

### FACULTY FEEDBACK ON CURRICULUM

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, teaching, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2014-15
Branch	MECHANICAL ENGINEERING
Name of the Faculty	RAMKUMAR.M
Designation	ASST. PROFESSOR-G3
Subject/Sub. code	OPERATIONS MANAGEMENT / IOMEB1

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	Do you feel that the curriculum is defined in a way to clarify your teaching goals and what you expect your students to learn?	✓				
2	Is the curriculum sufficient to bridge the gap between industry standards /current global scenarios and academics?	✓				
3	Is the timely coverage of curriculum possible in the mentioned number of hours?	✓				
4	Sufficient reference material and books are available for the topics mentioned in the curriculum?	✓				
5	The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment?	✓				
6	Curriculum is suitable to the course	✓				
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area		✓			

Suggestions:

*Practical knowledge of solving engg problems*

Signature:

*[Handwritten Signature]*

Principal  
 Sapthagiri College of Engineering  
 Chikkasandra, Hesaraghatta Road,  
 Bangalore-560 057



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Academic Year	2014-15
Branch	ME
Name of the Faculty	Mahesh. A. M
Designation	Associate. Professor
Subject/Sub. code	Turbomachinery / IOMES 6

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	Do you feel that the curriculum is defined in a way to clarify your teaching goals and what you expect your students to learn?	✓				
2	Is the curriculum sufficient to bridge the gap between industry standards /current global scenarios and academics?		✓			
3	Is the timely coverage of curriculum possible in the mentioned number of hours?	✓				
4	Sufficient reference material and books are available for the topics mentioned in the curriculum?			✓		
5	The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment?	✓				
6	Curriculum is suitable to the course					
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area	✓				

Suggestions: More. Laboratory Skills required

Signature \_\_\_\_\_

Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road,  
Bangalore-560 017



### STUDENTS FEEDBACK ON CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2014
Branch	Mechanical
Name of the Student	Nikhil Gowda
USN	15G12ME036

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?	✓				
2	How do you rate the allocation of the credits to the courses?		✓			
3	Relevance for implementation in projects	✓				
4	How do you rate the electives offered in relation to the technological advancements?		✓			
5	How do rate the evaluation scheme designed for each of the course?	✓				
6	How do you rate the percentage of courses having LAB components?			✓		
7	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	✓				

Suggestions: Job oriented courses required.

Signature

  
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### STUDENTS FEEDBACK ON CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2014
Branch	Mechanical
Name of the Student	Gagan S.
USN	15G12ME09

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?	✓				
2	How do you rate the allocation of the credits to the courses?		✓			
3	Relevance for implementation in projects			✓		
4	How do you rate the electives offered in relation to the technological advancements?	✓				
5	How do rate the evaluation scheme designed for each of the course?	✓				
6	How do you rate the percentage of courses having LAB components?		✓			
7	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	✓				

Suggestions: Practical knowledge on solution of problems required

*[Signature]*  
Signature

*[Signature]*  
Principal  
 Sapthagiri College of Engineering  
 Chikkasandra, Hesaraghatta Road,  
 Bangalore-560 057



### ALUMNI FEEDBACK ON CURRICULUM

We are glad that you have spent valuable years pursuing courses of your choice at SCE. We shall be thankful if you can spare some of your valuable time to fill up this feedback form and give us valuable suggestions for further improvement of the College. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of our Institution. Rate the adequacy of following as they were during your tenure as a student

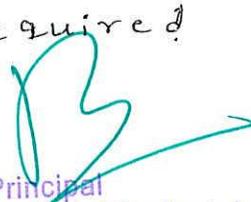
Year of Passing	2014
Branch	MECHANICAL
Name	GOPAL KRISHNA K.S
Status : Work/Study	WORK
Phone no	

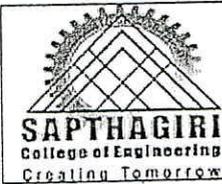
Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	When you compare yourself with other counterparts from other Institution, you feel that you got most of all the facilities which is not available in other Institution	✓				
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities or broadening perspectives)		✓			
3	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	✓				
4	How do you rate the learning experience in terms of their relevance to the real life application			✓		
5	Ability to work in teams	✓				
6	Ability to link theory to practice		✓			
7	How do you rate the course/curriculum content that you have learnt in relation to your current job	✓				
8	Compatibility with industry standards		✓			

Suggestions: Analysis Skills required

*Gopal Krishna K.S*  
Signature

  
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### ALUMNI FEEDBACK ON CURRICULUM

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Year of Passing	2014
Branch	MECHANICAL
Name	KIRAN KUMAR K.S.
Status : Work/Study	WORK
Phone no	

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	When you compare yourself with other counterparts from other Institution, you feel that you got most of all the facilities which is not available in other Institution	✓				
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities or broadening perspectives)		✓			
3	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	✓				
4	How do you rate the learning experience in terms of their relevance to the real life application			✓		
5	Ability to work in teams	✓				
6	Ability to link theory to practice		✓			
7	How do you rate the course/curriculum content that you have learnt in relation to your current job	✓				
8	Compatibility with industry standards		✓			

Suggestions: More Industry related topic should be included

Signature

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**Sapthagiri College of Engineering**  
(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi)

### EMPLOYERS FEEDBACK ON CURRICULUM

Dear Employer,

Graduates of various Department / College / Institution are already working in your organization. We are thankful to you for providing them employment with your prestigious Company/Organization. We shall very much appreciate and be grateful to you if you can spare some of your valuable time to fill up this feedback form. It will help us to improve the Institution further and give you better employees in future.

Name of the Employer	Ranjan J
Position	Senior Engineer
Company/Organization	Autosimul

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	Ability to contribute to the goal of the organization	✓				
2	Is our curriculum compatible with the industry standards		✓			
3	Is the curriculum sufficient to enable student analyze a given problem and identify the necessary solutions		✓			
4	Creative in response to work place challenges	✓				
5	Ability and motivation for social activity			✓		
6	Technical knowledge/skill		✓			
7	Overall impression about their performance	✓				

Comments: More practical skills required

Signature  
Ranjan J



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Bangalore- 560 057



### EMPLOYERS FEEDBACK ON CURRICULUM

Dear Employer,

Graduates of various Department / College / Institution are already working in your organization. We are thankful to you for providing them employment with your prestigious Company/Organization. We shall very much appreciate and be grateful to you if you can spare some of your valuable time to fill up this feedback form. It will help us to improve the Institution further and give you better employees in future.

