METRON

VIMAL JYOTHI ENGINEERING COLLEGE
ELECTRONICS & INSTRUMENTATION ENGINEERING DEPARTMENT

VOLUME 9 ISSUE 4 DECEMBER 2018

VISION & MISSION OF THE DEPARTMENT

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

INSIDE THIS ISSUE

"Science can amuse and fascinate us all, but it is engineering that changes the world."
—Isaac Asimov

IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING, INSTRUMENTATION AND CONTROL TECHNOLOGIES (ICICICT-2019)

Department of Electronics & Instrumentation Engineering is organising the second **IEEE International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT-2019)** ", during 05th -06th July 2019 with the theme of ***Intelligent Systems for Smart World***. The registered and presented papers will be eligible for submission to the IEEE digital explore library for publication with ISBN XPLORE COMPLIANT 978-1-7281-0283-2 3 .The Extended version of the conference papers will be published in SCI,SCOPUS indexed journals.

Important Dates

Full Paper Submission	4th March 2019
Notification of Acceptance	5th April 2019
Camera Ready Paper Submission	6th May 2019
Author's Registration	6th May 2019
Conference Date	5th, 6th July 2019

Project Funding

Following projects selected for funding under 'CERD - Research Seed Money Scheme' of KTU

"Development of smart SCADA structure for intelligent rainfall prediction in Kerala and realtime flood level alerting system"

Principal Investigator: Dr. Glan Devdhas

"Puttumatic – Automatic puttu making machine"

Principal Investigator: Dr. V Sampath Kumar

Recommended Technology Demonstration Proposals of Participating Institutions by SEGs under Unnat Bharat Abhiyan 2.0 (MHRD)

- Coconut leaf broom making machine; Principal Investigator – Dr. V Sampath Kumar.
- Solar Coconut Dryer; Principal Investigator – Dr. V Sampath Kumar.

Faculty Initiatives

- Dr. V Sampath Kumar - Journal submitted to IET signal processing.
- Dr. V Sampath Kumar - Registered for ARIIA frame work.
- Dr. V Sampath Kumar established MHRD innovation cell in VJEC
- Dr. V Sampath Kumar have included VJEC under 2f of UGC
- Dr. Glan Devdas has initiated activities for International conference.

Faculty Achievements

Mr. Muhamed Jishad T K has completed NPTEL online course with Elite Certification.

Industry Visit

S7, S3 and S1 students form the department completed industry visit from 18/10/2018 to 21/10/2018.

Placements

Students placed in Infiniz IT Solutions from our department

Mr. Yadukrishnan Mavila

Mr. Jithin P K

Mr. Jerlin Joykutty

Ms. Dayana Jose

Upcoming Events

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.