



Alva's Institute of Engineering & Technology
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Date: 04-07-2017

From,

H.O.D

Department of CSE,
AIET, Moodbidri

To,

IQAC Chairman
AIET Moodbidri

Respected Sir,

Subject: Proposal for conducting Faculty Development Programme on "Design and Analysis of Algorithms" – reg.

We hereby propose to conduct Faculty Development Programme on "Design and Analysis of Algorithms" to all teaching staff of various academia, industry persons and also research scholars 10th to 12th Dec 2017

Kindly permit us to conduct workshop.

Thank you,

Your's sincerely

H. O. D.

Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

IQAC Chairman

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K.

Three Days
Faculty Development Programme

on
“ Design and Analysis of Algorithms “
December 10-12, 2017

Registration Form

Name:.....

Designation.....

Name of the Institution.....

Address.....

Email.....

Mobile.....

Accommodation required: YES / NO

Registration Fee Payment Details :

Amount :.....

D.D. No. :.....

Bank :.....

Date:.....

Place.....

Signature of the Participant

Date.....

Sponsorship Certificate

I hereby agree to sponsor.....
for the 3 Days Faculty Development Programme on
“ Design and Analysis of Algorithms “

Place.....

Signature of HOD / Principal

Date.....

ORGANIZING COMMITTEE

Chief Patron : Dr. M. Mohan Alva
Chairman, AEF

Patron : Sri. Vivek Alva
Managing Trustee, AEF

Chief Advisor: Dr. Peter Fernandes
Principal, AIET

Advisor : Dr. Manjunath Kotari
HOD, Dept. of CS&E

Coordinator : Prof. Harish Kunder
Dept. of CS&E

Members : Teaching & Non – Teaching Staff
Dept. of CS&E

ADDRESS FOR CORRESPONDENCE

Prof. Harish Kunder

Department of Computer Science & Engg.,
Alva's Institute of Engineering & Technology,
Shobhavana , Mijar, Moodbidri – 574225

Mangalore, D.K., Karnataka

Phone: 08258 – 262724, 262725, Ext : 112

Fax : 08258 – 262726

Mobile : 9880980901 / 9164161214

Email : harishkunder@aiet.org.in

Web : <https://www.aiet.org.in>



Three Days

Faculty Development Programme

on

“ Design and Analysis of Algorithms “

December 10-12, 2017



Coordinator

Prof. Harish Kunder

Organized By

Dept. of Computer Science & Engineering
Alva's Institute of Engg. & Technology

“Shobhavana”, Mijar, Moodbidri-574225

Mangalore, D.K., Karnataka

Phone: 08258 – 262724, 262725, 262726

Email : cseaietworkshop@aiet.org.in

Web : <https://www.aiet.org.in>

Alva's Institute of Technology, Mijar, Moodbidri is a premier Engineering Institute of Alva's Education Foundation, established in the year 2008, located adjacent to Mangalore-Sholapur National Highway, which is 24 Kms from Mangalore International Airport. The college is recognized by All India Council for Technical Education (AICTE), New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi. The college is certified to the ISO 9001: 2008 standards. The college is ranked as one of the best Technical Institute in South Canara region. The institute offers under graduate programs in 5 branches of Engineering – Computer Science & Engineering, Civil Engineering, Electronics & Communications Engineering, Information Science & Engineering, Mechanical Engineering. The college offers the following postgraduate programs- Master of Technology, Master of Business Administration. M. Tech courses offered in Thermal Power Engg., Computer Science & Engineering, VLSI Design & Embedded Systems. Five departments at the institute has been recognized as research centers by Visvesvaraya Technological University.

About the Department

Department of Computer Science and Engineering started functioning from the year 2008, with an intake of 60 and has enhanced to 120 from academic year 2012-13. The Post Graduate course, M.Tech in Computer Science and Engineering, was introduced from the academic year 2012-13 with an intake of 18 students. Department is actively involved in co-curricular and extracurricular activities with association and professional bodies. Department of Computer Science & Engineering has always been on a high growth and path since its establishment.