Name of the Employer	P. Sarnad
Position	Proprietor
Company/Organization	Siddhant Technologies

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	Ability to contribute to the goal of the organization	✓				
2	Is our curriculum compatible with the industry standards	✓				
3	Is the curriculum sufficient to enable student analyze a given problem and identify the necessary solutions		✓			
4	Creative in response to work place challenges	✓				
5	Ability and motivation for social activity	✓				
6	Technical knowledge/skill	✓				
7	Overall impression about their performance		✓			

Comments:

Rate:

Signature

For Siddhant Technologies

  
Proprietor

  
Principal  
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Chikkasandra, Hesaraghatta Road  
Bangalore- 560 057



# Sapthagiri College of Engineering

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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

## DEPARTMENT OF MECHNAICAL ENGINEERING

Date: 25/05/2015

### CIRCULAR

This is to inform that there will be a meeting of Academic committee members for analyzing curriculum syllabus of academic year 2014-15. The meeting is scheduled on 26/05/2015 at 11.00 am in HOD's chamber.

SI No.	Faculty Name	Designation	Signature
1	Prof. Ramkumar M	Assistant Professor	
2	Prof. Ramesh. N G	Assistant Professor	
3	Prof. Madhu kumar Y C	Assistant Professor	
4	Prof. Arun Kumar R	Assistant Professor	

Principal  
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Bangalore-560 057.

H.O.D. Dept. of Mech. Engg  
S.C.E., Bangalore-560 057



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## DEPARTMENT OF MECHNAICAL ENGINEERING

Date: 26/05/2015

### MINUTES OF MEETING

With reference to circular dated on 25/05/2015, the academic committee member assembled in HOD's chamber for addressing the following agenda.

#### Agenda:

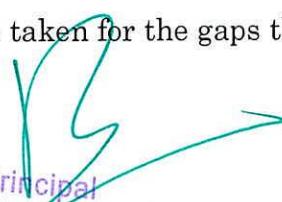
- Reviewing the department curriculum syllabus of Academic Year 2015-16
- Reviewing the feedback analysis of various stake holders for the Academic Year 2014-15
- Identifying the gaps
- Action to be taken for the identified gaps.

During the meeting the following members were present

Sl No.	Faculty Name	Designation
1	Prof. Ramkumar M	Assistant Professor
2	Prof. Ramesh. N G	Assistant Professor
3	Prof. Madhu kumar Y C	Assistant Professor
4	Prof. Arun Kumar R	Assistant Professor

The following points were discussed in the meeting

1. The committee members reviewed the analysis of department curriculum syllabus.
2. The committee members discussed about the feedback of department curriculum syllabus.
3. The members identified the gaps based on the analysis.
4. The following actions were taken for the gaps that are identified.

  
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# Sapthagiri College of Engineering

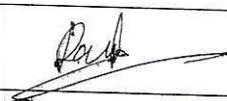
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## DEPARTMENT OF MECHNAICAL ENGINEERING

SL.NO	SEM	Course Title	Identified Gap
1	5 <sup>th</sup> and 7 <sup>th</sup> Semester	Finite Element Analysis	Skills of Solving Engineering problems by using Finite element Analysis software

### Action Taken:

Based on the feedback obtained from Students, Faculties and Alumni and analysis of syllabus by department academic committee members, it was decided to conduct certification course on "Finite element Analysis" to overcome the gaps identified in the curriculum/syllabus.

Sl No.	Faculty Name	Designation	Signature
1	Prof. Ramkumar M	Assistant Professor	
2	Prof. Ramesh. N G	Assistant Professor	
3	Prof. Madhu kumar Y C	Assistant Professor	
4	Prof. Arun Kumar R	Assistant Professor	

**Principal**

**Sapthagiri College of Engineering**  
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Bangalore-560 057

  
HOD

H.O.D. Dept. of Mech. Engg  
S.C.E., Bangalore-560 057



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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

## DEPARTMENT OF MECHNAICAL ENGINEERING

Date: 28/05/2015

To

IQAC Coordinator  
Sapthagiri College of Engineering  
Bengaluru-560 057

Respected sir/madam,

Subject: Requisition for conduction of certification course and approval from Governing Council.

With respect to the Academic committee members meeting was held for analyzing department curriculum/syllabus for the academic year 2014-15. The committee members identified few gaps after analyzing the syllabus and feedback from the stakeholders. To bridge the gaps identified in the curriculum, the committee members decided to conduct a certification course on Finite element Analysis from 27-Jul-2015 to 31-Jul-2015 for the academic year 2015-16. So, I request you to forward and get the approval from the governing council for the same.

Thanking You,

*Forwarded for the  
G.C approval and  
certification*

*[Signature]*  
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road  
Bangalore-560 057

*[Signature]*  
H.O.D.  
H.O.D. Dept. of Mech. Engrg  
S.C.E., Bangalore-560 057



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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

## DEPARTMENT OF MECHNAICAL ENGINEERING

Date: 10-07-2015

To,

IQAC Coordinator  
Sapthagiri College of Engineering  
Bangalore - 560057.

Respected Sir,

Subject: Budget Proposal for conduction of certification program on  
"Finite Element Analysis".

The Budget Proposal for conduction a certification program on Finite Element Analysis from 27-Jul-2015 to 31-Jul-2015 is here by enclosed for your kind consideration and approval.

The details of the Recurring budget are given as follows:

Recurring Amount:

Sl. No.	Description	Quantity	Amount in Rs.
1	Bouquet	1	200
2	Certificates	139	1500
3	others	1	1000
Total			2700

*Forwarded for  
the IQAC approval  
& satisfaction*

Principal

Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road  
Bangalore-560 057

*[Signature]*  
HOD  
H.O.D. Dept. of Mech. Engg  
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

## DEPARTMENT OF MECHNAICAL ENGINEERING

Date: 14-07-2015

### CIRCULAR

This is to inform that the following Academic Committee members are requested to attend the meeting on 15/07/2015 at 10.30 am in the HODs chamber to decide the syllabus and the lesson plan for the certification program on "Finite Element Analysis".

SI No.	Faculty Name	Designation	Signature
1	Prof. Ramkumar M	Assistant Professor	
2	Prof. Ramesh. N G	Assistant Professor	
3	Prof. Madhu kumar Y C	Assistant Professor	
4	Prof. Arun Kumar R	Assistant Professor	

  
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Bangalore-560 057

  
HOD  
H.O.D. Dept. of Mech. Engg  
S.C.E., Bangalore-560 057



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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

## DEPARTMENT OF MECHNAICAL ENGINEERING

Date:14-07-2015

To,

Prof. Tulsidas  
Assistant Professor  
VKIT, Bengaluru

Respected Sir,

Subject: Invitation as a "Guest Speaker" in certification program and  
to attend meeting to discuss about the certification program

Department of Mechanical Engineering has planned to conduct a certification program titled "Finite Element Analysis" for 7<sup>th</sup> and 5<sup>th</sup> semester students from 27-07-2015 to 31-07-2015. In this connection, we are privileged to invite you as a guest speaker on the above mentioned topic.

