

2<sup>nd</sup> International Conference on  
**HIGHER EDUCATION INSTITUTES' CHALLENGES &  
SOLUTIONS FOR SUSTAINABLE DEVELOPMENT GOALS '23**

*Report*

**INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN CLEAN AND  
AFFORDABLE ENERGY FOR SUSTAINABLE DEVELOPMENT**

Date: 01 – 03 November 2023

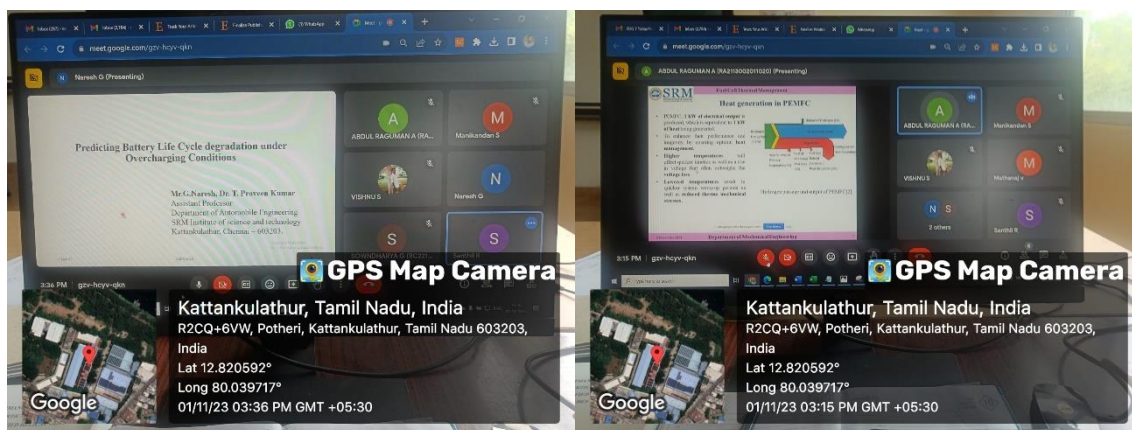
Mode: Hybrid

The inauguration of the ICSDG 2023 took place at the Dr. T. P. Ganesan Auditorium on 1<sup>st</sup> November 2023 at 9.30 am. The program started with lighting of the Lamp followed by the felicitation of the Chief Guest. The Welcome and Presidential Address was presented by Dr. S. Ponnusamy, Registrar of SRMIST. The first day's first session started with the Chief Guest's Address by the Chief Guest Her Excellency, Ms. May-Elin Stener, Norwegian Ambassador to India, Royal Norwegian Embassy in New Delhi. Dr. M. Jayanthi, IFS, Chairperson of Tamil Nadu Pollution Control Board delivered the Guest of Honour Address. A brief on ICSDG 2023 was presented by Prof. Parmoita Chakraborty, Head of Centre for Research in Environment, Sustainability Advocacy and Climate Change, SRMIST followed by the Vote of Thanks by Prof. B. Neppolian, Dean (Research), SRMIST. The ceremony concluded with the National Anthem.



Delegates on the dais (From Left to Right): Prof. B. Neppolian, Dr. T.V. Gopal, Her Excellency, Ms. May-Elin Stener, Dr. Jayanti M, Prof. Paromita Chakraborty.

The second session started with the planetary talk by keynote speaker Prof. Ramesh Bansal, University of Sharjah, South Africa. His talk was focussed on “Renewable Energy Integration in smart grid Environment”. The second session for Day 1 was conducted in Hybrid mode, with several participants participating from across various states. Over 13 papers were received for this vertical. This session was chaired by Dr. S. Manikandan, Asst. Prof. (Research), Dept. of Mechanical Engineering, SRMIST and Dr. V. Mathanraj, Asst. Prof., Dept. of Mechanical Engineering, SRMIST. The Best paper for this session was awarded to **Dr. B.M. Swami Punniakodi and Dr. R. Senthil**, for their Paper Titled, “Numerical Simulation of PCM fusion in a horizontal container with a concentric heat transfer tube”.



