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METRON

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION

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VISION

The department strives to enrich professionals of high competency in the arena of Instrumentation Engineering & mould them to adopt the crux of matter in the field of Automation

MISSION

To prepare the students to envisage beyond the hypothetical thinking & belong to a new era of acquisition & application of Instrumentation Technology to meet the requisition of the changing world

Webinar on opportunities in Instrumentation Engineering.

Department of Electronics & Instrumentation conducted a Webinar in Oppertunities in Instrumentation for for Engineering aspirants and their parents on 14th August 2021 in online mode. Mr.Akhil V Jose, Technical Lead KPIT Technologies and Mr. Akhil K J, Project Proposal Engineer, Yokogawa PVT Ltd handled the webinar and described about the Instrumentation Technology, its Trends and oppertunites. Many number of plus two passout students and their parents, Instrumentation Engineering/diploma students from different area participated in the event.

CONDUCTED ALUMNI INTERACTION

The Department of Electronics and Instrumentation Engineering organizes an Alumni interaction with the current batch students on Saturday, 25th September 2021 through Google meet. The event starts with a prayer. The head of the department, Dr.G.Glan Devadhas, delivered a welcome speech, followed by the presidential address by the principal Dr.Benny Joseph and a benedictory address by the manager Rev. Fr James Chellamkottu. In the idea exchange forum Ms.Thulasi M Santhi, Research Scholar, NIT Trichy who has studied during 2010-2014, shares her experience. She explained how she benefited in her research career by choosing the multi-disciplinary area like Applied Electronics and Instrumentation Engineering at the undergraduate level. Mr.Bijo Joseph, product market specialist at ABB India Limited, who studied in the 2011-2015 batch, shares his industrial exposure, the demand of instrumentation engineers in the automation industry. He also expresses his gratitude to the department and the college. All the students and faculty members of Electronics and Instrumentation Engineering have actively participated in the event. At the end of the meeting Ms.Shamya, Assistant professor of the EIE department, delivers the Vote of Thanks. Department alumni incharge Ms. Reshma KV, Assistant Professor EIE, coordinated the Event



VIMAL JYOTHI ENGINEERING COLLEGE

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

Congratulations

Eurocon Instruments Pvt Ltd



Akshay K



Anandhu Prakash

Satt Industrial Automation Private Limited



Abhishek K



Jince Joseph

Solaric Control System



Robin Jose

Infosys, Qspider



Jis Mathew

Digital Instruments & Control systems



Sarath Chandran



Mathew Sebastian



Pranav C

Accurate Automation & Control



Sreehari



Yadulekh J

Primo Automation Systems Private Limited



Vishnu KK



Amal Raj P

PLACEMENT 2017-21 BATCH



Elite

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




This certificate is awarded to
SALVIN JOSE K
for successfully completing the course

Stress Management

with a consolidated score of **60** %

Online Assignments	21.42/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **974**


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

Jul-Aug 2021
(4 week course)


Prof. Debjani Chakraborty
 Coordinator, NPTEL
 IIT Kharagpur



Indian Institute of Technology Kharagpur



Salvin Jose K – S4 AEI



Elite

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



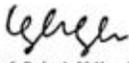

This certificate is awarded to
SNEHA JOSE
for successfully completing the course

Fuzzy Sets, Logic and Systems & Applications

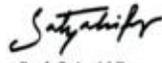
with a consolidated score of **92** %

Online Assignments	25/25	Proctored Exam	66.75/75
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Total number of candidates certified in this course: **175**


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

Jan-Apr 2021
(12 week course)


Prof. Satyaki Roy
 NPTEL Coordinator
 IIT Kanpur



Indian Institute of Technology Kanpur



Sneha Jose- S6 AEI

VIMAL JYOTHI ENGINEERING COLLEGE

**FIRST YEAR
APPLIED ELECTRONICS AND INSTRUMENTATION DEPARTMENT
ONAM CELEBRATION BY HELPING THE NEEDY**



FACULTY PARTICIPATION

- Ms. Shamy A & Ms. Jinsa Mathew attended 5 day online FDP on Incultation Universal Human Values in Technical Education conducted by Aicte, from 2nd August to 6th August 2021.
- Mr. Jollykutty Sebastian attended online elementary FDP on "Sensor Technology in Lifestyle Enrichment" from 2/8/21 to 6/8/21 at EASWARI Engineering Collage.
- Mr. Jollykutty Sebastian attended FDP on 'IOT framework for agriculture sector' from 6/9/21 to 10/9/21 at LBS college of engineering kasargod.
- Ms. Shamy A & Ms. Jinsa Mathew attended webinar on how to conduct SIP, on 20th September 2021

PTA MEETING CONDUCTED

The Online PTA Meeting for s2 & S4 AEI was conducted on 09th September 2021 through the Online Platform Google Meet. Dr. G Glan Devadhas HOD EIE welcomed the gathering. Principal Dr. Benny Joseph Management representative and PRO Mr. Sebastian Puthenpura also addressed the gathering. HOD Dr. G Glan briefed about ongoing online classes and their progress. Principal communicated the importance of academics, online classes, internal exam, coming contact class, university exams and Covid-19 vaccination.

INSTRUS 2021

Department of Electronics & Instrumentation conducted Techfest “INSTRUS 2021” from 29th September to 3rd October 2021, for students of Applied Electronics & Instrumentation Engineering Students. Around ten events conducted through the online platform like Technical Quiz, Logic Maze, Documentation, Signal generation etc. This event is conducted to make students learn different concepts in engineering, And to make them familiar with some useful tools such as simulation software (Proteus, EasyEDA, Thinker-CAD), electronic equipment, different controllers, etc.

POs and PSOs of Department

POs

Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering application to the solution of complex engineering problems.

Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conditions using first principles of mathematics, natural sciences & engineering sciences.

Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health & safety and the cultural, societal and environmental considerations.

Conduct Investigations of Complex Problems: Use research based knowledge and research methods including design of experiments, analysis & interpretation of data, and synthesis of the information to provide valid conclusions.

Modern Tool Usage: Create, select & apply appropriate techniques, resources & modern engineering & IT tools including prediction & modeling to complex engineering activities with an understanding of the limitations.

The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal & cultural issues & the consequent responsibilities relevant to the professional engineering practice.

Environment and Sustainability: Understand the impact of the professional engineering solutions in societal & environmental contexts and demonstrate the knowledge of and need for sustainable development.

Ethics: Apply ethical principles & commit to professional ethics and responsibilities and norms of the engineering practice.

Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multi disciplinary settings.

Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.

Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one own work, as a member and leader in a team, to manage projects and in multi disciplinary environments.

Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PSOs

Students will have the ability to explore the design, installation & operation of the basic instrumentation systems used in industrial environments.

Students will have a strong foundation in mathematical, scientific & engineering fundamentals necessary to formulate, solve & analyze instrumentation problems related to industry & research



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