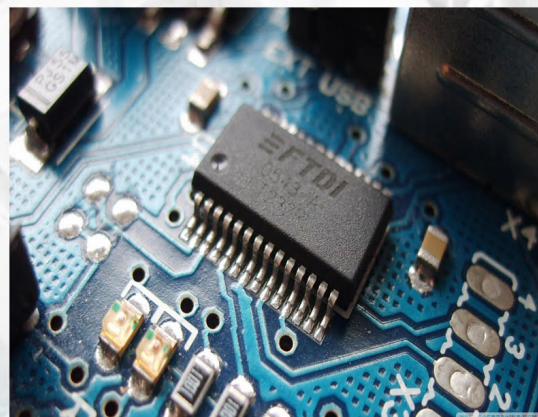


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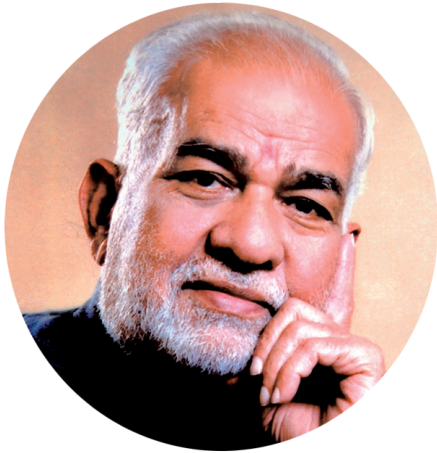
NEWS LETTER

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

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.

IETE Day Event

On the occasion of IETE day (1st February'2020), IETE Student Forum of ECE Department conducted an event to the students to present their innovative ideas.

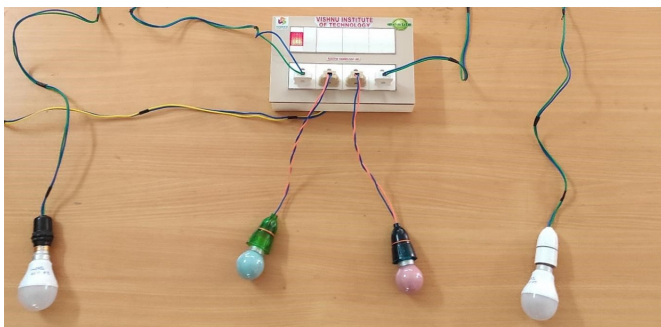


Assistive Technology Lab CENTRE OF EXCELLENCE

The list of products that are developed at ATL during the academic year 2019-2020 are:



Smart belt for visually challenged people



Home automation with voice assistance for people with limited mobility



E-stick for visually challenged people

DRONE CENTRE OF EXCELLENCE

A Workshop based on **Autonomous drones** is organized by Drone Centre of Excellence team on 29-02-2020 and 30-02-2020 under the supervision of Mr. Vishnu, Technical Engineer, Propeller Technologies Pvt.ltd.



A Workshop based on **Autonomous Agricultural spraying drones** is organized by Drone Centre of Excellence team from 12-02-2020 to 14-02-2020 under the supervision of Mr. Ashik Rehman, CEO, Propeller Technologies Pvt.ltd, Mr. Vishnu, Technical Engineer, Propeller Technologies Pvt.ltd.

Few students recognized by Newspaper photos:

ఎలాన్-ఎన్విజన్లో భీమవరం విద్యార్థులు

ఈనాడు, సంగారెడ్డి: సంగారెడ్డి శివారు కుందిలోని ఐబిటి (హైదరాబాద్) వేదికగా సాగుతున్న సాంకేతిక, సాంస్కృతిక ఉత్సవాల్లో (ఎలాన్-ఎన్విజన్) తెలుగు రాష్ట్రాల్లోని వివిధ ప్రాంతాల నుంచి వచ్చిన ఇంజనీరింగ్ కళాశాలల విద్యార్థులు ఉత్సాహంగా పాల్గొంటున్నారు. తమ ఆవిష్కరణలను ప్రదర్శిస్తూ సందడి చేస్తున్నారు. వేడుకల రెండోరోజు శనివారం భీమవరం విష్ణు కళాశాల విద్యార్థులు సూర్య, సుమన్, మోహన్, చందు... తాము రూపొందించిన డ్రోన్‌ను ప్రదర్శించారు. వీరంతా టీబిఎక్ మూడో సంవత్సరం చదువుతున్నారు. నాలుగు నెలలు కృషి చేసి సొంతంగా డ్రోన్‌ను తయారు చేశారు. గంటకు 120 కిలోమీటర్ల వేగాన్ని అందుకోవడం దీని ప్రత్యేకత. రూ.30 వేల వరకు ఖర్చు చేశారు. అధ్యంతులను అధిగమిస్తూ 59 సెకన్లలోనే తమ డ్రోన్‌ను గమ్యానికి చేర్చారు.



వేగంగా దూసుకెళ్లే డ్రోన్‌ను రూపొందించిన భీమవరం కుల్రోట్ల ప్రత్యేకత. రూ.30 వేల వరకు ఖర్చు చేశారు. అధ్యంతులను అధిగమిస్తూ 59 సెకన్లలోనే తమ డ్రోన్‌ను గమ్యానికి చేర్చారు.



