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Mr. J. Niranjan Samuel, JRF/R&D

Grants sanctioned

- A grant-in-aid of Rs. 20,000 is sanctioned from EDII, Ahmadabad under DST-NIMAT for organizing a Three Days Entrepreneurship Awareness Camp. Coordinator: Mr. K. Sudhakar, AP/Management Studies.

Proposals submitted

- A total of 34 proposals (CSE -13; ECE-16; EEE-04; MECH-01) were submitted by students under the guidance of faculty members to TNSCST, Chennai seeking grant-in-aid.
- A proposal titled “Multivariate Time Series Forecasting Using Hybrid PSO with GA and RLSE Method Tested through Adaptive Neuro Complex Fuzzy Inferential System Using Complex Fuzzy Sets” was submitted to DST under VAJRA Scheme. Coordinator: Dr. S. Sivakumar, Prof/EEE and Dr. R. Suresh, AP/Maths.
- A total of 10 proposals (RPS – 02 MODROBS – 03 STTP – 05) A proposal titled were submitted to AICTE under AQIS scheme.

Student Project Grants

- R. Pavithra, M. Rasika and R. Sakthi Sridevi, IV EEE students, under the guidance of Dr.S.Sivakumar, Professor/EEE, received a grant-in-aid of Rs. 7,500/- from TNSCST, Chennai towards the project titled “**Generation of Fuel from Plastic Wastes**”.

Publications

Department	Conference	Journals
Civil	28	15
CSE	18	66
ECE	12	10
EEE	09	-
MECH	05	06
S&H	12	05

Faculty completed Ph.D.

Name	Dept
Dr. P.P.Shantharaman	Mechanical Engineering
Dr. N. Latha	Mathematics
Dr. M. Meenalochani	Electrical Engineering
Dr. B. Barankumar	Management Studies

Faculty doing Ph.D.

Name / Dept	Area of Research
Mrs. K. Abhirami, Computer Science & Engineering	Data Mining
Mrs.P. Nalayini, Computer Science & Engineering	Wireless Networks
Mr. S. Rajarajan, Computer Science & Engineering	Wireless Networks
Mr. A. Herald, Electronics & Communication Engineering	Optical Communications
Mr. T. Pasupathi, Electronics & Communication Engineering	Free Space Optics
Mr. P. Raja Pirian, Electronics & Communication Engineering	Wireless Sensor N/w s
Mrs. R. Ponni, Electronics & Communication Engineering	Adhoc N/w s
Mr. R. Sundaramoorthy, Electrical & Electronics Engineering	Power Converters
Mrs. S. Rajeswari, Electrical & Electronics Engineering	Smart Grid
Mr. R. Sankar, Mechanical Engineering	Surface Coating
Mr. B. Adhichelvan, Mechanical Engineering	Emission optimization
Mr.N. Magesh, Mechanical Engineering	Alternative Fuels
Mr. H.Agilan, Mechanical Engineering	Alternative fuels
Mr. Melwin J Sridhar, Mechanical Engineering	Composite Materials
Mr. J. Rajaparthiban, Mechanical Engineering	Machining studies
Mr. S. Sabanayagam, Mechanical Engineering	Material science

Mr. G. Jeyakrishnan, Mathematics	Number Theory
Mrs. S. Geetha, Mathematics	Fuzzy Graphs
Mrs. S. Revathy, Mathematics	Fuzzy Graphs
Mrs. T. Gnanajeya, Mathematics	Mathematical Models
Mr. K. Sudhakar, Training & Placement	Finance
Mr. B. Suresh Babu, Training & Placement	Marketing

Students Participation in Smart India Hackathon-2020

Team Name	Team Head
DAZZLERS	Anitha J
DONUTS	Indhuja J
FIREBLASTERS	Ezhilarasi M
FIREWALL	Rochella M
KSK INNOVATORS	Sarika A
SPARKLE FEATHERS	Latchayasri G

Programmes Organized

One day workshop on Climate Change was organized on 07th August, 2019. Dr. J. Santhosh, Director (i/c), Centre for Energy and Environment, Periyar Maniammai Institute of science and technology, Thanjavur delivered lecture. 96 students participated in the workshop. During the second session, participants visited the CoEE, PMIST.