We request you to attend the meeting to discuss about the conduction of certification course on 15/07/2015 at 10.30 am in Mechanical HODs Chamber. We look forward to welcome you at SCE.

Thanking you

  
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road  
Bangalore- 560 057

Yours faithfully

  
HOD



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## DEPARTMENT OF MECHANICAL ENGINEERING

### Minutes of Meeting

A meeting was conducted on 15-Jul-2015 in Mechanical HODs Chamber to discuss and approve the following about the 5 days Certification Course for 5<sup>th</sup> and 7<sup>th</sup> semester ME Students.

- **Course Title :** Finite Element Analysis
- **Program Coordinator :** Prof. Ramkumar M
- **Resource Person:** Prof. Tulsidas , VKIT, Bengaluru
- **Course Duration & Date:** 5 Days from 27-Jul-2015 to 31-Jul-2015
- **Syllabus** : Finite element analysis of bar, beam, truss, 2D and 3D problems.

Lesson Plan of the certification program

Dates	SESSION 1 (9.00 am-12.00 pm)	SESSION 2 (1.00 pm- 4.00 pm)	No. of Hours
27-7-2015 Monday	Introduction to Finite Element Analysis	Analysis of bar Problems	6
28-7-2015 Tuesday	Analysis of beam Problems	Analysis of truss Problems	6
29-7-2015 Wednesday	Analysis of 2D Structural Problems	Analysis of 3D Structural Problems	6
30-7-2015 Thursday	Analysis of 2D & 3D thermal Problems	Analysis of 2D & 3D Dynamic Problems	6
31-7-2015 Friday	Analysis of 2D & 3D Fluid Flow Problems	Test & Valedictory function	6

  
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## DEPARTMENT OF MECHNAICAL ENGINEERING

The following members were present in the meeting and the syllabus and lesson plan for the certification program has been decided.

Sl No.	Faculty Name	Designation	Signature
1	Prof. Ramkumar M	Assistant Professor	
2	Prof. Ramesh. N G	Assistant Professor	
3	Prof. Madhu kumar Y C	Assistant Professor	
4	Prof. Arun Kumar R	Assistant Professor	
5	Prof. Tulsidas	Guest Speaker	

  
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DEPARTMENT OF MECHNAICAL ENGINEERING

Date: 16/07/2015

## NOTICE

As a part of programming skill development, Department of Mechanical Engineering is conducting five days Certification Course on “Finite Element Analysis” from 27-July-2015 to 31-July-2015 for 5<sup>th</sup> and 7<sup>th</sup> Semester mechanical students. The Students enroll your names with Mr. Ramkumar. M

  
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

*Department of Mechanical Engineering*

## Five Days Certification Program On “Finite Element Analysis”

### Students Enrollment

Sl.No.	USN	Student Name
1	1SG12ME001	ABHILASH V
2	1SG12ME002	ADITI JAHAGIRDAR
3	1SG12ME003	AMITH SINGH
4	1SG12ME004	ANKITH ANAND
5	1SG12ME005	ARUN KUMAR K
6	1SG12ME006	AZARODIN
7	1SG12ME007	BALAJI GOWDA T
8	1SG12ME008	BASAVARAJ D JOGOJE
9	1SG12ME009	BIKAS KUMAR
10	1SG12ME010	BITTU KUMAR SINGH
11	1SG12ME011	CHEETAN KUMAR H
12	1SG12ME012	CHETHAN KUMAR S
13	1SG12ME013	CHETHAN N
14	1SG12ME017	DEVI PRASAD
15	1SG12ME018	DARSHAN M.S
16	1SG12ME019	GAGAN G
17	1SG12ME020	GANGA SAGAR
18	1SG12ME021	GOWDA P B
19	1SG12ME027	KESHAVA BHARADWAJ K.S.
20	1SG12ME028	KIRAN K G
21	1SG12ME029	M C RAKESH
22	1SG12ME030	MANITH DHARVALA
23	1SG12ME031	MANOJ J
24	1SG12ME032	MOHAMED VASEEM AKRAM ANSARI
25	1SG12ME033	NAGANATH T
26	1SG12ME034	NATARAJ V.G.
27	1SG12ME035	NAVEEN BHAT P
28	1SG12ME036	NIKHIL GOWDA
29	1SG12ME038	NITEESH ANANT HEGDE
30	1SG12ME039	NITHISH R.M.

**Principal**

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31	1SG12ME043	RAJATH KUMAR.R
32	1SG12ME044	RAMACHANDRA NAIK A L
33	1SG12ME045	RANJITH A
34	1SG12ME046	RISHAV KUMAR
35	1SG12ME047	RITU RAJ
36	1SG12ME048	SAMEER AHAMED
37	1SG12ME049	SANKET MADEV NAIK
38	1SG12ME050	SANTHOSH KUMAR
39	1SG12ME051	SAURAV KUMAR
40	1SG12ME056	SUBRAMANI S.N.
41	1SG12ME057	SUNITH S SHENOY
42	1SG12ME058	SUPRADEEP RAO MS
43	1SG12ME059	SURAJ B
44	1SG12ME061	VIKRAM KUMAR SINGH
45	1SG12ME062	VISHWACHETHAN M V
46	1SG12ME063	VIVEK H
47	1SG13ME400	ARUN.S
48	1SG13ME402	CHETHAN G
49	1SG13ME403	HITESH PATIL S
50	1SG13ME404	JAYA RAJU B
51	1SG13ME405	NITISH K
52	1SG13ME406	KIRAN KUMAR GOWDA V.P
53	1SG13ME411	VINAY KUMAR R.S
54	1SG12ME067	ARUN KUMAR .K M
55	1SG11ME028	KALYAN CHAKRAVARTHI
56	1SG10ME034	RAKESH.V
57	1SG10ME056	VIVEK T
58	1SG10ME063	AKABARI RAHUL
59	1SG11ME018	GAURAV KUMAR
60	1SG13ME004	ABHISHEK S A
61	1SG13ME005	ABU BAKKAR SIDDIQ A S
62	1SG13ME007	AKHILA N R
63	1SG13ME008	AKSHYA L K KUMBLE
64	1SG13ME009	AKSHAY M P
65	1SG13ME010	AKSHAY J
66	1SG13ME011	ALAN ALEXANDER THOMAS
67	1SG13ME012	AMAR KUMAR
68	1SG13ME014	ANIL KUMAR N
69	1SG13ME016	ANKIT KUMAR

