



Estd : 2008

METHODIST

COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE New Delhi | Affiliated to Osmania University, Hyderabad

Abids, Hyderabad, Telangana, 500001

Number of Certificate/diploma program introduced during last five years					
TIMELINE:2014-15 TO 2018-19					
DEPARTMENTS	2018-19	2017-18	2016-17	2015-16	2014-15
CIVIL	1	1	0	0	0
CSE	2	0	0	0	0
ECE	2	3	1	0	2
EEE	1	1	1	1	1
MECH(UG)	0	0	1	0	0
MECH(PG)-CAD CAM	0	0	0	1	0
MBA	0	0	0	0	0
CERTIFICATE PROGRAMS INTRODUCED YEARWISE	6	5	3	2	3
CERTIFICATE PROGRAMS INTRODUCED OVER LAST 5 YRS					19

SUMMARY

- Total no. of certificate programs organized over past 5 years under 5- Engineering programs & MBA are summarised in above table
- These programs are conducted for 5 -6 days @ 6-7 hours per day, spread across 1-2 weeks/ months in a semester
- The Resource persons are drawn either from reputed training center/industry/ in-house expertise
- A significant improvement in the total number of courses from year to year is observed
- The Eventwise 1). schedule & syllabus, 2). Sample participation certificate, 3). Participants list are herewith attached

NOTE

Date: 22.12.15

Submitted to the Principal

Respected Sir

It is proposed to organize one week short term Training program from 02.01.2016 to 07.01.2016 on "Advanced Applications of Finite Element Techniques" by the department of mechanical engineering.

Finite Element Analysis (FEA) has become an important tool that is used by the mechanical engineers to develop simulations and find solutions to problems faced to the existing practical problems. Further it is a regular subject for the M.E. (CAD / CAM) students. Hence it is proposed to organize an event which will also be beneficial for the institution as an event conducted by the department for NAAC / NBA.

The participants for the program are all P.G students, faculty in mechanical engineering and industry people. The resource persons are professors from Osmania and JNTU universities.

The approximate cost of the event is Rs.50,000.00. Expecting amount from the participants is approximately Rs. 20,000.00 to Rs. 30,000.00.

Hence request you to approve and sanction the necessary amount for conduct of the program.

Thanking You,


HOD-Mechanical
H.O.D.
Mechanical Engineering Department
Methodist College of Engg & Tech
Klng Koti, Hyderabad-500 001.

Dated 19-08-2015

Proposal

Submitted to The Principal

Methodist College of Engineering & Technology
Abids. Hyderabad.

From:

Dr.D. Ramana Reddy
Associate Professor & Coordinator

Through:

Dr. A. Rajasekhar
Professor & Head of Mech. Dept.

Subject: Proposal for a one-week short term training program on **advanced applications of finite element techniques**

Sir,

Mechanical department is planning to organised a one-week short term training program on **advanced applications of finite element techniques** in the month of January 2016. Person from industry, research & academic will be the participants, which will help them to gain knowledge and hands on experimentation from expertise in this field.

Registration fee is tentatively Rs.500/- per participant. Participants are limited to 25.

Lecture session will be conducted in seminar hall and practical/training session will be conducted in CAD/CAM lab.

Budget will be approximately Rs. 15,000/-. This may include subject experts, tea and snacks for forenoon and afternoon session and welcome kit, transportation & participation certificate. Request for an early approval so as to initiate programming and schedule for workshop.

Regards,
Coordinator

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 Programme and shall attend the Programme for the entire duration. I also undertake the responsibility to inform the convener, in case I am unable to attend the Programme.

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Dr/Mr/Ms. _____
is an employee of our Institute/Organization and is hereby sponsored to participate in the STTP Programme on "Advanced Applications of Finite Element Techniques" during 02-07 January, 2016 conducted by Department of Mechanical Engineering, Methodist College of Engineering and Technology, Abids, Hyderabad 500 001.

