshmi & Mrs.G.Chandra Praba | | |

LT P C
1 0 2 2

- UNIT I VISUAL BASIC .NET AND THE .NET FRAMEWORK 9**
 Introduction to .net framework -Features, Common Language Runtime (CLR) ,Framework Class Library(FCL).Visual Studio.Net – IDE, Languages Supported, Components. Visual Programming, VB.net - Features, IDE- Menu System, Toolbars, Code Designer, Solution Explorer, Object Browser, Toolbox, Class View Window, Properties Window, Server Explorer, Task List, Output Window, Command Window.
- UNIT II ELEMENTS OF VISUAL BASIC .NET 9**
 Properties, Events and Methods of Form, Label, TextBox, ListBox, Combo Box, RadioButton, Button, Check Box, Progress Bar, Date Time Picker, Calendar, Picture Box, HScrollbar, VScrollbar, Group Box, ToolTip,Timer.
- UNIT III PROGRAMMING IN VISUAL BASIC .NET 9**
 Data Types, Keywords, Declaring Variables and Constants, Operators, Understanding Scope and accessibility of variables, Conditional Statements- If- Then, If-Then-Else, Nested If, Select Case, Looping Statement- Do loop, For Loop, For Each-Next Loop, While Loop, Arrays- Static and Dynamic.
- UNIT IV FUNCTIONS, BUILT-IN DIALOG BOXES, MENUS AND TOOLBAR 9**
 Menus and toolbars- Menu Strip, Tool Strip, Status Strip, Built-In Dialog Boxes –Open File Dialogs, Save File Dialogs, Font Dialogs, Color Dialogs, Print Dialogs, InputBox, Msg Box, Interfacing With End user- Creating MDI Parent and Child, Functions and Procedures- Built-In Functions- Mathematical and String Functions, User Defined Functions and Procedures.
- UNIT V ADVANCED CONCEPTS IN VB.NET 9**
 Object Oriented Programming- Creating Classes , Objects, Fields, Properties, Methods, Events , Constructors and destructors, Exception Handling- Models, Statements, Data Access withADO.Net , Data Access with ServerExplorer, Data Adapter and DataSets, ADO.NET Objects and Basic SQL.

Note: Hands-on sessions with the objective of one application development.

Staff Incharge
(Signature)

HOD/CSE
(Signature) 22/5/19

Total : 45 periods
 J. Prabhakaran
 Principal 22/5/2019 .

(Ms.R.Suganthalakshmi & Ms.G.Chandrapraba)




DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2019-20 ODD SEMESTER
Students Attendance for Assessment Test- I

Subject Code/Name : IVA005 / VB.NET
Subject Credit : 2
Date & Session : 30.11.19 & AN

Year/Sem : III / V
Batch: 2017 - 2021

| R.NO | REG.NO | NAME | SIGNATURE |
|------|--------------|--------------------|-----------------------------|
| 1. | 821117104001 | ABIMANYU S | <i>A. Imanyu S.</i> |
| 2. | 821117104002 | ABINAYA P | <i>P. Abinaya.</i> |
| 3. | 821117104003 | ABITHA A | <i>A. Abitha.</i> |
| 4. | 821117104004 | ANBARASAN R | <i>R. Anbarasan.</i> |
| 5. | 821117104006 | ARUN R | <i>R. Arun.</i> |
| 6. | 821117104007 | DEEPA N | <i>N. Deepa.</i> |
| 7. | 821117104008 | DHINAKARAN S | <i>S. Dhinakaran.</i> |
| 8. | 821117104009 | GANGADEVI A | <i>A. Gangadevi.</i> |
| 9. | 821117104010 | GAYATHRI E | <i>E. Gayathri.</i> |
| 10. | 821117104012 | GOPALAKRISHNAN V | <i>V. Gopalakrishnan.</i> |
| 11. | 821117104013 | HAFEEZA A | <i>A. Hafeeza.</i> |
| 12. | 821117104014 | JEEVITHA E | <i>E. Jeevitha.</i> |
| 13. | 821117104016 | KABILAN B | <i>B. Kabilan.</i> |
| 14. | 821117104017 | KANNAN M | <i>M. Kannan.</i> |
| 15. | 821117104018 | KARTHICKRAJA C | <i>C. Karthickraja.</i> |
| 16. | 821117104019 | KARTHIKA | <i>A. Karthika.</i> |
| 17. | 821117104021 | KEERTHANA B | <i>B. Keerthana.</i> |
| 18. | 821117104022 | LINDACAROLYN J | <i>J. Lindacarlynn.</i> |
| 19. | 821117104023 | MANGAIYARKKARASI K | <i>K. Mangaiyarkkarasi.</i> |
| 20. | 821117104026 | NANCY PRIYA A | <i>A. Nancy Priya.</i> |
| 21. | 821117104028 | PONSHARAN V | <i>V. Ponsharan.</i> |
| 22. | 821117104029 | POOJA E | <i>E. Pooja.</i> |
| 23. | 821117104031 | PRAVEEN K | <i>K. Praveen.</i> |
| 24. | 821117104032 | PREETHA B | <i>B. Preetha.</i> |
| 25. | 821117104033 | PRIYADHARSHINI K | <i>K. Priyadharsini.</i> |
| 26. | 821117104034 | RAJARAJAN R | <i>R. Rajarajan.</i> |
| 27. | 821117104035 | SANTOSHKUMAR S | <i>S. Santoshkumar.</i> |
| 28. | 821117104036 | SARADHAPRIYA S | <i>S. Saradhapriya.</i> |
| 29. | 821117104038 | SASIKUMAR L | <i>L. Sasikumar.</i> |
| 30. | 821117104039 | SHALINI A | <i>A. Shalini.</i> |

| | | | |
|-----|--------------|-------------------|--------------------|
| 31. | 821117104040 | SHALINI P | P. Shalini |
| 32. | 821117104041 | SHINY ROJA F | P. Shiny Roja |
| 33. | 821117104042 | SHIYAMALA R | P. Shiyamala |
| 34. | 821117104043 | SUPRITHA C | C. Supriya |
| 35. | 821117104044 | SWETHA B | B. Swetha |
| 36. | 821117104045 | THARIK SALMAN B | B. Tharik Salman |
| 37. | 821117104046 | THENDRAL S | S. Thendral |
| 38. | 821117104047 | THULASI K | K. Thulasi |
| 39. | 821117104048 | UDHAYA P | P. Udhaya |
| 40. | 821117104050 | VASANTH Y | Y. Vasanth |
| 41. | 821117104051 | VASUDEVAN R | R. Vasudevan |
| 42. | 821117104052 | VENKATESHIRAGHU K | K. Venkateshiraghu |
| 43. | 821117104053 | VIGNESH B | B. Vignesh |
| 44. | 821117104301 | VIMAL RAJ S | S. Vimal Raj |
| 45. | 821117104501 | PRAGATHI J | J. Pragathi |
| 46. | 821117104701 | GOKUL RAJA A | A. Gokul Raja |


 Co-ordinator


 HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2019 - 20 ODD SEMESTER

VALUE ADDED COURSE - REPORT

IVA005 - VB.NET

YEAR / SEM: III/V

TOTAL STRENGTH: 46

1. SYLLABUS COVERAGE

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|---------|
| 45 | 48 | 5 | - |

2. ASSESSMENT TEST PERFORMANCE

| TEST | NO OF UNITS | NO OF STUDENTS ATTENDED | NO OF STUDENTS PASSED | PASS % |
|-------|-------------|-------------------------|-----------------------|--------|
| AT-I | 2 Units | 46 | 46 | 100% |
| AT-II | 5 Units | 46 | 46 | 100% |

3. FEEDBACK :



4. OUTCOME

- Work on VB.NET IDE
- Develop simple applications
- Create applications using MDI
- Access datasets and databases

COURSE COORDINATOR

HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
1.2.2 Add on Courses/NPTEL/SWAYAM / MCC Summary

| S.No | Name of Add on /Certificate programs offered | Course Code (if any) | Duration of course | Number of students enrolled in the year | Number of Students completing the course in the year |
|---|--|----------------------|--------------------|---|--|
| Academic Year 2018-2019 (ODD & EVEN) | | | | | |
| 1. | Java Programming - III CSE | CS301 | 30 hrs | 42 | 42 |
| 2. | GATE Coaching - III YR | CS302 | 30 hrs | 42 | 42 |
| 3. | DM – Data Mining- IV YR | CS401 | 30 hrs | 21 | 21 |
| 4. | ES – Embedded System - IV YR | CS401 | 30 hrs | 15 | 15 |
| 5. | NS2 – Network Simulator 2 - IV YR | CS401 | 30 hrs | 19 | 19 |
| 6. | Python Programming - IV YR | CS402 | 30 hrs | 21 | 21 |
| 7. | Communication & Presentation Skills -III YR | CS303 | 30 hrs | 41 | 41 |
| 8. | Quantitative Aptitude reasoning- IV YR | CS403 | 15 hrs | 55 | 55 |
| 9. | Technical Aptitude Skills -IV YR | CS404 | 15 hrs | 55 | 55 |
| 10. | Python Programming - IV YR | CS405 | 45 hrs | 30 | 30 |
| 11. | Web Designing-IV YR | CS406 | 45 hrs | 25 | 25 |



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 – 19 ODD SEMESTER
Assessment Procedure

- Staff members, it is to inform you that those who are handling CDC/KDC during this academic year 2018-19 ODD shall utilize the lab sessions to assess the understanding of respective courses you are handling.


Head of the Department

Copy to:

All CDC/KDC handling staff members



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 - 19 ODD SEMESTER
MY CREDIT COURSE - CS301- JAVA PROGRAMMING

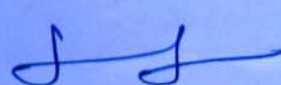
SYLLABUS

YEAR / SEM: III / V

| | | |
|--|---|-----------|
| UNIT - I | JAVA BASICS | 06 |
| History of Java - Scope of Java - Advantages & Applications of Java - Types of Java applications - Java environment setup - Overview - Comparison with prior programming languages | | |
| UNIT - II | OPERATOR & DECISION & ARRAY CONSTRUCTS | 06 |
| Basic Syntax - Keywords, Identifiers - Java Objects & Classes - Primitive and Reference Data types - Literals - Variables and its types - Modifiers (Access & Non Access) - Java Basic Operators - Decision making & Looping statements | | |
| UNIT - III | LOOP CONSTRUCTS & METHODS | 06 |
| Numbers Class - Character Class - String Class - Methods - Creating Method - Method calling - Method overloading - Constructors | | |
| UNIT - IV | INHERITENCE & INTERFACES | 06 |
| Declaring array variables - Creating Arrays - Processing - Passing Arrays to methods - Date Class - Time class - Inheritance - Java programs | | |
| UNIT - V | JAVA EXCEPTION | 06 |
| Polymorphism - Interface - Exception - try catch Block - Multiple Catch Block - Throw - Common Exception Classes & Categories - Packages | | |

TOTAL: 30 PERIODS


STAFF INCHARGE


HOD/CSE

PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2018-19 / ODD SEMESTER

CLASS/SEM : III CSE / V

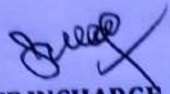
STUDENT NAME LIST

ASSESSMENT TEST 1 - ATTENDANCE SHEET

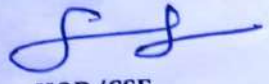
| S.NO | REG.NO | NAME OF THE STUDENT | SIGNATURE |
|------|--------------|---------------------|----------------|
| 1 | 821116104001 | ABIRAMI. S | S.A.B |
| 2 | 821116104002 | ARAVINDH. S | S. Arav |
| 3 | 821116104003 | ARVIND SHIMA. P | Arvind |
| 4 | 821116104004 | BAGYA SRI. T | Baij |
| 5 | 821116104005 | BHARANI DHARAN. N | n: Bharani |
| 6 | 821116104006 | BHARATHVAJ.N | Bharath |
| 7 | 821116104007 | EDWIN RAJ.K | k: Edwin |
| 8 | 821116104008 | GAYATHIRI. R.R. | G. Gayathiri |
| 9 | 821116104009 | GIRIJA. S | S. Girija |
| 10 | 821116104010 | HARITHA.M | Haritha |
| 11 | 821116104011 | KARTHIKA.K | k. Karthika |
| 12 | 821116104012 | MAKESH.K | Makesh |
| 13 | 821116104013 | MOHAMMED ABRAR.A | Mohammed |
| 14 | 821116104014 | NANDHINI. S | S. Nandhini |
| 15 | 821116104015 | NATHIYA. K | K. Nathyia |
| 16 | 821116104016 | NITHISH KUMAR. P | Nithish |
| 17 | 821116104017 | NITHIYA. R | Nithiya |
| 18 | 821116104018 | NIVASH. C | Nivash |
| 19 | 821116104019 | PAVITHRA.R | Pavithra |
| 20 | 821116104022 | PRAVEEN RAJ. S | Praveen |
| 21 | 821116104023 | PRIYA. K | K. Priya |
| 22 | 821116104024 | PRIYADHARSHINI.S | Priyadharshini |
| 23 | 821116104025 | PRIYANKA. M | Priyanka |
| 24 | 821116104026 | RAKSHNAH BEGUM. MS | Rakshnah |
| 25 | 821116104027 | SAMBATH KUMAR.M | Sambath |
| 26 | 821116104028 | SAMEENA FARIJIZ. M | Sameena |
| 27 | 821116104029 | SARANYA.V | Sarany |
| 28 | 821116104030 | SELVARANI. G | Selvarani |
| 29 | 821116104031 | SUBHIKSHA. M | M. Subhiksha |
| 30 | 821116104032 | SURIYAPRAKASH. M | Suriyaprakash |
| 31 | 821116104033 | SURIYAPRIYA.P | P. Suriyapriya |
| 32 | 821116104034 | THAYUMANAVAN.K | Thayumanavan |

| | | | |
|----|--------------|-----------------------|--------------|
| 33 | 821116104035 | THILAGAVATHI. S | S.Thil |
| 34 | 821116104036 | THOYAVAN.J | Thoy |
| 35 | 821116104037 | VENKATESHWARAN. M | M. Venkatesh |
| 36 | 821116104038 | VENKATESWARAN. G | Venk |
| 37 | 821116104039 | VIDHYADAR.R | R. Vidya |
| 38 | 821116104040 | VIGNESH.S | S. Vignesh |
| 39 | 821116104041 | YAZHTHILIPAN. I | Yathu |
| 40 | 821116104702 | ANANTHAPATHMA PRIYA.A | Priya |
| 41 | 821116104701 | VINODHINI JOYCE. S | S. Vinodhini |

H2.



