Solar Energy Research Institute (SERI) was established on 1st July 2005. It was formed to address the immediate issue of fossil fuels consumption that is causing environmental pollution and global warming. Fossil fuels are limited in supply. To support this effort, SERI undertakes research and development to develop renewable energy technology and expertise in this challenging and exciting field. This is in line with our aim to develop scientific capacity and efficiency to produce skilled human capital to meet the demands of professional manpower needed in the public and private sectors.

The Department of Mechanical Engineering was established in the School of Studies in Engineering and Technology in the year 2006. The department offers B.Tech. (Mechanical Engineering) and M.Tech. (Machine Design) programs with an intake of 75 and 23 respectively. The department puts lots of emphasis on training the students that brings out their inner capabilities and lead to their full growth and development. The department offers Ph.D. program also in different streams of Mechanical Engineering like Thermal and Fluids Engineering, Design Engineering, and Manufacturing Engineering, etc.

The scope of the International Conference on Advances in Renewable and Green Energy Technology (ICARGET-2023) at GGV, Bilaspur is to provide an interdisciplinary platform for the scientists, research scholars, engineers and practitioners to exchange and share their latest research innovations, investigations, results, ideas, developments and applications in all areas of Renewable Energy. It is an opportunity to discuss the recent developments in the fields of Renewable and Green Energy Technologies and review challenges faced by the community in the 21st century. This International Conference will consist of invited oral presentations. The students are encouraged through a reduced registration fee and the possibility of best logistical support. This conference attract participants from different countries and aim to facilitate global exchange of ideas and research. The scope of the conference are diverse topics of international significance, fostering cultural understanding, and addressing global challenges. The scope also cover broad themes like sustainability, innovation, or human rights, allowing participants to share knowledge and perspectives from different areas of expertise.

Guru Ghasidas Vishwavidyalaya (GGV) is a Central University, situated in Bilaspur, Chhattisgarh. The university was established under the Central Universities Act 2009. Formerly it was known as Guru Ghasidas University (GGU), established by an act of the State Legislative Assembly, on June 16, 1983. GGV is an active member of the Association of Indian Universities and the Association of Commonwealth Universities. It is situated in a socially and economically challenged area of Chhattisgarh State. The university is appropriately named after the great Satnamri Saint Guru Ghasidas, who championed the cause of the downtrodden and waged a relentless struggle against all forms of social evils prevailing in the then society. Vishwavidyalaya now draws about 7000 students from different parts of the country. Apart from the regular academics in the campus, the university has successfully managed to extend its services for the welfare of society. The campus is lush green, calm and quiet, free from urban noise and pollution, and an ideal temple for education and research.
ICARGET 2023 invites full length original research article from academia, R & D establishments and industry professionals from India and abroad. The research article should not have been published or under review in any of the journals or conference proceedings. The research articles are invited in the following thrust areas (but not limited to):

**Economic recovery**
- Carbon neutral economy
- Economics of renewable energy
- Manufacturing issues and emissions trading
- Renewable energy for sustainable development
- Renewable energy integration, and the water and energy nexus

**Policy issues**
- Governance for low carbon communities and infrastructure
- Regulatory and policy issues
- Renewable energy to achieve the Sustainable Development Goals (SDGs)
- Remote area power supply (RAPS)
- Integration of renewable energy/distributed energy resources in power grids
- Energy for future electricity networks

**Materials for renewable energy**
- Renewable energy storage and conversion: Batteries, Supercapacitors, Fuel cells, Photovoltaics and solar cells
- Solar-driven reactions to hydrogen and fuels from renewables (Photocatalysis, Biofuels, and Carbon dioxide sequestration and conversion)
- Thermoelectric, Novel illumination sources for efficient lighting, Energy saving, and Energy saving in building
- Advanced characterization techniques of materials

**The built environment**
- Biochemical architecture
- Decarbonising cities and regions
- Low energy architecture
- Energy storage and batteries

**Technology**
- Biofuels and energy from waste
- Energy from biomass
- Geothermal energy
- Photovoltaic technologies
- Solar thermal

**Transport & Hydrogen economy**
- Electric vehicles
- Renewable energy and transport
- Hydrogen and energy storage

**Enforcement of renewable energy**
- Carbon dioxide sequestration and conversion for renewable energy
- Governance for low carbon communities and infrastructure
- Economic of renewable energy
- Carbon neutral economy

**PUBLICATIONS**

The selected papers from this conference shall be considered for publication in one of the following journals as per the quality of the paper and scope of the journal:

4. Transactions on Systems Engineering and Engineering Applications (JTBE Publications) (Scopus Indexed).

The open access fees will be applicable as per journals norms.

The papers which are not selected in the above listed journals will be published in the form of Book Chapters/Conference Proceedings (Abstract-only) after getting consent from the authors.

**REGISTRATION FEE**

The registration fee is paid will not be refunded/Cancellation will not be permitted.

**Conference shall be in blended (Online + Offline) mode. However, onsite presence is highly encouraged.**

- Registration fee includes conference kit, working lunch, and high tea. It is not covered open access fee of the journals if any.
- Those who wish to attend the conference without submitting papers can do so by paying Rs 1000 for Indians & USD 100 for Foreign delegates.
- The registration fees paid will not be refunded/Cancellation will not be permitted.
- Limited guest house accommodation is available on first-come-first serve basis at nominal service charges.
- Registration should be done after getting the acceptance of paper through the website or

https://icarget2023.com/registration.html