To keep pace with latest technologies, department has employed experienced and dedicated faculty with strong commitment towards research work. The department is dedicated to education, research and overall excellence. The students are well placed in reputed industries as well as

continuing higher education in the premier institute. Department of CSE organizes various events like workshops, Seminars, Technical talks, delivered by eminent resource persons from academia & industry, who have excelled in their field. The department regularly conducts special courses on advanced topics. Department of CSE encourages the faculty and students for participating in research activities for enhancing their subject knowledge and acquire information regarding current trends.

About FDP

The Faculty Development Programme aims at faculties who are teaching the subject Design and Analysis of algorithms in the VTU. Participants will be enlightened and encouraged with motivational talks by eminent researchers from NITK Surathkal

Objectives of the FDP

- The FDP is designed to train and develop professionals in their area, so that, they can act as 'Resource Persons' in guiding and motivating young students
- To provide insight about Algorithms
- To equip the participants with requisite skills, knowledge and competencies for effective analysis of the subject
- To empower teachers to overcome hurdles
- To motivate students towards Quality education

Schedule of the FDP

Day 1 : 10/12/2017

Session 1 : Introduction, Performance Analysis, Asymptotic notations

Session 2 : Important Problem Types, Fundamental Datastructures

Session 3 : Divide and conquer method

Session 4: Decrease and Conquer approach

Day 2 : 11/12/2017

Session 1: Greedy method

Session 2: Minimum cost spanning Tree, Single source shortest paths

Session 3: Optimal Tree problem, Transform and Conquer Approach

Session 4 : Dynamic Programming, Transitive closure

Day 3 : 12/12/2017

Session 1: Dynamic Programming, All Pairs Shortest Paths

Session 2 : Backtracking, Branch and Bound

Session 3: 0/1 Knapsack problem

Session 4 : NP-Complete and NP- Hard Problems

Resource Persons

- Dr. Shashidhar Koolagudi & Team

Assistant Professor, NITK Surathkal

Target Audience

The FDP is open for the participants from academia and industry. Number of participants will be limited to 50. The selected participants will be informed of their selection by e-mail.

Registration Fee : Rs. 500/-

Last Date for Registration : 05/12/2017

Demand draft may be sent in favour of " THE PRINCIPAL, AIET " payable at Moodbidri. Accommodation will be arranged with prior intimation in the college guest house.

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

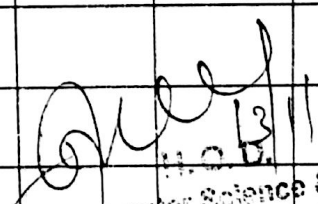
Faculty Development Programme on "Design and Analysis of Algorithms"

10th - 12th December, 2017

Participants Attendance Details

Sl No.	Name of the Participants	10 th FN	10 th AN	11 th FN	11 th AN	12 th FN	12 th AN
1.	Mr. Venkatesh						
2.	Mr. Vasudev S Shahapur						
3.	Mr. Harish Kunder						
4.	Mr. Sayeesh						
5.	Mrs. Sumith N.						
6.	Mr. Chanchal Antony						
7.	Mr. Sushant Mangasul						
8.	Mr. Parikshith Nayaka S.K						
9.	Mr. Hemanth Kumar N P						
10.	Ms Vidya						
11.	Mr. Vivek Sharma S						
12.	Ms. Deeksha M						
13.	Mr. Ritesh Kumar						
14.	Ms. Remul Pinto						
15.	Mr. Tahir N H B						
16.	Ms. Shruthi Shetty J						
17.	Ms. Merlyn Melita						
18.	Mrs. Harshitha G M						

