Brochure

Introduction to Web Development

June 13 - 22, 2017
Organized through NKN
By
Electronics & ICT Academies

| IIT Roorkee | IIT Guwahati | IIITDM Jabalpur | MNIT Jaipur | NIT Patna | NIT Warangal |

Preamble:

"Electronics & ICT Academy" is an initiative of Ministry of Electronics and Information Technology, Govt of India, set up at selected institutes in India. The academies at IIT Guwahati, IIT Roorkee, IIITDM Jabalpur, MNIT Jaipur, NIT Patna and NIT Warangal are jointly organizing a Faculty Development Programme (FDP) on **Introduction to Web Development during June 13 – 22, 2017**. Experts from IITs, NITs, IIITs and other premier institutes will deliver lectures through National Knowledge Network (NKN) and participants registered at any of the above stated institutes will interactively learn from these lectures. In addition, local course coordinators at respective institutes will take care of practical sessions. Each E&ICT Academy is given with jurisdiction states/UTs in India.

About the Faculty Development Programme (FDP) on Introduction to Web Development:

This course provides a fast-paced introduction to Web Development. The objective of course is to train participants how to design a creative and dynamic website. It also aims to train how to design and to develop simple database driven web applications using a server-side scripting language. The modules are aimed to give an understanding of basic HTML, JavaScript, CSS, XML, Client-side scripting, Server-side scripting and MySQL. Participants will learn how to create web pages using XHTML and cascading style sheets, identify its elements and attributes and analyze a web page. Participants will also develop practical skills in implementing dynamic web pages using JavaScript (Client-side programming), creating XML documents and schemas, and building interactive web applications using AJAX.

S.No	Module Name	Topics
1	Overview of Web Development - Client-side Programming Module Coordinator - Dr. Partha Roy (IIT Roorkee)	Introduction to Web Page Designing, XML
2	Scripting Module Coordinator - Prof. Kumar Abhishek (NIT Patna)	Java script, Introduction to AJAX
3	Server-side Programming Module Coordinators - Dr. S. Ravichandra (NIT Warangal)	Server-side Programming, PHP (Hypertext Preprocessor)
4	Introduction to MySQL Module Coordinator - Dr. BV Phani (IIT Kanpur)	Introduction to MySQL
5	Soft Skills	Lecture delivery and presentations, holding effective sessions, Handling student questions and queries

Participants are encouraged to list their expectations in their e-mail to the Global Coordinator.

Course Outcomes:

- To master the fundamentals of website development, such as HTML5, XHTML, CSS, JavaScript, Ajax, multimedia, HTTP, and scripting languages.
- To develop practical skills to build dynamic, database-driven web applications, such as use of a LAMP framework (Linux, Apache, MySQL, and PHP) and JavaScript (+ Ajax), among others, to develop robust online programs.
- To learn to use, design, code and publish webpages / websites for information and data management.
- Pedagogy specific to web development techniques.
- Increase potential of candidates to find job and research opportunities in areas of Web Technologies.

Who can apply: The programme is open to faculty of engineering colleges, technical institutions. Limited number of seats may be offered to research scholars depending on availability at E&ICT academies.

Registration Fee Particulars:

Faculty members (General/ OBC)	:Rs. 3,000/- (Three Thousand rupees only)
Faculty members (SC/ST)	:Rs. 750/- (Seven Hundred Fifty rupees only)
Persons from Industry	:Rs. 9,000/- (Nine Thousand rupees only)

Boarding and Lodging will be provided as a part of registration fees by the Academy. No Travel Allowance will be paid to the participants.

Global Coordinator:

Dr. Sanjeev Manhas,

Electronics & Communication Engineering Department

E&ICT Academy

IIT Roorkee

Email: eictiitr@gmail.com, samanfec@iitr.ac.in

Tel: 91-1332-28 6457 (O)

Mode of Payment: Candidates can register either online or offline. For registration, please visit respective E&ICT acdemy website, provided below.

Note: Participants belonging to states/UTs not mentioned below can apply to any of the nearest academies as per their choice.

Participants belonging to States/ UTs	Local Coordinator	Contact Details /website for registration	Payment details (DD / Online transfer)
Telangana, Andhra Pradesh, Karnataka, Goa states and Andaman and Nicobar Islands, Puducherry	Dr. T. Ramakrishnanudu, **NIT Warangal**	trk@nitw.ac.in http://nitw.ac.in/eict	DD in favor of "Director, NIT Warangal" payable at NIT Warangal or *On-line Mode:* Account Name: Electronics & ICT Academy NITW Account No: 62423775910 and IFSC: SBHY0020149
Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Tripura, Sikkim	Dr. Rohit Sinha, **IIT Guwahati**	rsinha@iitg.ernet.in http://www.iitg.ernet.in/eictacad/	DD in favor of "Registrar, IIT Guwahati" Payable at Guwahati or *On-line Mode:* Account Name: IIT Guwahati R&D E&ICT ACADEMY Account No. 36071160089 and IFSC: SBIN0014262
Madhya Pradesh, Chhattisgarh, Maharashtra	Dr. Atul Gupta, **IIITDM Jabalpur**	atul@iiitdmj.ac.in http://ict.iiitdmj.ac.in/	DD in favor of "Electronics and ICT Academy, IIITDMJ" payable at Jabalpur or *On-line Mode:* Account Name: Electronics and ICT Academy, IIITDMJ, Jabalpur Account No. 50302042708 and IFSC: ALLA0212433
Rajasthan, Gujarat, Dadra & Nagar Haveli, Daman & Diu	Dr. Arka Prokash Mazumdar, **MNIT Jaipur**	apmazumdar.cse@mnit.ac.in http://mnit.ac.in/eict	DD in favor of "Electronics and ICT Academy, MNIT Jaipur" Payable at Jaipur or Online Mode: Account Name: Electronics & ICT Academy, MNIT, Jaipur Account No: 676801700483, IFSC: ICIC0006768
Bihar, Jharkhand, Odisha, West Bengal	Prof. Anand Shanker Tewari, **NIT Patna**	anand@nitp.ac.in http://nitp.ac.in/ict/	DD in favor of "Director, NIT Patna" payable at Patna or *On-line Mode:* Account Name: NIT, Patna Account No: 50380476798, IFSC: ALLA0212286
Jammu and Kashmir, Himachal Pradesh, Uttarakhand	Dr. Sudip Roy, **IIT Roorkee**	sudiproy.fcs@iitr.ac.in http://eict.iitr.ac.in/	DD in favor of "Dean SRIC IIT Roorkee" payable at Roorkee or *On-line Mode:* Account Name: Research Project, IIT Roorkee Account No: 33012172097, IFSC: SBIN0001069

Selection: Fifty (50) seats are available at each academy. Participants will be selected based on first-cum-first-serve basis by each academy. Ten (10) more seats are also available for participants from industry. Selected participants will be communicated through e-mail / notified in E&ICT Academy websites.

Important dates:
Last date for submission of application: May 30, 2017
Selection-list intimation/display before: June 06, 2017