

## SDG 17 – Partnership for Goals

### 17.2.2 - Does your university as a body initiates and participates in cross-sectoral dialogue about the SDGs, e.g. conferences involving government/NGOs?

1. Sivasangari presented a paper on “Performance Analysis on Dermoscopic Images for Enhancing the Diagnostic Support System in Healthcare,” in 5th International Conference on Trends in Electronics and Informatics, SCAD College of Engineering and Technology, Tamilnadu, 04-06-2021 addressing the **need for sustainable development in healthcare sector**.  
<https://ieeexplore.ieee.org/document/9452860>  
<https://doi.org/10.1109/ICOEI51242.2021.9452860>
2. Dr. Datta presented a paper on “Elucidating enhanced biodegradability of starch blended polyolefinic sheet by physico-mechanical and thermal property assessment presented in ICAMME,2021 on 18 - 20 February organised by the Department of Materials and Metallurgical Engineering in association with Energy Centre & Department of Mechanical Engineering, MANIT , Bhopal, India.  
<https://doi.org/10.1016/j.matpr.2021.02.546>
3. Dr. Deepshikha presented a paper on presented the research paper entitled “Advance Recovery Approach for Efficient Recovery of Waste Lubricating Oil by Different Material Formulations” in the 2021 Global Conference on Recent Advances in Sustainable Materials (GC-RASM 2021) held at A.J. Institute of Engineering & Technology, Karnataka, India during 29 - 30, July 2021. GC-RASM 2021 has been organized jointly by the departments of Civil Engineering and Mechanical Engineering. (International Conference). <https://doi.org/10.1016/j.matpr.2021.08.078>
4. Dr. Datta presented a paper on “Comparative analysis of the quantity and quality of both synthetic and biodegradable films on kitchen waste” in the International Chemical Engineering Conference 2021 organized by Department of Chemical Engineering Dr. B.R. Ambedkar National Institute of Technology, Jalandhar September 16 to 19, 2021.  
<https://doi.org/10.1016/j.matpr.2021.12.482>
5. Dr. Deepshikha presented a paper on “Water Quality Survey on Potable Water through Analysis of Physicochemical Parameters from Various Sources in Rajam” presented in ICAMBC (International Conference on Advanced Material Behaviour and Characterization), 2021 on 24th – 26th April, 2021, organized by Mattest Research Academy, Mattest Solutions, Chennai. <https://doi.org/10.1063/5.0072653>
6. Dr. Deepshikha presented a paper on “Revivification of spent lubricating oil by ecofriendly extraction-flocculation method” presented in ICAMME,2021 on 18 - 20 February organised by the Department of Materials and Metallurgical Engineering in association with Energy Centre & Department of Mechanical Engineering, MANIT , Bhopal, India. [https://doi.org/10.1007/978-981-16-5371-1\\_47](https://doi.org/10.1007/978-981-16-5371-1_47)
7. Dr. Deepshikha presented a paper on “Comprehensive analysis of reclamation of spent lubricating oil using green solvent - RSM and ANN approach”, in the International Chemical Engineering Conference 2021 organized by Department of Chemical Engineering Dr. B.R. Ambedkar National Institute of Technology, Jalandhar September 16 to 19, 2021. (Scopus indexed):  
<https://journals.pan.pl/dlibra/publication/140815/edition/124692/content>

8. Dr Shaik Shadulla and Dr Polinati Satya Sagar, presented a paper entitled “Parametric Analysis and Optimization for Proton Exchange Membrane Fuel Cell using Design of Experiments Technique” in International Conference on Advances in Science, Engineering and Technology (ICASET-2021) organized by KSRM College Of Engineering, Andhra Pradesh, India, held during 21st – 22nd May 2021.



9. In August 2021, Damala Rajesh Babu, has presented a paper on “Dual Axis Solar Tracking with Weather Monitoring System by using IR and LDR Sensors with Arduino UNO”, at the Virtual International Technical Conference on Control in Electric vehicles and Smart grid with Renewable Energy Synergies for sustainable development" (VIT-CES-RES 2021), conducted by Vellore Institute of Technology (VIT) addressing the **need for usage of clean energy**.



10. Mr. N S S Ramakrishna presented a paper on “Model Predictive Control for Load Frequency Regulation in Power Systems Using a Disturbance Observer”, in “1st **International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2021)**” organized by Department of Electrical Engineering, National Institute of Technology Meghalaya, Shillong, India during 24th - 25th September 2021.



## CERTIFICATE OF PARTICIPATION

**Paper Title:** Model Predictive Control for Load Frequency Regulation in Power Systems Using a Disturbance Observer

**Authors:** N S S Ramakrishna, T.S L V Ayyarao, Vasupalli Manoj, L.Dinesh

This is to certify that Prof./Dr./Mr./Ms. **N S S Ramakrishna** of **GMRIT, AndhraPradesh** has presented the paper in “1st International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2021)” organized by Department of Electrical Engineering, National Institute of Technology Meghalaya, Shillong, India during 24th - 25th September 2021.

*Shaik Affjulla*

**Organizing Chair**  
**(ISSETA 2021)**

*Gajrajadhhar Pasala*

**General Chair**  
**(ISSETA 2021)**

ISSETA 2021

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11. Dr N V A Ravi Kumar presented a paper on “A Linear Quadratic Integral Regulator for a Variable Speed Wind Turbine”, in “1<sup>st</sup> **International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2021)**” organized by Department of Electrical Engineering, National Institute of Technology Meghalaya, Shillong, India during 24th - 25th September 2021.



**BEST PAPER AWARD**

**1st International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2021)**

**Organized by National Institute of Technology Meghalaya**  
**24<sup>th</sup>-25<sup>th</sup> September 2021**

*Proudly presents the best paper award to*  
**N. V. A. Ravikumar** *from* **GMRIT, Andhrapradesh**

***Under Track - 2 (Protection and Control of Active Distribution Networks)***  
***for the paper titled***  
*A Linear Quadratic Integral Regulator for a Variable Speed Wind Turbine*

***Authored by***  
N. V. A. Ravikumar, Vasupalli Manoj, N. S. S. Ramakrishna

*Shaik Affifulla*  
**Organizing Chair**  
**(ISSETA 2021)**

*Gajendar Panda*  
**General Chair**  
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