No.	Name of the Participants	10 TH FN	10 TH AN	11 TH FN	11 TH AN	12 TH FN	12 TH AN
	Ms. Ankitha Shetty	<i>Ashtu</i>	<i>Ashtu</i>	<i>Ashtu</i>	<i>Ashtu</i>	<i>Ashtu</i>	<i>Ashtu</i>
	Ms. Mangala Kini	<i>Banki</i>	<i>Banki</i>	<i>Banki</i>	<i>Banki</i>	<i>Banki</i>	<i>Banki</i>
	Ms. Megha D Hegde	<i>Megha D Hegde</i>	<i>Megha D Hegde</i>	<i>Megha D Hegde</i>	<i>Megha D Hegde</i>	<i>Megha D Hegde</i>	<i>Megha D Hegde</i>
2.	Ms. Shilpa	<i>Shilpa</i>	<i>Shilpa</i>	<i>Shilpa</i>	<i>Shilpa</i>	<i>Shilpa</i>	<i>Shilpa</i>
3.	Swapnalaaxmi . k	<i>Swapnalaaxmi . k</i>	<i>Swapnalaaxmi . k</i>	<i>Swapnalaaxmi . k</i>	<i>Swapnalaaxmi . k</i>	<i>Swapnalaaxmi . k</i>	<i>Swapnalaaxmi . k</i>
4.	Suriksha . v . shetty	<i>SUR</i>	<i>SUR</i>	<i>SUR</i>	<i>SUR</i>	<i>SUR</i>	<i>SUR</i>
25.							
26.	No. of Participants = 24						
27.							
28.	programme Incharge - Mr. Harish Kunder						
29.							
30.							
31.							
32.							
33.							
34.							
35.							


 H. C. D.
 Dept. Of Computer Science & Engineering
 Alva's Institute of Engg. & Technology
 Mijar, MOODBIDRI - 574 225

12/12/2017

To,

The Principal

AIET, Mijar

Respected Sir,

Sub:- Account details of a Three day Faculty Development Programme on “ Design and Analysis of Algorithms ” held on 10th -12th December 2017– reg

1. Advance amount taken from the college..... 21,500/-

EXPENSES – paid by the department of CSE

1. Remuneration to the Resource person (Dr. Shashidhar Koolagudi, NITK) 21,000 /-
2. TA to the Resource persons..... 2,000/-
3. Mineral water & Juices to the Resource person..... 180/-

Total expenses towards FDP.....Rs. 23,180/-

Balance Rs. 1680/-


Coordinator


PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

1. Name of the event : FDP on Design and Analysis of Algorithms (~~12th, 13th & 14th August~~ **10th to 12th, Dec, 2017**)
2. Dept. organizing the event : CSE
3. Coordinator : Prof. Harish Kunder

Detailed Budget:

Sl. No.	Particulars	Party	Amount
1	Printing & Stationary		
2	Honorarium (With details of guest & payment)	Dr. Shashidar Koolagudi, Professor, NITK, Surathkal and Team	7,000x 3 days = 21,000-00
3	Banners & Flex		
4	Awards & Prizes		
5	Accommodation		
6	Transportation & Others	College Vehicle	
7	Food & Refreshment		500-00
8	Pedals & Shamiyana		
9	Speakers & Audio system		
10	Miscellaneous Expenses		
		Total	21,500-00

Prepared by:

Coordinator:

Managing Trustee

Verified by:

Asst. Finance Officer:

Principal

Submitted the Budget to finance office on

, 2017 through the Finance Section of AIET.

FEEDBACK ANALYSIS

FDP: *Design & Analysis of Algorithms.*

Resource Person: Dr. Shashidhar Koolgudi, NITK Surathkal.

Date: 10th to 12th Dec 2017

TOTAL FEEDBACK FORMS RECEIVED: 20

TOTAL NUMBER OF QUESTIONS: 07

Q. Number	Option 1 NOT AT ALL	Option 2 SOME WHAT	Option 3 VERY MUCH
All Questions	00	1	139
AVG	00/140= 00%	1/140=0.07 %	139/140= 99.28%

Out of 20 students 99.28 % of students given very good feedback, the 0.07% had given moderate feedback.



Signature of the Coordinator



Signature of the HOD, CSE
Dept. Of Computer Science & Engineering
Alva's Institute of Engg & Tech
Mijar, MOODBIDRI

Alva's Institute of Engineering & Technology, Moodbidri
Department of Computer Science & Engineering

Feed Back Form

Certification Course Name: FDP on Algorithms
Date of course: 10 Dec 2017-12 Dec 2017
Organization providing training: Dr. Shashidhar Koolgudi, NITK Surathkal.

