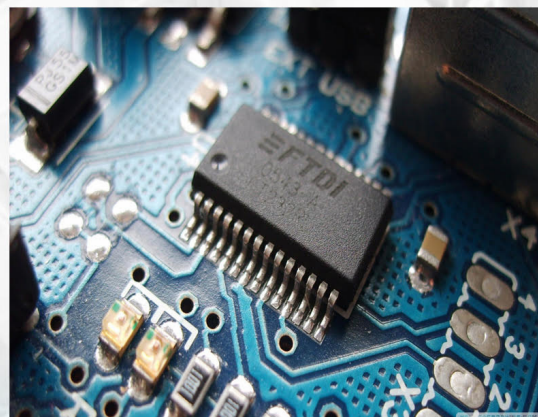


NOVEMBER 2018

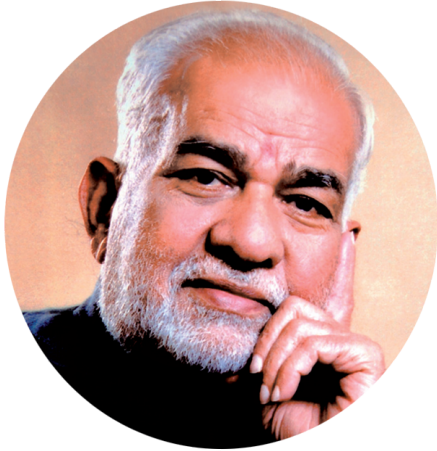
NEWS LETTER

VIT EC MAX



VISHNU INSTITUTE OF TECHNOLOGY
BHIMAVARAM

VISHNU INSTITUTE OF TECHNOLOGY



***Padma Bhushan
Dr. B. V. Raju***

Vishnu Institute of Technology, the scion of Shri Vishnu Educational Society was established in 2008 and is currently the eleventh educational institution to disseminate education under the aegis of this society. Nascent that it is, it combines in its matrix the lofty idealism of its Founder Chairman the Late Padmabhushan Dr. B. V. Raju, a distinguished industrialist, philanthropist and an eminent educationalist; the experience and vigour provided by the Chairman Sri K.V.Vishnu Raju, a man of holistic vision and his team comprising dexterous

administrators, reputed academicians and brilliant line of students. They constantly strive to make the institution join the ranks of prestigious technical institutions.

Campus

The Campus, sprawling over 100 acres, is located in the verdant atmosphere of Vishnupur, Bhimavaram. It is in the vicinity of the town and is well connected by rail and road. VISHNU also provides hostel facilities to students who opt for a residential mode of education. The hostels are constantly updated and provide an atmosphere conducive to pursue education.

Hands on Experience

To make the instruction in VISHNU more practical-oriented, special focus is on hands on experience. The Assistive Technologies Lab works in collaboration with the University of Massachusetts, USA to help students to combine technology with a humanistic outlook. Gadgets for the physically challenged are designed and developed here by students under the guidance of eminent professors both from the Institute and abroad. VISHNU aims at empowering students with technical skills and a "can-do" entrepreneurial spirit. The IBM Software Centre of Excellence in the campus provides students with best quality technical education there by increasing the skill set of each student and faculty for a great career.

EDITORIAL BOARD

Dr.P.S.N.MURTHY
Professor, ECE Dept.

Mr.G.PRASANNA KUMAR
Associate Professor, ECE Dept.

Mr. B.V.V. SATYANARAYANA
Associate Professor, ECE Dept.

Mr. B.PRUDHVI RAJ
Assistant Professor, ECE Dept.

Department of Electronics and Communication

The Department of Electronics and Communication Engineering was established in the year 2008 to start a 4-year B.Tech degree programme affiliated to Jawaharlal Nehru Technological University, Kakinada with an intake of 60. The intake was increased from 60 to 120 from the academic year 2009-2010. In addition to this, the department has 10% lateral entry students at II year level. For the Academic year 2012-2013 the department intake was increased to 180.

The Department has always been in the forefront in producing quality Engineers. The Department has excellent infrastructure facilities and resources in the form of modern equipment, faculty, library & references which always prove useful to our UG students. The department periodically organizes seminars, symposia, workshops and guest lectures for the benefit of both students and faculty.

