



**Five Days (Hybrid Mode)
Faculty Development Program (FDP)
on
“Engineering & Research Applications of AI & ML”
April 29 – May 03, 2024**



**Organized by:
Department of Computer Science & Engineering
&
Department of Master of Computer Applications**

**Sri Balaji College of
Engineering & Technology,**
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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 COMPUTER SCIENCE & ENGG.

SBCET established the Department of Computer Science Engineering for B.Tech. in 2000 & Artificial Intelligence in 2021 with a view to groom a team of professionals, The department offers B.Tech. course with sanction intake of 60+60 students. The department has laboratory facilities with modern sophisticated equipment to carry out research in all areas related to CSE & AI.

THE DEPARTMENT OF MASTER OF COMPUTER APPLICATION

The Department of Master of Computer Application was established in the year 2001 with the intake of 60 seats affiliated from RTU and approved from AICTE. The objective of department is producing high quality professionals to meet the demands of emerging fields of Computer Applications.

ABOUT THE FDP

This Faculty Development Program (FDP) aims to provide participants with comprehensive insights into key areas of computer science. Engineering and research applications of Artificial Intelligence (AI) and Machine Learning (ML) involve using these technologies to automate tasks, optimize processes, and extract insights from data in various fields. This includes predictive maintenance, optimization of

processes like natural language processing, text mining and sentiment analysis supply chain management, image processing computer vision for quality control and object detection, robotics for industrial automation and autonomous vehicles, healthcare for disease diagnosis and personalized treatment, smart grids for energy distribution optimization, structural health monitoring for infrastructure maintenance, environmental monitoring and conservation, and materials science for materials discovery and optimization. AI and ML are driving innovation and efficiency across engineering disciplines.

SCOPE & OBJECTIVE OF THE FDP

The scope of this Faculty Development Program (FDP) is to provide participants with comprehensive insights into the latest and emerging research areas in computer science. The program aims to explore and delve into critical topics, including Engineering & Research Applications of AI & ML, Design Patterns, Formal Methods, the applications of Machine Learning in E-commerce and Streaming Services. The objectives of the Faculty Development Program (FDP) are to equip participants with knowledge and skills in the following areas: Biomedical Research, Climate Science, Astrophysics and Cosmology, Environmental Science understanding the future impact of AI and ML on industries and society, adopting design patterns and formal methods in software development, comprehending cloud computing concepts and applications, and exploring machine learning's practical applications for E-commerce and streaming services to enhance user experiences.

EXPECTED OUTCOMES

Possible Outcomes of FDP are:

- Improved understanding and knowledge of artificial intelligence and machine learning concepts, techniques, and tools.
- Improved ability to design, develop, and implement IoT and machine learning applications. Integration of modern technologies and techniques into the curriculum to improve the quality of education in IoT and machine learning.

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

[Click Here for Registration](#)

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

CHIEF PATRON

- Er. Bhagirath Poonia, Chairman, SBSS

PATRONS

- Mr. Jagdish Poonia, Managing Director, SBSS

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- Mr. Govind Yadav (Lab. Tech.)

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.

IMPORTANT DATES

Five Days FDP on
'Engineering & Research Applications of AI & ML
29 April – 03 May, 2024

CONTACT PERSONS:

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- Ms. Deepika Sainani (+91-8769350878)

HOW TO REACH THE COLLEGE

Sri Balaji College of Engineering and Technology

[Click Here for Google Map link of SBCET](#)

