



ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,  
NARHE | PUNE - 41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING  
HANDS ON TRAINING  
ACADEMIC YEAR: 2017-18

Summary Report of Hands on training Academic Year: 2017-18

Sr. No.	Value added courses	Date of Introduction	Duration of course (Hours)	Number of Students completing the course in the year
1	ANSYS CAE (Ansys 13.0)	05/02/2018 to 27/03/2018	60	71
2	ANSYS CAE (Ansys 13.0)	03/07/2017 to 08/08/2017	54	84
Total number of students completing the course in the year				155



Head of Department  
Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



**Hands on training on Computer Aided Engineering (CAE) - Ansys 13.0**

**Index**

<b>Sr. No</b>	<b>Particulars</b>
1	Course Details
2	Course Content
3	Notice
4	List of students enrolled
5	Schedule
6	Student attendance
7	Evaluation Details
8	Activity Summary Report
9	Certificate




**COURSE DETAILS**

1	Course Name	<b>Computer Aided Engineering (CAE) - Ansys 13.0</b>
2	Duration	54 Hrs (03/07/2017 to 08/08/2017)
3	Learners	BE
4	Students enrolled	84
5	Details of Trainers	Prof. M.R. Kalyanshetti, Prof .Adewar S.S
6	No. of Batches	3
7	Schedule	Batch 1: 9.15 am to 11.15 am
8		Batch 2: 11.30 am to 01.30 pm
9		Batch3: 3.00 pm to 5.00 pm

  
**Course Coordinator**



  
**Head of the Department**  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



Syllabus with Training Schedule (Ansys)

Day	Content	Week
	<b>Part</b>	
1	Introduction to FEM/FEA concepts, Introduction to Ansys, Creating geometry, Generation of key points, lines	Week-1
2	Extruding areas, lines & key points, Work plane management, coordinate systems	
3	Performing Boolean operations (Add, subtract, intersect)	
4	Boolean operation- (divide, glue, partition, overlap)	
5	Move/modify	
6	Copy& reflect geometries	
7	Check geometric properties	Week-2
8	Import geometry from other CAD software	
9	Explaining about nodes & elements, Types of mesh-Free& mapped meshing	
10	Explaining about mesh attributes. Size controls	Week-3
11	Meshing key points, lines, areas & volumes	
12	Mapped meshing, Mesh concatenation	
13	Mesh extrusion	
14	Mesh sweeping	
15	Hexa – tetra conversion	
16	Define loading & boundary conditions	Week-4
17	Different types of loads, Different types of constraints	
18	Introduction to Static Structural Analysis	
19	Beam analysis	
20	Truss analysis, Stresses in bars	
21	Stresses in composite bars	Week-5
22	strain energy calculations	
23	Finding out reaction solutions	
24	Modal analysis	
25	CASE STUDY-1	Week-6
26	CASE STUDY-2	
27	Test	

Course Coordinator





## Notice (Hands on Training)

Date: 19/06/2017

Department of Mechanical Engineering launching special Hands on Training program on **Computer Aided Engineering (CAE) - Ansys 13.0** for BE students from 03/07/2017.


The interested students can register to department before 21/06/2017.

### COURSE DETAILS

1	Course Name	<b>Computer Aided Engineering (CAE) - Ansys 13.0</b>
2	Duration	03/07/2017 to 08/08/2017
3	Expected Learners	BE
4	Details of Trainers	Prof. M.R. Kalyanshetti , Prof .Adewar S.S

  
Course Coordinator



  
**Head of the Department**  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041





**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH,**  
**NARHE | PUNE - 41 | INDIA**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) -Ansys 13.0**

**List of the Students Enrolled for Hands on training on Computer Aided Engineering (CAE) -  
Ansys 13.0**

**Academic Year: 2017-18      SEM-I**

**Duration of Course: 54 Hours (03/07/2017 to 08/08/2017)**

S.N.	Name
1	CHAVAN SUYOG KRISHNAT
2	DESHMUKH VAIBHAV GOPALRAO
3	DESHMUKH YUVRAJ SHESHRAO
4	DHAKE TEJAS ASHOK
5	DHUMAL SANKET SHAM
6	DUPARGUDE MANOJ JAGDEV
7	GATADE SACHIN VITTHAL
8	GHEWARE SHUBHAM SUNIL
9	GHODAKE VIKAS DHANRAJ
10	GURAV PRAVIN CHANDRAKANT
11	HARKE SHUBHAM SANJAY
12	HOLKAR ROHIT GORAKH
13	HUDDAR AMEYA SADANAND
14	BORUDE PAWAN BALASAHEB
15	BANSODE BABASAHEB UTTAM
16	BHOREKAR AMOL VILAS
17	RAUT VAIBHAV PRATAPRAO
18	DHULE PAWAN SHANKAR
19	DESHPANDE OJAS
20	GAIKWAD KOMESH CHANDRAKANT
21	KARAN DAYASHANKAR KUSHAWAHA
22	SHUBHAM SUNIL KARANDE
23	BALKRUSHANA BABU KASTURE
24	GAURAV MADHUKAR KESARKAR
25	CHAITANYA KHADE
26	RAJESH LAHU KHATOKAR
27	VARSHA KHIRADE
28	OMKAR RAJENDRA KHUNE
29	PRAYAG KHUTWAD
30	SURAJ BALIRAM KINHALE

