



**ATAL FDP ON REENGINEERING OF LIBRARY
LANDSCAPE: ADOPTING INDUSTRY 5.0 FOR
21ST CENTURY**

04 - 09 December 2023

Call for Registration and Participation

Coordinator

Dr. K. Prakasan
Principal

Organized by the

Dr. GRD Memorial Library
PSG College of Technology
Peelamedu, Coimbatore 641 004
Tamil Nadu, India



OVERVIEW OF FDP

Re-engineering is the need of a day in all types of libraries to reduce the gap between user's expectations and actual services provided. Considering the importance of re-engineering in libraries, it is necessary to rethink on library issues for providing better library services to fulfill the multidimensional needs of the users. Re-engineering is primarily the function of resource management. Industry 5.0, when working at a full capacity, will allow for automation of Library operations, offering real-time data but at the same time allow library professionals to work alongside technology to improve processes and provide personalization for users. The technology encompasses Artificial Intelligence (Smart Cataloguing), Cloud computing (Library SaaS), Edge Computing (Anti-theft Mechanism), Big data analytics (Resource Utilization, Collection Management), Internet of Things (Tracing and Retrieval), Blockchain (Library Transaction), Digital Twin (Smart Indexing and Recommendation) and Cobots (Self Help Desk). The synergy between library operations and industry 5.0 is an influencing factor for the Faculty Development Programme.

ABOUT PSG COLLEGE OF TECHNOLOGY

PSG College of Technology is a Govt. Aided, Autonomous, affiliated to Anna University and ISO 9001:2015 certified institution. This is one of the foremost institutions founded by the PSG & Sons Charities Trust (1926). The college was established in the year 1951 and the founders wisely decided to locate it in the same campus as the PSG Industrial Institute for effective industry –institute interaction.

The college has the student strength of about 8518 with 15 engineering and Technology departments besides the Computer Applications, Management Sciences, Basic Sciences and Humanities departments. Among the various Under Graduate, and Post graduate Programmes offered by the college, as many as 18 programmes were accredited in the year 1997 itself by the National Board of Accreditation of AICTE

OBJECTIVES

This FDP proposes to educate participants on how libraries on a holistic level can be re-engineered to integrate the benefits using Industry 5.0, and yet remain necessary and distinct enough for users. Thereby, strengthening librarians to be irreplaceable. Having this in context, the following are the prime objectives of this Faculty Development Programme that also match with the goals of FDP

- To experience the trends in Open data management and conceptualizing the Industry 5.0 based library applications
- To disseminate of knowledge to leverage library services applying industry 5.0 (AI, Cloud) and foster a collaborative environment between man and machine (Cobots, Edge, IoT).
- To explore on AI-based learning processes and tools.
- To discover Big data analytics, Digital Twin, Blockchain based tools to enhance library services and cooperative working between users and AI, and therefore being result-oriented.

RESOURCE PERSONS

Eminent Faculty from IITs, IIMs, NITs, Central Universities, INFLIBNET, Global Leaders in Publishing and Corporate Libraries

PROGRAMME DURATION

- Offline Faculty Development Programme on **04 - 09 December 2023**
- **Timing:** 9:00 a.m. - 5:30 p.m.

TOPICS TO BE COVERED

- Innovations in Library & Information Services
- Future of Digital Libraries: Case Study using Industry 5.0
- Architecting Future Proof Technologies for Libraries for the 21st Century
- Benchmarking on publication, Institutional Ranking, Plagiarism, Publishing Ethics & Predatory Journals.
- Bibliometrics, Open Data Management: Role of Librarians
- ILS Implementation – Folio: “The Future of Libraries is Open”
- Digital Content Creation, Technologies, Copyright, Licensing and Right Management
- Conceptualization of the smart library: opportunities and challenges
- Repositioning of Institutional repositories to reflex academic values
- The Landscape of Academic Libraries in Digital Era

- Artificial Intelligence in Library Landscape
- Internet of Things: A New Route to Smart Libraries
- Data Science Applications for LIS Professionals
- Automated Subject indexing through Machine Learning
- Open Access Technology for Information Management

REGISTRATION

- Registration is mandatory for all the participants of the FDP. All the candidates are required to register online using the link on the ATAL-AICTE portal.
- Participants will be admitted on first- come-first-serve basis.
- No fees will be charged from participants. Register online for the online FDP by using the link: <https://atalacademy.aicte-india.org/signup>

ELIGIBILITY AND SELECTION PROCESS

Faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry Bureaucrats/Library Professionals and staff of host institutions nominated by the head of the institutions.

Not more than 30% from Host Institution. Maximum 50 (minimum 30) participants may be allowed to attend FDP. However, for the Northeast region, Jammu, Kashmir, Ladakh and Andaman & Nicobar Islands, the Min / Max Limit is 20/50.

External Participants (traveling more than 20KM one side to attend the FDPs) who attend at least 90% of the sessions shall be reimbursed with the cost of traveling, with a blanket amount of Rs. 2000/- at the end of the FDP. There would be no provision for boarding/lodging from the end of ATAL Academy/ AICTE. However, refreshment & lunch would be provided for free.

CERTIFICATION

Certificates shall be issued by AICTE Training and Learning (ATAL) academy to those participants who have attended the programme with minimum 80% attendance and scored minimum 70% marks in the test conducted at the end of the FDP.



Organising Secretary

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