



VISHNU
UNIVERSAL LEARNING

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ELECTRICAL & ELECTRONICS ENGINEERING

NEWS LETTER

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*Vishnu Institute of Technology
(Autonomous)*

Vishnupur, Bhimavaram

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VISION OF THE DEPARTMENT

To be recognised as a Centre of Excellence in the field of Education and Research so as to produce Competent & Ethical Engineers capable enough to contribute to the society.

MISSION OF THE DEPARTMENT

- To develop innovative, efficient and proficient electrical engineers.
- To keep the curriculum industry friendly, with due regard to the University curriculum.
- To be a place for innovative blended learning and entrepreneurship development in multidisciplinary areas
- To promote ethical and moral values among the students so as to make them emerge as responsible professionals.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

PEO1: To produce Electrical and Electronics Engineering graduates who have strong foundation in Mathematics, Sciences and Basic Engineering.

PEO2: To develop problem– solving abilities, technical competency and proficiency in modern engineering tools through hands-on laboratory experience and innovative projects.

PEO3: To prepare graduates for successful careers in industry, research or higher education, empowering them to excel in diverse engineering and technology– related fields or become entrepreneurs.

PEO4: To inculcate in students professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate engineering issues to broader social context through life-long learning.

GALVANISM

Industrial Visit At Andhra Packages Private Limited



Department of Electrical & Electronics Engineering has organized an industrial visit at Andhra Packages Private Limited, Pedaavitapalli (v) for 2nd year students. 72 students along with 4 faculty members visited the Place on 24-25 March 2023.

All students reached Andhra Packages Pvt Limited, Pedaavitapalli Village by 01.00 PM on 24/03/2023 & 25/03/2023 along with faculty coordinators. The students were guided to the basic knowledge of Paper cutting machine, paper rolling Machine, Preparation of 3layer, 5 layer & 7layer boxes using machinery, & Boxes folding using machinery used in plant. They also bestowed students with details of quality of Paper printing, Boxes preparation, printing on boxes & delivery to transportation. All students were divided into small batches of 10. Training supervisor from Andhra Packages Pvt Ltd accompanied students group and showed Quality testing laboratory of packing boxes.

Faculty Coordinators:

Mr.Ch.Phani Kumar, Mr.P.Naveen , Mr.P.Rajasekhar, & Mr.N.Pavan Kumar

Industrial Visit At Hitech Print Systems Limited



Department of Electrical & Electronics Engineering has organized an industrial visit at Hitech Print Systems Limited, Pedaavitapalli (v) for 2nd year students. 72 students along with 4 faculty members visited the Place on 24/03/2023, & 25/03/2023

All students reached Hitech Print Systems Limited, Pedaavitapalli Village by 10.00 AM on 24/03/2023 & 25/03/2023 along with faculty coordinators. The students were guided to the basic knowledge of Printing machinery, OMR sheet, barcode printing & other various machinery used in plant. They also bestowed students with details of quality of Paper printing, Books preparation. Answer booklets & all other colour coated papers printing. All students were divided into small batches of 10. Training supervisor from Hitech Print Systems Ltd accompanied students group and showed them control room and automated printing machines.

Faculty Coordinators:

Mr.Ch.Phani Kumar, Mr P.Rajasekhar, Mr. P.Naveen & Mr.N.Pavan Kumar

Blue Wingler WON Best Elevator Pitch Award



The Bluewinger, a team from Vishnu institute of Technology WON Best Elevator Pitch and received Rs. 25000/- Prize money in the TiE Grad Business Idea Competition- TiE Hyderabad Chapter Finals held on on 05th April 2023 at The Botanika Club, THE BOTANIKA, Jayabheri Enclave, Gachibowli, Hyderabad, Telangana 500032. The competition had 10 teams/startups from various institutions. One team from Vishnu Institute of Technology was shortlisted from Vishnu Institute of Technology accompanied by faculty members Dr. V S N Narasimha Raju (EEE), Mr. B Chakravarthy (EEE), and Mr. Mahaboob Hussain (CSE), Faculty Champion, TiE Hyderabad.