STAFF INCHARGE



HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018- 19 ODD SEMESTER
MY CREDIT COURSE - REPORT
CS301 -JAVA PROGRAMMING

YEAR / SEM: IV / VIII

TOTAL STRENGTH: 17

• **SYLLABUS COVERAGE:**

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 30 | 30 | 5 UNITS |

• **ASSESSMENT TEST PERFORMANCE:**

| TEST | NO OF UNITS | NO OF STUDENTS ATTENDED | NO OF STUDENTS PASSED | PASS % |
|-------|-------------|-------------------------|-----------------------|--------|
| AT-I | 2 Units | 17 | 17 | 100% |
| AT-II | 5 Units | 17 | 17 | 100% |

• **FEEDBACK DETAILS:**

The expectations for taking the course by the student are:

| | |
|-----------------------------------|-----|
| Enhance the skill base | 63% |
| Get exposed to a relevant subject | 13% |
| Curiosity | 7% |
| Better Employment Opportunity | 20% |

• **OUTCOME:**

- Able to write codes and do projects on own.
- Able to Understand the fundamentals of object-oriented programming in Java
- Able to enhance their software development skill.
- Increases job opportunities in Multinational companies


COURSE COORDINATOR


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

| | |
|---|---------------------------------------|
| Branch / Year / Sem : B.E CSE / III /V | Sub.Name :GATE |
| Staff Name : Mrs.B.Sangeetha | Academic Year: 2018-2019(even) |

GATE SYLLABUS

Total: 30 Periods

- | | |
|--|----------|
| 1. DIGITAL LOGIC | 6 |
| Boolean algebra, combinational and sequential circuits, number representation | |
| 2. COMPUTER NETWORKS | 6 |
| Basics – Protocols-Network Security-Authentication - Firewalls | |
| 3. PROGRAMMING AND DATA STRUCTURES | 6 |
| Array – stack – queue - tree | |
| 4. COMPUTER ORGANIZATION AND ARCHITECTURE | 6 |
| Machine instructions and addressing modes - Memory hierarchy: cache, main memory and Secondary storage | |
| 5. OPERATING SYSTEMS | 6 |
| Processes, threads, inter-process communication, concurrency and synchronization. | |
| 6. MOCKTEST_I | 1 |

B. Sangeetha
Gate in charge
14/12/18

J. Jeyaraj
HOD/CSE
14/12/18

J. Manikandan
14/12/2018
PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year 2018-19 / EVEN Semester
Gate attended name list

Class: III Year

| S.NO | REGISTER.NO | STUDENT NAME | SIGNATURE |
|------|--------------|------------------------|-------------|
| 1. | 821116104001 | ABIRAMI. S | [Signature] |
| 2. | 821116104002 | ARAVINDH. S | [Signature] |
| 3. | 821116104003 | ARVIND SHIMA. P | [Signature] |
| 4. | 821116104004 | BAGYA SRI. T | [Signature] |
| 5. | 821116104005 | BHARANI DHARAN. N | [Signature] |
| 6. | 821116104006 | BHARATHVAJ.N | [Signature] |
| 7. | 821116104007 | EDWIN RAJ.K | [Signature] |
| 8. | 821116104008 | GAYATHIRI. R.R. | [Signature] |
| 9. | 821116104009 | GIRIJA. S | [Signature] |
| 10. | 821116104010 | HARITHA.M | [Signature] |
| 11. | 821116104011 | KARTHIKA.K | [Signature] |
| 12. | 821116104012 | MAKESH.K | [Signature] |
| 13. | 821116104013 | MOHAMMED ABRARA | [Signature] |
| 14. | 821116104014 | NANDHINI. S | [Signature] |
| 15. | 821116104015 | NATHIYA. K | [Signature] |
| 16. | 821116104016 | NITHISH KUMAR. P | [Signature] |
| 17. | 821116104017 | NITHIYA. R | [Signature] |
| 18. | 821116104018 | NIVASH. C | [Signature] |
| 19. | 821116104019 | PAVITHRA.R | [Signature] |
| 20. | 821116104022 | PRAVEEN RAJ. S | [Signature] |
| 21. | 821116104023 | PRIYA. K | [Signature] |
| 22. | 821116104024 | PRIYADHARSHINI.S | [Signature] |
| 23. | 821116104025 | PRIYANKA. M | [Signature] |
| 24. | 821116104026 | RAKSHNAH BEGUM. MS | [Signature] |
| 25. | 821116104027 | SAMBATH KUMAR.M | [Signature] |
| 26. | 821116104028 | SAMEENA FARIJIZ. M | [Signature] |
| 27. | 821116104029 | SARANYA.V | [Signature] |
| 28. | 821116104030 | SELVARANI. G | [Signature] |
| 29. | 821116104031 | SUBHIKSHA. M | [Signature] |
| 30. | 821116104032 | SURIYAPRAKASH. M | [Signature] |
| 31. | 821116104033 | SURIYAPRIYA.P | [Signature] |
| 32. | 821116104034 | THAYUMANAVAN.K | [Signature] |
| 33. | 821116104035 | THILAGAVATHI. S | [Signature] |
| 34. | 821116104036 | THOYAVAN.J | [Signature] |
| 35. | 821116104037 | VENKATESHWARAN. M | [Signature] |
| 36. | 821116104038 | VENKATESWARAN. G | [Signature] |
| 37. | 821116104039 | VIDHYADAR.R | [Signature] |
| 38. | 821116104040 | VIGNESH.S | [Signature] |
| 39. | 821116104041 | YAZIITHILIPAN. I | [Signature] |
| 40. | 821116104702 | ANANTHAPATHIMA PRIYA.A | [Signature] |
| 41. | 821116104701 | VINODHINI JOYCE. S | [Signature] |
| 42. | 821116104703 | J.PRAGATHI | [Signature] |

[Signature]
Gate Dept. co coordinator



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

| | |
|--|-------------------------------|
| Branch / Year / Sem : B.E CSE / III /V | Sub.Name :GATE |
| Staff Name : Mrs.B.Sangeetha | Academic Year: 2018-2019(odd) |

GATE SYLLABUS

Total: 30 Periods

1. DATABASE MANAGEMENT SYSTEM 6
Introduction - query- Normal forms – files organization – Key concepts.
2. COMPUTER NETWORKS 6
Basics – Protocols-Network Security-Authentication - Firewalls
3. ALGORITHMS 6
Introduction – Graph-Divide and Conquer- Spanning Tree- Hamiltonian Paths and Circuits- Traveling-Salesman Problem
4. COMPUTER ORGANIZATION AND ARCHITECTURE 6
Machine instructions and addressing modes - Memory hierarchy: cache, main memory and Secondary storage
5. OPERATING SYSTEM 6
Processes, threads, inter-process communication, concurrency and synchronization.
6. MOCKTEST_II

[Signature]
GATE in charge (7/18)

[Signature]
HOD/CSE

[Signature]
6/27/2018
PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year 2018-19 / ODD Semester
Gate attended name list

Class: III Year

| S.NO | REGISTER.NO | STUDENT NAME | SIGNATURE |
|------|--------------|------------------------|--------------|
| 1. | 821116104001 | ABIRAMI. S | [Signature] |
| 2. | 821116104002 | ARAVINDH. S | S. Aravind |
| 3. | 821116104003 | ARVIND SHIMA. P | P. Aravind |
| 4. | 821116104004 | BAGYA SRI. T | [Signature] |
| 5. | 821116104005 | BHARANI DHARAN. N | N. Bharani |
| 6. | 821116104006 | BHARATHVAJ.N | [Signature] |
| 7. | 821116104007 | EDWIN RAJ.K | [Signature] |
| 8. | 821116104008 | GAYATHIRI. R.R. | [Signature] |
| 9. | 821116104009 | GIRIJA. S | [Signature] |
| 10. | 821116104010 | HARITHA.M | [Signature] |
| 11. | 821116104011 | KARTHIKA.K | K. Karthika |
| 12. | 821116104012 | MAKESH.K | K. Mahesh |
| 13. | 821116104013 | MOHAMMED ABRARA | [Signature] |
| 14. | 821116104014 | NANDHINI. S | [Signature] |
| 15. | 821116104015 | NATHIYA. K | P. Nathy |
| 16. | 821116104016 | NITHISH KUMAR. P | [Signature] |
| 17. | 821116104017 | NITHIYA. R | [Signature] |
| 18. | 821116104018 | NIVASH. C | [Signature] |
| 19. | 821116104019 | PAVITHRA.R | [Signature] |
| 20. | 821116104022 | PRAVEEN RAJ. S | [Signature] |
| 21. | 821116104023 | PRIYA. K | R. Priya |
| 22. | 821116104024 | PRIYADHARSHINI.S | [Signature] |
| 23. | 821116104025 | PRIYANKA. M | [Signature] |
| 24. | 821116104026 | RAKSHNAH BEGUM. MS | [Signature] |
| 25. | 821116104027 | SAMBATH KUMAR.M | [Signature] |
| 26. | 821116104028 | SAMEENA FARIJIZ. M | [Signature] |
| 27. | 821116104029 | SARANYA.V | [Signature] |
| 28. | 821116104030 | SELVARANI. G | [Signature] |
| 29. | 821116104031 | SUBHIKSHA. M | [Signature] |
| 30. | 821116104032 | SURIYAPRAKASH. M | [Signature] |
| 31. | 821116104033 | SURIYAPRIYA.P | [Signature] |
| 32. | 821116104034 | THAYUMANAVAN.K | [Signature] |
| 33. | 821116104035 | THILAGAVATHI. S | [Signature] |
| 34. | 821116104036 | THOYAVAN.J | [Signature] |
| 35. | 821116104037 | VENKATESHWARAN. M | [Signature] |
| 36. | 821116104038 | VENKATESWARAN. G | [Signature] |
| 37. | 821116104039 | VIDHYADAR.R | [Signature] |
| 38. | 821116104040 | VIGNESH.S | [Signature] |
| 39. | 821116104041 | YAZITHILIPAN. I | [Signature] |
| 40. | 821116104702 | ANANTHAPATHIMA PRIYA.A | Ananth Priya |
| 41. | 821116104701 | VINODHINI JOYCE. S | [Signature] |
| 42. | 821116104703 | J.PRAGATHI | [Signature] |

[Signature]
Gate Dept. Co coordinator



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2019 - 20

GATE/CE- REPORT

YEAR / SEM: III/VII

TOTAL STRENGTH:44

SUMMARY

SYLLABUS COVERAGE

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|---------|
| 30 | 30 | 5 | - |

OUTCOME

- Given coaching for 44 students.
- 6students appeared in GATE examination
- Can able to attend competitive exams and government exams
- Supportive in doing higher studies in reputed institutions
- Beneficial in seeking a job in MNC.

R. Ravi
30/3/2020
Gate DEPT. COORDINATOR

S. S.
30/3/20
HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 – 19 ODD SEMESTER
Assessment Procedure

- Staff members, it is to inform you that those who are handling CDC/KDC during this academic year 2018-19 ODD shall utilize the lab sessions to assess the understanding of respective courses you are handling.


Head of the Department

Copy to:

All CDC/KDC handling staff members



KINGS
COLLEGE OF ENGINEERING
(NAAC Accredited Institution)
(Approved by AICTE, New Delhi. Affiliated to
Anna University, Chennai)



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2018 - 19 ODD SEMESTER

MY CREDIT COURSE - Data Mining

SYLLABUS

YEAR / SEM: IV / VIII

Course layout

- 1: Introduction, Data Preprocessing
- 2: Association Rule Mining, Classification Basics
- 3: Decision Tree, Bayes Classifier, K nearest neighbor
- 4: Support Vector Machine, Kernel Machine
- 5: Clustering, Outlier detection
- 6: Sequence mining
- 7: Evaluation, Visualization.

TOTAL: 30 PERIODS

K. S. S.
2/7/18
STAFF INCHARGE

J. J.
2/7/18
HOD/CSE

J. S. S.
02/7/2018
PRINCIPAL



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 - 19 ODD SEMESTER**

**CDC - REPORT
CS401 -DATA MINING**

YEAR / SEM: IV / VII

TOTAL STRENGTH: 55

• SYLLABUS COVERAGE:

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 30 | 30 | Completed |

• FEEDBACK DETAILS:

The expectations for taking the course by the student are:

| | |
|--|--------------|
| Q1.CDC Course satisfies your informative knowledge. | 93.3 |
| Q2.The staff was prepared for every CDC class | 86.7 |
| Q3.Staff used a variety of instructional method to reach the course objectives | 86.7 |
| Q4.Career related to the course learning outcomes. | 93.3 |
| Q5. Guidance given to the individual student by the staff | 93.3 |
| Average | 90.67 |

OUTCOME:

- Understand standard data mining methods and techniques such as association rules, data clustering and classification.
- Learn new, advanced techniques for emerging applications.

K. S. Srinivasan

COURSE COORDINATOR

J. J.

HOD/CSE



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



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CERT
ISO 9001

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR- 2018-19 ODD SEM

CDC - CS401A-DATA MINING

CLASS: IV CSE

BATCH: 2015-2019

| R.NO | REGISTER NUMBER | STUDENT NAME | Signature |
|------|-----------------|-----------------------|--------------------|
| 1. | 821115104001 | AARTHY.M | M. Arthy |
| 2. | 821115104002 | ABINAYA.A | Abinaya. A. |
| 3. | 821115104005 | ANTHALAPRIYA.A | Anthalpriya. A |
| 4. | 821115104006 | ANUSHA.K | K. Anusha |
| 5. | 821115104007 | ARSCHANA.U | U. Archana |
| 6. | 821115104008 | ATCHAYA.A | Atchaya. A. |
| 7. | 821115104013 | ELAKKIYA.M | M. Elakkiya |
| 8. | 821115104014 | FESTUS DEVAPRIYAN.J.D | Festus. D |
| 9. | 821115104015 | GUNA.K | K. Guna. |
| 10. | 821115104019 | KARTHIKEYAN.C | Karthikeyan. C |
| 11. | 821115104020 | KAYALVIZHI.S | Kayalvizhi. S |
| 12. | 821115104023 | MANIMOZHI.K | K. Manimozhi. |
| 13. | 821115104024 | MEIMOZHI.B | Bmeewe. |
| 14. | 821115104025 | MIRUNALINI.S | S. Mirunalini. |
| 15. | 821115104026 | MOHAMED ALI.M.J | J. Mohamed Ali. |
| 16. | 821115104027 | MOHAN KUMAR.S | S. Mohan Kumar |
| 17. | 821115104028 | NANDHAKUMAR.S | S. Nandha |
| 18. | 821115104040 | SAMAYA.G | G. Samaya |
| 19. | 821115104041 | SANTHOSH RAM.D | D. Santhosh. |
| 20. | 821115104047 | SUBASH CHANDRA BOS.R | R. Subash chandra. |
| 21. | 821115104052 | TAMILARASAN.M | M. Tamilarasan. |

K. Arthy

CO ORDINATOR

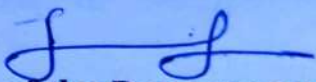
J. J.

HOD /CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 - 19 ODD SEMESTER
Assessment Procedure

- Staff members, it is to inform you that those who are handling CDC/KDC during this academic year 2018-19 ODD shall utilize the lab sessions to assess the understanding of respective courses you are handling.


Head of the Department

Copy to:

All CDC/KDC handling staff members



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2018 - 2019 / ODD SEMESTER

CDC COURSE SYLLABUS

CS401B-Embedded Systems

UNIT -I: Introduction to Embedded Systems **10**

Definition of Embedded System, Embedded Systems Vs General Computing Systems, History of Embedded Systems, Classification, Major Application Areas, Purpose of Embedded Systems, Characteristics and Quality Attributes of Embedded Systems.

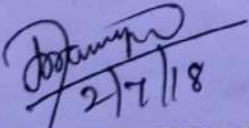
UNIT -II: Typical Embedded System **10**

Core of the Embedded System: General Purpose and Domain Specific Processors, ASICs, PLDs, Commercial Off-The-Shelf Components (COTS), Memory: ROM, RAM, Memory according to the type of Interface, Memory Shadowing, Memory selection for Embedded Systems, Sensors and Actuators, Communication Interface: Onboard and External Communication Interfaces.

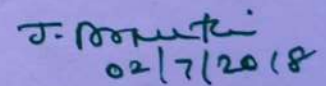
UNIT -III: Embedded Firmware **10**

Reset Circuit, Brown-out Protection Circuit, Oscillator Unit, Real Time Clock, Watchdog Timer, Embedded Firmware Design Approaches and Development Languages.

TOTAL PERIOD : 30


2/7/18
STAFF INCHARGE


2/7/18
HOD/CSE


02/7/2018
PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR- 2018-19 ODD SEM

CDC - CS401B-EMBEDDED SYSTEM

CLASS: IV CSE

BATCH: 2015-2019

| S.No | Register Number | Student Name | Signature |
|------|-----------------|------------------|------------------|
| 1. | 821115104003 | R.ABINAYA | R. Abinaya |
| 2. | 821115104004 | R.ANANTHI | P. Ananthi |
| 3. | 821115104009 | V.BALACHANDAR | V. Bala |
| 4. | 821115104011 | C.DHIVYABHARATHI | C. Dhivyabhathi |
| 5. | 821115104012 | K.DHIVYABHARATHI | |
| 6. | 821115104016 | JAQULIN DIANA.A | Jaquelin - A |
| 7. | 821115104035 | RAGUL.R | R. Ragul, |
| 8. | 821115104039 | S.RAWLAAFRIN | Rawlafrin |
| 9. | 821115104044 | B.SHYAMALA | B Shyamala |
| 10. | 821115104048 | SUGAPRIYA.S | S. Sugapriya |
| 11. | 821115104051 | P.SWARNAAPRABHA | P. Swarnaaprabha |
| 12. | 821115104053 | P.THENMOZHI | P. Thenmozhi |
| 13. | 821115104054 | VEERAMANI. T | Veeramani. T |
| 14. | 821115104055 | A.VIDHYA | A Vidhya, |
| 15. | 821115104056 | VIPOOSH.V | V. Vipoothu |


COORDINATOR


HOD /CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 - 19 ODD SEMESTER
CDC - REPORT
CS401- EMBEDDED SYSTEM

YEAR / SEM: IV / VII

TOTAL STRENGTH: 15

• **SYLLABUS COVERAGE:**

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 30 | 30 | 3 UNITS |


• **FEEDBACK DETAILS:**

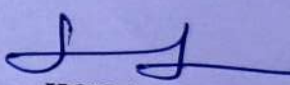
The expectations for taking the course by the student are:

| | |
|--|------|
| Q1.CDC Course satisfies your informative knowledge. | 82.2 |
| Q2.The staff was prepared for every CDC class | 86.7 |
| Q3.Staff used a variety of instructional method to reach the course objectives | 80 |
| Q4.Career related to the course learning outcomes. | 82.2 |
| Q5. Guidance given to the individual student by the staff | 80 |
| Total: | 82.2 |

OUTCOME:

- Identify hardware and software components to build embedded systems.
- Develop real time systems projects.


