

About the Institute

On 15th September 2004, a day celebrated annually as "Engineers Day", under the visionary leadership of Capt. Satish Sharma, Chairperson Raebareli Polytechnic Association, and Smt. Sonia Gandhi, Chairperson UPA, Feroze Gandhi Institute of Engineering & Technology (FGIET) was incepted. FGIET affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow, approved by AICTE, New Delhi. FGIET is a premier institute, established with a vision to develop sincere and committed technical professionals and scholars. FGIET provides value based education with a focus on excellence in academics. FGIET campus spreads over 22.5 acre with several conspicuous features offering an amiable, verdant and eco-friendly atmosphere to students to make them more meditative, veracious and focused. The Institute regularly organizes FDPs, Workshops, Seminars, and Guest Lectures to expose the faculty members and students with the recent technical trends by inviting eminent national and international personnel from academia and industrial world. Various co-curricular and extra-curricular activities are regularly conducted which ensures the overall development of the students. FGIET Campus has an excellent reputation among students, their parents and staff.

About the Department

The Department of Computer Science & Engineering was established in September 2004. The department offer four year degree course as B.Tech. in Computer Science & Engineering with sanction intake of 60 students. The Department has increase the intake of 120 Student with the year 2008. The department has well-qualified and dedicated teaching faculty with various specialization and good exposure. With the passage of its evolution and growth has succeeded in creating its place of excellence not only within the college but among its counterparts in the country. The department has a comprehensive curriculum on topics related to all aspects of Computer Hardware and Software with an emphasis on practical learning and provides an outstanding research environment complemented by excellence in teaching. The course structure is up-to-date and includes courses on nascent topics to equip our students with the latest developments in Computer Science & Engineering.

About the Programme

In recent years, we have witnessed a rapid development on parallel & distributed computing technologies which have a significant impact on solutions to many scientific and engineering problems. Researchers who need higher computational power for modeling and simulation of real world problems must be aware of the new parallel & distributed computing technologies using multi-core systems and GPU based systems. High volumes of live data that needs to be processed in real time requires the parallel & distributed computing technologies. All modern systems including laptops, workstations and even mobiles also are built using multi-core processors. In this context there is a need of learning state-of-art parallel & distributed computing systems and technologies and algorithms.

This faculty development programme (FDP) is devoted to fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects on multi-core and GPU based parallel & distributed computing technologies. This Faculty Development Programme (FDP) is aimed at honing the teaching and research skills of prospective, new and seasoned Professional teachers, researchers and trainers.

Objectives

- To develop expertise and extract performance of sequential and parallel programs for large scale applications on Multi-to Many core clusters with co-processors and GPUs based on MPI, OpenMP in parallel & distributed computing.
- To discuss algorithms for parallel computing focusing various application domains on a distributed computing system.
- To make strong foundation on parallel & distributed computing for performance of data intensive applications.

The FDP aims to cover four classroom lectures in the morning and two hour hands-on session in the afternoon.

Topics of the FDP

- Uni- and Multi-Processor Programming
- Parallel Programming Paradigms and Algorithms
- Performance and Scalability Analysis
- Shared Memory Programming–OpenMP: Directive Based Parallel Programming
- Explicit Message Passing–MPI Library
- Implementation of Matrix Computations, Graph and Sorting Algorithms
- Introduction to GPU programming–CUDA
- An Overview of Distributed Computing Technologies–Hadoop MapReduce Programming

Learning Outcomes

After completion of FDP, participants will be:

- Able to understand concepts and range of problems that can be handled using parallel computers.
- Able to develop programs that can learn without being explicitly programmed.
- Able to relize the research avenues in parallel & distributed computing.
- Able to explore recent trends in parallel computing and research opportunities.

FDP Committee

CHIEF PATRON	Prof. Vinay Kumar Pathak Vice Chancellor APJAKTU, Lucknow
PATRON	Smt. Suneeta Chauhan Chairperson FGIET, Raebareli
FDP CHAIR	Prof. R. P. Sharma Director FGIET, Raebareli
COORDINATOR	Dr. Lokendra Singh Umrao Assistant Professor Computer Science & Engineering Department FGIET, Raebareli

Programme Committee

- Dr. Piyush Seth, Assistant Professor, Department of CSE
- Mr. Jay Prakash Pandey, Assistant Professor, Department of CSE
- Mrs. Shradha Srivastava, Assistant Professor, Department of CSE

