About the College

Viswajyothi College of Engineering and Technology (VJCET) is yet another hallmark of the commitment and experience of Catholic Diocese of Kothamangalam in the field of education. Established in the year 2001 as a self-financing Engineering College affiliated to Mahatma Gandhi University, Kottayam. Presently, it is affiliated to APJ Abdul Kalam Technological University. Viswajyothi College of Engineering and Technology has grown manifolds and has earned the reputation as a trendsetter in Engineering and Management education. The college now offers six B. Tech. Degree programs in ECE, CSE, IT, ME, EEE & CE; three M. Tech. programmes in highly specialised areas under the departments of ECE, CSE & ME and an MBA program under the Department of Management Studies. The institute has been continuously striving for excellence in education and research with an introduction of research and development centre in the campus. Presently, all the UG programmes of the institute are accredited by NBA.

About the Department

The Department of Mechanical Engineering is one of the oldest departments in this institute. At present, the department offers one undergraduate programme – B. Tech. (Mechanical Engineering) and one post graduate program – M. Tech. (Industrial Engineering and Management). The department also offers Ph.D. programme under APJ Abdul Kalam Technological University in various fields of Mechanical Engineering. The department faculty consists of well-qualified and experienced professionals having a proven track record in academics, industry and research. B. Tech. Mechanical Engineering program is accredited by National Board of Accreditation in June 2018 for three years.

Patron

Mar George Madathikandathil, Bishop of Kothamangalam

Manager

Rev. Msgr. Dr. Cherian Kanjirakompil

Director

Rev. Fr. Paul Nedumpurath

Principal

Dr. Rajan K.K.

Chair Person and Course Coordinator

Dr. K. Shunmugesh, HoD, Mechanical Department, VJCET

Course Co-ordinators

Mr. Arun K, Asst. Professor – Mech. Engg, VJCET

Mr. Arun Raphel, Asst. Professor – Mech. Engg, VJCET

For further details contact:

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For the location & Address please scan the code below

"Moulding Professionals par Excellence with Integrity, Fairness and Human Values"

AICTE Sponsored one week online Short Term Training Programme (STTP) on

IoT BASED MANUFACTURING AND DESIGN - CHALLENGES AND OPPORTUNITY

Phase 1: 23rd - 28th November 2020

Phase 2: 14th - 19th December 2020

Organized by

Department of

MECHANICAL ENGINEERING

VISWAJYOTHI
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

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About the Course

Internet of Things (IoT) is a rapidly growing technology that has drastically contributed to the Industry 4.0 realization. IoT pursues to pervade our everyday environment and its objects, linking the physical to the digital world and allowing people and "things" to be connected anytime, anywhere, with anything and anyone ideally using any network and service. This course is intended to discuss the research challenges and opportunities in IoT applications for smart manufacturing and smart design. The course focuses on the topics such as Industry 4.0, Digital Manufacturing, Smart Design and manufacturing, High Performance Computing, simulation of advanced materials processing, smart inspection and metrology, smart sensing technologies, Machine Learning Techniques in smart manufacturing, predictive data analytics for manufacturing systems, IoT for supply chain management and inventory systems etc.

Tentative Topics to be Covered

The course focuses on the topics such as

- Industry 4.0
- Digital and Intelligent Manufacturing
- Smart Design and Manufacturing
- AI and Machine Learning in Design and Manufacturing
- Industrial Internet of Things (IIoT)
- Internet of Things (IoT) and its applications
- Big Data and Advanced Data Analytics

Objective

- To disseminate the knowledge in IoT applications for smart manufacturing and smart design to faculty members, researchers, engineers, students and industry personnel.
- To disseminate the knowledge in AI and Machine Learning in Design and Manufacturing
- To impart the knowledge in Industrial Internet of Things (IIoT), simulation and modeling and big data analytics

Outcome

- Understand the vision of IoT from a global context
- Understand the Application of IoT in smart manufacturing and smart design
- Understand the knowledge in AI and Machine Learning in Design and Manufacturing

Resource Persons

Eminent experts from IITs, IISc, reputed institutions and Industry will share their expertise

Eligibility Criteria

This STTP is open to Faculty members from AICTE approved Engineering /Polytechnic Colleges working in the departments (Mech, Production, Mechatronics, Robotics and Automation, ECE, EEE, IT, CSE) will be given preference. Interested Engineers from industries may also apply. Eligible participants are requested to send the filled application and sponsorship certificate to the correspondence address or scanned copy of the filled form through mail on or before the last date.

Registration fee

No registration fees, however, attendance will be monitored and E-certificate will be awarded based on the minimum of 80% attendance and performance in the test, as per AICTE guidelines

Schedule of the STTP

This STTP program will be conducted in two phases from November 2020 to December 2020. The schedule for the phases are as indicated below:

Phase 1 : **23rd - 28th of November 2020**

(Last date for registration : 19th of Nov. 2020)

(Intimation of selection : 21st Nov. 2020)

Phase 2 : **14th - 19th December 2020**

(Last date for registration : 9th Dec. 2020)

(Intimation of selection : 11th Dec. 2020)