Team Details:

"BLUEWINGLER is a one stop destination for all the requirements in water distribution for commercial, residential and agricultural needs. It mainly controls the water losses and detects the leakages. It also provides the real time data and stores for the future estimation" This idea was pitched by Mr. S. Sai Kumar and S. Sandeep Kumar along and the Elevator pitch was given by S. Sri Hemambica, EEE.

Event Details:

Prof. Katta Narsimha Reddy, Vice Chancellor, JNTU Hyderabad and Prof. D Ravinder, Vice Chancellor, Osmania University attended the program and presented the awards to the winners.

Educational Tour To Visit Dr.Narla Tatarao Thermal Power Plant (APGENCO)



B.Tech Third Year Students of Electrical Engineering went for an educational tour to visit Dr.Narla Tatarao Thermal Power Plant (APGENCO) in Ibrahimpatnam; Vijayawada, 77 students along with 4 faculty members visited the Place on 20th, 21st April, 2023. During the visit the students observed various processing units such as Coal Handling Station, Boilers, conservator, Economizer, Dust Collectors and Bag Filters, Air Preheaters, turbine unit, Generator with Exciter and control Board Room, Cooling tower

Faculty Coordinators:

Mr. N.Veeraiah, Mr. Ch. Srinivasa rao, Dr. S. Pragaspathy & Mr.. N H V Pavan Kumar

Best Poster Award Is Awarded To Dr. V S N Narasimha Raju

Best Poster Award is awarded to Dr. V S N NarasimhaRaju, Associate Professor, EEE, Vishnu Institute of Technology, Bhimavaram at "Global Tech Summit 2023" held on 16-17 Feb in Vishakhapatnam for startup idea "Aerator Monitoring System" .

Faculty Publications



- Kasireddy, I., Padmini, K., Ramarao, R.V.D., Seshagiri, B., Rani, B.V.N. (2023). Solar Energy Prediction using Machine Learning with Support Vector Regression Algorithm. In: Gupta, N., Pareek, P., Reis, M. (eds) Cognitive Computing and Cyber Physical Systems. IC4S 2022. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 472. Springer, Cham. https://doi.org/10.1007/978-3-031-28975-0_2
- Pragaspathy, S., Karthikeyan, V., Kannan, R., Korlepara, N.D.P. and Krishna, B., Photovoltaic-Based Hybrid Integration of DC Microgrid into Public Ported Electric Vehicle. In Wind and Solar Energy Applications (pp. 287-303). CRC Press.
- Ch.Phani Kumar. Elanchezhian E.B. and Pragaspathy S., "Concurrent Upqc Schemes For The Power Quality Improvement In Solar Photovoltaic Systems", Recent Advances in Electrical & Electronic Engineering 2023. <https://dx.doi.org/10.2174/2352096516666230309092530>
- .Naveen P., B. Baskaran, and R.V.D. Rama Rao. "Transformer-Less Novel Hybrid Converter Based Solar PV fed UPS System." *Journal of Circuits, Systems and Computers* (2022): 2350133. <https://doi.org/10.1142/S0218126623501335>

Student Publications



- S. Sahoo, V. Mahesh, B. K. Narukullapati, I. Kasireddy, D. G. Padhan and D. S. Naga Malleswara Rao, "Control System Engineering through MATLAB-A Case Study on Project based Learning," 2023 2nd Edition of IEEE Delhi Section Flagship Conference (DELCON), Rajpura, India, 2023, pp. 1-5, doi: 10.1109/DELCON57910.2023.10127243.
- R. Chandrasekaran, S. Karthik kumar, A. Sheela, P. Subramani, A. G and R. P, "Optimal Control of Solar PV Fed EV Charging Station Using PSO Algorithm," 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), Bhilai, India, 2023, pp. 1-6, doi: 10.1109/ICAECT57570.2023.10118201.
- Kumar, D.G., Sireesha, N.V., Rao, D.S.N.M., Kasireddy, I., Narukullapati, B.k.Gatla, R.K.Babu, P.C.Saravanan, S. (2023). Modelling of symmetric switched capacitor multilevel Inverter for high power appliances. Journal of New Materials for Electrochemical Systems, Vol. 26, No. 1, pp. 18-25. <https://doi.org/10.14447/jnmes.v26i1.a03>