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70	1SG13ME017	ANKIT KUMAR RAI
71	1SG13ME018	ANUP
72	1SG13ME019	ANVESH SHUKLA
73	1SG13ME020	ARVIND MANDAL
74	1SG13ME021	ASAD AHMAD
75	1SG13ME022	BASAVARAJ
76	1SG13ME023	BELKUNI AKASH
77	1SG13ME024	BHARATH L
78	1SG13ME027	CHETAN RAO S
79	1SG13ME028	CHIRANTH.S.G
80	1SG13ME029	DARSHAN S B
81	1SG13ME030	DEEMANTHGOWDA T M
82	1SG13ME031	DEVRAJA S B
83	1SG13ME032	DHANUSH L
84	1SG13ME033	DHARMENDRA CHAUHAN
85	1SG13ME038	G.S SATISH
86	1SG13ME039	GANESH M
87	1SG13ME040	GIRISH V GOWDA
88	1SG13ME042	HARSHITH GOWDA M B
89	1SG13ME044	HEMANTH R
90	1SG13ME046	JEDSUN
91	1SG13ME047	JITEN S
92	1SG13ME048	K K GURU NAG
93	1SG13ME049	KARTHIK B R
94	1SG13ME050	KISHORE .H
95	1SG13ME051	KOMAL RAM C
96	1SG13ME052	KOUSHIKRAJ A R
97	1SG13ME053	KUMAR VAIBHAV
98	1SG13ME054	KUSHAL K
99	1SG13ME055	KUSHAL M
100	1SG13ME057	M MANJUNATH
101	1SG13ME058	MADHUSUDAN M
102	1SG13ME059	MADHU S
103	1SG13ME060	MANJUNATH K
104	1SG13ME066	MOHIT KUMAR
105	1SG13ME068	N V POORNABODHA RAO
106	1SG13ME069	NADEEM SARWAR
107	1SG13ME070	NAGABANDLA ROHIT
108	1SG13ME071	NAMITS NAKH

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109	1SG13ME072	NANDAN KUMAR YADAV
110	1SG13ME074	NAVEEN S PATIL
111	1SG13ME075	NAVEENA K B
112	1SG13ME084	PRASANTH R
113	1SG13ME085	PRASHANTH M
114	1SG13ME086	PRATIK GAURAV
115	1SG13ME087	PREMANTH P PEDNEKAR
116	1SG13ME088	PRINCE KUMAR
117	1SG13ME089	R DHARSHAN
118	1SG13ME090	RAHUL
119	1SG13ME091	RAHUL KUMAR
120	1SG13ME092	RAKESH HUNDARGI
121	1SG13ME093	RAVIKIRANA H R
122	1SG13ME094	RISHABH SOMAIAH KANNANDA
123	1SG13ME095	RITESH DHANOTIYA
124	1SG13ME096	ROHIT KUMAR SINGH
125	1SG13ME097	ROHITH K S
126	1SG13ME098	S V HARI
127	1SG13ME099	SANDEEP KUMAR P S
128	1SG13ME100	SANDEEP SINGH E
129	1SG13ME101	SANJAY KUMAR R
130	1SG13ME117	VAMSHI KRISHNA K
131	1SG13ME118	VASANTHRAJ S
132	1SG13ME119	VIDYA S
133	1SG13ME121	VINOD KUMAR G
134	1SG13ME122	VINOD RAJ P
135	1SG13ME124	VIVEK KITTALI
136	1SG13ME125	VISHWAS D R
137	1SG13ME126	SHASHIKANT KUMAR
138	1SG13ME128	SAURABH GUPTA
139	1SG13ME130	SUHAS S

  
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## Five days Certification Program on "Finite Element Analysis"

### Attendance

Sl No.	USN	Student Name	27/7		28/7		29/7		30/7		31/7		
			MS	AS									
1	1SG12ME00	ABHILASH V	1	2	3	4	5	6	7	8	9	10	
2	1SG12ME00	ADITI JAHAGIRDAR	1	2	3	4	5	6	7	8	9	10	
3	1SG12ME00	AMITH SINGH	1	2	3	4	5	6	7	8	9	10	
4	1SG12ME00	ANKITH ANAND	1	1	2	3	4	5	6	7	8	9	
5	1SG12ME00	ARUN KUMAR K	1	2	3	4	5	6	7	8	9	10	
6	1SG12ME00	AZARODIN	1	2	3	4	5	6	7	8	9	10	
7	1SG12ME00	BALAJI GOWDA T	1	2	3	4	5	6	7	8	9	10	
8	1SG12ME00	BASAVARAJ D JOGOJE	1	2	3	4	5	6	7	8	9	10	
9	1SG12ME00	BIKAS KUMAR	1	2	3	3	4	5	6	7	8	9	
10	1SG12ME01	BITTU KUMAR SINGH	1	2	3	4	5	6	7	8	9	10	
11	1SG12ME01	CHEETAN KUMAR H	1	2	3	4	5	6	7	8	9	10	
12	1SG12ME01	CHETHAN KUMAR S	1	2	3	4	5	6	7	8	9	10	
13	1SG12ME01	CHETHAN N	1	2	3	4	5	6	6	7	8	9	
14	1SG12ME01	DEVI PRASAD	1	2	3	4	5	6	7	8	9	10	
15	1SG12ME01	DARSHAN M.S	1	2	3	4	5	6	7	8	9	10	
16	1SG12ME01	GAGAN G	1	2	3	4	5	6	7	8	9	10	
17	1SG12ME02	GANGA SAGAR	1	2	3	4	5	6	7	8	9	10	
18	1SG12ME02	GOWDA P B	1	2	3	4	5	6	7	8	9	10	
19	1SG12ME02	KESHAVA	1	2	3	4	5	6	7	8	9	10	
20	1SG12ME02	KIRAN K G	1	2	3	4	5	6	7	8	9	10	
21	1SG12ME02	M C RAKESH	1	2	3	4	5	6	7	8	9	10	
22	1SG12ME03	MANITH DHARVALA	1	2	3	4	5	6	7	8	9	10	
23	1SG12ME03	MANOJ J	1	2	3	4	5	6	7	8	9	10	
24	1SG12ME03	MOHAMED VASEEM	1	2	3	3	4	5	6	6	7	8	
25	1SG12ME03	NAGANATH T	1	2	3	4	5	6	7	8	9	10	