COURSE COORDINATOR


HOD/CSE



KINGS
COLLEGE OF ENGINEERING
(NAAC Accredited Institution)
(Approved by AICTE, New Delhi. Affiliated to
Anna University, Chennai)



TÜVRheinland®
CERT
ISO 9001

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2018 - 19 ODD SEMESTER

MY CREDIT COURSE - Network Simulation with NS2

SYLLABUS

YEAR / SEM: IV / VII

UNIT - I Basics of NS2

07

About NS2 and NAM, Purpose and Installation, Background and architecture, OTcl and C++ interfaces, Trace files and formats, Protocol support for NS2- Simulation object, Basic Syntax, Node creation, Finish procedure, Running NS2 and NAM, Invoking external commands within NS2

UNIT - II Wired and Wireless networks

08

Nodes & Agents, Working of NS2 commands, Wired and Wireless scenarios, Routing protocols in wireless scenarios -Wired networks- Creating links, Sending traffic through NS2 links, Setting link parameters, Routing protocol support, Scenarios Wireless networks - Additional parameters, Setting node positions, GOD object and Topography, Protocol support, Scenarios

UNIT - III Analyzing traces

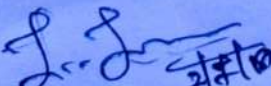
08

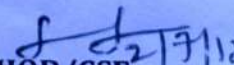
Back to traces, AWK and Xgraph, Analyzing parameters in each trace entry, Xgraph parameters Invoking AWK scripts, Print values to console and files using AWK, Setting values for Xgraph, Invoking Xgraph, Additional Xgraph parameters

UNIT - IV Advanced topics

07

Introduction to NS2 source code, Building NS2 from source, Patches in NS2, Energy models in wireless scenarios


STAFF INCHARGE


HOD/CSE

TOTAL: 30 PERIODS


PRINCIPAL

ACADEMIC YEAR- 2018-19 ODD SEM
CDC - CS401D-Network Simulator 2
CLASS: IV CSE
BATCH: 2015-2019

- ATTENDANCE SHEET

| S.No | Registrar Number | Student Name | Signature |
|------|------------------|---------------------|---------------------|
| 1. | 821115104017 | Jayaprakash.B | B. Jayaprakash |
| 2. | 821115104018 | Karthika.P | Karthika.P |
| 3. | 821115104022 | Krithika.M | M. Krithika |
| 4. | 821115104029 | Nethaji.T.S | Nethaji.T.S |
| 5. | 821115104030 | Pavitha.C | Pavitha.C |
| 6. | 821115104031 | Pavithira.M | Pavithira.M |
| 7. | 821115104032 | Pragadeshwari.M | Pragadeshwari.M |
| 8. | 821115104033 | Priyadharashini.S | Priyadharashini.S |
| 9. | 821115104036 | Rajalakshmi.A | Rajalakshmi.A |
| 10. | 821115104037 | Rajavarshini.B | Rajavarshini.B |
| 11. | 821115104043 | Sathya.M | Sathya.M |
| 12. | 821115104045 | Sivabalan.R | R. Sivabalan |
| 13. | 821115104046 | Sowmiya.P | Sowmiya.P |
| 14. | 821115104049 | Surya.V | Surya.V |
| 15. | 821115104057 | Yamuna.K | Yamuna.K |
| 16. | 821115104058 | Yuvalakshmi Priya.S | Yuvalakshmi Priya.S |
| 17. | 821115104302 | Chakkravarthy G | G. Chakkravarthy |
| 18. | 821115104304 | Buvaneshwari.S | Buvaneshwari.S |
| 19. | 821115104502 | Pradeep.E | Pradeep.E |


STAFF INCHARGE


HOD



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 – 19 ODD SEMESTER
CDC – REPORT
CS401- Network Simulation with NS2

YEAR / SEM: IV / VII

TOTAL STRENGTH: 19

• **SYLLABUS COVERAGE:**

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 30 | 30 | 4 UNITS |

• **FEEDBACK DETAILS:**

The expectations for taking the course by the student are:

| | |
|--|-------------|
| Q1.CDC Course satisfies your informative knowledge. | 77.1 |
| Q2.The staff was prepared for every CDC class | 85.1 |
| Q3.Staff used a variety of instructional method to reach the course objectives | 77.1 |
| Q4.Career related to the course learning outcomes. | 85.7 |
| Q5. Guidance given to the individual student by the staff | 77.1 |
| Total | 80.7 |

OUTCOME:

- Understand multiple protocols and the capability of graphically detailing network traffic.
- Complex scenarios can be easily tested.


COURSE COORDINATOR


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2018 - 19 ODD SEMESTER

MY CREDIT COURSE - Python Programming

YEAR / SEM: IV / VII

Course syllabus

Unit 1 - Introduction to Python and Computer Programming

Python - a tool, not a reptile -There is more than one Python-Let's starts our Python adventure

Unit 2 - Data Types, Variables, Basic Input-Output Operations, Basic Operators

Your first program-Python literals-Operators - data manipulation tools-Variables - data-shaped boxes-How to talk to computer?

Unit 3 - List

Making decisions in Python-Python's loops-Logic and bit operations in Python-Lists - collections of data-Sorting simple lists - the bubble sort algorithm-Lists - some more details-Lists in advanced applications

TOTAL: 30 PERIODS

G.C. 1/7/18
STAFF INCHARGE

J.S. 02/7/18
HOD/CSE

J. Praveen 02/7/2018
PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2018-19 ODD SEMESTERS

Year/Sem:IV/VII

STUDENT NAMELIST

Class Room: 255

Strength : 21

| R.NO | STUDENT ID | REGISTER NUMBER | STUDENT NAME | Signature |
|------|------------|-----------------|------------------|------------------|
| 1. | K15CS001 | 821115104001 | Aarthy.M | M. Aarthy |
| 2. | K15CS003 | 821115104003 | Abinaya.R | Abinaya . R |
| 3. | K15CS007 | 821115104007 | Arschana.U | U Arshana |
| 4. | K15CS008 | 821115104008 | Atchaya.A | A Atchaya, |
| 5. | K15CS009 | 821115104009 | Balachandar.V | V. Balachandar |
| 6. | K15CS011 | 821115104011 | Dhivyabharathi.C | Dhivya bharaathi |
| 7. | K15CS012 | 821115104012 | Divya bharathi.K | Divya.K. |
| 8. | K15CS016 | 821115104016 | Jaquin Diana.A | Jaquin Diana |
| 9. | K15CS018 | 821115104018 | Karthika.P | P. karthika |
| 10. | K15CS023 | 821115104023 | Manimozhi.K | Manimozhi.K |
| 11. | K15CS025 | 821115104025 | Mirunalini.S | S. Mirunalini |
| 12. | K15CS041 | 821115104041 | Santhosh ram.D | D. Santhosh Ram |
| 13. | K15CS043 | 821115104043 | Sathya.M | M Sathya |
| 14. | K15CS044 | 821115104044 | Shiyamala.B | B. Shiyamala, |
| 15. | K15CS049 | 821115104049 | Surya.V | Surya . V |
| 16. | K15CS048 | 821115104048 | Suga Priya.S | Suga Priya . S |
| 17. | K15CS051 | 821115104051 | Swarnaprabaa.P | P. Swarnaprabaa |
| 18. | K15CS053 | 821115104053 | Thenmozhi.P | Thenmozhi.P |
| 19. | K15CS055 | 821115104055 | Vidhya.A | A. Vidhya, |
| 20. | K15CS056 | 821115104056 | Vipoosh.V | V. Vipoosh |
| 21. | KL16CS001 | 821115104304 | Buvaneshwari.S | Buvaneshwari.S. |


Class co ordinator


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 - 19 ODD SEMESTER
CDC - REPORT
CS402- Python Programming

YEAR / SEM: IV / VII

TOTAL STRENGTH: 21

• SYLLABUS COVERAGE:

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 30 | 30 | 3 UNITS |

• FEEDBACK DETAILS:

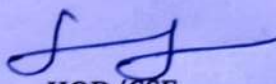
The expectations for taking the course by the student are:

| | |
|--|------|
| Q1.CDC Course satisfies your informative knowledge. | 79 |
| Q2.The staff was prepared for every CDC class | 77.3 |
| Q3.Staff used a variety of instructional method to reach the course objectives | 76.3 |
| Q4.Career related to the course learning outcomes. | 76 |
| Q5. Guidance given to the individual student by the staff | 76.5 |
| Total | 77 |

OUTCOME:

- Able to Read, write, execute by hand simple Python programs.
- Able to Structure simple Python programs for solving problems.
- Able to Decompose a Python program into functions.
- Able to represent compound data using Python lists, tuples, dictionaries.


COURSE COORDINATOR


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 - 19 EVEN SEMESTER
Assessment Procedure

- Staff members, it is to inform you that those who are handling CDC/KDC during this academic year 2018-19 even shall utilize the lab sessions to assess the understanding of respective courses you are handling.


Head of the Department

Copy to:

All CDC/KDC handling staff members



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2018 - 2019 / EVEN SEMESTER
CS303 - Communication Skill & Presentation Skill

Syllabus

| | |
|---|----------|
| Introduction to presentation | 3 |
| Common types of presentations and their purpose. | |
| Presentation at Technical Events | 4 |
| Technical- Content Presentation-Slide Preparation | |
| Presentation at Cultural Events | 4 |
| Introduction- Stage presentation | |
| Presentation at Crowd | 4 |
| Objective of presentation- do's and don'ts | |

Total Hours: 15

G. Ch
19/12/18
Course Incharge

S. J
19/12/18
HOD

S. M
19/12/2018
Principal



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2018 - 19 EVEN SEMESTER

CS303 - Communication Skill & Presentation Skill

Name List

| S.NO | REG.NO | NAME OF THE STUDENT | SIGNATURE |
|------|--------------|---------------------|------------------|
| 1 | 821116104001 | ABIRAMI. S | Abirami S |
| 2 | 821116104002 | ARAVINDH. S | S. Aravindh |
| 3 | 821116104003 | ARVIND SHIMA. P | Aravind .P |
| 4 | 821116104004 | BAGYA SRI. T | TBagyasri. |
| 5 | 821116104005 | BHARANI DHARAN. N | Bharani D |
| 6 | 821116104006 | BHARATHVAJ.N | Bharathi G |
| 7 | 821116104007 | EDWIN RAJ.K | Edwin Raj K. |
| 8 | 821116104008 | GAYATHIRI. R.R. | R.R. Gayathiri |
| 9 | 821116104009 | GIRIJA. S | Giriya . S |
| 10 | 821116104010 | HARITHA.M | M. Haritha |
| 11 | 821116104011 | KARTHIKA.K | K. Karthika . |
| 12 | 821116104012 | MAKESH.K | Makeesh. K |
| 13 | 821116104013 | MOHAMMED ABRARA | Muhammed |
| 14 | 821116104014 | NANDHINI. S | S. Nandhini |
| 15 | 821116104015 | NATHIYA. K | Nathiyai K |
| 16 | 821116104016 | NITHISH KUMAR. P | Nithish |
| 17 | 821116104017 | NITHIYA. R | Nithiya |
| 18 | 821116104018 | NIVASH. C | Nivash. C |
| 19 | 821116104019 | PAVITHRA.R | P. Pavithra |
| 20 | 821116104022 | PRAVEEN RAJ. S | Praveen Raj. S |
| 21 | 821116104023 | PRIYA. K | K. Priya |
| 22 | 821116104024 | PRIYADHARSHINI.S | Priyadharsini. S |

| | | | |
|----|--------------|-----------------------|-------------------------|
| 23 | 821116104025 | PRIYANKA. M | M. Priyanka |
| 24 | 821116104026 | RAKSHNAH BEGUM. MS | Begum. |
| 25 | 821116104027 | SAMBATH KUMAR.M | M. Sampath Kumar |
| 26 | 821116104028 | SAMEENA FARIJIZ. M | Faruq. M. |
| 27 | 821116104029 | SARANYA.V | V. Saranya |
| 28 | 821116104030 | SELVARANI. G | Selvarani |
| 29 | 821116104031 | SUBHIKSHA. M | Subhiksha. M. |
| 30 | 821116104032 | SURIYAPRAKASH. M | Suriyapraakash |
| 31 | 821116104033 | SURIYAPRIYA.P | Suriyapriya P. |
| 32 | 821116104034 | THAYUMANAVAN.K | K. Thayumanavan |
| 33 | 821116104035 | THILAGAVATHI. S | Thilagavathi |
| 34 | 821116104036 | THOORYAVAN.J | J. Thooryavan. |
| 35 | 821116104037 | VENKATESHWARAN. M | M. Venkateshwaran |
| 36 | 821116104038 | VENKATESWARAN. G | G. Venkateswaran |
| 37 | 821116104039 | VIDHYADAR.R | R. Vidhyadar |
| 38 | 821116104040 | VIGNESH.S | S. Vignesh |
| 39 | 821116104041 | YAZHTHILIPAN. I | Yazhthilipan. I. |
| 40 | 821116104702 | ANANTHAPATHMA PRIYA.A | Ananthapathma Priya. A. |
| 41 | 821116104701 | VINODHINI JOYCE. S | S. Vinodhini |


 STAFF INCHARGE
 19/12/18


 HOD/CSE
 19/12/18



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 - 19 EVEN SEMESTER
CDC - REPORT

CS303 - Communication Skill & Presentation Skill

YEAR / SEM: III / VI

TOTAL STRENGTH: 41

• **SYLLABUS COVERAGE:**

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|---------------------|
| 15 | 15 | 4 UNITS | All units Completed |

• **FEEDBACK DETAILS:**

The expectations for taking the course by the student are:

| | |
|--|-------------|
| Q1.CDC Course satisfies your informative knowledge. | 76.3 |
| Q2.The staff was prepared for every CDC class | 78 |
| Q3.Staff used a variety of instructional method to reach the course objectives | 75.2 |
| Q4.Career related to the course learning outcomes. | 78 |
| Q5. Guidance given to the individual student by the staff | 75 |
| Total | 75.7 |

OUTCOME:

- Able to improve the oral communication skill.
- Able to improve the written communication skill.
- Able to improve the listening and visual communication skill.


COURSE COORDINATOR


HOD/CSE



DEPARTMENT OF TRAINING AND PLACEMENT (Department of CSE)

ACADEMIC YEAR 2018-2019

CDC - QUANTITATIVE APTITUDE REASONING REPORT

The department of training and placement offered quantitative aptitude reasoning training sessions as a Competence Development Class along with the regular academic schedules of Odd Semester for the students of IV year computer science engineering. Program goals include developing the students' abilities to match industry requirements in terms of analytical skills, a separate syllabus and course plan is prepared and distributed.

In the Academic Year 2018-2019, 30 hours of training have given to the final year students. To improve employability skills, the students are given intensive class room activities and homework.

ASSESSMENT PROCEDURE

- Analytical Skills will be assessed by conducting Multiple Choice Questions.
- The final year students will be required to participate in mock test in sample company question paper.

OUTCOME OF THE PROGRAM

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

- Analyze the concepts and formulae for various quantitative aptitude reasoning methods.
- Identify and apply the various shortcut methods to solve the problems in reasoning.
- Enough confidence and knowledge on approaching Reasoning related problems.


