

## **GYAN GANGA INSTITUTE OF TECHNOLOGY AND SCIENCES, JABALPUR**

### **DEPARTMENT OF ELECTRICAL & ELCTRONICS ENGINEERING**

The aim of this training is to use various non-traditional methods to inculcate algorithmic and systematic approach towards the solution of any real life problem.

- Fundamentals of C/C++ programming.

C/C++ programming language is the language of choice for multi-device, multi-platform app development.

- Hands on training on Transformer Fabrication & PCB design Software based training on - Edwin XP, LABVIEW & TINA Pro

Students are trained to design and test the transformer and electronic circuits. This training is the first of many training that help them in project development in field of electrical and electronics engineering.

- Training on MATLAB programming.

MATLAB is a versatile platform where students can focus designing new and complex algorithm and applications and Simulink Models.

- Training on Programmable logic Control (PLC) and SCADA Systems

This training provides the knowledge of industrial control system that is used to monitor and control facilities and infrastructure in industries.

- Training on Mi-power Software for power system Analysis

Mipower is state of the art window base Power System Software. MiPower is highly interactive, user friendly software for all analysis, planning, design and simulation on any given Power System irrespective of the geographical and environmental constraints.

- Workshop on Scilab/eSim/Python (Certification course by IIT Bombay).

Spoken tutorials by IIT Bombay has many courses where they provide certificates to students and faculty if they complete the training and test.

- Various NPTEL Courses by IIT under local chapter 'Swayam'.

Gyan Ganga has student chapter of NPTEL called Swayam. Due to this students can enroll and complete any course of interest from IIT and get a certificate. Webinars and doubt clearing sessions are organized by IIT in Gyan Ganga.

#### **Industrial Visits:**

- M/S Bansala Engineers, Jabalpur

Students are learned about the manufacturing of transformer and its assembling for industrial purpose.

- Telecom Training Centre Jabalpur (BRBRAITT BSNL)

This is a world class Telecommunication training center used to train newly appointed Telecom Engineers of BSNL.

- The Coca-Cola Company (TCCC), Jabalpur

Students understand the process of manufacturing of Coca-Cola products and also understand the industrial culture.

- Central Training Institute (CTI), Jabalpur

The Central Training Institute (CTI) , Nayagaon Jabalpur (M.P.) India and it is the apex training Institute of MPPKVCL (wholly owned by the Government of Madhya Pradesh) which provide Induction training, Refresher training , On-job Training and routine training for upcoming engineers.

- Rani Avanti Bai Lodhi Sagar (RABLS) Dam,Bargi Jabalpur

Students understand the concept of to the conversion of energy from flowing water into electricity. Bargi Dam has a capacity of hydropower generation capacity of 100 MW (2x45 MW + 2x5 MW).

#### **Students' Achievements:**

- More than 06 chancellor awardees by University.
- 90-100% placements every year.
- Academic results are 95-100% for every batch.
- 5-10% students go for further education in India and abroad.
- *Alumni achievements:*

#### **Faculty Achievements:**

- **Dr. Ruchi Pandey** Chaired the session of Two days International Conference on Advance Technologies in Renewable Energy for Future Sustainability (ATREFS 2019) on January 31<sup>st</sup> 2019, Bhopal India.
- **Dr. Ruchi Pandey** Delivered Lecture on “Grid Connected – SPV Rooftop Systems” on 19<sup>th</sup> Jan 2018 in TEQIP-III sponsored Faculty Development Programme on “Solar Energy- Entrepreneurship and System Design” in association with Solar Energy Society of India (SESI) organized by Department of Electrical Engineering, SV Polytechnic College, Bhopal from 15<sup>th</sup> Jan to 19<sup>th</sup> Jan 2018.
- **Dr. Ruchi Pandey** Received appreciation certificate from Institution of Engineers (India) for providing valuable services for evaluating the articles in February 2017.

- **Dr. Ruchi Pandey** Awarded as “International Researcher with most Feasible Concept” in the International Conference IC-IDSSIH 2016 organized in Thailand.
- **Prof Amit Gupta** invited as an Guest Speaker on Govt. polytechnic College, Jabalpur in conference on “Emerging Trends on Solar PV installations and its applications.
- Nearly all the faculties have received best faculty award by university in their subject of expertise.