Dr. J. Santhosh during the lecture



Students at CoEE, PMIST, Thanjavur

65 students accompanied by 3 staff members visited Central Electro Chemical Research Institute, Karaikudi on 26th September, 2019. The Field Visit was organized under IIC by R&D Section. The main objective of the visit is to make the students get familiar in the construction of batteries and the chemical process involved in conversion of chemicals to current.



Our Students at CECRI, Karaikudi during the visit

MHRDs IIC organized **Innovation Day** on 15th October, 2019. As a part of the celebration, Poster Design, Essay Writing, Slogan Competition and Speech Competition (English & Tamil) were

conducted. Posters presented by the participants represented the innovation by the Indian innovators.



Dr. J. Arputha Vijaya Selvi during the talk Honoring the winners of Innovation Day

Internal Smart India Hackathon was conducted on 13th January, 2020. Dr. J. Arputha Vijaya Selvi, Principal & President – IIC in her presidential address motivated the students to provide solutions to societal problems through the innovations. 22 teams presented on their problem statement before the panel of examiners. 06 teams were recommended to submit the proposals for participating in SIH_2020.



Dr. J. Arputha Vijaya Selvi during the talk

Students presenting their problem statement

Participants of the Internal Hackathon

A Seminar on “**Soft Skills**” was organized on 24th January, 2020. Mr. R. Ramachandran, Soft Skill Trainer, PWD (Retd), Govt. of Tamil Nadu was the resource person. In his lecture, he briefed the students on the techniques and ways to improve their soft skills. Various activities were carried out to enrich the student’s soft skills. About 148 students had participated and got benefitted.



Mr. R. Ramachandran during the lecture

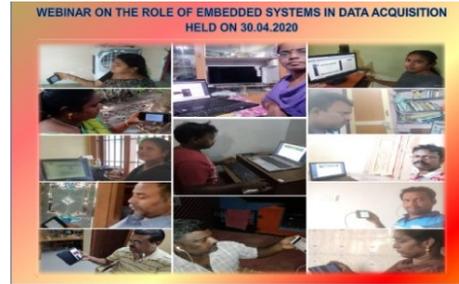
View of the participants

R&D Section and IIC jointly organized, Webinar on **Role of Embedded Systems in Data Processing** on 30th April, 2020. A total of 112 registrations were received from 42 institutions spread over India and abroad. Mr. J. Niranjan Samuel, JRF/ECE - R&D hosted the event. A total of 40 members from various institutions participated in the programme. Mr. P. Rajasekar, Managing Director, V3 Technologies, Thanjavur delivered lecture. In his lecture, he briefed on the role of

embedded systems in various verticals such as biomedical, agriculture, automobiles, robotics etc. A case study was also discussed during the webinar.

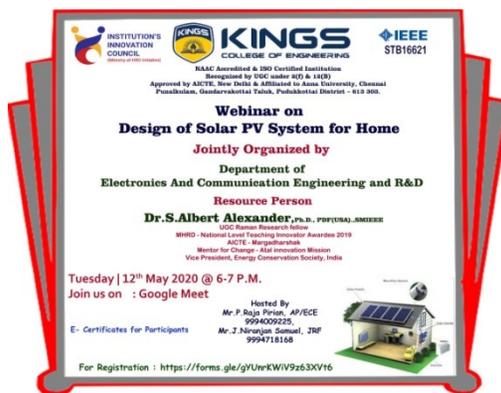


Webinar poster



A view of the participants

Department of Electronics and Communication Engineering and R&D Section, has jointly organized a webinar on **“Design of Solar PV System for Home”** on 12th May | 6.00 to 7.00 PM @ Google Meet. Dr.S.Albert Alexander, Kongu Engineering College, was the resource person. Nearly 260 members from 67 Institutions registered for the webinar. 91 members were accommodated in the webinar.