HOD / CSE 20/6/18


20/6/2018
PRINCIPAL



DEPARTMENT OF TRAINING AND PLACEMENT
(Department of Computer Science Engineering)
Academic Year 2018-2019 (ODD)
COMPETENCE DEVELOPMENT CLASS
CS 403- QUANTITATIVE APTITUDE REASONING
SYLLABUS
IV YEAR (Seventh Semester)

Module: 1

Reasoning – Definition and types reasoning problems-Problems from company question paper 6

Module: 2

Letter and symbol - Introduction, important condition and letter pattern and number pattern – Problems from company question paper. 6

Module: 3

Course of action – Definition – Variations and Problems from company question paper. 6

Module: 4

Statement and Assumption – Definition – working with different cases- Problems from company question paper. 6

Module: 5

Blood Relations – Definition – generation related problems on blood relation- Problems from company question paper. 6

Total Periods: 30


 STAFF INCHARGE


 HOD/CSE


 PRINCIPAL

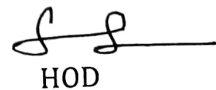
Department of Department of Computer Science and Engineering
ACADEMIC YEAR 2018-2019/ Odd Semester
CS 403- QUANTITATIVE APTITUDE REASONING
SYLLABUS

YEAR / SEM / SEC : IV - Year/ VII SEM / A

| S.No | Register Number | Student Name | signature |
|------|-----------------|-----------------------|------------------|
| 1 | 821115104001 | AARTHY M | M - Aarthiy |
| 2 | 821115104002 | ABINAYA A | A - Abinaya |
| 3 | 821115104003 | ABINAYA R | R - Abinaya |
| 4 | 821115104004 | ANANTHI R | Ananthi R. |
| 5 | 821115104005 | ANTHALAPRIYA A | A - Anthalapriya |
| 6 | 821115104006 | ANUSHA K | K. Anusha |
| 7 | 821115104007 | ARSCHANA U | U - Archana |
| 8 | 821115104008 | ATCHAYA A | A - Achaya |
| 9 | 821115104009 | BALA CHANDAR V | V - Balachanda |
| 10 | 821115104011 | DHIVYABHARATHI C | Dhivya bhathi |
| 11 | 821115104012 | DIVYA BHARATHI K | Divya |
| 12 | 821115104013 | ELAKKIYA M | M - Elakkiya |
| 13 | 821115104014 | FESTUS DEVAPRIYAN J.D | Festus |
| 14 | 821115104015 | GUNA K | Guna . k |
| 15 | 821115104016 | JACKULIN DAYANA A | Jackulin |
| 16 | 821115104017 | JAYAPRAKASH B | B - Jayaprakash |
| 17 | 821115104018 | KARTHIKA P | P - Karthika |
| 18 | 821115104019 | KARTHIKEYAN C | Karthikeyan.c |
| 19 | 821115104020 | KAYALVIZHI S | Kalayvizhi |
| 20 | 821115104022 | KRITHIKA M | KM |
| 21 | 821115104023 | MANIMOZHI K | K - manimozhi |
| 22 | 821115104024 | MEIMOZHI B | B. Meimozhi |
| 23 | 821115104025 | MIRUNALINI S | S - mirunalini |
| 24 | 821115104026 | MOHAMMED ALI MJ | Mohammed Ali MJ |
| 25 | 821115104027 | MOHAN KUMAAR S | S. Mohan Kumar |
| 26 | 821115104028 | NANDHA KUMAR S | S. Nandha |

| | | | |
|----|--------------|-----------------------|------------------|
| 27 | 821115104029 | NETHAJI TS | G Pavithra |
| 28 | 821115104030 | PAVITHA C | Pavithra C |
| 29 | 821115104031 | PAVITHRA M | Law |
| 30 | 821115104032 | PRAGADESHWARI M | Priyadharshini S |
| 31 | 821115104033 | PRIYADHARASHINI S | Priya |
| 32 | 821115104035 | RAGUL R | R.R |
| 33 | 821115104036 | RAJALAKSHMI A | Raja Lakshmi A |
| 34 | 821115104037 | RAJAVARSHINI B | Rajavarshini B |
| 35 | 821115104039 | RAWLA AFRIN S | Afrin S |
| 36 | 821115104040 | SAMAYA G | G. Samaya |
| 37 | 821115104041 | SANTHOSH RAM D | Santhosh |
| 38 | 821115104043 | SATHYA M | M. Sathya |
| 39 | 821115104044 | SHIYAMALA B | B. Shiyamala |
| 40 | 821115104045 | SIVABALAN R | Siva |
| 41 | 821115104046 | SOWMIYA P | P. Sowmya |
| 42 | 821115104047 | SUBASH CHANDRA BOSS R | Subash |
| 43 | 821115104048 | SUGAPRIYA S | Sugapriya |
| 44 | 821115104049 | SURYA V | V. Surya |
| 45 | 821115104051 | SWARNA PRABAA P | Swarna |
| 46 | 821115104052 | TAMILARASAN M | Tamil. |
| 47 | 821115104053 | THENMOZHI p | Thenmozhi P |
| 48 | 821115104054 | VEERAMANI T | Veer |
| 49 | 821115104055 | VIDHYA A | V. Vidhya |
| 50 | 821115104056 | VIPOOSH V | Vipesh |
| 51 | 821115104057 | YAMUNA K | K. Yamuna |
| 52 | 821115104058 | YUVALAKSHMIPRIYA S | Yamuna |
| 53 | 821115104301 | BUVANESHWARI S | B.S. |
| 54 | 821115104302 | CHAKKARAVARTHI G | Chakkar |
| 55 | 821115104502 | PRADEEP E | E. Pradeep |


STAFF INCHARGE


HOD



Department of Computer Science Engineering
Academic Year 2018-2019 (ODD)

CS 404- TECHNICAL APTITUDE
SYLLABUS
IV YEAR (Seventh Semester)

Module: 1

C-Programming – Declarations, Initializations and Assignments – Basic I/O Function, Data Types - C printf - Operators - C Bitwise Operators - Cast Type – Switch. 5

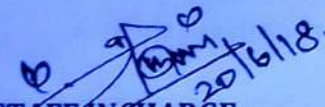
Module: 2

Data structure - Introduction, Array/List - Linked List - Hash Tables – Queue – Stack - Trees (Binary)- Graphs. 5

Module: 3

Algorithms – Definition – sorting, selection, and searching algorithms, standard data structures: arrays, stacks, queues, trees, heaps, binary search trees, and graphs. 5

Total Periods: 15


STAFF INCHARGE
20/6/18.


HOD/CSE
20/6/18


PRINCIPAL
20/6/2018

Department of Department of Computer Science and Engineering
ACADEMIC YEAR 2018-2019/ Odd Semester
CS 404- TECHNICAL APTITUDE
SYLLABUS

YEAR / SEM / SEC : IV - Year/ VII SEM / A

| S.No | Register Number | Student Name | signature |
|------|-----------------|-----------------------|---------------------|
| 1 | 821115104001 | AARTHY M | M. Aarthay |
| 2 | 821115104002 | ABINAYA A | A. Abinaya |
| 3 | 821115104003 | ABINAYA R | R. Abinaya |
| 4 | 821115104004 | ANANTHI R | R. Ananthi |
| 5 | 821115104005 | ANTHALAPRIYA A | A - Anthalmiya |
| 6 | 821115104006 | ANUSHA K | K. Anusha |
| 7 | 821115104007 | ARSCHANA U | U. Archana |
| 8 | 821115104008 | ATCHAYA A | A. Atchaya |
| 9 | 821115104009 | BALA CHANDAR V | V. Balachand |
| 10 | 821115104011 | DHIVYABHARATHI C | Dhivya bharithi |
| 11 | 821115104012 | DIVYA BHARATHI K | Dhivya |
| 12 | 821115104013 | ELAKKIYA M | M. Elakkiya |
| 13 | 821115104014 | FESTUS DEVAPRIYAN J.D | Festus |
| 14 | 821115104015 | GUNA K | Guna.k |
| 15 | 821115104016 | JACKULIN DAYANA A | Dayana A |
| 16 | 821115104017 | JAYAPRAKASH B | B. JayaPrakash |
| 17 | 821115104018 | KARTHIKA P | P. Karthika |
| 18 | 821115104019 | KARTHIKEYAN C | Karthikeyan.c |
| 19 | 821115104020 | KAYALVIZHI S | Kalayvizhi |
| 20 | 821115104022 | KRITHIKA M | K.M. |
| 21 | 821115104023 | MANIMOZHI K | K. Manimozhi |
| 22 | 821115104024 | MEIMOZHI B | B. Meimozhi |
| 23 | 821115104025 | MIRUNALINI S | S. Mirunalini |
| 24 | 821115104026 | MOHAMMED ALI MJ | M. Muhammed Ali M.J |
| 25 | 821115104027 | MOHAN KUMAAR S | S. Mohan Kumar |
| 26 | 821115104028 | NANDHA KUMAR S | S. Nandha |
| 27 | 821115104029 | NETHAJI TS | Neethaj.T.S |

| | | | |
|----|--------------|-----------------------|-----------------|
| 28 | 821115104030 | PAVITHA C | C. Pavithra |
| 29 | 821115104031 | PAVITHRA M | Pavithra C |
| 30 | 821115104032 | PRAGADESHWARI M | M. Pr. |
| 31 | 821115104033 | PRIYADHARASHINI S | Priyadharsini S |
| 32 | 821115104035 | RAGUL R | R. R. |
| 33 | 821115104036 | RAJALAKSHMI A | Rajalaxmi A |
| 34 | 821115104037 | RAJAVARSHINI B | Rajavarshini B |
| 35 | 821115104039 | RAWLA AFRIN S | Afrin S |
| 36 | 821115104040 | SAMAYA G | G. Samaya |
| 37 | 821115104041 | SANTHOSH RAM D | Santhosh |
| 38 | 821115104043 | SATHYA M | M. S. |
| 39 | 821115104044 | SHIYAMALA B | Shyamala |
| 40 | 821115104045 | SIVABALAN R | Siva |
| 41 | 821115104046 | SOWMIYA P | P. Sowmya |
| 42 | 821115104047 | SUBASH CHANDRA BOSS R | Subash |
| 43 | 821115104048 | SUGAPRIYA S | Sugapriya |
| 44 | 821115104049 | SURYA V | V. Surya |
| 45 | 821115104051 | SWARNA PRABAA P | Swarna |
| 46 | 821115104052 | TAMILARASAN M | Tamil. |
| 47 | 821115104053 | THENMOZHI p | Thenmozhi, P |
| 48 | 821115104054 | VEERAMANI T | Veele |
| 49 | 821115104055 | VIDHYA A | N. Vidhya |
| 50 | 821115104056 | VIPOOSH V | V. Poosh V |
| 51 | 821115104057 | YAMUNA K | K. Yamuna |
| 52 | 821115104058 | YUVALAKSHMIPRIYA S | Yamunipriya |
| 53 | 821115104301 | BUVANESHWARI S | Buwa |
| 54 | 821115104302 | CHAKKARAVARTHI G | Chack |
| 55 | 821115104502 | PRADEEP E | E. Pradeep |

STAFF IN CHARGE

HOD



Department of Computer Science Engineering
Academic Year 2018-2019 (ODD)

CS 404- TECHNICAL APTITUDE

YEAR / SEM: IV / VIII

TOTAL STRENGTH: 55

• SYLLABUS COVERAGE:

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 15 | 15 | 3 UNITS |

• FEEDBACK DETAILS:

The expectations for taking the course by the student are:

| | |
|-----------------------------------|-----|
| Enhance the skill base | 52% |
| Get exposed to a relevant subject | 22% |
| Curiosity | 8% |
| Better Employment Opportunity | 18% |

• OUTCOME:

- Able to solve simple apti problems in C basics.
- Able to solve apti problems from Data structures.
- Able to simple problems from algorithms.


COURSE COORDINATOR


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 - 19 EVEN SEMESTER
Assessment Procedure

- Dear students, it is to inform you that the following assessment procedure will be conducted to assess your **My Credit Courses (MCC)** courses during the academic year 2018-19 even semesters.
- Students are instructed to follow the procedure.
 - Two assessment tests will be conducted.
 - Both assessment tests will be conducted for 100 marks.
 - The assessment test will be conducted in **MCQ/written/Practical** examinations.

Exam Pattern

Total Marks: 100

MCQ Based Question Paper:

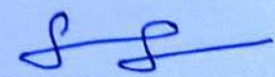
50*1=50 Marks

1*50=50 Marks

Written Based Question Paper:

5*20=100 Marks


Coordinator


Head of the Department

CS405 PROBLEM SOLVING AND PYTHON PROGRAMMING**UNIT I - ALGORITHMIC PROBLEM SOLVING**

9

Algorithms, building blocks of algorithms (statements, state, control flow, functions), notation (pseudo code, flow chart, programming language), algorithmic problem solving, simple strategies for developing algorithms (iteration, recursion). Illustrative problems: find minimum in a list, insert a card in a list of sorted cards, guess an integer number in a range, Towers of Hanoi

UNIT II - DATA, EXPRESSIONS, STATEMENTS

9

Python interpreter and interactive mode; values and types: int, float, boolean, string, and list; variables, expressions, statements, tuple assignment, precedence of operators, comments; modules and functions, function definition and use, flow of execution, parameters and arguments; Illustrative programs: exchange the values of two variables, circulate the values of n variables, distance between two points.

UNIT III - CONTROL FLOW, FUNCTIONS

9

Conditionals: Boolean values and operators, conditional (if), alternative (if-else), chained conditional (if-elif-else); Iteration: state, while, for, break, continue, pass; Fruitful functions: return values, parameters, local and global scope, function composition, recursion; Strings: string slices, immutability, string functions and methods, string module; Lists as arrays. Illustrative programs: square root, gcd, exponentiation, sum an array of numbers, linear search, binary search.

UNIT IV - LISTS, TUPLES, DICTIONARIES

9

Lists: list operations, list slices, list methods, list loop, mutability, aliasing, cloning lists, list parameters; Tuples: tuple assignment, tuple as return value; Dictionaries: operations and methods; advanced list processing - list comprehension; Illustrative programs: selection sort, insertion sort, mergesort, histogram.

UNIT V - FILES, MODULES, PACKAGES

9

Files and exception: text files, reading and writing files, format operator; command line arguments, errors and exceptions, handling exceptions, modules, packages; Illustrative programs: word count, copy file

TOTAL: 45 PERIODS

P.M.S
19/12/18
SIGNATURE OF STAFF INCHARGE

J. Monu
19/12/2018
PRINCIPAL

S.S
19/12/18
HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 - 19 EVEN SEMESTER
MY CREDIT COURSE CS405-PYTHON PROGRAMMING
ASSESSMENT 1 ATTENDANCE

CLASS/SEM:IV/VIII

| R.NO | STUDENT NAME | SIGNATURE |
|------|-----------------------|-----------------------|
| 1. | Aarthi.M | Aarthi.M |
| 2. | Abinaya.R | Abinaya.R |
| 3. | Anandhi.R | Anandhi.R |
| 4. | Anthalapriya.A | Anthalapriya.A |
| 5. | Arschana.U | Arschana.U |
| 6. | Atchaya.A | Atchaya.A |
| 7. | Balachandar.V | Balachandar.V |
| 8. | Dhivyabharathi.C | Dhivyabharathi.C |
| 9. | Divya bharathi.K | Divya bharathi.K |
| 10. | Elakkiya.M | Elakkiya.M |
| 11. | Festus Devapriyan.J.D | Festus Devapriyan.J.D |
| 12. | Jaquin Diana.A | Jaquin Diana.A |
| 13. | Karthika.P | Karthika.P |
| 14. | Manimozhi.K | Manimozhi.K |
| 15. | Mirunalini.S | Mirunalini.S |
| 16. | Mohan Kumar.S | Mohan Kumar.S |
| 17. | Pavithira.M | Pavithira.M |
| 18. | Rajalakshmi.A | Rajalakshmi.A |
| 19. | Rawla Afrin.S | Rawla Afrin.S |
| 20. | Santhosh ram.D | Santhosh ram.D |
| 21. | Sathya.M | Sathya.M |
| 22. | Shiyamala.B | Shiyamala.B |
| 23. | Sugapriya.S | Sugapriya.S |
| 24. | Surya.V | Surya.V |
| 25. | Swarnaprabaa.P | Swarnaprabaa.P |
| 26. | Thenmozhi.P | Thenmozhi.P |
| 27. | Vidhya.A | Vidhya.A |
| 28. | Vipoosh.V | Vipoosh.V |
| 29. | Yuvalakshmi Priya.S | Yuvalakshmi Priya.S |
| 30. | Buvaneshwari.S | Buvaneshwari.S |

P.M.S
COURSE COORDINATOR



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 - 19 ODD SEMESTER
MY CREDIT COURSE - REPORT
CS405 - PYTHON PROGRAMMING

YEAR / SEM: IV / VIII

TOTAL STRENGTH: 30

• SYLLABUS COVERAGE:

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 45 | 45 | 5 UNITS |

• ASSESSMENT TEST PERFORMANCE:

| TEST | NO OF UNITS | NO OF STUDENTS ATTENDED | NO OF STUDENTS PASSED | PASS % |
|-------|-------------|-------------------------|-----------------------|--------|
| AT-I | 1&1/2 Units | 30 | 30 | 100% |
| AT-II | 5 Units | 30 | 30 | 100% |

• FEEDBACK DETAILS:


The expectations for taking the course by the student are:

| | |
|--|-------|
| Procedure of experiments explained clearly | 97% |
| Support provided during lab sessions for completing experiments. | 94.8% |
| Session stimulates expansion of knowledge / Skill. | 97% |
| Opportunity for questions and discussions. | 98.5% |
| Course usefulness for real time implementation | 97% |
| Total | 96.8% |

• OUTCOME:

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

- Develop algorithmic solutions to simple computational problems
- Read, write, execute by hand simple Python programs.
- Structure simple Python programs for solving problems.
- Decompose a Python program into functions.
- Represent compound data using Python lists, tuples, dictionaries.


