



## 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

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“You’re either the one that creates the automation or you’re getting automated.”  
— Tom Preston-Werner

# METRON

VIMAL JYOTHI ENGINEERING COLLEGE  
ELECTRONICS & INSTRUMENTATION ENGINEERING DEPARTMENT

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## PLACEMENT ORIENTED TRAINING PROGRAM FOR S8 STUDENTS

MOU for placement oriented training for S8 Students of AEI has been signed with Prolific Systems. With the help from prolific systems, the Department of Electronics and Instrumentation will conduct a 21 day Pre-placement training program in industrial automation. This is a PGDIA program (Post Graduate Diploma in Industrial Automation) conducted in accordance with the MOU between the department and PROLIFIC systems, kochi. Upon completion of the training, the student will learn about core technologies in industrial automation like PLCs, DCS, VFDs etc which helps the student to attend interviews in core instrumentation based companies.

The first phase of the training program was conducted from 27/11/2017 to 01/12/2017 and the second phase is scheduled to conduct in February.



## Faculty Achievements

- Dr. Glan Devdhas Chaired a technical session in IEEE International Conference at Mar Baselious College of Engineering & Technologies
- Dr. Glan Devdhas Delivered a lecture in FDP at Arunachala College of Engineering on Transducer's and its applications.
- Dr. V Sampath Kumar obtained membership in CSTA

## Training Attended by Faculty

- Dr. V Sampath Kumar attended 5 day KTU sponsored FDP on Electronic design automation in Vimal Jyothi Engineering college from 18.12.17 to 22.12.17 conducted by Department of ECE.
- Ms. Reshma K V Attended 5 day KTU sponsored FDP on Electronic design automation in Vimal Jyothi Engineering college from 18.12.17 to 22.12.17 conducted by Department of ECE.
- Dr. V Sampath Kumar attended two week FDP “Topical Transcend in smart grid technologies” at VJEC from 4<sup>th</sup> to 9<sup>th</sup> December 2017.
- Dr. Glan Devdhas attended two week FDP “Topical Transcend in smart grid technologies” at VJEC from 4<sup>th</sup> to 9<sup>th</sup> December 2017.
- Mr. Muhamed Jishad T K attended two week FDP “Topical Transcend in smart grid technologies” at VJEC from 4<sup>th</sup> to 9<sup>th</sup> December 2017.
- Dr. Glan Devdas attended two week FDP on Entrepreneurship at Amrita Vidyapeetham
- Ms. Shanya A attended 5 day KTU sponsored FDP on Emerging field of mathematics for researchers at College of Engineering Thalassery during 18 to 22 December 2017.
- Mr. Abdul Latheef attended an FDP on Nano Transistor based design at GCE Kannur during 5<sup>th</sup> to 9<sup>th</sup> December 2017.
- Ms. Divya K Attended 5 day KTU sponsored FDP on Emerging field of mathematics for researchers at College of Engineering Thalassery during 18 to 22 December 2017.
- Dr. V Sampath Kumar participated in Idea Validation Boot Camp at Trichy
- Dr. V Sampath Kumar participated Hacker Earth - My idea program

## Student Achievements

S6 AEI Students Kathik Raj P K, Rahul K, saidas K T, Sourav K and Robin Ramesh participated in Restaurant Automation Robo competition at SRISHTI – 2018, Saitgits college of engineering, Kottayam.



## Exhibition at Marygiri HSS by AEI Students

AEI Department has exhibited projects, instruments and working models during the Silver Jubilee Celebration of Marygiri Senior Secondary School on 12<sup>th</sup> and 13<sup>th</sup> January, 2018,



## Class Committee Meeting

S6 and S4 AEI 1<sup>st</sup> Class Committee Meeting was held on 8/01/2018

## Farewell to Ms. Elizabeth George



## Charity Pilgrim of 1<sup>st</sup> Year AEI Students to Mythri Bhavan, Edoor



## Forth Coming Events

### Department tech fest

Department tech fest of EIE Department is scheduled to conduct on 6<sup>th</sup> March 2018.

General Co-ordinator : Ms. Reema Mathew (HOD)

Student Co-ordinators : Jeffin Jaison – S8

Thara P Murali – S6

Staff Co-ordinators : Mr. Clint Augustine

Ms. Achala Prasad



# 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.



## EDITORIAL BOARD

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