

# AICTE Sponsored 2-weeks Staff Development Program

## Design & Analysis of Algorithms

May 26,08 (Monday) to June 06,08(Friday)

### 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 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 15<sup>th</sup> 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 popular social and spiritual organizations. He has taught many core subjects at graduate and undergraduate levels and is guiding PhD students.



He has handled research projects from Govt and Private entities and organized two national conferences. He has successfully organized 12 short-term courses on latest technologies including UGC and DBT sponsored Programs.

He has 38 publications in good International Journals and conferences. He is President of Creative Computer Society and Coordinator of Industry collaborations in the University. He has served in various committees and has been a member of Senate of Thapar University. He has 15 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, research projects and technical education. For expert lectures, consultancy details or any other assignments mail at [deepakgarg@ieee.org](mailto:deepakgarg@ieee.org), [dgarg@acm.org](mailto:dgarg@acm.org)

**Registration Form**  
**A Staff Development Program on**  
**Design and Analysis of Algorithms**  
**May 26, 2008 to June 06, 2008**

Name: .....

Designation & Qualification:.....

Organization/Institute/University .....

Address for Correspondence.....

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Phone (Mobile).....

Email.....

Sex & Age .....

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](mailto:deepakgarg@ieee.org), [dgarg@acm.org](mailto:dgarg@acm.org)

The applicant will be relieved for the 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  
Computer Science and Engineering Department  
Thapar University, Patiala-147004