



AICTE Sponsored two weeks
Staff Development Program
on
Design and Analysis of Algorithms
May 26,2008 to June 06, 2008

Coordinator
Dr. Deepak Garg
Assistant Professor



Organized by: -

Computer Science and Engineering Department
Thapar University, Patiala-147004

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Thapar University (TU), Patiala is a premier institute of learning in India and is known for its excellence in teaching and research. It enjoys the status of a Deemed University. Thapar University, established in 1956, is committed for over half a century to creation, archiving and dissemination of knowledge in Engineering, Science and Technology for service to humanity. TU offers PhD, 20 PG and 9 UG degree program in Engineering and Science. We offer a great work environment imbued in research and scholarship; extremely talented students; pristine campus of 250 acres with world-class infrastructure. The Computer Science and Engineering Department is NBA, NAAC and ISO certified and has collaborations with IBM, SUN, Infosys, Microsoft and Intel for education and research. Department is running ME (Computer Science), ME (Software Engineering), PhD apart from UG program. The princely city of Patiala is refreshingly quiet with opulent lush green cover dotting its entire landscape.

Patiala is well connected by Road and Rail with New Delhi (4 hours) and surrounding locales like Chandigarh (1 Hour), Amritsar (4 hours), Shimla (5 hours) and Ambala (1 hour). The nearest airports are Chandigarh, Amritsar and Delhi.

Objective and details of the course

Algorithms are the heart and brain of any computer software. This is the most important and necessary subject for any computer professional, teacher and student. The need of sophisticated algorithms is increasing in all areas of applications due to increasing size and complexity of the problems.

The objective of the program is to impart, update and refresh the subject knowledge in the subject of algorithm analysis and design. It will also give an insight into the latest developments in the field of algorithms.

In brief the program will cover data structures, algorithm analysis techniques, algorithm design techniques, divide and conquer, greedy programming, dynamic programming, backtracking, branch and bound, parallel and distributed programming, approximation algorithms and other latest developments in the area of algorithms. The Program will be inclusive and exhaustive having theory and lab components. Program will have guest lectures from eminent personalities of Computer Science.

Eligibility/TA/DA/Boarding/Lodging

Teachers/Scientists working in AICTE/UGC/Govt. of India approved institutes or organizations are eligible to apply. Participants from Industry are also welcome.

Boarding & Lodging will be arranged free of cost in the newly constructed PG hostel having all the basic facilities. All the candidates will be entitled for the AC-3 Tier train/deluxe bus fare of the shortest route on production of actual tickets.

Registration/Payments

A Registration fee of Rs. 2000/- has to be paid in the form of a Demand Draft (DD) in favor of “SDP-Algorithms” payable at Patiala. The last date of registration is 15th May 2008.

About the Coordinator

Dr. Deepak Garg has done his Ph.D. in the area of efficient algorithm design. He is certified on various technologies from Sun, IBM and Brain bench. He is Senior Member of IEEE and is Executive Member of IEEE Delhi Section. He is Life Member of ISTE, CSI, IETE, ISC, British Computer Society and ACM. He is also serving at different levels in various social and spiritual organizations. He has taught various core subjects at graduate and undergraduate levels and is guiding PhD students.



He has handled various research projects and organized two national conferences. He has successfully organized 12 short-term courses on latest technologies.

He has 18 publications in various International Journals and conferences. He is President of Creative Computer Society and Coordinator of various Industry collaborations in the University. He has served in various committees and has been a member of Senate of Thapar University. He has 10 years of teaching/research/development experience that includes working in IBM Corporation, USA. He has edited two books and is on the editorial board of an International Journal. He provides consultancy in the area of software development and technical education. For expert lectures, consultancy details or any other assignments mail at deepakgarg@ieee.org

Registration Form
A Staff Development Program on
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Name:

Designation & Qualification:.....

Organization/Institute/University

Address for Correspondence.....
.....

Phone (Mobile).....

Email.....

Sex & Age

Total teaching/ research/ development Experience.....

Accommodation Required (Y/N).....

Arrival/departure details.....

Demand Draft No.....

Issuing Bank Amount.....

Date.....Signature of the candidate.....

Any specific preferences regarding boarding/lodging.....

(Kindly attach your brief CV with the registration form)

Advance copy of the form can be sent by email at deepakgarg@ieee.org

The applicant will be relieved for the said period if selected for the above course. The candidate is suitable to attend the course. The Candidate will abide by the rules and regulations governing the staff development program and will attend with full sincerity.

Date..... Signature and seal of the Principal/Director/VC

The Registration form along with the draft should reach to:

Dr. Deepak Garg, Assistant Professor,
Computer Science and Engineering Department
Thapar University, Patiala-147004