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26	1SG12ME03	NATARAJ V.G.	1	2	3	4	5	6	7	8	9	10	
27	1SG12ME03	NAVEEN BHAT P	1	2	3	4	5	6	7	8	9	10	
28	1SG12ME03	NIKHIL GOWDA	1	2	3	4	5	6	7	8	9	10	
29	1SG12ME03	NITEESH ANANT	1	2	3	4	5	6	7	8	9	10	
30	1SG12ME03	NITHISH R.M.	1	2	2	3	4	5	6	7	8	9	
31	1SG12ME04	RAJATH KUMAR.R	1	2	3	4	5	6	7	8	9	10	
32	1SG12ME04	RAMACHANDRA NAIK	1	2	3	4	5	6	7	8	9	10	
33	1SG12ME04	RANJITH A	1	2	3	4	5	6	7	8	9	10	
34	1SG12ME04	RISHAV KUMAR	1	2	3	4	5	6	7	8	9	10	
35	1SG12ME04	RITU RAJ	1	2	3	4	5	6	7	8	9	10	
36	1SG12ME04	SAMEER AHAMED	1	2	3	3	4	5	6	7	7	8	
37	1SG12ME04	SANKET MADEV NAIK	1	2	3	4	5	6	7	8	9	10	
38	1SG12ME05	SANTHOSH KUMAR	1	2	3	4	5	6	7	8	9	10	
39	1SG12ME05	SAURAV KUMAR	1	2	3	4	5	6	7	8	9	10	
40	1SG12ME05	SUBRAMANI S.N.	1	2	3	4	5	6	7	8	9	10	
41	1SG12ME05	SUNITH S SHENOY	1	2	3	4	5	6	7	8	9	10	
42	1SG12ME05	SUPRADEEP RAO MS	1	2	3	4	5	6	7	8	9	10	
43	1SG12ME05	SURAJ B	1	2	3	4	5	6	7	8	9	10	
44	1SG12ME06	VIKRAM KUMAR	1	2	3	4	5	6	7	8	9	10	
45	1SG12ME06	VISHWACHETHAN M	1	2	3	4	5	6	7	8	9	10	
46	1SG12ME06	VIVEK H	1	2	3	4	5	6	7	8	9	10	
47	1SG13ME40	ARUN.S	1	2	3	4	5	6	7	8	9	10	
48	1SG13ME40	CHETHAN G	1	2	3	4	5	6	7	8	9	10	
49	1SG13ME40	HITESH PATIL S	1	2	3	3	4	5	6	7	8	9	
50	1SG13ME40	JAYA RAJU B	1	2	3	4	5	6	7	8	9	10	
51	1SG13ME40	NITISH K	1	2	3	4	5	6	7	8	9	10	
52	1SG13ME40	KIRAN KUMAR	1	2	3	4	5	6	7	8	9	10	
53	1SG13ME41	VINAY KUMAR R.S	1	2	3	4	5	6	7	8	9	10	
54	1SG12ME06	ARUN KUMAR .K M	1	2	3	4	5	6	7	8	9	10	
55	1SG11ME02	KALYAN	1	2	3	4	5	6	7	8	9	9	

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56	1SG10ME03	RAKESH.V	1	2	3	4	5	6	7	8	9	10	
57	1SG10ME05	VIVEK T	1	2	3	4	5	6	7	8	9	10	
58	1SG10ME06	AKABARI RAHUL	1	2	3	4	5	6	7	8	9	10	
59	1SG11ME01	GAURAV KUMAR	1	2	3	3	4	5	6	7	8	9	
60	1SG13ME00	ABHISHEK S A	1	2	3	4	4	5	6	7	8	9	
61	1SG13ME00	ABU BAKKAR SIDDIQ	1	2	3	4	5	6	7	8	9	10	
62	1SG13ME00	AKHILA N R	1	2	3	4	5	6	7	8	9	10	
63	1SG13ME00	AKSHYA L K KUMBLE	1	2	3	4	5	6	7	8	9	10	
64	1SG13ME00	AKSHAY M P	1	2	3	4	5	6	7	8	9	10	
65	1SG13ME01	AKSHAY J	1	2	3	4	5	5	6	7	8	9	
66	1SG13ME01	ALAN ALEXANDER	1	2	3	4	5	6	7	8	9	10	
67	1SG13ME01	AMAR KUMAR	1	2	3	4	5	6	7	8	9	10	
68	1SG13ME01	ANIL KUMAR N	1	2	3	4	5	6	7	8	9	10	
69	1SG13ME01	ANKIT KUMAR	1	2	3	4	5	6	7	8	9	10	
70	1SG13ME01	ANKIT KUMAR RAI	1	2	3	4	5	6	7	8	9	10	
71	1SG13ME01	ANUP	1	2	3	4	5	6	7	8	9	10	
72	1SG13ME01	ANVESH SHUKLA	1	2	3	4	5	6	7	8	9	10	
73	1SG13ME02	ARVIND MANDAL	1	2	3	4	5	6	7	8	9	10	
74	1SG13ME02	ASAD AHMAD	1	2	3	4	5	6	7	8	9	10	
75	1SG13ME02	BASAVARAJ	1	2	3	4	5	6	7	8	9	10	
76	1SG13ME02	BELKUNI AKASH	1	2	3	4	5	6	7	8	9	10	
77	1SG13ME02	BHARATH L	1	2	3	4	5	6	7	8	9	10	
78	1SG13ME02	CHETAN RAO S	1	2	3	4	5	6	7	8	9	10	
79	1SG13ME02	CHIRANTH.S.G	1	2	3	4	5	6	7	8	9	10	
80	1SG13ME02	DARSHAN S B	1	2	3	4	5	6	7	8	9	10	
81	1SG13ME03	DEEMANTH GOWDA T	1	2	3	4	5	6	7	8	9	10	
82	1SG13ME03	DEVRAJA S B	1	2	3	4	5	6	7	8	9	10	
83	1SG13ME03	DHANUSH L	1	2	3	4	5	6	7	8	9	10	
84	1SG13ME03	DHARMENDRA	1	2	3	4	5	6	7	8	9	10	
85	1SG13ME03	G.S SATISH	1	2	3	4	5	6	7	8	9	10	