Department of Electronics and Communication Engineering and R&D Section, has jointly organized a Webinar on **Accelerate your Internet of Things (IoT) vision** on 20.05.2020 & 21.05.2020 between 6:00 and 7:30 PM for external and internal participants. A total of 221 registrations from 68 institutions all over the nation and 132 participants actively participated. Mr.T.Pasupathi, AP/ECE, Mr.J.Niranjan Samuel, JRF/ECE-R&D hosted the event.

Department of Mechanical Engineering and R&D Section has jointly organized a Webinar on **Fundamentals of Product Design** by Dr. N. L. Parthasarathy, Scientific Officer, IGCAR, Chennai on 23.05.2020 between 11:00 a.m. 12:00 noon. Total of 520 registrations were made from 112 institutions all over India and 337 active participation was made. Dr. P.P. Shantharaman, Mr. R. Shankar and Mr. M. Melwin J Sridhar, from Mechanical Engineering hosted the event.

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 www.kingsindia.net

Department of Mechanical Engineering and Research & Development Section
 Presents
Webinar on
Fundamentals of Product design
 on 23-05-2020 | Saturday @ 11.00 am

Resource Person:
Dr. N.L. Parthasarathi,
 Scientific officer,
 IGCAR, Kalpakkam,
 Chennai.

For any Queries Please Contact:
Dr. P.P. Shantharaman, Asst. Prof./Mech
 9944876644
Mr. R. Shankar, Asst. Prof./Mech
 924896881
Mr. M. Melwin J. Sidhar, Asst. Prof./Mech
 999748951

E-Certificate will be provided
 Registration Link:
<https://forms.gle/9wv7UgYDQ9T3K7>
 *Meeting link will be shared through email.

Last date for Registration: 22.05.2020

<https://www.facebook.com/KingsCollegeofEngineering/>

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IEEE
 STB16621

Research & Development Section organizes
Webinar on Robotics

22.06.2020 (Monday)
10:30 a.m. to 12:30 p.m.

Mr. E. Venugopal
 Assistant Professor/ECE
 IEEE Student Branch Counsellor
 Sri Eshwar College of Engineering,
 Coimbatore

Dr. S. Ganeshkumar
 Assistant Professor/MECH
 Incharge of Part-time program
 Sri Eshwar College of Engineering,
 Coimbatore

For Registration: <https://forms.gle/dx4C7qTW5R8vX68>

Coordinators
Mr. J. Niranjan Samuel, JRF/ECE & Mr. T. Pasupathi, AP/ECE

Convener
Dr. P.P. Shantharaman
 Assoc. Prof./Mech

Patron
Dr. J. Arputha Vijaya Sevi
 Principal

E-Certificates will be provided

R&D section organized a webinar on Robotics on 22.06.2020. Mr.E. Venugopal, Assistant Professor/ECE and Dr. S. Ganeshkumar, AP/MECH from Sri Eashwar College of Engineering, Coimbatore delivered lectures. A total of 393 registrations were received from various institutions. Around 300 participants participated in the programme.

KINGS Science EXPO was organized by R&D section under IEEE STB and IIC on 05th June, 2020 through online platform. A total of 64 projects (Civil: 15, CSE: 13, ECE: 14, EEE: 5 & MECH: 17) were presented under five tracks.

INSTITUTION'S INNOVATION COUNCIL
 (Ministry of HRD initiative)

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KINGS SCIENCE EXPO-2020
 Organized by
Kings - Research & Development Section
 05th June, 2020
 web:www.kingsindia.net

CALL FOR PROJECTS

CIVIL
 Fiber Reinforced Concrete
 Load Deformation Behaviour
 Flood Forecasting
 GIS & Remote Sensing Applns.
 Occupation for Colour Removal
 Riverbank Filtration
 Earthquake Geotechnical Engg.
 Ground Improvement
 Safety, Accident Analysis
 Intelligent Transport Systems