Place:

Date:

Signature of Head of Institution

(With seal)

IMPORTANT DATES

Last Date for Registration : 30-12-2015

REGISTRATION FEE

- The Registration fee for Faculty/Research scholars is Rs. 500
- The registration fee includes program Kit, Course Material in soft copy, Lunch, and Snacks
- Selection is based on first come first serve basis.
- Participation Certificates will be provided to each participant.

ADVISORY COMMITTEE

Chief Patrons

Sri. K.Krishna Rao - Secretary , MCET

Patrons

Dr S.Venkateswar Director, MCET

Dr V S Giridhar Akula, Principal, MCET

Convener

Dr A. Rajasekhar HOD, Mech.Engg

Co-ordinator

Dr. D.Ramana Reddy Professor

Organizing Committee

Dr P.Shailesh

Dr U.S Vara Prasad

Md.Fakhruddin H.N

Mr.R.V Prasad

Mr P.Ravi chander

Mr R Venkata Rami Reddy

Mr YMM Reddy

Mr Srinivas Raghavan

Mrs. G. Swetha

Mr Ramakrishna

Mr. Prabhakar

Mr M.Prasad

Mr Satya Ramesh Reddy

Mr Anoop Joshi

Mrs Pravallika

Mrs Anusha

COMMUNICATION ADDRESS

Dr D.Ramana Reddy
Professor

METHODIST
College of Engineering & Technology

(Affiliated to Osmania University)
Abids , Hyderabad

Mobile: 9177200699 | Email: ramana4u.iitm@gmail.com



METHODIST
College of Engineering and Technology

A One week
Short Term Training Program
on
"Advanced Applications of Finite
Element Techniques"
(An innovative approach for solving engineering problems)
(02-07 January, 2016)

Organized By
DEPARTMENT OF MECHANICAL ENGINEERING

METHODIST
College of Engineering and Technology
(Affiliated to Osmania University)
Abids , Hyderabad
www.methodist.edu.in

ABOUT THE INSTITUTE

Established in the year 2008 in a sprawling campus of erstwhile Methodist school and college, situated in the heart of the Hyderabad city with the sole purpose of offering the Engineering Education to the students of all living standards. Methodist College of engineering and technology represents a rich tradition of excellence in technology based education in stimulating environment.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department was established in the academic year 2009-2010. The Department offering B.E course with an intake of 120 Students and Master's Degree with specialization of CAD/CAM. It has excellent infrastructure facilities in the form of laboratories and equipment. The Department has well qualified and experienced faculty from academics and industry. Its innovative practices and infrastructure excellence are a matter of pride. We are sure that, our institute will provide a platform for student community to deliberate on the technologies and trends which in turn pose a challenge to the present society and forcing them to equip with latest technologies in the process of their ambitions comes into reality. The faculty motivates students to take up innovative projects through in-house R & D Projects. Within a short span, we received university gold medal for our student.

COURSE OVERVIEW

Finite Element Analysis or FEA analysis has become an important mathematical tool that is used by engineers to develop simulations that approximate real life. Engineers take the tools and technologies developed by mathematicians and scientists to solve real life concrete problems.

It is recognized by developers and users as one of the most powerful numerical analysis tools ever devised to analyze complex engineering problems. While the math to simulate and predict engineering solutions in the real world become more complex and difficult, Engineers are continuously pressed to develop solutions to problems that are better than and sooner than the competition. In the view of importance, the program is designed to deliver the application of FEA in order to ignite the minds of young researchers.

COURSE CONTENT

- Fundamental basis of Finite Element.
- Overview of problem formulation
- 2-D analysis of various machine components
- Finite element formulation of three dimensional problems in stress analysis.
- An approach to solve non-linear problems

ELIGIBILITY

- Faculty Members from Engineering/PG Colleges.
- research scholars from institute
- people From Industry

RESOURCE PERSONS

Invited talks are given by experts from reputed academic institutes and research organizations on Advanced Applications of Finite Element Techniques and related issues.