COURSE COORDINATOR
(Ms.P.NALAYINI)


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**ACADEMIC YEAR 2018-2019 / EVEN SEMESTER
MYCREDIT COURSE SYLLABUS**

WDD01-WEB DESIGNING AND DEVELOPMENT

UNIT-I PHOTOSHOP CS6

9

Introduction - Photoshop Basics - Working with layers - channels and masks - Retouching - Selection and cutouts - Brochure Designing - Design banners for Website - Photo Manipulation - Preparing files for the web - Real-time Website Layout Design.

UNIT-II MACROMEDIA FLASH

9

Introduction - Working in Flash - Drawing With Flash - Basic animation - Working in the timeline - Working with symbols - Shape tween - Intro to motion guide - Mask Layers - Button Intro - Intro to scripting - Button and Action scripting for projects - Bouncing ball - Adding Sound - Importing graphics files - Publishing flash content to the web.

UNIT- III HTML

9

Introduction - Html Documents - Html Tags - Elements of Html: Text, Lists, Tables and Frames, Hyperlinks, Image and Multimedia, Forms and controls - Cascading Style Sheets: Concept of CSS - Creating Style sheet - CSS Properties - CSS Styling - CSS Id and Class - CSS Color - Creating page layout and Site Designs - Web Publishing or Hosting: Creating the Website - saving the website - Working on the website - Creating web site structure - creating title for web pages - Themes publishing web sites.

UNIT - IV PHP

9

Php installation and introduction - Loops - String Functions in php - Php basics, variables - Arrays in php with Attributes - Date & Time, Image uploading - File handling in php - Functions in php.

UNIT - V Introduction to python programming

9

Installing python - Hello World! - Data types and variables - Python input and output - Making - decisions - if statements - Repetition - While loops - For loops - Iterators - List Comprehensions - Functions - Scope-variable - Modules - Object oriented programming - Inheritance - Exception handing - Using data Structures- list, tuples, dictionaries.

TOTAL PERIOD : 45

SIGNATURE OF STAFF INCHARGE

HOD/CSE

J. M. M. M.
17/12/2018
PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2018 - 2019 / EVEN SEMESTER

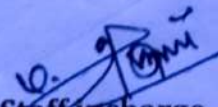
YEAR / SEM: IV / VIII

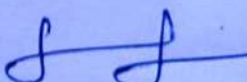
CS 406-WEB DESIGNING

Staff Incharge: M.Arun

Assessment Test-1
Attendance Sheet

| S.NO | REGISTER NUMBER | STUDENT NAME | SIGNATURE |
|------|-----------------|-----------------------|---------------------|
| 1. | 821115104002 | Abinaya.A | A. Abinaya |
| 2. | 821115104006 | Anusha.K | Anusha |
| 3. | 821115104015 | Guna.K | G. Guna |
| 4. | 821115104017 | Jayaprakash.B | Jayaprakash |
| 5. | 821115104019 | Karthikeyan.C | Karthikeyan |
| 6. | 821115104020 | Kayalvizhi.S | Kayalvizhi |
| 7. | 821115104022 | Krithika.M | Krithika |
| 8. | 821115104024 | Meimozhi.B | B. Meimozhi |
| 9. | 821115104026 | Mohamed Ali.M.J | Mohamed Ali |
| 10. | 821115104028 | Nandhakumar.S | Nandhakumar |
| 11. | 821115104029 | Nethaji.T.S | T.S. Nethaji |
| 12. | 821115104030 | Pavitha.C | Pavitha |
| 13. | 821115104032 | Pragadeshwari.M | Pragadeshwari |
| 14. | 821115104033 | Priyadharashini.S | Priyadharashini |
| 15. | 821115104035 | Ragul.R | Ragul |
| 16. | 821115104037 | Rajavarshini.B | Rajavarshini |
| 17. | 821115104040 | Samaya.G | Gt. Samaya |
| 18. | 821115104045 | Sivabalan.R | R. Sivabalan |
| 19. | 821115104046 | Sowmiya.P | P. Sowmiya |
| 20. | 821115104047 | Subash Chandra Bose.R | Subash Chandra Bose |
| 21. | 821115104052 | Tamilarasan.M | Tamilarasan |
| 22. | 821115104054 | Veeramani. T | T. Veeramani |
| 23. | 821115104057 | Yamuna.K | Yamuna |
| 24. | 821115104302 | Chakkravarthy G | Chakkravarthy |
| 25. | 821115104502 | Pradeep.E | E. Pradeep |


Staff Incharge
M. ARUN


HOD/CSE



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2018 - 19 EVEN SEMESTER**

**CDC - REPORT
WEB DESIGNING AND DEVELOPMENT**

YEAR / SEM: IV / VIII

TOTAL STRENGTH: 25

• **SYLLABUS COVERAGE:**

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 50 | 50 | 5 UNITS |

• **ASSESSMENT TEST PERFORMANCE:**

| TEST | NO OF UNITS | NO OF STUDENTS ATTENDED | NO OF STUDENTS PASSED | PASS % |
|-------|-------------|-------------------------|-----------------------|--------|
| AT-I | 2.5 Units | 25 | 25 | 100% |
| AT-II | 5 Units | 25 | 25 | 100% |

• **FEEDBACK DETAILS:**

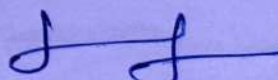
The expectations for taking the course by the student are:

| | |
|---|-------------|
| Procedure of experiments explained clearly | 94.8 |
| Support provided during lab sessions for completing experiments | 94.1 |
| Session stimulates expansion of knowledge / Skill. | 94.8 |
| Opportunity for questions and discussions | 91 |
| Course usefulness for real time implementation | 91.5 |
| OVERALL: | 92.5 |

• **OUTCOME:**

- Able to Design Photoshop works.
- Able to design their own website.
- Able to Understand the fundamentals of animation using Macro media flash.


COURSE COORDINATOR


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
1.2.2 Add on Courses/NPTEL/SWAYAM / MCC Summary

| S.No | Name of Add on /Certificate programs offered | Course Code (if any) | Duration of course | Number of students enrolled in the year | Number of Students completing the course in the year |
|---|--|----------------------|--------------------|---|--|
| Academic Year 2017-2018 (ODD & EVEN) | | | | | |
| 1. | Mini Project - II YR | MP | 30 hrs | 45 | 44 |
| 2. | GATE / Competitive Exam - III YR | GATE/CE | 30 hrs | 58 | 58 |
| 3. | Web Designing & Development - IV YR | WDD001 | 50hrs | 17 | 17 |
| 4. | Android App Development- IV YR | MAD001 | 45 hrs | 17 | 17 |



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2017 - 2018 / ODD SEMESTER

Mini Project Syllabus

UNIT-1

10

Introduction to C++, C++ Data Types, Variable Types, Modifier Types, Constants and Literals, Operators.

UNIT-2

10

Loop Types, Decision Making, Functions, Strings, Arrays and Pointers.

UNIT-3

10

Classes and Objects, Inheritance- Polymorphism, Function Overloading- Friend functions Constructor and its types.

Total Hours: 30

R. R. S.
21/6/17
Course Incharge

J. S.
21/6/17
HOD

J. M.
22/6/2017
Principal



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2017 - 2018 / EVEN SEMESTER

Attendance Sheet

YEAR / SEM: II / IV

Mini - Project.

| R.NO | REGISTER NUMBER | STUDENT NAME | SIGNATURE |
|------|-----------------|--------------------|--------------------------|
| 1. | 821116104001 | ABIRAMI. S | <i>Abirami S</i> |
| 2. | 821116104002 | ARAVINDH. S | <i>Aravindh S</i> |
| 3. | 821116104003 | ARVIND SHIMA. P | <i>Arvind Shima P</i> |
| 4. | 821116104004 | BAGYA SRI. T | <i>Bagya Sri T</i> |
| 5. | 821116104005 | BHARANI DHARAN. N | <i>Bharani Dharan N</i> |
| 6. | 821116104006 | BHARATHVAJ.N | <i>Bharathvaj N</i> |
| 7. | 821116104007 | EDWIN RAJ.K | <i>Edwin Raj K</i> |
| 8. | 821116104008 | GAYATHIRI. R.R. | <i>R.R. Gayathri</i> |
| 9. | 821116104009 | GIRIJA. S | <i>Giriya S</i> |
| 10. | 821116104010 | HARITHA.M | <i>M. Haritha</i> |
| 11. | 821116104011 | KARTHIKA.K | <i>Karthika K</i> |
| 12. | 821116104012 | MAKESH.K | <i>Makeish K</i> |
| 13. | 821116104013 | MOHAMMED ABRAR.A | <i>Mohammed Abrar A</i> |
| 14. | 821116104014 | NANDHINI. S | <i>Nandhini S</i> |
| 15. | 821116104015 | NATHIYA. K | <i>Nathiya K</i> |
| 16. | 821116104016 | NITHISH KUMAR. P | <i>Nithish Kumar P</i> |
| 17. | 821116104017 | NITHIYA. R | <i>Nithiya R</i> |
| 18. | 821116104018 | NIVASH. C | <i>Nivash C</i> |
| 19. | 821116104019 | PAVITHRA.R | <i>Pavithra R</i> |
| 20. | 821116104021 | PRATHEEPA. M | <i>Pratheepa M</i> |
| 21. | 821116104022 | PRAVEEN RAJ. S | <i>Praveen Raj S</i> |
| 22. | 821116104023 | PRIYA. K | <i>Priya K</i> |
| 23. | 821116104024 | PRIYADHARSHINI.S | <i>Priyadharshini S</i> |
| 24. | 821116104025 | PRIYANKA. M | <i>Priyanka M</i> |
| 25. | 821116104026 | RAKSHNAH BEGUM. MS | <i>Rakshnah Begum MS</i> |
| 26. | 821116104027 | SAMBATH KUMAR.M | <i>Sambath Kumar M</i> |
| 27. | 821116104028 | SAMEENA FARIJIZ. M | <i>Sameena Farjiz M</i> |
| 28. | 821116104029 | SARANYA.V | <i>Saranya V</i> |
| 29. | 821116104030 | SELVARANI. G | <i>Selvarani G</i> |
| 30. | 821116104031 | SUBHIKSHA. M | <i>Subhiksha M</i> |

| | | | |
|-----|--------------|-----------------------|-------------------|
| 31. | 821116104032 | SURIYAPRAKASH. M | M. Pruthi P |
| 32. | 821116104033 | SURIYAPRIYA.P | Surya Priya. P |
| 33. | 821116104034 | THAYUMANAVAN.K | Thayuman. K |
| 34. | 821116104035 | THILAGAVATHI. S | Thilagavathi. S |
| 35. | 821116104036 | THOYAVAN.J | Thoyavan. J |
| 36. | 821116104037 | VENKATESHWARAN. M | Venkateshwaran. M |
| 37. | 821116104038 | VENKATESWARAN. G | Venkateswaran. G |
| 38. | 821116104039 | VIDHYADAR.R | Vidhyadar. R |
| 39. | 821116104040 | VIGNESH.S | S. Vignesh |
| 40. | 821116104041 | YAZHTHILIPAN. I | Yazhthilipan. I |
| 41. | 821116104702 | ANANTHAPATHMA PRIYA.A | Ananthapathma. A |
| 42. | 821116104701 | VINODHINI JOYCE. S | Vinodhini. S |
| 43. | | PRA SATHI. J | - AB - |
| 44. | | DAVA SUBITCHA. S | - AB - |
| 45. | | BHUBANA PRIYA. A. | - AB - |

R. Pruthi
21/6/17
Coordinator

J. Pruthi
21/6/17
Head of the Department



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2017- 18 ODD SEMESTER**

CDC - REPORT

Mini Project

YEAR / SEM: II / III

TOTAL STRENGTH: 45

• **SYLLABUS COVERAGE:**

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 30 | 30 | 3 UNITS |

• **FEEDBACK DETAILS:**

The expectations for taking the course by the student are:

| | |
|---|-------------|
| Procedure of experiments explained clearly | 91.8 |
| Support provided during lab sessions for completing experiments | 94.1 |
| Session stimulates expansion of knowledge / Skill. | 92.8 |
| Opportunity for questions and discussions | 91.5 |
| Course usefulness for real time implementation | 91.5 |
| OVERALL: | 92.3 |

• **OUTCOME:**

- Able to understand the basic concept of C++.
- Able to write programs using arrays and functions.
- Able to write object oriented programs.

R. R. Iyer
COURSE COORDINATOR

[Signature]
HOD/CSE



KINGS
COLLEGE OF ENGINEERING
(NAAC Accredited Institution)
(Approved by AICTE, New Delhi, Affiliated to
Anna University, Chennai)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2017-2018 (EVEN SEMESTER)

SYLLABUS - GATE PREPARATION

STAFF INCHARGE: S.PUVANESWARI

YEAR / SEM : III / VI

UNIT - I DIGITAL LOGIC 6

Logic Gates – Boolean Expression – Minimization of Boolean Expression – Karnaugh's Map –
Number System – Conversion of Number System - Complements

UNIT - II DATABASE MANAGEMENT SYSTEM 6

Relational algebra – Functional Dependency - Normal Forms

UNIT - III COMPUTER ARCHITECTURE 6

Memory Architecture and Interface - Pipelining – Cache Memory

UNIT - IV THEORY OF COMPUTATION 6

Conversion of Regular Expression to DFA – Push Down Automata – Turing Machine

UNIT - V COMPILER DESIGN 6

Parsing – Left Factoring – Left Recursion – Computation of First and Follow - Top down Parsing

TOTAL: 30 PERIODS

S. Puvaneswari
17/12/18
STAFF INCHARGE

(S.PUVANESWARI)

J. Jeyaraj
17/12/18
HOD/CSE

J. Jeyaraj
17/12/2018
PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2017-18(EVEN)

Batch:2015-2019

Year/Sem:IV/VIII

GATE ATTENDED STUDENTS LIST

| R.NO | REGISTER NUMBER | STUDENT NAME | SIGNATURE |
|------|-----------------|-----------------------|-------------------|
| 1. | 821115104001 | Aarthy.M | M. Aarthy |
| 2. | 821115104002 | Abinaya.A | Abinaya.A |
| 3. | 821115104003 | Abinaya.R | Abinaya.R |
| 4. | 821115104004 | Anandhi.R | Anandhi.R |
| 5. | 821115104005 | Anthalapriya.A | A. Anthalapriya |
| 6. | 821115104006 | Anusha.K | Anusha |
| 7. | 821115104007 | Arschana.U | Arschana.U |
| 8. | 821115104008 | Atchaya.A | Atchaya.A |
| 9. | 821115104009 | Balachandar.V | V. Balachandar |
| 10. | 821115104011 | Dhivyabharathi.C | C. Dhivyabharathi |
| 11. | 821115104012 | Divya bharathi.K | C. Divya |
| 12. | 821115104013 | Elakkiya.M | M. Elakkiya |
| 13. | 821115104014 | Festus Devapriyan.J.D | J.D. Festus |
| 14. | 821115104015 | Guna.K | Guna |
| 15. | 821115104016 | Jaquelin Diana.A | Jaquelin |
| 16. | 821115104017 | Jayaprakash.B | Jayaprakash.B |
| 17. | 821115104018 | Karthika.P | Karthika |
| 18. | 821115104019 | Karthikeyan.C | C. Karthikeyan |
| 19. | 821115104020 | Kayalvizhi.S | S. Kayalvizhi |
| 20. | 821115104022 | Krithika.M | Krithika.M |
| 21. | 821115104023 | Manimozhi.K | manimozhi |
| 22. | 821115104024 | Meimozhi.B | meimozhi.B |
| 23. | 821115104025 | Mirunalini.S | mirunalini |
| 24. | 821115104026 | Mohamed Ali.M.J | mohamed |
| 25. | 821115104027 | Mohan Kumar.S | S. mohankumar |
| 26. | 821115104028 | Nandhakumar.S | S. Nandhakumar |
| 27. | 821115104029 | Nethaji.T.S | Nethaji.T.S |
| 28. | 821115104030 | Pavitha.C | Pavitha.C |
| 29. | 821115104031 | Pavithra.M | M. Pavithra |
| 30. | 821115104032 | Pragadeshwari.M | M. Pragadeshwari |

| R.NO | REGISTER NUMBER | STUDENT NAME | SIGNATURE |
|------|-----------------|----------------------|-----------------------|
| 31. | 821115104033 | Priyadharashini.S | S. Priyadharashini |
| 32. | 821115104035 | Ragul.R | R. Ragul |
| 33. | 821115104036 | Rajalakshmi.A | A. Rajalakshmi |
| 34. | 821115104037 | Rajavarshini.B | B. Rajavarshini |
| 35. | 821115104039 | Rawla Afrin.S | Afrin.S |
| 36. | 821115104040 | Samaya.G | G. Samaya |
| 37. | 821115104041 | Santhosh ram.D | D. Santhosh ram |
| 38. | 821115104043 | Sathya.M | M. Sathya |
| 39. | 821115104044 | Shiyamala.B | B. Shiyamala |
| 40. | 821115104045 | Sivabalan.R | R. Sivabalan |
| 41. | 821115104046 | Sowmiya.P | P. Sowmiya |
| 42. | 821115104047 | Subash Chandra Bos.R | R. Subash Chandra Bos |
| 43. | 821115104048 | Sugapriya.S | S. Sugapriya |
| 44. | 821115104049 | Surya.V | V. Surya |
| 45. | 821115104051 | Swarnaprabaa.P | P. Swarnaprabaa |
| 46. | 821115104052 | Tamilarasan.M | M. Tamilarasan |
| 47. | 821115104053 | Thenmozhi.P | P. Thenmozhi |
| 48. | 821115104054 | Veeramani. T | T. Veeramani |
| 49. | 821115104055 | Vidhya.A | A. Vidhya |
| 50. | 821115104056 | Vipoosh.V | V. Vipoosh |
| 51. | 821115104057 | Yamuna.K | K. Yamuna |
| 52. | 821115104058 | Yuvalakshmi Priya.S | S. Yuvalakshmi Priya |
| 53. | 821115104301 | Buvaneshwari.S | S. Buvaneshwari |
| 54. | 821115104302 | Chakkravarthy G | G. Chakkravarthy |
| 55. | 821115104502 | Pradeep.E | E. Pradeep |

56. 821115104538 Ranjith A
57. 821115104050 Sushmanj
58. 821115104301 Ananth.S.