CSE / IT
 Natural Computation
 Computational Game Theory
 Continuous & Real-time Computation
 Distributed Algorithms
 Design & Analysis of Algorithms
 Inspiration of Biological Computing
 Nature Inspired Computing
 Model Theory for Computation
 Information & Commn. Complexity
 Graph Algorithms

ECE
 Modeling and Simulation
 Antennas & Microwave Engng.
 ASIC / SOC / NDC
 Biomedical Engineering
 Embedded System / VLSI Design
 Image / Signal Processing
 MEMS and Pico System Integration
 Optimization Techniques
 Terrestrial & Space Optical Networks
 Wireless / FSO

EEE
 Renewable Energy - Green Energy
 Bio-medical Instrumentation
 Power Electronics
 Power Systems
 Modern Power Systems
 Smart Grids
 VLSI in Power Electronics/Systems
 Embedded Systems
 Electrical Machines and Drives
 Control Systems & Instrum.

MECH
 Renewable Energy Technology
 Production & Energy Management
 Robotics & Industrial Automation
 CAD/CAM
 Materials
 Manufacturing
 Safety Engineering
 Nano Composites & Characterization
 Design & Analysis
 MEMS

Registration Dates
 Submission of Abstract : 02.06.2020
 Acceptance Notification : 03.06.2020
 Last Date for Registration : 04.06.2020

Registration Fee
 : Rs. 100/team
 Internal (KCE) : No Fees

Attractive Prizes

Organizing Committee
 Chief Patron: Dr. R. Rajendran
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 Co Patron: Dr. S. Sivakumar
 Organizing Chair: Dr. P.P. Shantharaman
 Organizing Secretaries: Dr. M. Meenachandran, Mr. T. Pasupathi
 Secretary: Mr. T. Uthayakumar, Asst. Prof./SAH
 Chief Executive Officer: Mr. T. Bhuvaneshwari, Asst. Prof./CIVIL

Programme Flyer

SPECIFIC GRAVITY

Specific gravity = 2.7

vijay venkadesan

Also in the meeting (3)

Priya Maha

Revathi Civil

vijay venkadesan

Screenshot of the participant presenting

AICTE - PMKVY-TI

Course Name	Assessment Date
Assistant Surveyor	30.01.2020
Maintenance Fitter	01.02.2020
Welding Technician Level 4	07.02.2020
Bar Bender	07.02.2020
Field Technician – Computing & Peripherals	10.02.2020
Field Technician – Networking & Storage	
Wireman – Control Panel	
Solar Panel Installation Technician	
CCTV Installation Technician	



A view of the participants during the assessment along with examiner from Skill Council

Staff Participation in ICT Mode STTPs conducted by NITTTR, Kolkatta & Chandigarh**NITTTR Kolkatta**

- STTP on **Control and Automation** during 18.11.2019 to 22.11.2019. 14 staff members participated.
- STTP on **Indian Electricity Rule and Code of Practices** during 16.12.2019 to 20.12.2019. 18 staff members participated.
- STTP on **Measurement Issues of Laboratory and Workshop Class (ICT13)** during 04.11.2019 to 08.11.2019. 10 staff members participated.
- STTP on **Introduction to Network Security (ICT05)** during 24.06.2019 to 28.06.2019. 23 staff members participated.
- STTP on **Rural Development through Technical Institution (ICT08)** during 29.07.2019 to 02.08.2019. 23 staff members participated.
- STTP on **Analysis and Design of Shallow Foundations (ICT10)** during 26.08.2019 to 30.08.2019. 11 staff members participated.
- STTP on **Water Pollution and Health (ICT12)** during 21.10.2019 to 25.10.2019. 10 staff members participated.

NITTTR Chandigarh

- STTP on **5G COMMUNICATIONS** during 18.11.2019 to 22.11.2019. 15 staff members participated.
- STTP on **Artificial Neural Networks and its Applications** during 27.01.2020 to 31.01.2020. 28 staff members participated.
- STTP on **Embedded System and IoTs** during 23.09.2019 to 27.09.2019. 27 staff members participated.

CERTIFICATE Received from MoE

