About Electronics & ICT Academy at

PDPM IIITDM Jabalpur

The Ministry of Electronics and Information Technology (MeitY), Government of India has instituted Electronics and ICT Academies in the year 2015. In the second phase, the academy at PDPM IIITDM Jabalpur aims at scalable training programmes in niche areas of Electronics and ICT for the development of the required knowledge base, skills and tools to unleash the talent of the Indian population. The Academy is identified by the MeitY as a hub of activities for capacity building through training, internships, research, and consultancy programmes in fundamental and advanced topics in electronics, information and communication technologies, the Academy conducts customized academic programmes for students, corporate sectors and researchers.

Govt. Holkar Science College, Indore

Government Holkar Science College, established in 1891 by Maharaja Shivaji Rao Holkar, is a renowned co-educational institution affiliated with Devi Ahilya Vishwavidyalaya (DAVV), Indore. With 132 years of academic excellence, it offers 21 undergraduate, 16 postgraduate, 2 postgraduate diploma, and 6 Ph.D. programs, accredited with NAAC A++. The college serves over 12,000 students, providing quality education in science through modern and traditional programs, supported by experienced faculty and advanced facilities, in line with the National Education Policy (NEP-2020).

Faculty Development Programme
On
Empowering Faculty with AI, Big Data, Optimization, and CPLEX/LINGO for Research Excellence and Teaching Innovation

This program aims to equip educators with cutting-edge skills in AI, Big Data analytics, and optimization techniques. Participants will gain hands-on experience with powerful tools like CPLEX and LINGO, enhancing their ability to solve complex problems in both research and teaching. This program promotes interdisciplinary collaboration, fosters innovative teaching methods, and empowers faculty to integrate these technologies into their courses, improving student engagement and learning outcomes. By leveraging these tools, faculty can enhance their research capabilities and stay ahead in a tech-driven academic world. Attendees will also discover new opportunities for collaborative research, bridging gaps between various disciplines and industry sectors. Ultimately, this program ensures that faculty are well-prepared to lead in the ever-evolving academic landscape and contribute to impactful, data-driven research.

Who can attend: Suitable for faculty from colleges, universities, and technical and professional institutes can attend. Students, researchers, and industry personnel working in allied disciplines can also attend.

Important Dates:

Last Date of Online Registration: 18/05/2025
FDP Dates: 19-24 May 2025 (Physical mode)
Venue: Govt. Holkar Science College, Indore.

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Jointly Organized by

Government Holkar Science College, Indore

And
Electronics and ICT Academy
IIITDM Jabalpur

PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur
Dumna Airport Road, Jabalpur 482005

An Initiative of the Ministry of Electronics and Information Technology, Government of India

Resource Persons

- Prof. M Mathirajan, IISc Bangalore
- Prof. Chandra K. Jaggi, University of Delhi
- Prof. Bhavin J. Shah, IIM Indore
- Dr. Aekta Aggarwal, IIM Indore
- Dr. Prerna Gautam, IIT Kanpur
- Dr. Deepmala, PDPM IIITDM Jabalpur
- Dr. Chitaranjan Sharma, Govt. Holkar Science College, Indore

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Course Contents

- Overview of AI, Big Data, and Optimization in Education and Research
- Fundamentals of Machine Learning and AI
- Big Data Analytics for Research and Teaching
- Data Visualization and Interpretation
- Optimization Techniques and Tools with Examples
- Practical Optimization Using CPLEX/LINGO

Hands-On Sessions

- Introduction to CPLEX and LINGO
- Formulating Optimization Models
- Solving Real-World Problems
- Hands-on Exercises
- Analyzing Results

Programme Features

- Expert-Led Sessions
- Hands-on Learning
- Interdisciplinary Focus
- Research and Teaching Integration
- Networking Opportunities

Registration Details

- Registration link – Please fill out registration using the following link: https://forms.gle/Ux2J2eSWPXc6LtEp8
- Registration fee: 1000/- INR.
- Last Date for Registration: 18/05/2025

Online Payment Details

- **Internet banking [Partner Institute]**

Beneficiary Name	PDPMIIITDM Jabalpur
Bank Name	INDIAN BANK
A/C No.	50018692852
IFSC Code	IDIB000M694

- **UPI ID: iiitdmj@indianbk**

- **QRCode:**

PDPM IIITDM JABALPUR
SCAN & PAY
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