A One week Short Term Training Program on

"Advanced Applications of Finite Element Techniques"

(An innovative approach for solving engineering problems)
(02-07 January, 2016)

Registration Form

1. Name : _____
2. Designation : _____
3. Applicant's Status: Faculty /Technical staff/ Industry person
4. Institution : _____
5. Whether the institution has AICTE Recognition: (Yes/No)
6. Educational Qualifications: _____
7. Subjects Handled for last three years _____
8. Experience: _____ Years
Teaching : _____
Research : _____
Industry : _____
9. D.D.Particulars:
10. Amount in Rs: _____ DD No: _____ Bank Name: _____
11. Any other information
12. Address for Correspondence with Email id:

Signature of the applicant



**METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING**

**A One week STTP on
“Advanced Applications of Finite Element Techniques”
(An innovative approach for solving engineering problems)**

(02-07 January, 2016)

PROGRAM SCHEDULE

Date /Day	Session	Time	Activity / Topic	Speakers
02/01/2016 (Saturday)		10:00 -10:45	INAUGURATION	
	Session 1	11:00 – 13:00	Fundamentals of finite element modeling- bar element	Dr P.Ramesh Babu , Professor, Mech Engg, OU
	Session 2	14:00 – 16:00	One dimensional modeling - truss elements	Dr P.Ramesh Babu , Professor, Mech Engg, OU
03/01/2016 (Sunday)	Session 3	09:30 – 11:00	Dynamic analysis	Mr MCS Reddy, Assoc. Professor, Mech Engg, OU
	Session 4	11:15 – 13:00	Two dimensional modeling- Triangular and Quadratic	Dr A.V.S.S.K.S. Gupta Professor, Mech Engg, COE, JNTUH
	Session 5	14:00 – 16:00	Three dimensional modeling	Dr P.Ramesh Babu , Professor, Mech Engg, OU
04/01/2016 (Monday)	Session 6	09:30 – 11:00	Application of FEM to Dynamic analysis	Mr MCS Reddy, Assoc. Professor, Mech Engg, OU
	Session 7	11:15 – 13:00	Three dimensional Axisymmetric modeling	Dr P.Ramesh Babu , Professor, Mech Engg, OU
	Session 8	14:00 – 16:00	Three dimensional Axisymmetric modeling – Practice Session	Dr P.Ramesh Babu , Professor, Mech Engg, OU
05/01/2016 (Tuesday)	Session 9	09:30 – 11:00	Analysis of Beams	Dr M.S.N Gupta Professor & HOD Aeronautics, MLRIT, Hyd
	Session 10	11:15 – 13:00	Application of FEM in Thermal Analysis	Dr A.V.S.S.K.S. Gupta Professor, Mech Engg, COE, JNTUH
	Session 11	14:00 – 16:00	Application of FEM in Thermal Analysis- Practice Session	Dr A.V.S.S.K.S. Gupta Professor, Mech Engg, COE, JNTUH
06/01/2016 (Wednesday)	Session 12	10: 00 – 13:00	Overview of FEA Tools	Mr P.Ramesh, VR Best Software Solutions, HYD
	Session 13	14:00 – 16:00	ANSYS Training	Mr P.Ramesh, VR Best Software Solutions, HYD
07/01/2016 (Thursday)	Session 14	10: 00 – 13:00	A Case Study – application of FEA in modeling of welding Process	Dr M.S.N Gupta Professor & HOD Aeronautics, MLRIT, Hyd
	Session 15	14:00 – 15:00	VALEDICTORY	

Program Coordinator
Dr D.Ramana Reddy –Professor/Mech

Convenor
Dr A.Rajasekhar, HOD/Mech

METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATION PROGRAMME ON ADVANCED APPLICATIONS IN FET 02/01/16 TO 07/01/16

