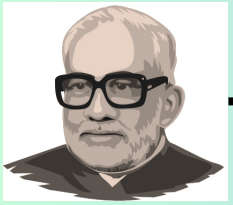

ILLUMINARIES

A.Y 2022-23 ISSUE -1 DECEMBER- 2022

VISHNU SVECW ESTD : 2001
Shri Vishnu Engineering College for Women
(Autonomous)
Vishnupur, Bhimavaram, Andhra Pradesh

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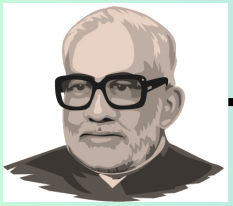


ILLUMINARIES

A.Y 2022-23 ISSUE - 1 DECEMBER - 2022

Vision:

"To establish a knowledge hub in the field of Electrical & Electronics Engineering to meet the needs of the society"

Mission:

- **To produce quality Electrical and Electronics Engineers.**
- **To inculcate discipline and ethical values among the students.**
- **To empower students to succeed in higher education and research.**

Editor's MESSAGE:

I am pleased to announce the publishing of the Department of Electrical and Electronics Engineering's newsletter for the first half of 2024. It showcases a range of our staff and students' achievements and activities. Shri Vishnu Engineering College for Women (Autonomous) aims to make students' life brighter by applying their knowledge of flame to make unique shapes.

Student Article

The DG paradigm, which combines renewable and non-renewable energy resources to create a Microgrid that can be run more safely and effectively using fast islanding detection methods, is being adopted by themajority of sophisticated power system networks. Several islanding detection methods like Conventional passive detection methods having large Non detection zone (NDZ)with irregular threshold settings. The active detection techniques having intentional perturbation causing major disadvantage in improved rapid operation of Microgrid. In this concern with improved efficiency, accuracy, and reliability have been proposed in the literature. Signal Processing (SP) based passive Islanding detection Techniques are extensively analyzed by proper comparison under various aspects which is feasible and economical and can avoid the above said drawbacks for stable operations. This paper's major contribution is to provides operation of islanding detection technique for voltage and current signals generated at point of common coupling with DSP based method which can compare the detection time which is the part of various Transformation techniques which has approached.

1)P.R.Lahari
21B01A0238

2)K.Snehitah
21B01A0219

Engineers' Day Celebrations- 2022

Engineers' Day is celebrated on 15th September 2022 as a tribute to Bharat Ratna Sri M.Visveswarayya, as his 162-birth anniversary as the father of Civil Engineering, great Engineer, Administrator, an Eminent Statesman, Educationalist & a Social worker who has done great service to the society. ISTE STUDENT CHAPTER of Shri Vishnu Engineering College for Women organized various 12 technical events in that 8 events are conducted as Daily events and 4 spot events on the grand event on this occasion under the Esteemed Guidance of ISTE STUDENT CHAPTER Faculty Advisor Dr.G.R.L.V.N.Srinivasa raju , Professor & Dean R&D in the academic year 2022-23. In this connection almost 400 students of various departments have actively participated in 12 Technical events which conducted successfully. Dr.G.Srinivasarao, Principal and Dr.P.Srinivasa Raju, Vice-Principal along the Faculty advisor have distributed the Prizes to all the 64 winners among all the events.

Four students 1) K.Snehitha, 2)A.Sriramya, 3) O.Mhalakshmi, 4) Ushasri of EEE DEPARTMENT are the winners among the various events received Prizes.

Student acheivement

Ms.Leela Bhargavi Vanjarapu 21B01A0257 of II EEE stood in 3rd place in IET Present around the World (PATW) Regional Competition held at Muffakham Jah College of Engineering and Technology Hyderabad on 12-11-2022.

Project Expo Acheivement

Ms.B. Ekshitha Sai, Ms.D. Sai Nandini and Ms.K.Vaishnavi of III EEE won Ist Prize among 20 groups in Friction 2022 - Women's Motor cycle club of India organized by Vinayagar program Karpaga college of Engineering & Technology on 28th October -2022.

PLACEMENTS

Tiger Analytics

V.Sri Vyshma
19B01A02B8
8.5 Lakh

OPTUM Global Solutions

M.M.N.Ramya
19B01A0272
10 Lakh

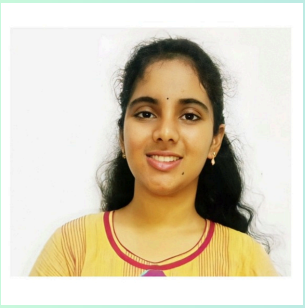
OPTUM Global Solutions

K. Kavya
19B01A0255
10 Lakh

OPTUM Global Solutions

K.Sharmila
19B01A0262
10 Lakh

OPTUM Global Solutions



Geetha Sindu
19B01A0273
10 Lakh

OPTUM Global Solutions

K.Sindhu
19B01A0208
10 Lakh

OPTUM Global Solutions

D.V.L.Sreeja
19B01A0221
10 Lakh

OPTUM Global Solutions

M.Chandana
19B01A0271
10 Lakh

OPTUM Global Solutions

B.Yamuna
19B01A02C2
10 Lakh

OPTUM Global Solutions

B.Sahithi
20B05A0202
10 Lakh

FACULTY ACHIEVEMENTS

Doctorates

Dr. S.Dileep Kumar Varma, working as an Associate Professor in EEE Department completed his Ph.D in the area of Grid connected Wind Energy System with Title “Investigation of Dynamic Performance of PMSG based Wind Energy System” inJawaharlal Nehru Technological University Kakinada in August -2022 under the EsteemedSupervision of Dr.Ch.SaiBabu, Professor, Department of EEE, College of Engineering JNTUK, Kakinada..

Patent grants

SSSR Sarathbabu Duvvuri and et al, Title of Invention: Rotary Distillation Column for Industrial Purposes, Patent Application No: 202041053039, Date of Filing: 05-12-2020. Date of Publication (U/S 11A): 11-12-2020. Date of Grant: 05-09-2020.

Program Educational Objectives :: B. Tech. - EEE

PEO 1 : Demonstrate employability skills and leadership qualities to serve the society.

PEO 2: Achieve personal and professional success with awareness and commitment to their ethical and social responsibilities.

PEO 3: Improve professional competence through life-long learning including higher education and research.

Program Outcomes:: B. Tech. - EEE

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4).

PO3: Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5).

PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis& interpretation of data to provide valid conclusions. (WK8).

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6).

PO6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9).

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences.

PO10: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11: Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8).

Program Specific Outcomes :: B. Tech. - EEE

PSO 1: Ability to enhance living standards of disabled people by designing appropriate products with the help of technology.

PSO 2: Competence to explore, analyze and solve problems related to power electronic systems.