

## About Electronics & ICT Academy at PDPM IIITDM Jabalpur

Department of Electronics and Information Technology, Government of India has instituted seven Electronics and ICT Academies with one academy at PDPM IIITDM Jabalpur with the primary objective preparing manpower for two important missions - 'Digital India' and 'Make in India'. The Academy aims at the design and implementation of scalable training programmes in niche areas of electronics and ICT for the development of required knowledge base, skills and tools to unleash the talent of Indian population. The Academy at PDPM IIITDMJ will partner with IIITM Gwalior, MANIT Bhopal, and IIT Indore to run high quality specialized courses for faculty, students and unemployed graduates. In addition, the Academy will conduct customized training programmes and research promotion workshops for corporate sector and educational institutions. The Academy is envisioned to become a central hub of activities on training, consultancy work and entrepreneurship programmes.

### Other centers:

- NIT Patna, (Bihar)
- NIT Warangal, (Telangana)
- IIT Guwahati, (Assam)
- IIT, Kanpur (Uttar Pradesh)
- IIT, Roorkee (Uttarakhand)
- MNIT, Jaipur (Rajasthan)

### About Global Coordinating Institute : PDPM IIITDM Jabalpur

IIITDM Jabalpur was established in 2005 with a focus on education and research in IT enabled Design and Manufacturing. Since its inception, PDPM IIITDM Jabalpur has been playing a vital role in producing quality human resources for contribution in India's mission of inclusive and sustainable growth. The Institute offers undergraduate, postgraduate and PhD programmes in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, and Design along with masters and PhD programmes in Mathematics and Physics. Under IIIT act, the Institute has been declared an Institute of National Importance in January 2015. The Institute campus is being developed on 250 acres of land close to Dumna Airport, Jabalpur. The Institute is 10 kms from the main railway station and 5.5 kms from Dumna airport, Jabalpur.

## Contact Details

### Co-conducted at

- IIT Guwahati (<https://www.iitg.ernet.in/eictacad/>)
- IITRoorkee (<http://eict.iitr.ac.in/>)
- PDPM IIITDM Jabalpur (<http://ict.iiitdmj.ac.in/>)
- MNIT Jaipur ([www.mnit.ac.in/eict](http://www.mnit.ac.in/eict))
- NIT Patna ([www.nitp.ac.in/ict](http://www.nitp.ac.in/ict))
- NIT Warangal (<http://nitw.ac.in/eict/>)

### For more details or a query please contact Global Coordinator :

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Introduction to Data Structures and Programming in C  
**Electronics and ICT Academy**

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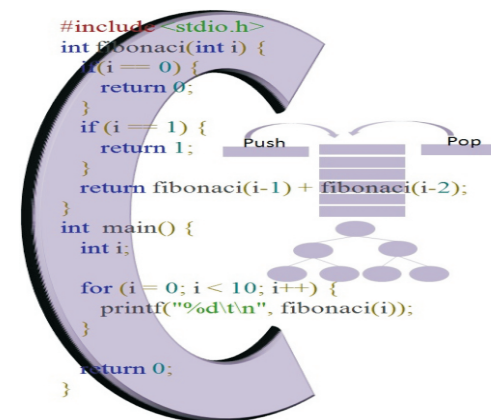
Website: [ict.iiitdmj.ac.in](http://ict.iiitdmj.ac.in)

## Local Coordinators

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## Introduction to Data Structures and Programming in C

July 01-10, 2016



## Faculty Development Programme Under Electronics and ICT Academy

Jointly Organized by  
Electronics and ICT Academies  
at

**IIT Guwahati, IIT Roorkee, IIITDM Jabalpur,  
MNIT Jaipur, NIT Patna and NIT Warangal**



Supported by



Department of Electronics and Information Technology (DeitY)  
Ministry of Communication and Information Technology,  
Government of India

**About the course:**

This course provides students and faculties a comprehensive study of Data Structures and Algorithms using C programming language.

Aim of the course is to enable the audience to assess how the choice of data structures and algorithm paradigms impact the performance of programs.

The course will focus on the mathematical background required to show the correctness as well as to determine the run time and memory usage of algorithms.

It will also emphasize on how to choose the appropriate data structure and algorithm design method for a specified application. This course offers the students a mixture of theoretical knowledge and practical experience

## Course Modules

- 1. Fundamental Concepts of Programming**  
Coordinator-- Dr. Sudip Roy, IIT Roorkee and Dr. R. R. Rout (NIT Warangal)
- 2. Basic Concepts of Data Structure**  
Coordinator Dr. Pritee Khanna and Dr. Sraban K. Mohanty IITDM Jabalpur
- 3. Abstract data types, hashing and file structure**  
Coordinator: Dr. Vijay Laxmi, MNIT Jaipur
- 4. Data structures and implementation of algorithms**  
Coordinator: Dr.M.P. Singh (NIT Patna) and Dr. R. R. Rout (NIT Warangal)

## Faculty Development Programme

**Who can attend :**

Programmes are open to faculty and research scholars from all the colleges and universities in India. Industry personnel working in the concerned/allied discipline may also apply. Limited seats are also available at each academy for research scholars engaged in teaching.

**How to apply :**

**Online** – The participants may log on to any one of the ICT academy website and fill up the application form.

**By Email** – Scanned copy of the filled in application form duly endorsed by the forwarding authority is to be mailed at respective academy email ids (e.g., if you are applying for IIITDM Jabalpur center then mail at academyiiitdmj@gmail.com).

Application format given in this brochure may also be downloaded from the website.

Spot Registration is also possible depending on the availability of seats. In that case all necessary documents along with demand draft may be submitted at the time of on-site registration on July 01, 2016. No Travelling Allowance will be paid by the Academy.

**Important Dates :**

Last Date of Online Registration : June 24, 2016

Course Dates : July 01-10, 2016

**Registration Fee (course materiel + lunch inclusive) :**

Rs. 2000/- for participants from academia

Rs. 5000/- for participants from industry and research organizations

**Accommodation charges (if needed) :**

Rs. 2000/- (including breakfast and dinner)

For details of the programme and course contents etc., please log on to any of the Electronics and ICT Academy website given above.

## Application Form

Name of the Applicant (first, last): .....

Gender: .....

Designation: .....

Name and Address of the Organization/Institute/college:  
.....  
.....

City/town: ..... Email:.....

Alternate email (if any): .....

Phone Number: .....

Mobile Number: .....

Do you need accommodation? (Yes/No):

DD Number: ..... Date:.....

Issuing Bank: ..... payable at: .....

Signature of the Applicant

I hereby agree to relieve Mr./ Ms./ Dr. ....

..... in case she/he is selected to attend the programme.

Signature and Seal of the Forwarding Authority

Name .....

Designation .....