A. Ranjith
T. Sushmanj
S. Ananth

S. P. [Signature]
Gate Dept.co ordinator



KINGS
COLLEGE OF ENGINEERING
(NAAC Accredited Institution)
(Approved by AICTE, New Delhi, Affiliated to
Anna University, Chennai)



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CERT
ISO 9001

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE PLAN - GATE

Branch / Year / Sem : B.E CSE / III / VI

Sub.Name: GATE


Staff Name : Mr.K.Rajesh & Ms.R.Suganthalakshmi

Academic Year: 2017-2018(Odd)

GATE SYLLABUS

Total: 30 Periods

- 1. Introduction about GATE Exam** 1
- 2. Programming & Data Structures** 5
Arrays, stacks, queues, linked lists, trees, binary search trees, graphs.
- 3. Computer Networks** 5
Concept of layering, LAN technologies (Ethernet), Flow and error control techniques, switching, IPv4/IPv6, routers and routing algorithms (distance vector, link state), Application layer protocols (DNS, SMTP, POP, FTP, HTTP).
- 4. Computer Organization and Architecture** 5
Machine instructions and addressing modes, ALU, data-path and control unit, Instruction pipelining, Memory hierarchy: cache, main memory and secondary storage, I/O interface (interrupt and DMA mode).
- 5. Operating System** 4
Processes, threads, inter-process communication, concurrency and synchronization, Deadlock, CPU scheduling, Memory management and virtual memory, File systems.
- 6. General Aptitude** 5
Numerical ability - Verbal ability
- 7. Mock Test** 1


DEPT. GATE COORDINATOR


HOD/CSE


PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2017-18(ODD)

Batch:2015-2019

Year/Sem:IV/VIII

GATE ATTENDED STUDENTS LIST

| R.NO | REGISTER NUMBER | STUDENT NAME | SIGNATURE |
|------|-----------------|-----------------------|-------------------|
| 1. | 821115104001 | Aarthy.M | M. Aarthy |
| 2. | 821115104002 | Abinaya.A | Abinaya.A |
| 3. | 821115104003 | Abinaya.R | Abinaya.R |
| 4. | 821115104004 | Anandhi.R | Anandhi.R |
| 5. | 821115104005 | Anthalapriya.A | A. Anthalapriya |
| 6. | 821115104006 | Anusha.K | Anusha |
| 7. | 821115104007 | Arschana.U | Arschana.U |
| 8. | 821115104008 | Atchaya.A | Atchaya.A |
| 9. | 821115104009 | Balachandar.V | V. Balachandar |
| 10. | 821115104011 | Dhivyabharathi.C | C. Dhivyabharathi |
| 11. | 821115104012 | Divya bharathi.K | C. Divya |
| 12. | 821115104013 | Elakkiya.M | E. Elakkiya |
| 13. | 821115104014 | Festus Devapriyan.J.D | J.D. Festus |
| 14. | 821115104015 | Guna.K | Guna.K |
| 15. | 821115104016 | Jaquin Diana.A | Jaquin Diana.A |
| 16. | 821115104017 | Jayaprakash.B | Jayaprakash |
| 17. | 821115104018 | Karthika.P | Karthika |
| 18. | 821115104019 | Karthikeyan.C | C. Karthikeyan |
| 19. | 821115104020 | Kayalvizhi.S | S. Kayalvizhi |
| 20. | 821115104022 | Krithika.M | Krithika.M |
| 21. | 821115104023 | Manimozhi.K | Manimozhi |
| 22. | 821115104024 | Meimozhi.B | Meimozhi.B |
| 23. | 821115104025 | Mirunalini.S | Mirunalini |
| 24. | 821115104026 | Mohamed Ali.M.J | Mohamed Ali |
| 25. | 821115104027 | Mohan Kumar.S | S. Mohan |
| 26. | 821115104028 | Nandhakumar.S | S. Nandhakumar |
| 27. | 821115104029 | Nethaji.T.S | Nethaji.T.S |
| 28. | 821115104030 | Pavitha.C | Pavitha.C |
| 29. | 821115104031 | Pavithira.M | M. Pavithira |
| 30. | 821115104032 | Pragadeshwari.M | M. Pragadeshwari |

| R.NO | REGISTER NUMBER | STUDENT NAME | SIGNATURE |
|------|-----------------|----------------------|-----------------------|
| 31. | 821115104033 | Priyadharashini.S | S. Priyadharashini. |
| 32. | 821115104035 | Ragul.R | R. Ragul |
| 33. | 821115104036 | Rajalakshmi.A | A. Rajalakshmi |
| 34. | 821115104037 | Rajavarshini.B | B. Rajavarshini |
| 35. | 821115104039 | Rawla Afrin.S | Afrin.S |
| 36. | 821115104040 | Samaya.G | G. Samaya |
| 37. | 821115104041 | Santhosh ram.D | D. Santhosh ram |
| 38. | 821115104043 | Sathya.M | M. Sathya |
| 39. | 821115104044 | Shiyamala.B | B. Shiyamala |
| 40. | 821115104045 | Sivabalan.R | R. Sivabalan |
| 41. | 821115104046 | Sowmiya.P | P. Sowmiya |
| 42. | 821115104047 | Subash Chandra Bos.R | R. Subash Chandra Bos |
| 43. | 821115104048 | Sugapriya.S | S. Sugapriya |
| 44. | 821115104049 | Surya.V | V. Surya |
| 45. | 821115104051 | Swarnaprabaa.P | P. Swarnaprabaa |
| 46. | 821115104052 | Tamilarasan.M | M. Tamilarasan |
| 47. | 821115104053 | Thenmozhi.P | P. Thenmozhi |
| 48. | 821115104054 | Veeramani. T | T. Veeramani |
| 49. | 821115104055 | Vidhya.A | A. Vidhya |
| 50. | 821115104056 | Vipoosh.V | V. Vipoosh |
| 51. | 821115104057 | Yamuna.K | K. Yamuna |
| 52. | 821115104058 | Yuvalakshmi Priya.S | S. Yuvalakshmi Priya |
| 53. | 821115104301 | Buvaneshwari.S | S. Buvaneshwari |
| 54. | 821115104302 | Chakkravarthy G | G. Chakkravarthy |
| 55. | 821115104502 | Pradeep.E | E. Pradeep |

56. 821115104301, Adanth.S
57. 821115104303 Navren.N
58. 821115104534 Priyanka.S

S. Ananth
N. Navren
S. Priya

Gate Dept. coordinator



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2017 - 18 SEMESTER

GATE/CE- REPORT

YEAR / SEM: III/VII

TOTAL STRENGTH: 58

SUMMARY

SYLLABUS COVERAGE

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|----------------------------|-----------------------------|------------------------------|----------------|
| 30 | 30 | 5 | - |

OUTCOME

- Given coaching for 58 students.
- 7 students appeared in GATE examination
- Can able to attend competitive exams and government exams
- Supportive in doing higher studies in reputed institutions
- Beneficial in seeking a job in MNC.


Gate DEPT. COORDINATOR 30/3/18


HOD/CSE 30/3/18



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2017 - 18 EVEN SEMESTER
Assessment Procedure

- Dear students, it is to inform you that the following assessment procedure will be conducted to assess your **My Credit Courses (MCC)** courses during the academic year 2017-18 even semesters.
- Students are instructed to follow the procedure.
 - Two assessment tests will be conducted.
 - Both assessment tests will be conducted for 100 marks.
 - The assessment test will be conducted in **MCQ/written/Practical** examinations.

Exam Pattern

Total Marks: 100

MCQ Based Question Paper:

50*1=50 Marks

1*50=50 Marks

Written Based Question Paper:

5*20=100 Marks


Coordinator


Head of the Department



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2017 - 2018 / EVEN SEMESTER

MYCREDIT COURSE SYLLABUS

WDD01-WEB DESIGNING AND DEVELOPMENT

UNIT-I PHOTOSHOP CS6

10

Introduction - Photoshop Basics - Working with layers - channels and masks - Retouching - Selection and cutouts - Brochure Designing - Design banners for Website - Photo Manipulation - Preparing files for the web - Real-time Website Layout Design.

UNIT-II MACROMEDIA FLASH

10

Introduction - Working in Flash - Drawing With Flash - Basic animation - Working in the timeline - Working with symbols - Shape tween - Intro to motion guide - Mask Layers - Button Intro - Intro to scripting - Button and Action scripting for projects - Bouncing ball - Adding Sound - Importing graphics files - Publishing flash content to the web.

UNIT- III HTML

10

Introduction - Html Documents - Html Tags - Elements of Html: Text, Lists, Tables and Frames, Hyperlinks, Image and Multimedia, Forms and controls - Cascading Style Sheets: Concept of CSS -Creating Style sheet - CSS Properties - CSS Styling - CSS Id and Class - CSS Color - Creating page layout and Site Designs - Web Publishing or Hosting: Creating the Website - saving the website - Working on the website - Creating web site structure - creating title for web pages - Themes publishing web sites.

UNIT - IV PHP

10

Php installation and introduction - Loops - String Functions in php - Php basics, variables - Arrays in php with Attributes - Date & Time, Image uploading - File handling in php - Functions in php.

UNIT - V Introduction to python programming

10

Installing python - Hello World! - Data types and variables - Python input and output - Making - decisions - if statements - Repetition - While loops - For loops - Iterators - List Comprehensions - Functions - Scope-variable - Modules - Object oriented programming - Inheritance - Exception handing - Using data Structures- list, tuples, dictionaries

TOTAL PERIOD : 50

26/12/17
SIGNATURE OF STAFF INCHARGE

26/12/17
HOD/CSE

26/12/2017
PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2017 - 2018 / EVEN SEMESTER

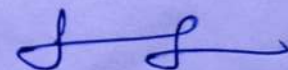
WDD001 - WEB DESIGNING AND DEVELOPMENT

NAME LIST

YEAR / SEM: IV / VII

| S.NO | REGISTER NO | STUDENT NAME | Signature |
|------|--------------|------------------------|--------------------|
| 1. | 821114104001 | ABIHAEL. A | A. Abihael, |
| 2. | 821114104002 | ABINAYA. J | J. Abinaya, |
| 3. | 821114104006 | AISHWARYA. S | Aishwarya .S |
| 4. | 821114104011 | BARANITHARAN. M | M. Baran |
| 5. | 821114104012 | BHOOPATHI RAJ.J | Bhoopathi Raj |
| 6. | 821114104013 | DEIVANAI. M | M. Deivanai |
| 7. | 821114104017 | NAGARAJAN. R | P. Nagarajan |
| 8. | 821114104019 | RAGUWARAN. K | K. Raguwaran |
| 9. | 821114104020 | RAJAPRASANTH. R | R. Raja Prasant |
| 10. | 821114104021 | RAMESH KUMAR.M | M. Ramesh Kumar |
| 11. | 821114104022 | SHALINI. T | T. Shalini |
| 12. | 821114104023 | SHANGEETHA. S | Shangeetha.S |
| 13. | 821114104025 | SUBATRA. V | V. Subatra, |
| 14. | 821114104027 | SUDIR SUDHARSAN RAO. H | H. Sudir Sudharsan |
| 15. | 821114104033 | VIJAY. R | R. Vijay, |
| 16. | 821114104301 | BANUMATHI.S.R | Banumathi .S.R |
| 17. | 821114104304 | RAMYA.T | T. Ramya |


Coordinator


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2017 - 18 EVEN SEMESTER
CDC - REPORT

WDD01- WEB DESIGNING AND DEVELOPMENT

YEAR / SEM: IV / VIII

TOTAL STRENGTH: 17

• **SYLLABUS COVERAGE:**

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 50 | 50 | 5 UNITS |

• **ASSESSMENT TEST PERFORMANCE:**

| TEST | NO OF UNITS | NO OF STUDENTS ATTENDED | NO OF STUDENTS PASSED | PASS % |
|-------|-------------|-------------------------|-----------------------|--------|
| AT-I | 2.5 Units | 25 | 25 | 100% |
| AT-II | 5 Units | 25 | 25 | 100% |

• **FEEDBACK DETAILS:**

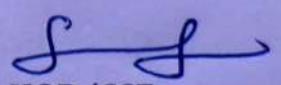
The expectations for taking the course by the student are:

| | |
|---|-------------|
| Procedure of experiments explained clearly | 94.8 |
| Support provided during lab sessions for completing experiments | 94.1 |
| Session stimulates expansion of knowledge / Skill. | 94.8 |
| Opportunity for questions and discussions | 91 |
| Course usefulness for real time implementation | 91.5 |
| OVERALL: | 92.5 |

• **OUTCOME:**

- Able to Design Photoshop works.
- Able to design their own website.
- Able to Understand the fundamentals of animation using Macro media flash.