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86	1SG13ME03	GANESH M	1	2	3	4	5	6	7	8	9	10	
87	1SG13ME04	GIRISH V GOWDA	1	2	3	4	5	6	7	8	9	10	
88	1SG13ME04	HARSHITH GOWDA M	1	2	3	4	5	6	7	8	9	10	
89	1SG13ME04	HEMANTH R	1	2	3	4	5	6	7	8	9	10	
90	1SG13ME04	JEDSUN	1	2	3	4	5	6	6	7	8	9	
91	1SG13ME04	JITEN S	1	2	3	4	5	6	7	8	9	10	
92	1SG13ME04	K K GURU NAG	1	2	3	4	5	6	7	8	9	10	
93	1SG13ME04	KARTHIK B R	1	2	3	4	5	6	7	8	9	10	
94	1SG13ME05	KISHORE .H	1	2	3	4	5	6	7	8	9	10	
95	1SG13ME05	KOMAL RAM C	1	2	3	4	5	6	7	8	9	10	
96	1SG13ME05	KOUSHIKRAJ A R	1	2	3	4	5	6	7	8	9	10	
97	1SG13ME05	KUMAR VAIBHAV	1	2	3	4	5	6	6	7	8	8	
98	1SG13ME05	KUSHAL K	1	2	3	4	5	6	7	8	9	10	
99	1SG13ME05	KUSHAL M	1	2	3	4	5	6	7	8	9	10	
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101	1SG13ME05	MADHUSUDAN M	1	2	3	4	5	6	7	8	9	10	
102	1SG13ME05	MADHU S	1	2	3	4	5	6	7	8	9	10	
103	1SG13ME06	MANJUNATH K	1	2	3	4	5	6	7	8	9	10	
104	1SG13ME06	MOHIT KUMAR	1	2	3	4	5	6	7	8	9	10	
105	1SG13ME06	N V POORNABODHA	1	2	3	4	5	6	7	8	9	10	
106	1SG13ME06	NADEEM SARWAR	1	2	3	4	5	6	7	8	9	10	
107	1SG13ME07	NAGABANDLA ROHIT	1	2	3	4	5	6	7	8	9	10	
108	1SG13ME07	NAMIT S NAIK	1	2	3	4	5	6	7	8	9	10	
109	1SG13ME07	NANDAN KUMAR	1	2	3	4	5	6	7	8	9	10	
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111	1SG13ME07	NAVEENA K B	1	2	3	4	5	6	7	8	9	10	
112	1SG13ME08	PRASANTH R	1	2	3	4	5	6	7	8	9	9	
113	1SG13ME08	PRASHANTH M	1	2	3	4	5	6	7	8	9	10	
114	1SG13ME08	PRATIK GAURAV	1	2	3	4	5	6	7	8	9	10	
115	1SG13ME08	PREMANTH P	1	2	3	4	5	6	7	8	9	10	

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116	1SG13ME08	PRINCE KUMAR	1	2	3	4	5	6	7	8	9	10	
117	1SG13ME08	R DHARSHAN	1	2	3	4	5	6	7	8	9	10	
118	1SG13ME09	RAHUL	1	2	3	4	5	6	7	8	9	9	
119	1SG13ME09	RAHUL KUMAR	1	2	3	4	5	6	7	8	9	10	
120	1SG13ME09	RAKESH HUNDARGI	1	2	3	4	5	6	7	8	9	10	
121	1SG13ME09	RAVIKIRANA H R	1	2	3	4	5	6	7	8	9	10	
122	1SG13ME09	RISHABH SOMAIAH	1	2	3	4	5	6	7	8	9	10	
123	1SG13ME09	RITESH DHANOTIYA	1	2	3	4	5	6	7	8	9	10	
124	1SG13ME09	ROHIT KUMAR SINGH	1	2	3	4	5	6	7	8	9	10	
125	1SG13ME09	ROHITH K S	1	2	3	4	5	6	7	8	9	10	
126	1SG13ME09	S V HARI	1	2	3	4	5	6	7	8	9	10	
127	1SG13ME09	SANDEEP KUMAR P S	1	2	3	4	5	6	7	8	9	10	
128	1SG13ME10	SANDEEP SINGH E	1	2	3	3	4	5	5	6	7	8	
129	1SG13ME10	SANJAY KUMAR R	1	2	3	4	5	6	7	8	9	10	
130	1SG13ME11	VAMSHI KRISHNA K	1	2	3	4	5	6	7	8	9	10	
131	1SG13ME11	VASANTHRAJ S	1	2	3	4	5	6	7	8	9	10	
132	1SG13ME11	VIDYA S	1	2	3	4	5	6	7	8	9	10	
133	1SG13ME12	VINOD KUMAR G	1	2	3	4	5	6	7	8	9	10	
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135	1SG13ME12	VIVEK KITTALI	1	2	3	4	5	6	7	8	9	10	
136	1SG13ME12	VISHWAS D R	1	2	3	4	5	6	7	8	9	10	
137	1SG13ME12	SHASHIKANT KUMAR	1	2	3	4	5	6	7	8	9	10	
138	1SG13ME12	SAURABH GUPTA	1	2	3	4	5	6	7	8	9	9	
139	1SG13ME13	SUHAS S	1	2	3	4	5	6	7	8	9	10	



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## DEPARTMENT OF MECHNAICAL ENGINEERING

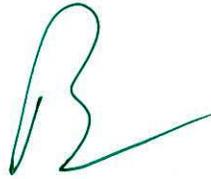
### Five days Certification Program on "Finite Element Analysis"

#### Test Time Table

Sl. No.	DATE	DAY	TIMINGS
1	31-07-2015	Friday	1.00 PM- 3.00 PM

  
HOD

H.O.D. Dept. of Mech. Engg  
S.C.E., Bangalore-560 057

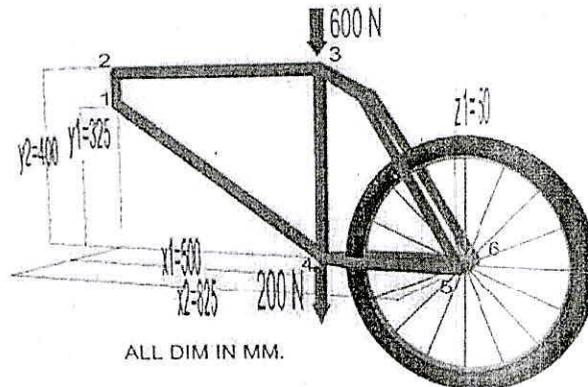


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## Five days Certification Program on “Finite Element Analysis”

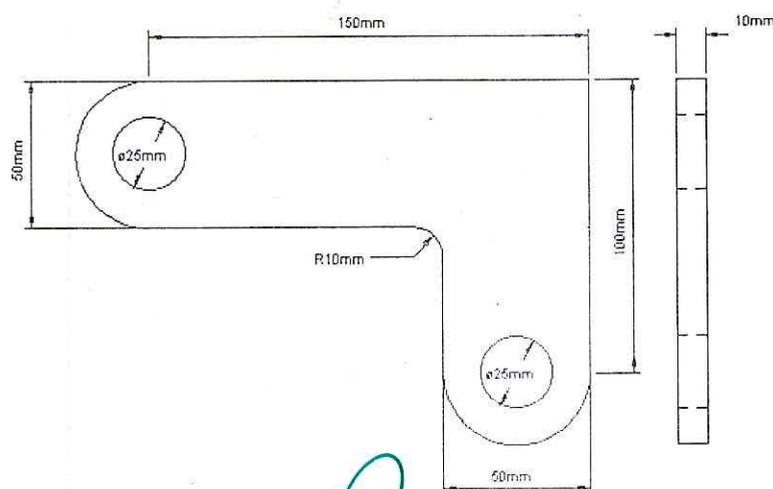
### Question Paper

1. The problem to be modeled in this example is a simple bicycle frame shown in the following figure. The frame is to be built of hollow aluminum tubing having an outside diameter of 25mm and a wall thickness of 2mm.