S.NO	Roll Number	Name	Signature
1	160714765001	TALLA MADHU	<i>T. Madhu</i>
2	160714765002	N MANOJ KUMAR	<i>Manoj</i>
3	160714765003	YERUKALA VENKATESWARLU	<i>Venk</i>
4	160714765005	RAMAGIRI PRERNA	<i>Prerna</i>
5	160714765006	KAUSAR FATIMA	<i>Kausar Fatima</i>
6	160714765008	GOWLIKAR HEMANTH KUMAR	<i>Hemant Kumar</i>
7	160714765009	PANDIRI VEERA SEKHARA REDDY	<i>V.S. Reddy</i>
8	160714765010	MOHD VIQARUDDIN	<i>Viqar</i>
9	160714765011	GURRAM VENKATA RAVI TEJA	<i>Ravi Teja</i>
10	160714765013	ANNAM RAKESH	<i>Rakesh</i>
11	160714765014	DINESH KUMAR	<i>Dinesh</i>
12	160714765015	ISHRATH ZAMANI NESHA	<i>Nesha</i>
13	160714765016	DODDI J SANTOSH KIRAN	<i>Santosh</i>
14	160715765001	MOHD SALMAN AHMED SIDDIQUI	<i>Salman</i>
15	160715765002	MIDIDODDI RAKESH	<i>Rakesh</i>
16	160715765003	A SHARATH KUMAR	<i>Sharath</i>
17	160715765005	MD JABEEN	<i>Jabeen</i>
18	160715765006	GOPIRAJU RAJU	<i>Raju</i>
19	160715765007	SHABNAM KAUSER	<i>Shabnam</i>
20	160715765008	B KRISHNA RAO	<i>B. Krishna Rao</i>
21	160715765009	GANJI SWEEYA SHARVANI	<i>Sharvani</i>
22	160715765010	RAMAKRISHA SAMUDRALA	<i>Ramakrishna</i>
23	160715765011	DALLI SARAVANI	<i>D. Sarvani</i>
24	160715765012	SRINIVAS K	<i>Srinivas</i>
25	160715765014	JALA HARIKA	<i>Harika</i>

METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to O.U. & Approved by AICTE)

King Koti Road, Abids, Hyderabad – 500 001, Telangana, INDIA



Certificate of Participation

Certified that Mr/Ms Dinesh Kumar Bearing R.No: 160714765014
of I Semester Mech Engg Branch, Participated in Certification Courses
on Advanced Applications in F.E.T during 02/01/2016 to 07/01/2016
in Collaboration with Osmania University.

A handwritten signature in blue ink, appearing to read 'Lau'.

Director

A handwritten signature in blue ink, appearing to read 'Dinesh'.

HoD

A handwritten signature in green ink, appearing to read 'Srinivas'.

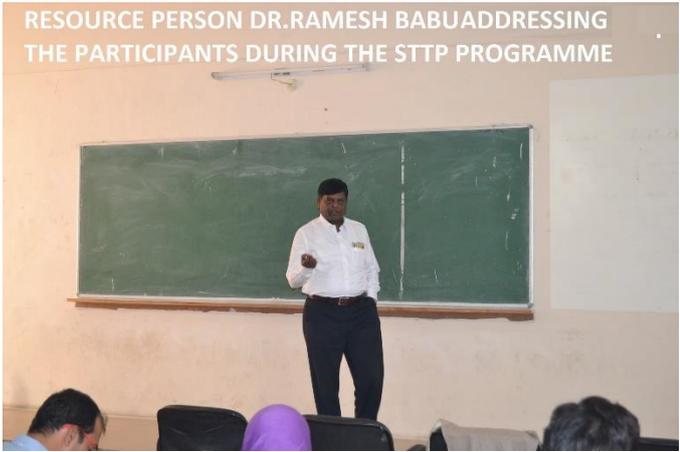
Principal



DR. S VENKATESHWAR(DIRECTOR) ADDRESSING IN THE INAUGURAL FUNCTION OF ONE WEEK STTP ON "ADVANCED APPLICATIONS OF FINITE ELEMENT TECHNIQUES" ON 02-07 JANUARY, 2017



DR. A. RAJASEKHAR (HOD-MECH. ENGG) ADDRESSING THE GATHERING AT STTP ON "ADVANCED APPLICATIONS OF FINITE ELEMENT TECHNIQUES" ON 02-07 JAN, 2016.



RESOURCE PERSON DR.RAMESH BABU ADDRESSING THE PARTICIPANTS DURING THE STTP PROGRAMME