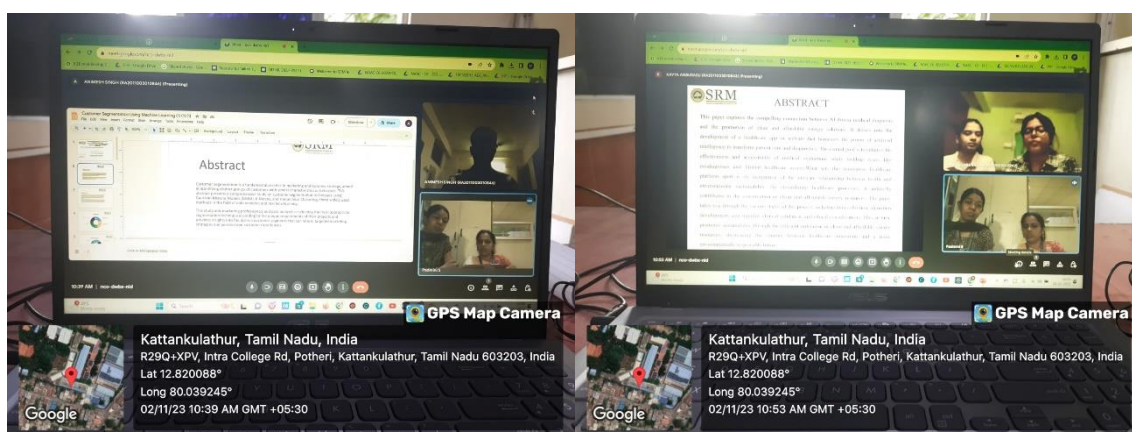
Day 1 Paper Presentation session at Dept. of Mechanical Engineering, SRMIST

The Second Day started with a plenary talk by keynote speaker Dr. Govarthanan, Professor (Research), Department of Environmental Engineering, Kyungpook National University, Daegu, South Korea. His talk was focused on “Environmental and Health impacts of Plastics: Challenges and solutions”, where he enlightened the speakers about the hazardous effects of plastics on environment and health concern and the potential challenges faced and the viable solution to it. Over 47 Students and Faculty members attended this offline session held at the ‘B’ Block of Mechanical Engineering Building.

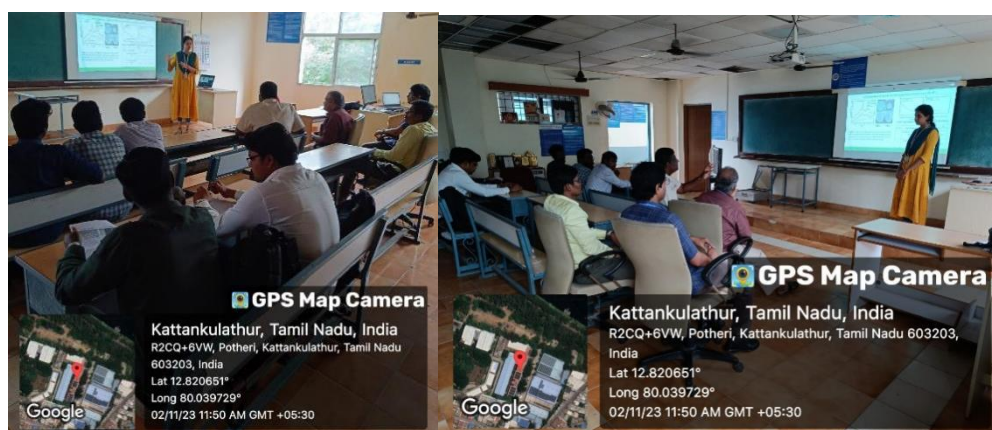


Day 2 plenary talk by Dr. Govarthanan, Professor (Research), Kyungpook National  
University, South Korea

