



**Five Days (Hybrid Mode)
Faculty Development Program
(FDP)
on
“Emerging Trends in Sustainable
Manufacturing”
April 24 – 28, 2023**



**Organized by
Department of Mechanical
Engineering**

**SRI BALAJI COLLEGE OF
ENGINEERING &
TECHNOLOGY, JAIPUR**

ABOUT SBSS

Sri Balaji Group of Institutions is being patronized by Sri Balaji Shiksha Samiti, Jaipur. Sri Balaji Shiksha Samiti has been serving with a motto “Educating Humanity” under the visionary leadership of Er. Bhagirath Poonia.

ABOUT SBCET

SBCET Jaipur was established in year 2000 with due approval by All India Council for Technical Education (AICTE), New Delhi and affiliation with Rajasthan Technical University (RTU), Kota for Bachelor and Masters Courses in Engineering. SBCET has been offering M. Tech and B. Tech in Computer Science Engineering, Artificial Intelligence, Electrical Engineering, Mechanical Engineering and Civil Engineering and M.C.A.

DEPARTMENT OF MECHANICAL ENGINEERING

SBCET established the Department of Mechanical Engineering in 2004 with a view to groom a team of professionals, through and intensive Mechanical engineering curriculum. Department of Mechanical Engineering is full-fledged department offering B.Tech. course with sanction intake of 30 students. The department has laboratories and workshop facilities with modern sophisticated equipment to carry out research in all areas related to Mechanical Engineering. The Department regularly conducts various training programs and workshops for enhancement of skill.

ABOUT THE FDP

As the world faces environmental challenges such as climate change and resource depletion, sustainable manufacturing practices have become crucial in ensuring a sustainable future. Through this FDP, we aim to explore the various aspects of sustainable manufacturing, including resource efficiency, life cycle assessment, green supply chain management and product design for sustainability.

SCOPE & OBJECTIVE OF THE FDP

This FDP is designed to meet the following objectives:

- To create awareness about Industry 4.0 and its sustainable approaches among academia and to build the next generation academic institutions.
- To empower the academic community by creating awareness on green manufacturing.
- To create connection of academic population with modern industrial aspects.
- To enable the research scholars, academic faculties and industry for state of the art collaborative research.
- To enable research scholars, academic faculties understand circular economy, trending composites, Life cycle assessment, Green supply chain management, etc.
- To get awareness on data analytic patterns and methods associated with modern manufacturing environment.

DETAILS OF THE FDP

FDP will cover:

- Approaches to Sustainable Manufacturing
- Resource efficiency
- Life cycle assessment
- Green supply chain management
- Product design for sustainability
- Circular economy
- Energy efficiency and conservation
- Water efficiency and conservation
- Waste reduction and management
- Industry 4.0
- Lean Manufacturing,
- Total Quality Management

EXPECTED OUTCOMES

Possible outcomes of FDP are:

- To prepare faculty to be able to guide/train students for of sustainable manufacturing practices and their importance for achieving sustainability goals.
- To provide a bridge between the industry and academic institution to update their knowledge.
- To provide a platform for Faculty, Research Scholar, Engineers and Students best practices for implementing sustainable manufacturing practices, including resource efficiency, life cycle assessment, green supply chain management, and product design for sustainability.
- To Increased awareness of the challenges and barriers to implementing sustainable manufacturing practices and strategies for overcoming them.

PARTICIPENTS

- The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from government organizations and industry.
- Seats being offered on first come first served basis.

REGISTRATION FEE

- **No Fee**

REGISTRATION LINK

<https://forms.gle/SCteXxVM8JvxFxr37>



The Mode of FDP is Hybrid (online & offline). E-Certificate will be provided to Participants whose attendance is above 80% & will submit Feedback Form.

IMPORTANT DATES

Five Days FDP on
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24 – 28 April, 2023

CHIEF PATRON

Prof. (Dr.) S. K. Singh,
Honorable Vice-Chancellor, RTU

PATRONS

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Mr. Jagdish Poonia, Managing Director, SBSS

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Mr. Zubair Khan (HOD, CE)
Dr. Bhawna Mathur (HOD, MCA)

STUDENT ORGANIZING MEMBERS

Mr. Deepak Jangid
Mr. Rahul Dhaked

WEB LINK OF FDP

The web link of the FDP will be shared with all the participants after the registration on their registered mail id.

CONTACT US:

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