

compliance.

Outcomes of the FDP:

- ❖ Increased expertise in renewable energy technologies and sustainable development concepts.
- ❖ Enhanced ability to integrate green energy principles into teaching, research, and professional practice.
- ❖ Expanded interdisciplinary collaboration opportunities for research projects and grant funding.
- ❖ Improved research output and publications in the field of renewable energy and sustainability.
- ❖ Strengthened capacity to contribute to policy development and advocacy for renewable energy adoption.
- ❖ Empowerment to mentor students and colleagues in green energy topics and initiatives.
- ❖ Establishment of professional networks and partnerships with industry, government, and NGOs to advance sustainable energy solutions.

Eligibility:

The mode of FDP is Hybrid (online/offline). Faculty members of the Universities, AICTE Approved Institutions, Research Scholars, PG Scholars and Industry Professionals can attend the FDP. An e-certificate will be provided to those participants who have attended the FDP with minimum 75% attendance at the end of the online FDP.

No Registration Fee

Registration Link: <https://forms.gle/GQxxzDbmsY8pqXEh6>

Or Scan the QR Code:



Dr. V. N. Lakshmi Durga

Assistant Professor,
Dept. of Mechanical Engineering,
Ph.No : 7008852181,
E-Mail : venkata.durga@sbu.ac.in

Dr. Sagar Sarangi

Assistant Professor,
Dept. of Civil & Environmental Engineering,
Ph.no: 7543033224,
E-Mail :sagar.sarangi@sbu.ac.in

Speakers:

- 1 **Prof. P. Muthukumar,**
Professor, Department of Mechanical Engineering, IIT Tirupati.
- 2 **Dr. Asutosh Tiwari**
Founder Director, Institute of Advanced Materials, IAAM (Sweden).
- 3 **Dr. Santosh Kumar Sahu**
Associate Professor, Department of Humanities and Social Sciences & School of Sustainability, IIT Madras.
- 4 **Dr. Kishor S. Kulkarni**
Senior Scientist, APEE Division, CSIR-CBRI, Roorkee.
- 5 **Dr. Ranjeet Kumar Mishra**
Associate Professor, Dept. of Chemical Engineering, Manipal Institute of Technology (MIT) - Bangalore.
- 6 **Dr. B. Kiran Naik**
Assistant Professor, Department of Mechanical Engineering, National Institute of Technology (NIT) Rourkela.
- 7 **Dr. Basudev Pradhan**
Assistant Professor,
Department of Energy Engineering,
Central University of Jharkhand.
- 8 **Mr. Atul Mittal**
Director, Sistema Bio Company.
- 9 **Dr. Somnath Ghosal**
Assistant Professor, Centre for Rural Development and Innovative Sustainable Technology (CRDIST), IIT Kharagpur.
- 10 **Venu Varma Kalidindi**
(Co-Founder), Hycell-Engage.



Faculty Development Program (FDP)

on

Green Energy Technologies for a Sustainable Environment (GETSE-2025)

(Hybrid Mode)

Organized by :

Dept. of Mechanical Engineering
and

Dept. of Civil & Environmental Engineering
of

Sarala Birla University
in association with IQAC & IIC

7th - 11th July, 2025

Faculty Development Program (FDP)

Chief Patrons

Dr. Pradip Kumar Varma

Hon'ble Member of Parliament (Rajya Sabha)
&

Director-Planning & Organizational Development
SBU, Ranchi

Prof. Gopal Pathak

Hon'ble Director General
SBU, Ranchi

Patron

Prof. C. Jeganathan

Hon'ble Vice Chancellor
SBU, Ranchi

Co-Patrons

Prof. S. B. Dandin

Registrar
SBU, Ranchi

Dr. Pankaj Kr. Goswami

Dean, Engineering & Computer Sciences
SBU, Ranchi

Convener (s)

Dr. V N L Durga

Assistant Professor
SBU, Ranchi

Dr. Sagar Sarangi

Assistant Professor
SBU, Ranchi

Organizing Committee:

- Mrs. Moutoshi Saha
- Dr. Meeta Verma
- Dr. Rajeev Ranjan
- Dr. Ramesh Kumar Singh
- Dr Utsav Vishal
- Dr. Mrinal Kumar Singh
- Mr. Rahul Kujur
- Mr. Prashant Kumar
- Dr. Manoj Pandey
- Dr. Nitya Garg
- Dr. Durgesh Kumar
- Mr. Aditya Vikram Verma
- Mr. Anand Kr. Vishwakarma

About Sarala Birla University:

Sarala Birla University is a self-financed private unitary university. The Sarala Birla University Act. 2017 (Jharkhand Act. 13. 2017) has been passed by the Legislative Assembly of Jharkhand in 2017. The Sarala Birla University Act 2017 has been published in the Jharkhand Gazette on 4th July vide the Law Department Notification No. 504 dated 4th July 2017. As per the Act 2017 the management of the University is carried out by a Board of Governors headed by Smt. Jayashree Mohta, Honorable Chairperson, Bharat Arogya & Gyan Mandir and the first Chancellor of Sarala Birla University.

The SBU Ranchi campus is situated amidst the verdant surroundings, stretching over nearly 60 acres of land owned by Bharat Arogya & Gyan Mandir at Birla Campus, Vill-Ara, P.O.-Mahilong, Ranchi, Purulia Highway Road, Jharkhand, India-835103.

About the FDP:

Green energy technologies are pivotal for sustainable development, harnessing renewables while minimizing environmental impact. They drive efficiency and resilience through solar, wind, hydro, biomass, and geothermal sources, curbing greenhouse gases and advancing energy security. Innovations in efficiency and decentralized systems optimize energy use, foster local economies, and spur job creation in renewables. These technologies also combat pollution, expand global energy access, and bolster economic growth. Investments in green infrastructure enhance competitiveness, reduce healthcare costs, and improve productivity, promoting a resilient, inclusive economy. Overall, embracing green energy signifies a holistic approach to sustainability, securing energy, protecting the environment, and advancing social equity worldwide.

About Civil and Environmental Engineering Department:

The Department of Civil and Environmental Engineering at Sarala Birla University was started since the inception of the institute itself in 2018. The Department of Civil and Environmental Engineering runs Diploma, B. Tech, M.Tech and PhD programmes. The department has well qualified and experienced faculty members. Apart from teaching and research, all faculties are actively involved in training and other extracurricular activities for all round development of the department.

About Mechanical Engineering Department:

The Department of Mechanical Engineering at Sarala Birla University was started since the inception of the institute itself in 2018. The Department of Mechanical Engineering runs Diploma, B.Tech, M.Tech and Ph.D programmes. The department has well qualified and experienced faculty members. Apart from teaching and research, all faculties are actively involved in training and other extracurricular activities for all round development of the department.

Objectives of the FDP:

- Advancing knowledge on renewable energy sources.
- Developing skills in green energy technology implementation.
- Fostering interdisciplinary collaboration for sustainability.
- Promoting research and innovation in renewable energy.
- Enhancing awareness of environmental and economic benefits.
- Facilitating networking and partnerships in the green energy sector.
- Providing tools for policy advocacy and regulatory