Resource Persons

- Dr. Anil Kumar Tripathi, Professor, IIT (BHU) Varanasi
- Dr. Ravi Shankar Singh, Assistant Professor, IIT (BHU) Varanasi
- Dr. D. S. Kushwaha, Associate Professor, MNNIT Allahabad
- Ms. Shashwati Banerjee, Assistant Professor, MNNIT Allahabad
- Dr. Saritha Khetawat, Assistant Professor, MANIT Bhopal
- Dr. Akhtar Rasool, Assistant Professor, MANIT Bhopal
- Dr. Rakesh Kumar, Professor, MMMUT Gorakhpur



One Week

Faculty Development Programme

on

Parallel & Distributed Computing

(January 30 – February 03, 2017)

Sponsored by

Dr. A.P.J Abdul Kalam Technical University, Uttar Pradesh, Lucknow



Coordinator: Dr. Lokendra Singh Umrao

Organized by

Department of Computer Science & Engineering
Feroze Gandhi Institute of Engineering & Technology
(Affiliated to Dr. A.P.J Abdul Kalam Technical University, Uttar Pradesh, Lucknow)

Lucknow-Allahabad Road

Ratapur Crossing

Raebareli, U.P.-229316

Tel: 0535-2217269, Telefax: 0535-2217430

Eligibility

All the faculty members from Under Graduate /Post Graduate programmes of AICTE approved technical institutes, M.Tech. students, Research Scholars and Professionals working in industry.

Registration

The participants are requested to register their names by sending the duly filled registration form in the format attached herewith. Send the scanned copy of filled registration form to email given below on or before **January 25, 2017**.

Email: lokendra.manit@gmail.com

Registration Fee

Registration fee **INR 1500** without accommodation

Registration fee **INR 2000** with accommodation

The above fee includes FDP kit and fooding on all working days.

Mode of Payment: Online/DD

Registration fee is to be paid by Demand Draft drawn in favor of **Director, Feroze Gandhi Institute of Engineering & Technology** payable at **Raebareli** or by online bank transfer.

Our Bank details are as follows:

Bank Account Holder: Feroze Gandhi Institute of Engineering & Technology

Bank Name: Allahabad Bank, Branch-Raebareli

Account Number: 50117371007

Account type: Current, IFSC: ALLA0210065

If fee is paid by online then please email the transaction ID.

Important dates

Last date for submission of application: 25.01.2017

Selection-list intimation/display before: 28.01.2017

Duration of Programme: 30th January – 3rd February 2017

Certificate

Participation Certificate shall be issued to all the participants by institute on the concluding day.

Travel and Accommodation

Participants will have to make their own arrangements for their travel. Stay and dinner of participants from outside Raebareli will be arranged in campus guest house provide in campus on first come first serve basis as per institute guest house capacity.

How to apply

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through e-mail to lokendra.manit@gmail.com as selection will be intimated only through mail.

FORMAT OF APPLICATION

Faculty Development Programme

on

Parallel & Distributed Computing

(30th January – 3rd February, 2017)

Organized by

Department of Computer Science & Engineering

Feroze Gandhi Institute of Engineering & Technology, Raebareli

sponsored by

Dr. A.P.J Abdul Kalam Technical University, Uttar Pradesh, Lucknow

1. Name:
2. Date of birth: Gender(M/F):
3. Designation:
4. Department:
5. Institution:
6. Address for communication:
.....
.....
Pin: Phone No:
- Mobile:
- E-mail:
7. Highest Qualification:
8. Specialization:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience (Number of years):
Teaching: Industry:
12. Whether accommodation needed (Yes/No):
13. DD/NEFT No. and date:
- Bank & Branch:

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator sufficiently in advance, in case I am unable to attend the course.

Place:

Date:

Signature of the applicant

SPONSORSHIP CERTIFICATE

Certified that Mr./ Ms./ Dr.
..... is an employee of this institution and is hereby sponsored for the FDP on **Parallel & Distributed Computing** at **Feroze Gandhi Institute of Engineering & Technology, Raebareli** during the period of 30th January – 3rd February, 2017. He/she will be permitted to attend the course, if selected.

Place:

Date:

Name & Signature of Sponsoring Authority
(seal of the institution)

Selection Criteria

Selection will be done based on **first-come-first-serve basis** and the confirmed candidates will be notified immediately. The maximum number of participants will be **50 (fifty)**. Additionally 10 participants from industry are allowed to participate. The list of selected participants will be notified in the institute web site www.fgiet.ac.in and also will be sent to their personal e-mail ids. In case a candidate is not selected, the demand draft will be sent back.

Address for Correspondance

Dr. Lokendra Singh Umrao

Coordinator–FDP,

Computer Science & Engineering Department

FGIET, Raebareli, Uttar Pradesh–229316

Mail the scanned copies of filled-in and duly signed application form with DD/NEFT to

Email: lokendra.manit@gmail.com

For any enquiry contact:

Mobile: 9415772305

For more information visit

URL: fgiet.ac.in