HELM OF AFFAIRS

Academics are a continuing process of exploration, growth and sustenance. Today information explosion has brought about many changes. New ideas are generated, new interpretations are given and new applications are invented. The equations are changing very fast both in education and at the work place. Every day brings in new demands. One has to constantly upgrade to cope with the fast emerging trends. A software professional once said “We are training people in technologies to find solutions for problems that have not yet been identified”.



Moreover the roles and responsibilities of professionals are ever expanding making it imperative to move beyond the confines of the classroom and the stipulated curriculum and focus on the skills needed to cater to the needs of the society. Hence it has become imperative to all the stakeholders in education to arm themselves with the necessary knowledge, skills and attitude to keep themselves abreast of the rapid changes.

That explains everything—the Chairman’s message to the faculty to constantly update themselves with the emerging new technologies and concepts, the focus on research, paper presentations and publications, undertaking new projects, adopting new technologies for information collection and dissemination as well.

“The key to growth is the introduction of higher dimensions of consciousness into our awareness” -- Lao Tzu.

That is what the message of our Chairman does, to motivate us to action.

The stimulus has been given...

It’s time for response.

VISION OF THE COLLEGE

To ignite the minds of the students through academic excellence so as to bring about social transformation and prosperity.

MISSION OF THE COLLEGE

- To expand the frontiers of knowledge through quality education.
- To embody a spirit of excellence in teaching, creativity, scholarship and outreach.
- To provide a platform for synergy of academy, Industry and community.
- To inculcate high standards of ethical and professional behavior.

VISION OF THE DEPARTMENT

In pursuit of world class excellence in the field of Electronics & Communication Engineering by imparting quality education and promoting Research.

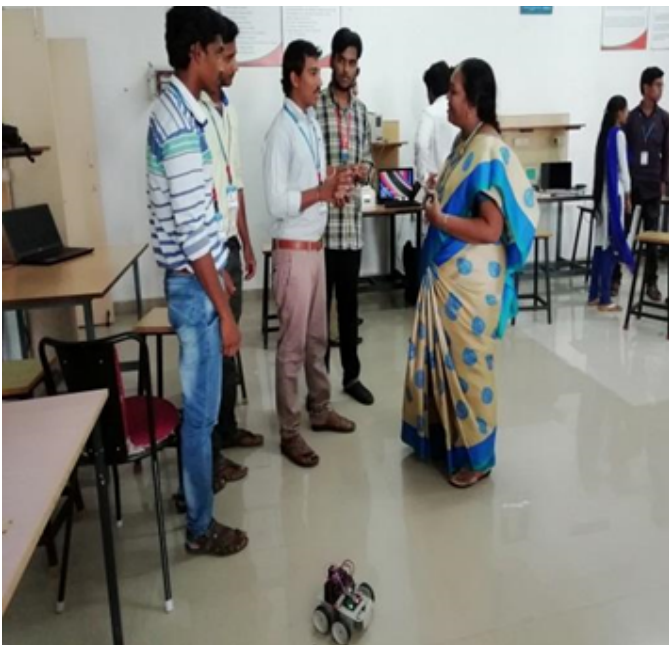
MISSION OF THE DEPARTMENT

- To empower students with knowledge and competencies in the field of Electronics & Communication Engineering conforming to International standards.
- To produce creative solutions essential to local and global needs in the field of Electronics & Communication Engineering.
- To mould the students professionally with a consciousness of moral values and professional ethical code.

ENGINEER'S DAY 2018



In the view of Engineer's Day behalf of IETE student forum the department conducted events like Project Expo, the students came with projects which helpful to society, the Department encouraged and appreciated with certificates and prizes.



NI LabVIEW Academy School

The National Instruments (NI) Laboratory , a Centre of Excellence has been started by Department of Electronics and Communication Engineering under the aegis of Vishnu Institute of Technology, Bhimavaram in collaboration with National Instruments (NI). This centre was inaugurated on 23-11-2017. This Center of Excellence has been recognized as NI LabVIEW Academy School within one year from date of establishment. The NI LabVIEW (Laboratory Virtual Instrumentation Engineering Workbench) Academy was initiated to establish connections and communication between different departments to create interdisciplinary specializations. The centre aims at interdisciplinary research programs, scientific research projects, research relationships with other research or distinguished researchers in collaboration with industry .

