

Organizing Committee

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Dept of CSE.

Coordinators **Dr. G. Murugesan, M.E., Ph.D.**
Professor,
Dept of CSE.

Dr. M.P. Rajakumar, M.E., Ph.D.
Associate Professor,
Dept of CSE.

Ms. S. Shanthini, M.E.
Assistant Professor,
Dept of CSE.

Important Dates:

Submission of Application : **28.11.17**
Intimation of Selection : **29.11.17**
Confirmation by Participants : **30.11.17**

Who can Attend

Faculty members working in Engineering Colleges all over Tamil Nadu affiliated to Anna University, Chennai

Registration

No Registration fees. The registration is strictly restricted to 25 members based on first come first serve process. Kindly register your name on or before the date mentioned in the form. (Priority will be given to the Young faculty members)

Accommodation

For faculty from Anna University affiliated institutions, Boarding and Lodging will be provided (if required) in the college campus at free of cost. No TA/DA will be paid to attend the programme. Lunch and Snacks will be provided.

Resource Person

Sessions will be handled by experts from leading Universities / Institutions / Industries / R&D Centres and experienced faculty members of the hosting institution.

Filled up Application form sent to:

The Coordinator,
FDTP on "Design and Analysis of Algorithms- CS6402",
Department of Computer Science and Engineering ,
St. Joseph's College of Engineering,
OMR, Chennai – 119.

Mobile : 98400 09627, 98842 54492
Email : csefdp@stjosephs.ac.in
Phone : 044 2450 1060 **Fax** : 044 2450 0861

SEVEN DAYS FDTP

ON

DESIGN AND ANALYSIS OF ALGORITHMS - CS6402

4.12.2017 to 11.12.2017

REGISTRATION FORM

Approved by



**Anna University
Chennai**



Organized by

**Department of
Computer Science and Engineering,**

**St. Joseph's College of Engineering,
St. Joseph's Group of Institutions,
OMR, Chennai – 119**

Phone : 044 2450 1060 Fax : 044 2450 0861
E-mail: jprstjosephs@stjosephs.ac.in
Website: www.stjosephs.ac.in

About the Institution

St. Joseph's College of Engineering established in the year 1994, with the watch word of "You Choose, We Do it". Right from its inception, the College aims at offering Value Added Education suitable for meeting the industrial requirements in India and abroad. The College is approved by AICTE, New Delhi and affiliated to Anna University, Chennai and is listed among the 100 top ranking colleges in India which include IITs, NITs and several University Engineering Colleges by "The National Institutional Ranking Framework (NIRF)", approved by the Ministry of Human Resource Development, Government of India.

About the Department

- ❖ Established in the year 1995.
- ❖ Offers one UG and PG course in Computer Science and Engineering.
- ❖ Start with the initial intake of 60 and increased with 120 and 180 from the year 2000 and 2013 respectively for the UG course.
- ❖ 45 Nos. of well qualified dedicated faculties among that 19 of them holding doctoral degree from various reputed Universities.
- ❖ Recognized as Research Centre by Anna University, Chennai.
- ❖ Well equipped spacious laboratories with high end computing systems suitable for Research and Development activities.
- ❖ Our students won prize in the "Smart India Hackathon-2017", organized by Govt. of India and which is sanctioned as a project with financial assistance by AICTE.
- ❖ Applied few patents by the faculty members of our department.

- ❖ Every year a large number of students win accolades at the National and International level awards for their projects, cultural and sports achievements besides securing many University Ranks
- ❖ Many of our students got placements in top notch organizations besides securing admissions in world class Universities in India and abroad

Programme Objectives

- ❖ Design and analyze the algorithm's efficiency for a given computational problem in terms of asymptotic notations.
- ❖ Critically analyze the different algorithm design techniques such as brute force and divide - and - conquer for a given problem.
- ❖ Apply dynamic programming and greedy techniques for a given problem.
- ❖ Solve optimization problems using iterative improvement algorithms.
- ❖ Understand the limitations of algorithm power and the benefits of using backtracking, branch-and-bound and approximation algorithms.

Course Coverage

The following topics will be covered:

- ❖ Algorithmic Problem Solving
- ❖ Brute Force Technique
- ❖ Divide and Conquer Technique
- ❖ Dynamic Programming
- ❖ Greedy Technique
- ❖ Iterative Improvement
- ❖ Maximum Flow Problem
- ❖ Maximum Matching in Bipartite Graphs
- ❖ Backtracking Technique
- ❖ Branch and Bound
- ❖ Approximation Algorithms



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DESIGN AND ANALYSIS OF ALGORITHMS - CS6402

4.12.2017 to 11.12.2017

Registration form

Name :

Gender : MALE/ FEMALE

Qualification :

Designation :

Department :

Institution :

Address for Communication:

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..... PIN.....

E-mail :

Phone (Off.) :

Mobile No. :

Accommodation required? : YES / NO

Declaration:

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of Anna University sponsored programme.

Date: Signature of the Applicant

Sponsorship certificate

Mr/Ms/Dr..... is an employee of our Institute and is hereby sponsored by us. He/She will be permitted to attend the course, if selected.

Signature with seal of Head of the Institution/organization