*Figure; Bicycle Frame*

2. The dimension of the corner bracket is given below. The bracket is made of steel with a Young's modulus of  $E=205$  GPa and the Poisson's ratio of 0.27. The upper left hole is constrained around its entire circumference. The lower right-hand hole is loaded by pin with a pressure of 50 bar to lower half of the circumference. Find maximum deflection and stress in the bracket.



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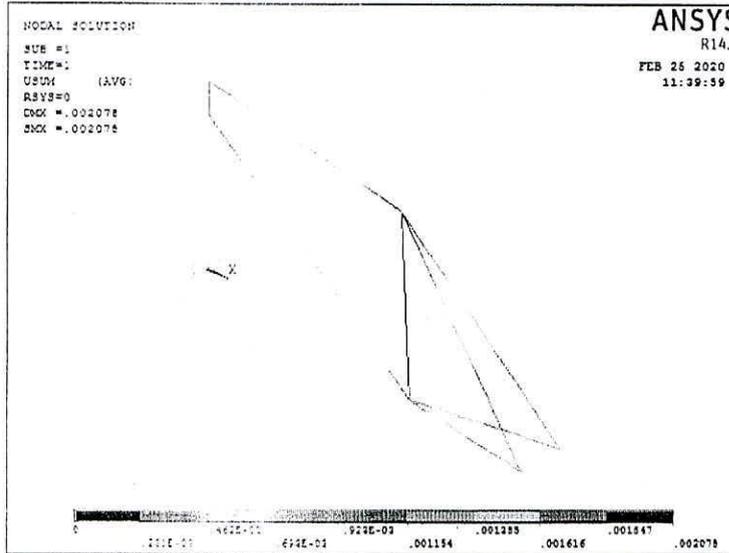
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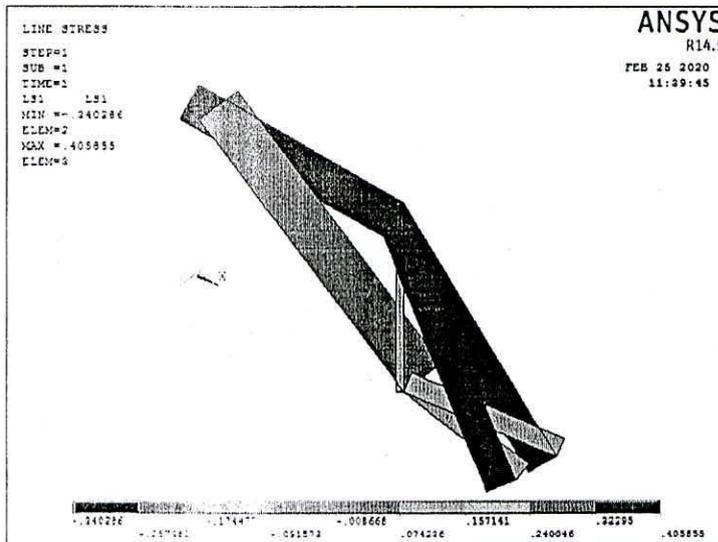
Five days Certification Program on "Finite Element Analysis"

## Solution

1)



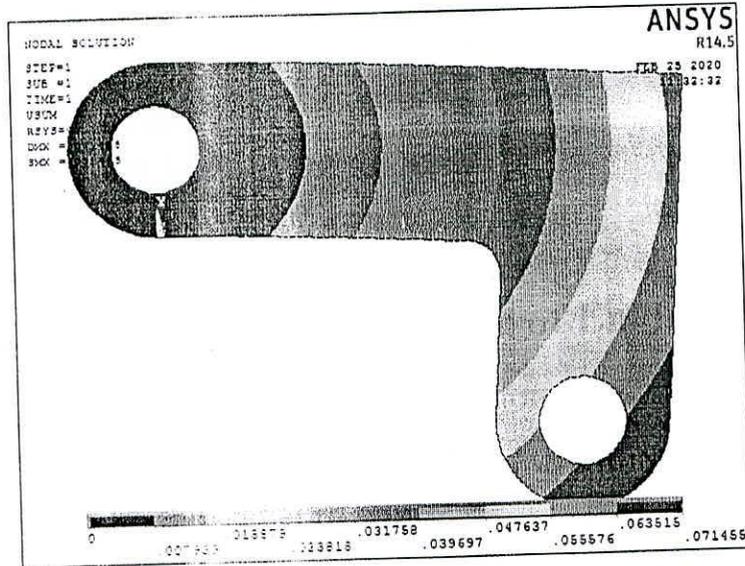
## Displacement Results



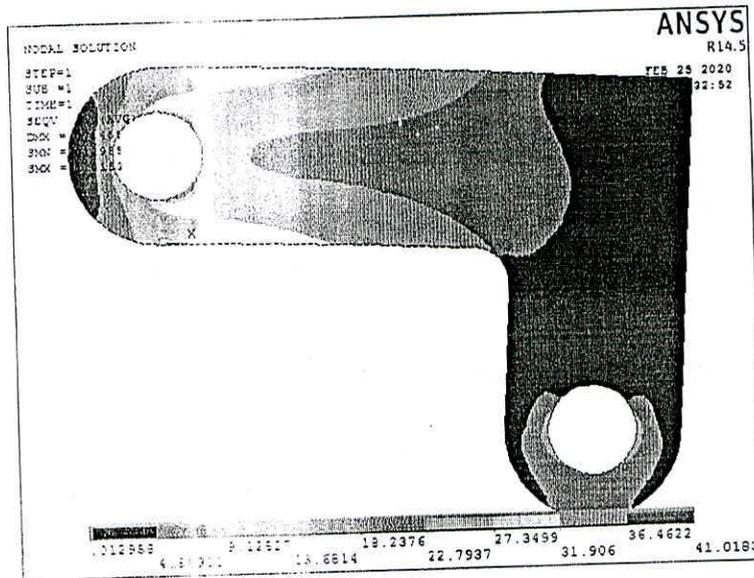
## Stress Result

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2)