COURSE COORDINATOR


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SYLLABUS

| | |
|---|--|
| Sub. Code : AAD 01 | Branch / Year / Sem : CSE / IV / VIII |
| Sub.Name : ANDROID APP DEVELOPMENT | Batch : 2014-2018 |
| Staff Name : Mrs R.Sugantha Lakshmi & G.Chandra Prabha | |
| Academic Year : 2017-18 (EVEN) | |

- UNIT I BASICS OF ANDROID** 9
Introduction to Android - History Behind Android Development - Version- Tools- Pre-requisites to learn Android- Android Architecture-Overview of Android Stack- Android Features- Linux Kernel-Libraries- Android Runtime-Application Framework- Dalvik VM

- UNIT II BASICS OF JAVA PROGRAMMING** 9
Languages for Android development – Java : What is Java?-Java Essentials for Android App Developers-Object Oriented Principles- Inheritance-SQL Databases -MVC Pattern -Delegation Pattern -Singleton Pattern -Multi-threading – Collection

- UNIT III ANDROID INSTALLATION** 9
Installing ANDROID machine : Configuring Android Stack - Creating Eclipse Environment - Integrating Android with Eclipse IDE-Exploring Eclipse IDE - Android Emulator : Installing an Android System Image - Creating an Android Emulator using the Android Virtual Device Manager - Starting an Android Emulator - Running Android Application on an Android Emulator

- UNIT IV ANDROID APPLICATION DEVELOPMENT** 9
Creating First Android Application: Creating Android Project-Debugging Application through DDMS-setting up environment - AVD Creation-Executing Project on Android Screen

- UNIT V ADVANCED ANDROID APPLICATIONS** 9
Application Development : Android Google Maps - Android Bluetooth Connection - Android Multitouch – Examples on Android Widgets

[Signature]
Ms. R.Sugantha Lakshmi
HOD/CSE

[Signature]
HOD/CSE

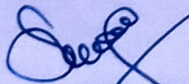
[Signature]
19/12/2017
Principal

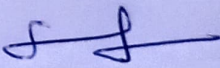


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2017 - 2018 / EVEN SEMESTER
YEAR / SEM: IV / VIII MY CREDIT COURSE NAME LIST

ANDROID APP DEVELOPMENT

| S.NO | REGISTER NO | STUDENT NAME | SIGNATURE |
|------|--------------|-----------------|-----------------|
| 1. | 821114104003 | ABIRAMI. B | Abirami B |
| 2. | 821114104004 | ABIRAMI. D | D. Abirami |
| 3. | 821114104005 | ADALERU. A | Adaleru . R |
| 4. | 821114104008 | ANBUOVIYA. V | V. Anbuviya |
| 5. | 821114104009 | ANUSUYA. G | G. Anusuya |
| 6. | 821114104010 | ARUL JOTHI. M | M. Aruljothi |
| 7. | 821114104015 | GAYATHIRI. P | P. Gayathri |
| 8. | 821114104016 | MADHAVAN. S | S. Madhavan |
| 9. | 821114104024 | SIVA SANGARI. R | R. Siva Sangari |
| 10. | 821114104028 | SUVITHA.K | K. Sujitha |
| 11. | 821114104029 | TAMILNEETHI.N | N. Tamilneethi |
| 12. | 821114104031 | VARSHINI. R | R. Varshini |
| 13. | 821114104032 | VIJAIARAVIND.S | S. Vijayaravind |
| 14. | 821114104034 | VIKRAM. S | S. Vikram |
| 15. | 821114104035 | YOGESHWARI. K | K. Yogeshwari |
| 16. | 821114104036 | YUVARANI. T | T. Yuvarani |
| 17. | 821114104302 | DHIVAKAR.S | S. Dhivakar |


CLASS INCHARGE


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2017 - 18 EVEN SEMESTER

MY CREDIT COURSE - REPORT

AAD01 - ANDROID APPLICATION DEVELOPEMENT

YEAR / SEM: IV/VII

TOTAL STRENGTH: 17

1. SYLLABUS COVERAGE

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|---------|
| 45 | 48 | 5 | - |

2. ASSESSMENT TEST PERFORMANCE

| TEST | NO OF UNITS | NO OF STUDENTS ATTENDED | NO OF STUDENTS PASSED | PASS% |
|-------|-------------|-------------------------|-----------------------|-------|
| AT-I | 2 Units | 14 | 14 | 100% |
| AT-II | 5 Units | 16 | 16 | 100% |

3. OUTCOME

- Can able to build new applications in ANDROID platform.
- Supportive in doing the final year project


COURSE COORDINATOR


HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
1.2.2 Add on Courses/NPTEL/SWAYAM / MCC Summary

| S.No | Name of Add on /Certificate programs offered | Course Code (if any) | Duration of course | Number of students enrolled in the year | Number of Students completing the course in the year |
|---|--|----------------------|--------------------|---|--|
| Academic Year 2016-2017 (ODD & EVEN) | | | | | |
| 1. | GATE / Competitive Exam (III Yr) | GATE/CE | 30 hrs | 36 | 36 |
| 2. | Android App Development- IV YR | MAD001 | 45 hrs | 12 | 12 |
| 3. | Basic Java Programming- IV YR | JP01 | 50 hrs | 16 | 16 |
| 4. | Web Designing & Development- IV YR | WDD01 | 50 hrs | 21 | 21 |
| 5. | Visual Basic Programming- IV YR | VP01 | 50 hrs | 13 | 13 |



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

| | |
|--|---------------------------------------|
| Branch / Year / Sem : B.E CSE / III /VI | Sub.Name :GATE |
| Staff Name : Mrs.B.Sangeetha | Academic Year: 2016-2017(EVEN) |

GATE SYLLABUS

Total: 30 Periods

- | | |
|--|----------|
| 1. DATABASE MANAGEMENT SYSTEM | 6 |
| Introduction - query- Normal forms – files organization – Key concepts. | |
| 2. COMPUTER NETWORKS | 6 |
| Basics – Protocols-Network Security-Authentication - Firewalls | |
| 3. ALGORITHMS | 6 |
| Introduction – Graph-Divide and Conquer- Spanning Tree- Hamiltonian Paths and Circuits- Traveling-Salesman Problem | |
| 4. COMPUTER ORGANIZATION AND ARCHITECTURE | 6 |
| Machine instructions and addressing modes - Memory hierarchy: cache, main memory and Secondary storage | |
| 5. OPERATING SYSTEM | 5 |
| Processes, threads, inter-process communication, concurrency and synchronization. | |
| 6. MOCKTEST_II | 1 |

B. Sangeetha
Gate in charge 30/12/17

S. Sangeetha
HOD/CSE 30/12/17



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2016 - 2017 / EVEN SEMESTER
ACTION PLAN FOR GATE CLASS AND NON-GATE CLASS

DATE: 19.12.16

All the students are requested to compulsory attend gate and non-gate classes according to the following schedule.

Note:

- Attendance will be strictly followed.
- Test will be conducted as per schedule.

CLASS/ SEM: III / VI

TOTAL:30Periods

| S.NO | TYPE OF CLASS | DATE | TOPICS TO BE COVERED | MODE OF COVERAGE | NO. OF HOURS REQUIRED |
|------|---------------|----------|----------------------|------------------|-----------------------|
| 1. | GATE | 31.12.17 | Aptitude | LAB | 4 |
| 2. | | 07.01.17 | Computer science | LAB | 4 |
| 3. | | 21.01.17 | Aptitude | LAB | 4 |
| 4. | | 04.02.17 | Computer science | LAB | 4 |
| 5. | | 18.02.17 | Mock test(offline) | LAB | 4 |
| 6. | | 04.03.17 | Aptitude | LAB | 5 |
| 7. | | 18.03.17 | Computer science | LAB | 5 |
| 1. | NON-GATE | 31.12.17 | Aptitude | BB | 4 |
| 2. | | 07.01.17 | Reasoning | BB | 4 |
| 3. | | 21.01.17 | General awareness | BB | 4 |
| 4. | | 04.02.17 | Computer awareness | BB | 4 |
| 5. | | 18.02.17 | Mock test(offline) | BB | 4 |
| 6. | | 04.03.17 | Aptitude | BB | 5 |
| 7. | | 18.03.17 | Reasoning | BB | 5 |


GATE AND NON-GATE COORDINATOR


HOD/CSE



KINGS
COLLEGE OF ENGINEERING
Punalakulam, Thanjavur.



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ISO 9001

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2016- 2017 (EVEN SEMESTER)

BATCH: 2014- 2018

CLASS: III CSE

GATE attended student list

| S.NO | NAME OF THE STUDENT | SIGNATURE |
|------|-----------------------|-----------------|
| 1 | Abiheal.A | A. Abheal |
| 2 | Adaleru.A | A. Adaleru |
| 3 | Aruljothi.M | M. Aruljothi |
| 4 | Madavan.S | S. Madavan |
| 5 | Nagarajan.R | R. Nagarajan |
| 6 | Rajaprasanth.R | R. Rajaprasanth |
| 7 | Shalini.T | T. Shalini |
| 8 | Sangeetha.S | S. Sangeetha |
| 9 | Sivaranjani.R | R. Sivaranjani |
| 10 | Sudharsan.J | A.B. |
| 11 | Sudhir sudhrsan rao.H | H. Sudhir |
| 12 | Thirumurugan.S | S. Thirumurugan |
| 13 | Vijayaravind.S | S. Vijayaravind |
| 14 | Vijay.R | R. Vijay |
| 15 | Vikram.S | S. Vikram |
| 16 | Banumadhi.S.R | M. Banumadhi |
| 17 | Baranitharan.M | M. Baranitharan |
| 18 | Ramya.T | T.R. |


Gate Dept. coordinator



KINGS

COLLEGE OF ENGINEERING
Punakulam, Thanjavur.

Approved by AICTE, Affiliated to Anna University, Accredited by NIRF



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CERT
ISO 9001

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2016-2017 (SEMESTER) **EVEN**

BATCH: 2014-2018

CLASS: III CSE

NON GATE ATTENDED NAME LIST

| S.NO | NAME OF THE STUDENT | SIGNATURE |
|------|---------------------|----------------|
| 1 | Abinaya.J | J. Abinaya |
| 2 | Abirami.B | B. Abirami |
| 3 | Abirami.D | Abirami.D |
| 4 | Aiswarya.S | Aiswarya.S |
| 5 | Anbuoviya.V | V. Anbuoviya |
| 6 | Anushiya.G | G. Anushiya |
| 7 | Bhoopthiraj.J | J. Bhoopthiraj |
| 8 | Deivani.M | M. Deivani |
| 9 | Raguwaran.K | K. Raguwaran |
| 10 | RameshKumar.M | M. RameshKumar |
| 11 | Subathra.V | V. Subathra |
| 12 | Suvitha.K | K. Suvitha |
| 13 | Tamilneethi.N | N. Tamilneethi |
| 14 | Varshini.R | R. Varshini |
| 15 | Yogeshwari.K | K. Yogeshwari |
| 16 | Yuvarani.T | T. Yuvarani |
| 17 | Dhivakar.S | S. Dhivakar |

R. Rao
Gate Dept. coordinator



KINGS
COLLEGE OF ENGINEERING
Punakulam, Thanjavur.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2016 - 2017 / ODD SEMESTER
ACTION PLAN FOR GATE CLASS AND NON-GATE CLASS

DATE: 20.06.16

All the students are requested to compulsory attend gate and non-gate classes according to the following schedule.

Note:

- Attendance will be strictly followed.
- Test will be conducted as per schedule.

CLASS/ SEM: III/V

| S.NO | TYPE OF CLASS | DATE | TOPICS TO BE COVERED | MODE OF COVERAGE | NO. OF HOURS REQUIRED |
|------|---------------|----------|----------------------|------------------|-----------------------|
| 1. | GATE | 02.07.16 | Aptitude | BB | 4 |
| 2. | | 16.07.16 | Computer science | BB | 4 |
| 3. | | 30.07.15 | Aptitude | BB | 4 |
| 4. | | 06.08.16 | Computer science | BB | 4 |
| 5. | | 20.08.16 | Mock test(offline) | BB | 2 |
| 6. | | 03.09.16 | Aptitude | BB | 2 |
| 7. | | 17.09.16 | Computer science | BB | 5 |
| 8. | | 01.10.16 | Aptitude | BB | 5 |
| 1 | NON-GATE | 02.07.16 | Aptitude | BB | 4 |
| 2 | | 16.07.16 | Reasoning | BB | 4 |
| 3 | | 30.07.15 | General awareness | BB | 4 |
| 4 | | 06.08.16 | Computer awareness | BB | 4 |
| 5 | | 20.08.16 | Mock test(offline) | BB | 2 |
| 6 | | 03.09.16 | Aptitude | BB | 2 |
| 7 | | 17.09.16 | Reasoning | BB | 5 |
| 8 | | 01.10.16 | General awareness | BB | 5 |

R. R. R.
20/6/16
GATE AND NON-GATE COORDINATOR

S. S.
20/6/16
HOD/CSE



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COLLEGE OF ENGINEERING
Punakulam, Thanjavur.

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TUV Rheinland
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ISO 9001

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2016- 2017 (ODD SEMESTER)

BATCH: 2014- 2018

CLASS: III CSE

GATE attended student list

| S.NO | NAME OF THE STUDENT | SIGNATURE |
|------|------------------------|-----------------|
| 1 | Abiheal.A | A. Abheal |
| 2 | Adaleru.A | A. Adaleru |
| 3 | Aruljothi.M | M. Aruljothi |
| 4 | Madavan.S | S. Madavan |
| 5 | Nagarajan.R | R. Nagarajan |
| 6 | Rajaprasanth.R | R. Rajaprasanth |
| 7 | Shalini.T | T. Shalini |
| 8 | Sangeetha.S | S. Sangeetha |
| 9 | Sivaranjani.R | R. Sivaranjani |
| 10 | Sudharsan.J | AB |
| 11 | Sudhir sudharsan rao.H | H. Sudhir |
| 12 | Thirumurugan.S | S. Thirumurugan |
| 13 | Vijayaravind.S | S. Vijayaravind |
| 14 | Vijay.R | R. Vijay |
| 15 | Vikram.S | S. Vikram |
| 16 | Banumadhi.S.R | M. Banumadhi |
| 17 | Baranitharan.M | M. Baranitharan |
| 18 | Ramya.T | T. Ramya |


Gate Dept. coordinator



KINGS

COLLEGE OF ENGINEERING
Punaikulam, Thanjavur.

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CERT
ISO 9001

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2016- 2017 (ODD SEMESTER)

BATCH: 2014- 2018

CLASS: III CSE

NON GATE ATTENDED LIST

| S.NO | NAME OF THE STUDENT | SIGNATURE |
|------|---------------------|----------------|
| 1 | Abinaya.J | J. Abinaya |
| 2 | Abirami.B | B. Abirami |
| 3 | Abirami.D | Abirami.D. |
| 4 | Aiswarya.S | Aiswarya |
| 5 | Anbuviya.V | V. Anbuviya |
| 6 | Anushiya.G | G. Anushiya |
| 7 | Bhoopthiraj.J | J. Bhoopthiraj |
| 8 | Deivanai.M | M. Deivanai |
| 9 | Raguwaran.K | K. Raguwaran |
| 10 | RameshKumar.M | M. RameshKumar |
| 11 | Subathra.V | V. Subathra |
| 12 | Suvitha.K | K. Suvitha |
| 13 | Tamilneethi.N | N. Tamilneethi |
| 14 | Varshini.R | R. Varshini |
| 15 | Yogeshwari.K | K. Yogeshwari |
| 16 | Yuvarani.T | T. Yuvarani |
| 17 | Dhivakar.S | S. Dhivakar |

R. Rao
Gate Dept. coordinator



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2016 - 17

GATE/CE- REPORT

YEAR / SEM: III/VII

TOTAL STRENGTH:36

SUMMARY

SYLLABUS COVERAGE

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|---------|
| 30 | 30 | 5 | - |

OUTCOME

- Given coaching for 36 students.
- 17 students appeared in GATE examination
- Can able to attend competitive exams and government exams
- Supportive in doing higher studies in reputed institutions
- Beneficial in seeking a job in MNC.

R. Deivita
29/3/17
Gate DEPT. COORDINATOR

[Signature]
29/3/17
HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2016 – 17 EVEN SEMESTER
Assessment Procedure

- Dear students, it is to inform you that the following assessment procedure will be conducted to assess your **My Credit Courses (MCC)** courses during the academic year 2016-17 even semesters.
- Students are instructed to follow the procedure.
 - Two assessment tests will be conducted.
 - Both assessment tests will be conducted for 100 marks.
 - The assessment test will be conducted in **MCQ/written/Practical** examinations.