Instructions to Participant:

Thank you for participating in this Faculty Development Program. In this feedback form, there are no WRONG or RIGHT answers. You do not need to put your name on this form – your responses are anonymous. Please respond to ALL the questions below to help us to improve the curriculum, training materials, and the conduct of the training.

WORKSHOP CONTENT (Circle your response to each item.)

1=strongly disagree 2=Disagree 3=neither agree nor disagree 4=Agree 5=strongly agree,
N/A=Not applicable

1. I was well informed about the objectives of this workshop. 1 2 3 4 5 N/A

2. This workshop lived up to my expectations. 1 2 3 4 5 N/A

WORKSHOP DESIGN (Circle your response to each item.)

3. The workshop objectives were clear to me. 1 2 3 4 5 N/A

4. The workshop activities stimulated my learning. 1 2 3 4 5 N/A

5. The activities in this workshop gave me sufficient practice and feedback. 1 2 3 4 5 N/A

WORKSHOP FACILITATOR (Circle your response to each item.)

6. The instructor was well prepared. 1 2 3 4 5 N/A

7. The instructor was helpful. 1 2 3 4 5 N/A

SELF-PACED DELIVERY (Circle your response to each item.)

8. How would you improve this workshop? (Check all that apply.)

- Provide better information before the workshop.
- Clarify the workshop objectives.
- Reduce the content covered in the workshop.
- ☒ ➤ Increase the content covered in the workshop.
- Update the content covered in the workshop.
- Improve the Instructional methods.
- Make workshop activities more stimulating.
- Improve workshop organization.

170 270 377



ALVA'S EDUCATION FOUNDATION (R.)

DAA

MOODBIDRI - 574 227, D.K.

DEBIT / CREDIT VOUCHER

Date 12-12-17

Sl.No.	Particulars	College Code	Debit (₹)	Credit (₹)
a	Remuneration	AL	21,000=00	
b	Travels Exp	AL	2,000=00	
c				
d				
e				
PAYABLE / RECEIVABLE			23,000=00	
TOTAL			23,000=00	

Rupees Twenty three thousand only
 Narration Dr. Shashidhar Kookgudi
 Professor N. TK Sulastika

Prepared by

Principal

A.O.

Authorised by

Receiver's / Remitter's Signature

Alva's Institute of Engg. & Technology,
 Mijar, MOODBIDRI - 574 225, D.K.

Dept. of Computer Science & Engineering
 Alva's Institute of Engg. & Technology
 Mijar, MOODBIDRI - 574 225, D.K.



Report on 3 Days FDP on Algorithms

Department of CSE organized a 3 days Faculty Development Programme on "Algorithms" from 10th to 12th December, 2017. The FDP was inaugurated by Dr. Shashidhar Koolgudi, Department of CSE, NITK, Surathkal and Dr. Manjunath Kotari on 10th Dec, 2017. The objective of the FDP was to train and develop professionals in their area, so that, they can act as 'Resource Persons' in guiding and motivating young students provide insight about Algorithms. FDP is mainly to equip the participants with requisite skills, knowledge and competencies for effective analysis of the subject. This FDP was arranged only to internal faculty members to empower teachers to overcome hurdles and motivate student towards Quality education.



The following are the topics discussed during First day of the FDP which includes, Introduction, Performance Analysis, Asymptotic notations, Important



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Problem Types, Fundamental Data structures, Divide and conquer method, Decrease and Conquer approach.

On second day, Greedy method, Minimum cost spanning Tree, Single source shortest paths, Optimal Tree problem, Transform and Conquer Approach, Dynamic Programming and Transitive closure topics were explained by resource person.

On last day, Dynamic Programming, All Pairs Shortest Paths, Backtracking, Branch and Bound, 0/1 Knapsack problem, NP - Complete and NP- Hard Problems were discussed.

Dr. Bhashidhar Koolagudi, Professor, NITK Surathkal was the resource person and about 15 faculty members of CSE department were attended this FDP.