**Displacement Result**



**Result Plot**



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## DEPARTMENT OF MECHNAICAL ENGINEERING

Approved by Academic Committee Members & HOD

Sl No.	Faculty Name	Designation	Signature
1	Prof. Ramkumar M	Assistant Professor	
2	Prof. Ramesh. N G	Assistant Professor	
3	Prof. Madhu kumar Y C	Assistant Professor	
4	Prof. Arun Kumar R	Assistant Professor	
5	Prof. Tulsidas	Guest Speaker	

HOD

1.O.D. Dept. of Mech. Engg  
S.C.E., Bangalore-560 057

Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road,  
Bangalore-560 057



# Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)  
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

## DEPARTMENT OF MECHNAICAL ENGINEERING

### Five days Certification Program on "Finite Element Analysis"

#### Participant Feedback

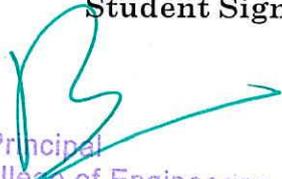
1. How was the overall organization of the Certification Course ?  
a) Poor   b) Satisfactory   c) Good    d) Excellent
2. How appropriate were the facilities provided ?  
a) Poor    b) Satisfactory   c) Good   d) Excellent
3. Opportunity to ask questions for clarification and interaction with presenters  
a) Poor   b) Satisfactory    c) Good   d) Excellent
4. Effectiveness of the Hands-on Sessions  
a) Poor   b) Satisfactory    c) Good   d) Excellent
5. Topic and contents of the Certification Course  
a) Poor   b) Satisfactory   c) Good    d) Excellent
6. How do you rate the Certification Course compared to other workshops that you have attended ?  
a) Poor   b) Satisfactory    c) Good   d) Excellent
7. Generally how was your overall experience during the Certification Course  
a) Poor   b) Satisfactory   c) Good    d) Excellent
8. Any Suggestions:

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StudentName : Gowda. P. B

Student Signature: 

  
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StudentName: Chethan, N.

Student Signature: Chethan

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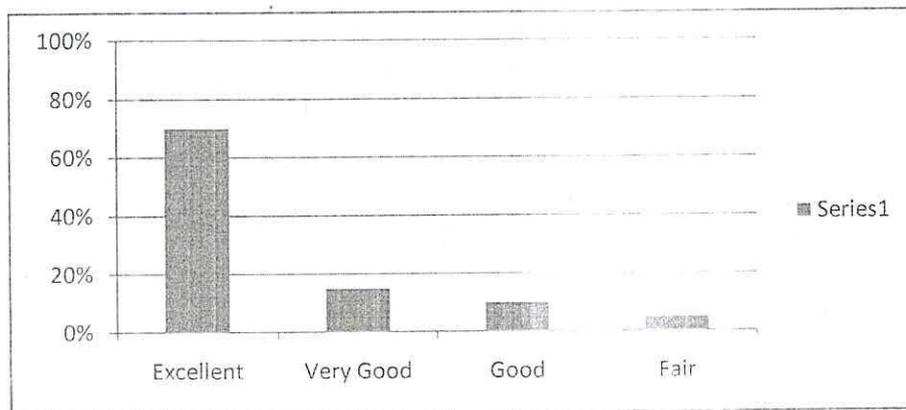
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## DEPARTMENT OF MECHNAICAL ENGINEERING

### FEEDBACK ANALYSIS

Certification Programme: "Finite Element Analysis"

No. of students participated	Student Feedback			
	Excellent	Very Good	Good	Fair
139	70%	15%	10%	5%



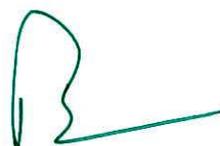
Action Report:

70 % of students were completely happy with the certification program and 15 % of students felt it was a good program and remaining 15% students were satisfied with the program.

Action Taken:

The Feedback report which was collected from the students were sent to the principal and he would take necessary actions based on the comments and conduct more programs for the benefit of students.

  
Program Coordinator

  
Principal

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HOD  
I.O.D. Dept. of Mech. Engg  
S.C.E., Bangalore-560 057



# Sapthagiri College of Engineering

Bangalore-560057

## Certificate

This is to Certify that Mr./Ms. Gagan G.

of \_\_\_\_\_ has participated and successfully completed Five days Certification Course on "*FINITE ELEMENT ANALYSIS*" from 27 July, 2015 to 31 July, 2015 organized by the Department of mechanical Engineering, Sapthagiri College of Engineering.

  
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Principal



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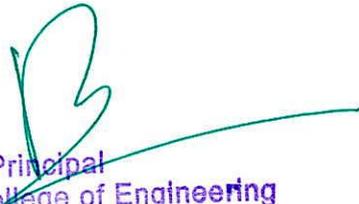
Bangalore-560057

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## DEPARTMENT OF MECHNAICAL ENGINEERING

### Certificate Course Report

Department of mechanical Engineering conducted Certificate Course on Finite Element Analysis.

**Guest Speaker:** Prof. Tulsidas, Asst. Professor- VKIT, Bangalore.

**Duration of the course:** five days from July 27<sup>th</sup> 2015 to July 31<sup>st</sup> 2015

#### Course detail

**Objective of the Course:** The five day course made the students to be familiar with the Finite Element Analysis for Solving structural and thermal problems, which is a main platform for their career. Certificate Course became the vital step to improve the knowledge of students. Faculty took the onus of interacting with the students personally to navigate them for the academic transition by becoming the guides by their side.

Dates	SESSION 1 (9.00 am-12.00 pm)	SESSION 2 (1.00 pm- 4.00 pm)
27-7-2015 Monday	Introduction to Finite Element Analysis	Analysis of bar Problems
28-7-2015 Tuesday	Analysis of beam Problems	Analysis of truss Problems
29-7-2015 Wednesday	Analysis of 2D Structural Problems	Analysis of 3D Structural Problems
30-7-2015 Thursday	Analysis of 2D & 3D thermal Problems	Analysis of 2D & 3D Dynamic Problems
31-7-2015 Friday	Analysis of 2D & 3D Fluid Flow Problems	Test & Valedictory function

  
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## DEPARTMENT OF MECHANICAL ENGINEERING

**Conclusion:** Students were happy overall session of modeling skills delivered by the guest. Faculty members were also equally benefited with the course. They felt more expedient while delivering the lectures as the margin was erased between these students and others.



Glimpse of Course Programme



Students in hands-on session

  
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