

▶▶ ABOUT PBR VITS

PBR Visvodaya Institute of Technology and Science, an Autonomous Institution, situated in an eco-friendly environment, with state-of-art infrastructure. With the conviction that Education is the only weapon which can eradicate poverty, Dr. Dodla Ramachandra Reddy established Visvodaya Society in 1952 in Kavali. PBR Visvodaya Institute of Technology & Science was established under the aegis of Visvodaya Society in 1998 with an initial intake of 180 students in the Undergraduate courses of Electronics and Communications Engineering, Computer Science Engineering, CSE-AI, CSE-IOT, AI and ML, Electronics and Electrical Engineering and Mechanical Engineering. At present, the total sanctioned intake is 1482 including 1200 in UG programme, 102 in five MTech Specializations and 180 in MBA. College has achieved the prestigious accreditation from NAAC and nodal center of Indian Institute of Remote Sensing/ISRO outreach network, Dehradun. Our institution also received an autonomous status during the academic year 2021-22.

▶▶ ABOUT THE DEPARTMENT

Electronics and Communication Engineering, the evergreen and always blooming field of study was established in the academic year 1998-99 with an intake of 60 and currently running with an intake of 240. We are technologically updated and follow the strict curriculum provided by JNTUA to impart a standard education to our students. There are 54 well qualified and trained faculty from various reputed universities and institutions. Currently there are 7 Professors, 26 Associate Professors, and 21 Assistant Professors in the department who nurture the students. Department of ECE faculties published 120 research papers, 10 books and filed 5 patents. Students are also participated over 100 events and bagged awards in many events.



- **CHIEF PATRON**
- Prof. G. RANGA JANARDHANA
Hon'ble Vice-Chancellor,
JNTUA Ananthapuramu

- **PATRONS**
- Prof. M. Vijaya Kumar Rector, JNTUA.
- Prof. C. Sashidhar Registrar, JNTUA.

- **CHAIR PERSON**
- Sri. D. Vidyadhar Kumar Reddy, Chairman

WITH BEST COMPLEMENTS FROM

- Wg. Cdr. I.P.C. Reddy, Director
- Dr. D. Pratyusha Reddi, Academic Director

- **Programme Director**
- Prof. B. Eswara Reddy,
Director, Faculty Development Cell, JNTUA,
Secretary, ISTE AP Section.

- **Program Convener**
- Dr. R. Sravanthi, HOD of ECE

- **Program Coordinator**
- Dr. Mohammad Hayath Rajvee,
Professor of ECE



Five day Faculty Development Program on

Recent Trends in Electronics & Communications: Advances in Device modelling and Signal Conditioning

26th June – 30th June 2023

Organized by

Department of Electronics and
Communication Engineering,
PBR Visvodaya Institute of
Technology & Science

(Autonomous)

Affiliated to JNTUA

Kavali, SPSR Nellore District,
Andhra Pradesh -524201

&

Faculty Development Cell, Jawaharlal
Nehru Technological University
Anantapur (JNTUA),
Ananthapuramu.

In Association with ISTE, AP Section.



PBRVITS



RESOURCE PERSONS

- **Dr. Vikram Kumar Pudi**
Assistant Professor,
Department of Electrical Engineering,
IIT, Tirupathi, Andhra Pradesh
- **Dr. S. Narayana Reddy**
Professor in ECE,
Sri Venkateswara University,
Tirupati, Andhra Pradesh
- **Dr. M. Durga Rao**
Scientist and Head,
Radar Applications and Development
Group at National Atmospheric Research
Laboratory (NARL), Department of
Space, Tirupati, Andhra Pradesh.
- **Dr. Rajnarayan De**
Scientific Officer-D,
Bhabha Atomic Research Center,
Visakhapatnam
- **Dr. Jagannadha Raju SDVD**
Scientific Officer-F,
Bhabha Atomic Research Center,
Visakhapatnam, Andhra Pradesh
- **Dr. Mahesh**
Scientist-E,
DRDO,
Hyderabad, Telangana
- **Mr. S. Rambabu**
Scientist-E,
Naval Science & Technological
Laboratory, Visakhapatnam,
Andhra Pradesh
- **Prof T Kishore Kumar**
Senior Professor,
Department of ECE,
NIT Warangal, Telangana.

▶▶ ABOUT FDP

The primary goal of "Recent Trends in Electronics & Communications: Advances in Device Modelling and Signal Conditioning" is to provide faculty with in-depth subject matter expertise. This can enable the faculty to competently and easily handle the subjects. The FDP is intended to aid the faculty in the execution of real-time undergraduate projects. The event will serve as a refresher course for ECE faculty who teach challenging and emergent courses such as antenna theory, Radar Engineering, signal processing, and sensors in the ECE undergraduate programme. Participants will understand the fundamentals and operational theories of device modelling and signal conditioning.

▶▶ SESSION TOPICS

- System modelling and Design optimization &
- Antenna Theory and developments in MPA
- Microstrip patch Antenna Design using HFSS
- Radar Technologies For Atmospheric Research
- Thin films for electronics & Spectroscopic Ellipsometry: A technique to measure dielectric properties
- Design of Fiber sensors and applications
- Materials and Methods for thinfilm device fabrication and characterization
- Analog Device design and analysis
- Social Signal Processing using AI

TARGETED FACULTY

Teaching staff of constituent and affiliated colleges of JNTUA

PERFORMANCE EVALUATION

▶▶ Every session includes hand on experience and evaluation. Successful participants will be awarded with a certificate.

▶▶ REGISTRATION

- Registration Link:
<https://forms.gle/CU2gKiRhmrC39vUC6>
- WhatsApp Group Link:
<https://shorturl.at/bdH45>
- No Registration Fee.
 - Total number of registrations is limited to 30.
 - Participants will be selected based on **first come first serve** basis.
 - All the selected participants are requested to carry laptops.
 - No TA/ DA will be paid for participants.
 - Accommodation will be provided for outstation participants

ORGANIZING COMMITTEE

Dr. S. Penchal Reddy, Professor
Dr. D. Likhith Reddy, Associate Professor
Dr. A. Maheswara Rao, IQAC Coordinator
Dr. V. Prakasam, Associate Professor
Dr. N. Satheesh Kumar, Professor
Dr. R. Ranjit Kumar, Associate Professor
Ms. M. Pavitra, Associate Professor
Mr. M. Venkatarathnam Associate Professor
Mrs. C. V. Kavya Suvarchala, Assoc. Professor
Mr. M. Rama Mohan Reddy, Assoc. Professor
Mr. V. Narayana Reddy, Associate Professor
Mr. R. S. Pratap Singh, Associate Professor
Mr. A. Venka Reddy, Associate Professor
Mrs. Jabeens Shaik, Associate Professor

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