డ్రోన్ పరికరాల పరిశోధనకు తుంకలపేట ఏజిటో క్యూబ్ రాజేంద్రప్రసాద్

I. PUBLICATIONS BY FACULTY

Paper Published

1. CH.V.V.S.Srinivas, M.V.R.V.Prasad, M. Sirisha, "Remote Sensing Image Segmentation using OTSU Algorithm", International Journal of Computer Applications (0975 –8887), Volume 178 – No. 12, pp.46-50, 2019.
2. A.K.C.Varma, M.V.R.V.Prasad, A.Madhavi, "Vehicle Number Plate Detector", International Journal of Computer Applications (0975 –8887), Volume 178 – No. 13, pp.12-15, 2019.
3. R.Bharat Kumar, CH. V. V. S. Srinivas, Abdul Rahaman Shaik, " Image Forensic Analysis And Recognition In Copy-Move Using Bag Of Features And Svm", International Journal of Engineering Trends and Technology (IJETT) – Volume 67 Issue 5, pp.1-6, 2019.
4. Satyanarayana B V V and M. Durga Prakash, "Low Power Silicon-On-Insulator Heterojunction Tunneling Transistor", Journal of Advanced Research in Dynamical and Control Systems (JARDCS), Vol. 11, 04-Special Issue, pp.1976-1982, 2019 (SCOPUS).
(Accepted)
5. Udaya Sai Ch, Ch.Kiran, H.S. S. R.A. Kumar, I. G. Sonu, B. Sumanjali, N. Padmavathy, Estimation of White Blood Cell Abnormality, International Conference on Advances in Electronics, Electrical & Computational Intelligence, 2019.
6. Ravi Varma K and N. Padmavathy, Electromagnetic Pollution Index Estimation of Green Mobile Communication, Intelligent Computing, Instrumentation and Control Technologies, 2019

II. Conferences

Conference Title: IEEE International Conference on Intelligent Computing and Control Systems (ICICCS-2019)

Organizers: Vaigai College of Engineering, Madurai, Tamil Nadu, India

Date: 15-17 May 2019

Faculty attended: 1. Dr.P S N Murthy, Professor

2. Mr.G Prasanna Kumar, Associate Professor

3. Mr.K.Ramesh Chandra, Assistant Professor

4. Mr.B.Prudhvi Raj, Assistant Professor

III. Faculty Development Programme

Title: Advanced Robotic Control for Industrial Applications

Event and Date: 07th to 15th May 2019

Organizers: APS GmbH, European Center for Mechatronics, Germany

Participants: 1. Mr.K.V.S.H.Gayatri Sarman, Assistant Professor

IV. Online Certification Courses (FDP):

1. Title: CMOS Digital VLSI Design
Organizers : NPTEL Online Courses, IIT Roorkee
Participants : 1. Dr. A. P. Ramesh, Professor
2. Mr. Abdul Rahaman Shaik, Associate Professor
3. Mr. B. V. V. Satyanarayana, Assistant Professor
4. Mr. A M V Pathi, Assistant Professor
5. Mr. A. N. Ganesh, Assistant Professor
2. Title : Control Engineering
Organizers: NPTEL Online Courses, Madras
Participants : 1. Mr. S V S N Murthy, Assistant Professor
2. Mr. K. Kiran, Assistant Professor
3. Mr. K. Tarakeswara Rao, Assistant Professor
3. Title : Antennas
Organizers: NPTEL Online Courses, IIT Bombay
Participants: 1. Mr. B. V. V. Satyanarayana, Assistant Professor
4. Title: Electromagnetic Waves in Guided and Wireless Media
Organizers: NPTEL Online Courses, Kanpur
Participants : 1. Mr. M. Dileep, Associate Professor
5. Title: Machine Learning for Engineering and science Applications
Organizers : NPTEL Online Courses, Madras
Participants : 1. Mr. P. S. Maitrey, Associate Professor
6. Title: BioMEMS and Microsystems
Organizers: NPTEL Online Courses, IIT Kanpur
Participants: 1. Mrs. D. Manaswi, Assistant Professor

V. Online Certification Courses :

1. Title: Principles of Communication Systems-I
Organizers: NPTEL Online Courses, IIT Roorkee
Participants: 1. Mr. Abdul Rahaman Shaik, Associate Professor
2. Mr. K. Ramesh Chandra, Assistant Professor
2. Title: Digital Electronic Circuits
Organizers: NPTEL Online Courses, IIT Kharagpur
Participants: 1. Mr. Ch. V. V. S. Srinivas, Associate Professor
3. Title: Principles of Signals and Systems
Organizers: NPTEL Online Courses, IIT Kanpur
Participants: 1. Mr. G. Prasanna Kumar, Associate Professor
2. Mr. B. Prudhvi Raj, Assistant Professor

VI. Placements:

No. of students placed in companies: 133

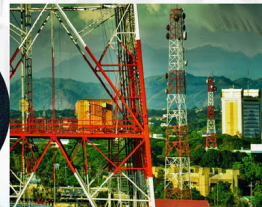
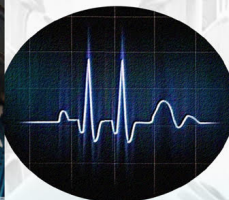


NEWS LETTER

VIT EC MAX



Electronics and communication



VISHNU INSTITUTE OF TECHNOLOGY
BHIMAVARAM

