



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

- ✓ WELCOME OUR NEW MANAGEMENT TEAM MEMBERS- PAGE 1
- ✓ SUMMER @ VJEC- PAGE 1
- ✓ CHARITY PILGRIM- PAGE 1
- ✓ CAMPUS PLACEMENT- PAGE 2
- ✓ STUDENTS ACHIEVEMENTS- PAGE 2
- ✓ BID ADIEU -PAGE 3
- ✓ FACULTY PUBLICATIONS AND FDP/WORKSHOP- PAGE 3
- ✓ FAREWELL TO OUR BELOVED MANAGEMENT TEAM MEMBERS- PAGE 3
- ✓ UPCOMING EVENTS- PAGE 4

“A good scientist is a person with original ideas. A good engineer is a person who makes a design that works with as few original ideas as possible. There are no prima donnas in engineering” –
Freeman Dyson

HEARTFELT CONDOLENCES



Ms. Shelmi Babu (2014-18 batch)

METRON

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WELCOME OUR NEW MANAGEMENT TEAM MEMBERS

Hearty welcome to our new Management team **Rev.Fr.James Chellamkottu**, Manager and **Rev. Fr. Subin Rathapally**, Warden, VJEC.



SUMMER @ VJEC

An Introductory program to Engineering ‘**Summer @ VJEC**’ were organized for high school students in order to enhance their skills in science and engineering. It was conducted on 20th and 21st May 2019 and co-ordinated by Mr. Shinu M M & Ms. Achala Prasad. Department of Electronics & Instrumentation Engineering organized a workshop on **Autonomous Android Controlled Robot Design**.



CHARITY PILGRIM

The first year (2018-22batch) students of E& I department visited Psycho-Social Rehabilitation Centre, Vellad on 10th April 2019 as a part of charity pilgrim.



PLACEMENT TRAINING



Final phase of 24 days Placement training by PROLIFIC systems

FACULTY PUBLICATIONS

- Dr Glan Devadhas - Increasing the coverage area using microcells in hybrid GFDM system based on ROF Technology, IJRET, Vol1 (Scopus), 2.
- Dr Glan Debadhas - Improved least mean square algorithm for 5G signal in microwave - IJEAT, vol (8) (SCOPUS)
- Dr Glan Devadhas- Non linearity mitigation and dispersion reduction using Busgang theorem, modified MSE and improved MLE equalizers, ELSEVIER (SCOPUS INDEX)

FDP/ WORKSHOP ATTENDED

- Ms Reema Mathew attended AICTE sponsored FDP on Research Challenges in Bio signal and Image organized by ECE department, Vimal Jyothi Engineering College
- Ms Jinsa Mathew & Ms Divya K attended one day workshop on Video Content Preparation, Vimal Jyothi Engineering College

CAMPUS PLACEMENT 2018-19



PRATYUSH M V (AEI)
AGILE BUSINESS CONSULTING



JITHIN P K (AEI)
INFINIZ IT SOLUTIONS



YADUKRISHNAN MAVILA (AEI)
INFINIZ IT SOLUTIONS



JERLIN JOYKUTTY (AEI)
INFINIZ IT SOLUTIONS



SAJIN JANARDHANAN (AEI)
ACCENTA EDUCATION



RAHUL K (AEI)
CMS IT SERVICES



ROHAN SAJEEV (AEI)
CMS IT SERVICES



SOBIN K SUNNY (AEI)
CMS IT SERVICES



SREEDAS A (AEI)
ACCENTA EDUCATION



ANAND RAJ (AEI)
ACCENTA EDUCATION



DAYANA JOSE (AEI)
INFINIZ IT SOLUTIONS



JISS JAISON
UL Technology Solutions



THARA P MURALI
UL Technology Solutions



JERLIN JOYKUTTY (AEI)
DIYA SYSTEMS

STUDENTS ACHIEVEMENTS

CONGRATULATIONS



JOYAL JOY
ELITE-GOLD
92%



FEBIN J NALAPPAT
ELITE-SILVER
88%

VIMAL JYOTHI ENGINEERING COLLEGE
ELECTRONICS AND INSTRUMENTATION
ENGINEERING DEPARTMENT



ASWAD S KUMAR
ELITE
73%



NEERAJ K
ELITE
65%



HARINAND K
ELITE
60%



ASWIN SUDHAN
50%



SHAHBAS PP
46%

BID ADIEU

The department along with the college has organized farewell party for the final year students on 2nd May 2019. Staff and faculty of the department bid farewell for the outgoing students.



FAREWELL TO OUR BELOVED MANAGEMENT TEAM MEMBERS



Fr. Dr. Thomas Melvettath
Chairman



Rev. Fr. Jinu Vadakkemulanjanal
Administrator



Rev. Fr. Vipin Vemmenikattayil
San Jose Hostel Warden

UPCOMING EVENTS

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 XPLORÉ COMPLIANT 978-1-7281-0283-23 .The Extended version of the conference papers will be published in SCI, SCOPUS indexed journals

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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