Exam Pattern

Total Marks: 100

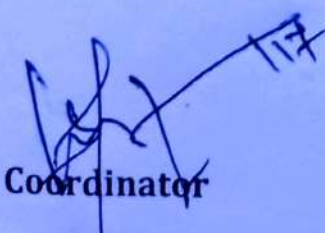
MCQ Based Question Paper:

50*1=50 Marks

1*50=50 Marks

Written Based Question Paper:

5*20=100 Marks


Coordinator


Head of the Department



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SYLLABUS

| | |
|--|--|
| Sub. Code : AAD 01 | Branch / Year / Sem : CSE / IV / VIII |
| Sub.Name : ANDROID APP DEVELOPMENT | Batch : 2013-2017 |
| Staff Name : Mrs R.Sugantha Lakshmi | |
| Academic Year: 2016 -17 (EVEN) | |

UNIT I BASICS OF ANDROID 9

Introduction to Android - History Behind Android Development - Version- Tools- Pre-requisites to learn Android- Android Architecture-Overview of Android Stack- Android Features- Linux Kernel-Libraries- Android Runtime-Application Framework- Dalvik VM

UNIT II BASICS OF JAVA PROGRAMMING 9

Languages for Android development - Java : What is Java?-Java Essentials for Android App Developers-Object Oriented Principles- Inheritance-SQL Databases -MVC Pattern -Delegation Pattern -Singleton Pattern -Multi-threading - Collection

UNIT III ANDROID INSTALLATION 9

Installing ANDROID machine : Configuring Android Stack - Creating Eclipse Environment - Integrating Android with Eclipse IDE-Exploring Eclipse IDE - Android Emulator : Installing an Android System Image - Creating an Android Emulator using the Android Virtual Device Manager - Starting an Android Emulator - Running Android Application on an Android Emulator

UNIT IV ANDROID APPLICATION DEVELOPMENT 9

Creating First Android Application: Creating Android Project-Debugging Application through DDMS-setting up environment - AVD Creation-Executing Project on Android Screen

UNIT V ADVANCED ANDROID APPLICATIONS 9

Application Development : Android Google Maps - Android Bluetooth Connection - Android Multitouch - Examples on Android Widgets

Staff Incharge
26/12/17

HOD CSE
26/12/17

J. Manjunath
26/12/2017
PRINCIPAL



KINGS
COLLEGE OF ENGINEERING
(NAAC Accredited Institution)
(Approved by AICTE, New Delhi, Affiliated to
Anna University, Chennai)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


ACADEMIC YEAR 2016 - 2017 / EVEN SEMESTER

YEAR / SEM : IV / VIII

MY CREDIT COURSE

AAD01-ANDROID APPLICATION AND DEVELOPMENT

| S.NO | REGISTER NO | NAME | SIGNATURE |
|------|--------------|------------------------|------------------|
| 1. | 821113104001 | ABDUL RAHMAN M A | Abdul Rahman A |
| 2. | 821113104002 | ABDUL SALAM A | A. Abdulsalam. |
| 3. | 821113104005 | ABIVARMAN R | Abivarmen |
| 4. | 821113104006 | AJITHKUMAR V | V. Ajith Kumar. |
| 5. | 821113104008 | ANBU VENKATESH K | Anbu Venkatesh K |
| 6. | 821113104009 | ANUVIDHYA R | Anuvidhya R |
| 7. | 821113104015 | ATHEELA K | K. Atheela. |
| 8. | 821113104037 | MAHALAKSHMI M | Mahalani. M |
| 9. | 821113104039 | MOHAMED RISWAN. J | J. Moham Rizwan |
| 10. | 821113104040 | MOHAMED SHIRAJUDEEN .A | A. Mohamshiraj |
| 11. | 821113104050 | RAJKUMAR .D | D. Rajkumar. |
| 12. | 821113104060 | SIVA RAM .R | R. Sivakumar |


Course Coordinator


HOD



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2017 - 18 EVEN SEMESTER**

MY CREDIT COURSE - REPORT

AAD01 - ANDROID APPLICATION DEVELOPEMENT

YEAR / SEM: IV/VII

TOTAL STRENGTH: 12

1. SYLLABUS COVERAGE

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|---------|
| 45 | 48 | 5 | - |

2. ASSESSMENT TEST PERFORMANCE

| TEST | NO OF UNITS | NO OF STUDENTS ATTENDED | NO OF STUDENTS PASSED | PASS % |
|-------|-------------|-------------------------|-----------------------|--------|
| AT-I | 2 Units | 14 | 14 | 100% |
| AT-II | 5 Units | 16 | 16 | 100% |

3. FEEDBACK DETAILS:

The expectations for taking the course by the student are:

| | |
|-----------------------------------|-----|
| Enhance the skill base | 44% |
| Get exposed to a relevant subject | 16% |
| Curiosity | 10% |
| Better Employment Opportunity | 30% |

4. OUTCOME

- Can able to build new applications in ANDROID platform
- Supportive in doing the final year project

COURSE COORDINATOR

HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2016 - 17 EVEN SEMESTER

MY CREDIT COURSE - BASIC JAVA PROGRAMMING

SYLLABUS

YEAR / SEM: IV / VIII

UNIT - I JAVA BASICS 10

History of Java - Scope of Java - Advantages & Applications of Java - Types of Java applications - Java environment setup - Overview - Comparison with prior programming languages

UNIT - II OPERATOR & DECISION & ARRAY CONSTRUCTS 10

Basic Syntax - Keywords, Identifiers - Java Objects & Classes - Primitive and Reference Data types - Literals - Variables and its types - Modifiers (Access & Non Access) - Java Basic Operators - Decision making & Looping statements

UNIT - III LOOP CONSTRUCTS & METHODS 10

Numbers Class - Character Class - String Class - Methods - Creating Method - Method calling - Method overloading - Constructors

UNIT - IV INHERITENCE & INTERFACES 10

Declaring array variables - Creating Arrays - Processing - Passing Arrays to methods - Date Class - Time class - Inheritance - Java programs

UNIT - V JAVA EXCEPTION 10

Polymorphism - Interface - Exception - try catch Block - Multiple Catch Block - Throw - Common Exception Classes & Categories - Packages

[Signature]
26/12/16
STAFF INCHARGE

TOTAL: 50 PERIODS
[Signature]
26/12/16
HOD/CSE

[Signature]
26/12/2016
PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2016 - 2017 / EVEN SEMESTER

YEAR / SEM : IV / VIII

JAVA Programming

Assessment Test-1

Attendance Sheet

| S.NO | REGISTER NO | STUDENT NAME | |
|------|--------------|---------------------------|---------------------------|
| 1. | 821113104010 | ARAVINDHAN S | Aravindh S. Aravind |
| 2. | 821113104011 | ARAVIND RAJA K | K. Aravind Raja |
| 3. | 821113104024 | ELAKKIYA M | Elakkiya |
| 4. | 821113104025 | ESWAR S | S. Eswar |
| 5. | 821113104027 | GAYATHRI J | Gayathri |
| 6. | 821113104029 | ISHWARYA R | R. Ishwarya |
| 7. | 821113104031 | KANMANI S | Kanmani |
| 8. | 821113104033 | KARTHIKA P | P. Karthika |
| 9. | 821113104034 | KARTHIKEYAN K | Karthikeyan |
| 10. | 821113104035 | LAKSHMI PRIYA R | Lakshmi Priya |
| 11. | 821113104048 | PRIYANKA .G | G. Priyanka |
| 12. | 821113104058 | SHAKTHI PRIYADHARSHINI .S | S. Shakthi Priyadharshini |
| 13. | 821113104059 | SHARMILA .R | R. Sharmila |
| 14. | 821113104062 | SOURNA LAKSHMI .P | P. Sournalakshmi |
| 15. | 821113104068 | SWATHI .A | A. Swathi |
| 16. | 821113104075 | YOGESHWARI .B | B. Yogeshwari |

CLASS COORDINATOR

HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2016 - 17 EVEN SEMESTER
MY CREDIT COURSE - REPORT
IP01 -BASIC JAVA PROGRAMMING

YEAR / SEM: IV / VIII

TOTAL STRENGTH: 16

• **SYLLABUS COVERAGE:**

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|-------------------------------------|
| 50 | 56 | 5 UNITS | • 5 Hrs were utilized for practical |

• **ASSESSMENT TEST PERFORMANCE:**

| TEST | NO OF UNITS | NO OF STUDENTS ATTENDED | NO OF STUDENTS PASSED | PASS % |
|-------|-------------|-------------------------|-----------------------|--------|
| AT-I | 2 Units | 16 | 16 | 100% |
| AT-II | 5 Units | 16 | 16 | 100% |

• **FEEDBACK DETAILS:**

The expectations for taking the course by the student are:

| | |
|-----------------------------------|-----|
| Enhance the skill base | 53% |
| Get exposed to a relevant subject | 13% |
| Curiosity | 7% |
| Better Employment Opportunity | 27% |

• **OUTCOME:**

- Able to write codes and do projects on own.
- Able to Understand the fundamentals of object-oriented programming in Java
- Able to enhance their software development skill.
- Increases job opportunities in Multinational companies

R. Ranitha
COURSE COORDINATOR
(Ms.R.RANITHA)

S. S.
HOD/CSE



KINGS
COLLEGE OF ENGINEERING
Pudukulam, Thanjavur.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2016 - 2017 / EVEN SEMESTER

MYCREDIT COURSE SYLLABUS

WDD01-WEB DESIGNING AND DEVELOPMENT

UNIT-I PHOTOSHOP CS6

10

Introduction - Photoshop Basics - Working with layers - channels and masks - Retouching - Selection and cutouts - Brochure Designing - Design banners for Website - Photo Manipulation - Preparing files for the web - Real-time Website Layout Design.

UNIT-II MACROMEDIA FLASH

10

Introduction - Working in Flash - Drawing With Flash - Basic animation - Working in the timeline - Working with symbols - Shape tween - Intro to motion guide - Mask Layers - Button Intro - Intro to scripting - Button and Action scripting for projects - Bouncing ball - Adding Sound - Importing graphics files - Publishing flash content to the web.

UNIT- III HTML

10

Introduction - Html Documents - Html Tags - Elements of Html: Text, Lists, Tables and Frames, Hyperlinks, Image and Multimedia, Forms and controls - Cascading Style Sheets: Concept of CSS -Creating Style sheet - CSS Properties - CSS Styling - CSS Id and Class - CSS Color - Creating page layout and Site Designs - Web Publishing or Hosting: Creating the Website - saving the website - Working on the website - Creating web site structure - creating title for web pages - Themes publishing web sites.

UNIT - IV PHP

10


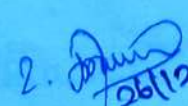
Php installation and introduction - Loops - String Functions in php - Php basics, variables - Arrays in php with Attributes - Date & Time, Image uploading - File handling in php - Functions in php.


UNIT - V Introduction to python programming

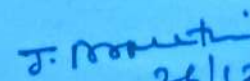
10

Installing python - Hello World! - Data types and variables - Python input and output - Making - decisions - if statements - Repetition - While loops - For loops - Iterators - List Comprehensions - Functions - Scope-variable - Modules - Object oriented programming - Inheritance - Exception handing - Using data Structures- list, tuples, dictionaries

TOTAL PERIOD : 50

1.  2. 
26/12/16
SIGNATURE OF STAFF INCHARGE


26/12/16
HOD/CSE

J. 
26/12/2016
PRINCIPAL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2016 - 2017 / EVEN SEMESTER

YEAR / SEM : IV / VIII

MY CREDIT COURSE NAME LIST
WEB DESIGNING AND DEVELOPMENT

| S.NO | REGISTER NO | NAME | Signature |
|------|--------------|--------------------|-----------|
| 1. | 821113104004 | ABINAYA M | |
| 2. | 821113104007 | AKSHAYA N | |
| 3. | 821113104018 | BEULAH K | |
| 4. | 821113104019 | BHUVANESWARI K R | |
| 5. | 821113104022 | DIVYA RANI R | |
| 6. | 821113104026 | EUGEN A | |
| 7. | 821113104028 | INDHU R | |
| 8. | 821113104036 | MAHALAKSHMI A | |
| 9. | 821113104038 | MARUTHARASI. L | |
| 10. | 821113104042 | MONIKA .A | |
| 11. | 821113104045 | NIVETHA .D | |
| 12. | 821113104049 | RADHA LAKSHMI R. M | |
| 13. | 821113104051 | RAVEENA .K. M | |
| 14. | 821113104052 | SAIREENA .V. J | |
| 15. | 821113104053 | SANDHIYA .D | |
| 16. | 821113104054 | SARANYA .C | |
| 17. | 821113104055 | SARANYA .T | |
| 18. | 821113104065 | SUBASHINI .R | |
| 19. | 821113104066 | SUKANYAA .C | |
| 20. | 821113104069 | UMA MAHESWARI .S | |
| 21. | 8211131040 | P.Vaishali | |

TOTAL STRENGTH : 21

HOD/CSE



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2016 - 17 EVEN SEMESTER
CDC - REPORT**

WDDO1- WEB DESIGNING AND DEVELOPMENT

YEAR / SEM: IV / VIII

TOTAL STRENGTH: 21

• **SYLLABUS COVERAGE:**

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED |
|---------------------|----------------------|-----------------------|
| 50 | 50 | 5 UNITS |

• **ASSESSMENT TEST PERFORMANCE:**

| TEST | NO OF UNITS | NO OF STUDENTS ATTENDED | NO OF STUDENTS PASSED | PASS % |
|-------|-------------|-------------------------|-----------------------|--------|
| AT-I | 2.5 Units | 17 | 17 | 100% |
| AT-II | 5 Units | 17 | 17 | 100% |

• **FEEDBACK DETAILS:**

The expectations for taking the course by the student are:

| | |
|---|-------------|
| Procedure of experiments explained clearly | 91.8 |
| Support provided during lab sessions for completing experiments | 94.1 |
| Session stimulates expansion of knowledge / Skill. | 94.8 |
| Opportunity for questions and discussions | 92.3 |
| Course usefulness for real time implementation | 94.5 |
| OVERALL: | 93.4 |

• **OUTCOME:**

- Able to Design Photoshop works.
- Able to design their own website.
- Able to Understand the fundamentals of animation using Macro media flash.

1.

2.

COURSE COORDINATOR

HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

MY CREDIT COURSE

VP01 - VISUAL BASIC PROGRAMMING - SYLLABUS

Unit - I Fundamentals of Visual Basic 10

Introduction to Visual Basic Environment - Visual Basic Objects - Visual Basic Events - Numbers - Strings - Input and Output - Built in Functions - Programming Examples

Unit - II Statements & Arrays 10

Relational and Logical Operators - If Blocks - Select Case Blocks - Do Loops - Processing list of data with do loops - For...Next Loops - Creating and Accessing Arrays - Using Arrays - Control Arrays - Sorting and Searching - Two Dimensional Arrays

Unit - III Files & Graphical Display of Data 10

Sequential File - Using Sequential File - Case Study: Recording Checks and Deposits - Random Access File - Introduction to Graphics - Line Chart - Pie Chart - Bar Chart - Programming Projects

Unit - IV Additional Controls & Database Management 10

Drop Down Controls - Nine Elementary controls - Additional Objects - Sample Programs - three additional data-bound controls - creating and designing databases

Unit - V Communication with other applications 10

OLE - Accessing the internet with Visual Basic - Active X Control - VB Script

Total : 50

TEXT BOOK:

T1. Computer Programming Concepts and Visual Basic by David I. Schneider, UNIVERSITY OF PHOENIX COLLEGE OF INFORMATION SYSTEMS AND TECHNOLOGY, Pearson Custom Publishing.

(E - Book : <http://vbhelp.wz.cz/stahuj/PCAVB.pdf>)

REFERENCE BOOK:

1. Visual Basic 6 from the Ground Up by Gary Cornell published by Tata McGraw - Hill Education.

S. Purushotham
STAFF INCHARGE

J. Manjunath
26/12/2017
PRINCIPAL

S. S. Sathish
26/12/17
HOD - CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2016 - 2017 / EVEN SEMESTER

YEAR / SEM : IV / VIII

Visual Programming

Assessment Test-1

Attendance Sheet

| S.NO | REGISTER NO | STUDENT NAME | Signature |
|------|--------------|----------------|--------------|
| 1. | 821113104003 | ABDUR RAHMAN M | A. Abdur |
| 2. | 821113104012 | ARTHI S | S. Arthi |
| 3. | 821113104014 | ARUNKUMAR K | Arunkumar |
| 4. | 821113104016 | BACKIA R | R. Backia |
| 5. | 821113104017 | BALAMURUGAN A | Balamurugan |
| 6. | 821113104023 | ELAKKIYA D | D. Elakkiya |
| 7. | 821113104043 | NAVEEN BABU. R | Naveen |
| 8. | 821113104044 | NAVIN .C | C. Navin |
| 9. | 821113104056 | SARATHKUMAR .S | Sarathkumar |
| 10. | 821113104057 | SARAVANAN .S | S. Saravanan |
| 11. | 821113104067 | SURENDER .K .U | Surender |
| 12. | 821113104072 | VELU SAMY .M | M. Velusamy |
| 13. | 821113104074 | VIGNESH .B | B. Vignesh |

S. Pur
CLASS COORDINATOR

S. J.
HOD/CSE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR 2016 - 17 EVEN SEMESTER
MY CREDIT COURSE - REPORT
VP01 - VISUAL PROGRAMMING

YEAR / SEM: IV / VIII

TOTAL STRENGTH: 13

• **SYLLABUS COVERAGE:**

| NO OF HOURS PLANNED | NO OF HOURS EXECUTED | NO OF UNITS COMPLETED | REMARKS |
|---------------------|----------------------|-----------------------|---|
| 50 | 52 | 5 UNITS | <ul style="list-style-type: none"> 2 Hrs were utilized for recapping |

• **ASSESSMENT TEST PERFORMANCE:**

| TEST | NO OF UNITS | NO OF STUDENTS ATTENDED | NO OF STUDENTS PASSED | PASS % |
|-------|-------------|-------------------------|-----------------------|--------|
| AT-I | 2 Units | 12 | 12 | 100% |
| AT-II | 5 Units | 12 | 12 | 100% |

• **FEEDBACK DETAILS:**

The expectations for taking the course by the student are:

| | |
|-----------------------------------|-----|
| Enhance the skill base | 57% |
| Get exposed to a relevant subject | 14% |
| Curiosity | - |
| Better Employment Opportunity | 29% |

• **OUTCOME:**

- Able to enhance their software development skill.
- Able to do demonstrate the requirements of a real time project.
- Able to apply the concepts of the programming language to create or propose design concepts to the problem.


COURSE COORDINATOR
(Ms.S.PUVANESWARI)


HOD/CSE