



J N T U H COLLEGE OF ENGINEERING
KUKATPALLY HYDERABAD-500085 (Telangana State)
Faculty Development Programme (FDP)
on
Algorithms
Organized by
Department of Computer Science and Engineering
Under TEQIP-II
(20th Sept 2016– 25th Sept 2016)

ABOUT THE UNIVERSITY

Jawaharlal Technological University Hyderabad (JNTUH), a premier institute of technical education in India is providing quality education and promoting research for nearly 4 decades. The institute's environment of academic excellence led to the grant of Grade 'A' by NAAC (National Assessment and Accreditation Council).

ABOUT THE COLLEGE

JNTUH College of Engineering Hyderabad (JNTUH CEH) is a constituent college of JNTUH located at Kukatpally. The college has 12 departments offering various undergraduate and post graduate programmes. Besides academic programmes, the college is involved in extensive research activities and industrial consultancy services striving for excellence in all respects.

ABOUT THE DEPARTMENT

The Department of Computer Science & Engineering started in 1984. The Department has qualified staff and well equipped laboratories, and offers both undergraduate and post graduate programmes. Besides regular undergraduate and post graduate programmes, the department offers integrated and integrated dual degree programmes in collaboration with Blekinge Institute of Technology, Sweden and Asian Institute of Technology, Bangkok.

The department strives hard to nurture the young students into qualified and competent engineers prepared to accept the new challenges in the Industry.

Preamble:

Algorithms are the foundation of Computer Science, A number of significant advances have been made in the field of algorithms ranging from the development of faster algorithms to the startling discovery of some natural problems for which all known algorithms are found to be inefficient. These results triggered considerable interest in the study of algorithms, and the area of algorithm analysis and design has evolved into a field of interest. Many of the problems, though they may not seem realistic, require the same set of algorithmic knowledge that comes up every day in the real world. The course introduces the notion of hard problems through the theory of NP-completeness and the development of approximation and randomized algorithms to provide tractable solutions to hard problems. Substantial improvements in multiprocessing systems and the rise of multi-core processors have motivated the design of parallel algorithms. To work in cluster computing and distributed computing environments a subtype of parallel algorithms called distributed algorithms will be discussed.

Major Course Contents :

- Elements of Algorithm Analysis
- Algorithm Design Techniques
- Quantum Algorithms
- Basic Graph Algorithms
- NP-Completeness
- Randomized Algorithms
- Parallel Algorithms

Speakers:

The programme will be conducted by the faculty members from **JNTUH HYDERABAD**. Experts from IITs/NITs/IITs are expected to deliver the lectures as part of the course.

Eligibility: The programme is open to the *teachers of engineering colleges, MCA colleges and other allied disciplines and also Research Scholars* in Telangana, Andhra Pradesh and other states from India. Industry personnel working in the concerned/allied discipline can also attend.

Registration Fee Particulars:

Faculty members (Rs 500/- Only) and Research scholars (Rs 500/-Only)

The participants need to send a crossed demand draft (DD) drawn in favour of "The Co-ordinator, CSE Dept., JNTUH CEH" and payable at Andhra Bank, JNTUH Campus branch, Hyderabad.

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 mratanjntu@gmail.com as selection will be intimated only through mail.

Selection Criteria:

Selection will be done based on *first-cum-first-serve basis* and the confirmed candidates will be notified immediately. The maximum number of participants will be **50 (fifty)**. The list of selected participants will be notified in the institute web site www.jntuhceh.ac.in and also will be sent to their personal *e-mail* ids. Candidates will be issued certificates on successful completion of the course. **Accommodation** for the participants will be provided on concessional fee payment basis.

Important dates:

Last date for submission of application: 17/09/2016

Selection-list intimation/display before: 19/09/2016

Duration of Program: 20th Sept 2016– 25th Sept 2016.

Coordinator:

Dr. M.Nagaratna, Assistant Professor

Department of Computer science & Engineering

JNTUH College of Engineering, Hyderabad, TS-500085

FORMAT OF APPLICATION
Faculty Development Programme
on
Algorithms
(20th Sept 2016 – 25th Sept 2016)

1. Name : SPONSORSHIP CERTIFICATE
2. Designation : Dr/Mr/Ms.
3. Institution :is
4. email: an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on Algorithm Analysis and Design during 20th Sept 2016- 25th Sept 2016, conducted by Dept. of Computer Science & Engineering, JNTUH College of Engineering, Hyderabad, under COE TEQIP-II.
5. DD No: Bank: Date:
6. Address for Correspondence
- Place:
- Date:
7. Educational Qualifications with specialization:
8. Subjects taught so far:
9. No. of refresher courses/workshops attended:
10. Experience (in years)
Teaching : Research:
Industry:

Signature of Head of Institution
(with seal)

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Place:
Date: Signature of the applicant

Address for correspondence

Post your application form with DD to
Dr. M. Nagaratna, Assistant Professor,
Dept. of Computer Science & Engineering,
JNTUH College of Engineering Hyderabad,
Telangana State, India-500085.

Mail the scanned copies of filled-in and duly signed application form with DD to
mratajnntu@gmail.com
For more information visit :<http://jntuhceh.ac.in>

Co-ordinator:
Dr. M. Nagaratna, Assistant Professor
Department of Computer science & Engineering
JNTUH College of Engineering,
Hyderabad, Telangana State-500085