The technical paper presentation session 1 for Day 2 was conducted at the Electrical Science Block. This session was conducted in hybrid mode with participants presenting papers from various places. This session was chaired by Dr. S. Padmini, Associate Professor, Dept. of Computing Technologies, SRMIST and Dr. K. Subhasharmini, Assistant Professor, Dept. of Electrical and Electronics Engineering, SRMIST. Another session of paper presentation was conducted at Mechanical Engineering B-block with Dr. D. Premnath, Assistant Professor/Mechanical Engineering, Dr. G. Balaji Associate Professor, Dept. of Mechanical Engineering, SRMIST as the session chair. The Best paper of this Day 2 Session 1 was awarded to **Dr. S. Padmini, Ms. Ysaswini Machineni, and Ms. Sarvika Shree Kondur**, for their Paper Titled, “Solar Powered Agrotech”.



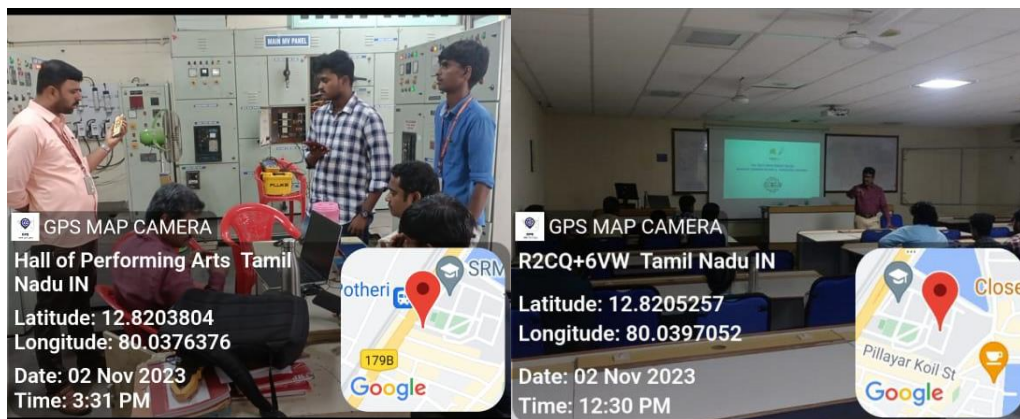
Day 2 Session 1 (Online Session) Paper Presentation at Dept. of Electrical and Electronics  
Engineering, SRMIST



Day 2 Session 1 (Offline Session) Paper Presentation at Dept. of Mechanical Engineering,  
SRMIST

The second technical paper presentation session of Day 2 was conducted in the afternoon at the Electrical Science Block. This session was chaired by Dr. C. Naveen, Asst. Prof, Dept. of Electrical and Electronics Engineering, SRMIST. The Best paper of this session was awarded to **Dr. S. Padmini, and Mr. Banala Venkatesh**, for their paper titled, “Multiple Device Scheduling of Demand Side Management in Microgrid using Artificial Cell Swarm Optimization”.

In parallel, on Day 2 and Day 3, a two day hands-on workshop was conducted on the topic, “Energy Management in /action Real Time Insights for Sustainability” by Dr. S.R. Sivarasu, Ram Kalam Centre for Energy Consultancy & Training at the Active Learning Lab, Mechanical Engineering B-block.



Day 2 Energy Management in /action Real Time Insights for Sustainability

**Co- Convener**

Dr. S. Padmini  
Associate Professor,  
Department of Computing Technologies,  
SRMIST, KTR

**Co- Convener**

Dr. R. Senthil Kumar  
Associate Professor,  
Department of Mechanical Engineering,  
SRMIST, KTR

**Co- Convener**

Dr. C. Naveen  
Assistant Professor,  
Department of Electrical and Electronics Engineering,  
SRMIST, KTR

**Co- Convener**

Dr. K.S. Vignesh  
Assistant Professor,  
Department of Mechanical Engineering,  
SRMIST, KTR

**Convener**

Dr. M. Cheralathan,  
Professor & Head,  
Department of Mechanical Engineering,

**Convener**

Dr. K. Vijayakumar  
Professor & Dean,  
School of Electrical Engineering,



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