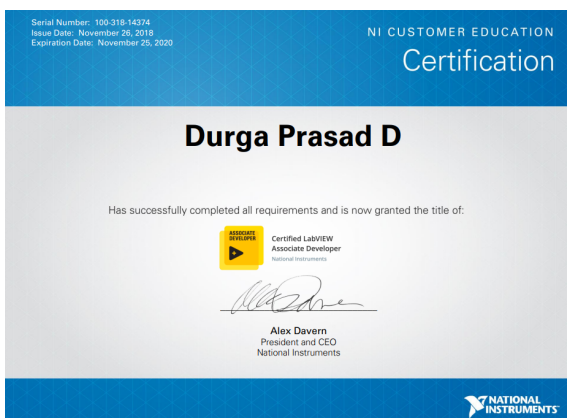
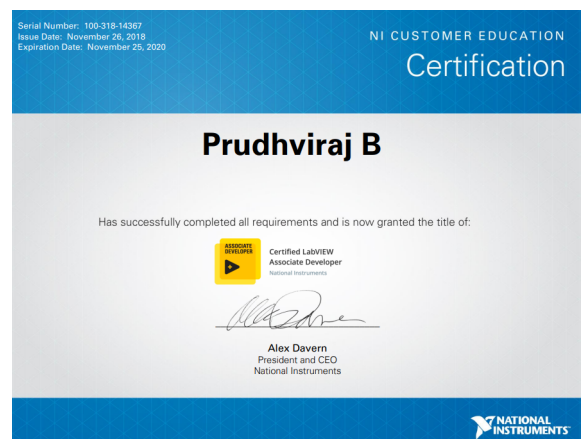
Objectives

- Conducting Training on LabVIEW software and related hardware to both students and Faculty of ECE, EEE and Mechanical engineering
- Transforms teaching - learning to Research and Development and industry collaboration Provide opportunities to integrate teaching, research and service
- Doing experiments beyond the curriculum and in-house real time projects
- Competing with strong engineering knowledge with globally challenging students of the premier institutes
- Career development, Internship and Placement opportunity for the students in core engineering industries with help from NI Corporation
- Conducting Faculty Development programmes, workshops, summer/winter courses, conferences
- Enhance partnership between researchers, scientist to create advance technologies

Inauguration of NI-COE



The following Faculty are Certified as LabVIEW Associate Developers in November 2018. Their Certifications helped to Recognize NI-COE as NI LabVIEW Academy School within a span of one year from the inauguration of NI-COE



R & D WORKS

I. Publications By Faculty

Paper Published

1. Padmavathy N, K Anusha, Dynamic Reliability Evaluation Framework for Mobile Ad-Hoc Network with Non-Stationary Node Distribution, Book Chapter, Communication and Computing Systems, CRC Press, Taylor and Francis, 2018
2. Naga Ganesh A, Michael Cholines Pedapudi, N.V.Apparao, “Design a Glitch Tolerant Adiabatic Dynamic Logic Circuits for Cryptography”, International Journal of Engineering & Technology (UAE), 2018.
3. Rama Krishna.Ch, A. Naga Ganesh, D.Durga Prasad, “Design of Elliptical Shaped Micro- Strip Patch Antenna for Ka Band” International Journal of Research and Analytical Reviews, 5(3), pp. 961-965, 2018. (UGC Approved).
4. B.Prasanthi, “An Efficient Area and Delay Reduction for Architecture of 256 bit Carry Select Adder”, International Journal of Management Technology and Engineering, 8 (X), pp.337-344, 2018. (UGC Approved)

II. Work Shops

Title	:	Artificial Intelligence with Machine Learning
Workshop	:	
Event and Date	:	27th and 28th October 2018.
Trainer	:	Technophilia Solutions.
Organizers	:	Indian Institute of Technology, Hyderabad.
Participants	:	Mrs. Prasanthi Boyina, Assistant Professor

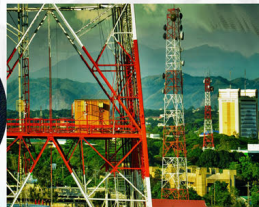


NEWS LETTER

VIT EC MAX



Electronics and communication



VISHNU INSTITUTE OF TECHNOLOGY
BHIMAVARAM