**Course Coordinator**



**Head of Department**  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH,**  
**NARHE | PUNE - 41 | INDIA**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) -Ansys 13.0**

**List of the Students Enrolled for Hands on training on Computer Aided Engineering (CAE) - Ansys 13.0**


**Academic Year: 2017-18      SEM-I**

**Duration of Course: 54 Hours (03/07/2017 to 08/08/2017)**

S.N.	Name
1	TUSHAR SHIVAJI RAUT
2	ABHIJEET RAYKAR
3	KARAN SHIVAJI REDEKAR
4	RUDRUK AKSHAY
5	SANMESH SABALE
6	MOHIT SALUNKHE
7	AKSHAY ROHIDAS SARGAR
8	AMOL SATPUTE
9	SHAMSHODDIN SAUDAGAR
10	ANIRUDDHA SAWANT
11	DIGVIJAY DILIP SAWANT
12	FAIJAL SAYYAD
13	SUSHANT SHINDE
14	YOGESH SHINDE
15	SONKAMBLE PRADIP BABU
16	AJIM SALIM SUTAR
17	HARSHAD TANWADE
18	SUSHANT DILIP TELAWADE
19	VARACHHE BHUSHAN DIGAMBAR
20	RAHUL VAVALE
21	DESHMUKH YASH
22	DHARMIK SAGAR
23	DHUMAL AKSHAY UDAYSING
24	EKKE CHINMAY RAMESH
25	GADE KARAN AJINATH
26	GAWALI AKASH
27	GHARAT VEDANT
28	GHORPADE ANIKET GOPAL
29	GURSALI AJAY

  
**Course Coordinator**



  
**Head of Department**  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH,**  
**NARHE | PUNE - 41 | INDIA**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) -Ansys 13.0**

**List of the Students Enrolled for Hands on training on Computer Aided Engineering (CAE) -  
Ansys 13.0**


**Academic Year: 2017-18      SEM-~~II~~**

**Duration of Course: 54 Hours (03/07/2017 to 08/08/2017)**

S.N.	Name
1	INAMDAR SOHEL
2	JADHAV DIPAK
3	JADHAV TEJAS SURESH
4	KADAM AKSHAY PRADIP
5	KALE SHUBHAM SANJAY
6	KALVANKAR SWAPNIL SAKHARAM
7	KANADE PARESH MAHESH
8	KANHERKAR RAJESH
9	KARANDE AKSHAY SATISH
10	KULKARNI ATHARVA NITIN I
11	KULKARNI SHASHANK ANAND
12	KUMBHAR MAYURESH RAJENDRA
13	KUTE DATTA KRISHNA
14	BONGALE RAMANAND ASHOK
15	UNWANE DNYANRAJ MAHADEVRAO
16	ALDAR VAIBHAV PANDURANG
17	SHAIKH SOHIL IQBAL
18	MANDLIK SURAJ NIVRUTI
19	KAMBLE NIRAJ
20	POMAN SAGAR ASHOK
21	AKASH PATIL
22	KAKASAHEB PATIL
23	PRAVIN PATIL
24	SIDDHESH PATIL
25	AKSHAY VITTHAL PAWAR

  
**Course Coordinator**



  
**Head of Department**  
Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041





### **Notice (Hands on Training)**

Date: 01/07/2017

All the enrolled students for Hands on Training program on **Computer Aided Engineering (CAE) - Ansys 13.0** are hereby informed that training is scheduled from 03/07/2017 to 08/08/2017. The batchwise schedule is given below,

<b>SN</b>	<b>Batch</b>	<b>Time</b>
1	Batch 1	9.15 am to 11.15 am
	Batch 2	11.30 am to 01.30 pm
	Batch 3	3.00 pm to 5.00 pm

The batch wise list of enrolled students is displayed on Notice board.



  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



ZEAL EDUCATION SOCIETY'S  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

**List of the Students Enrolled for Hands-on-Training on Computer Aided Engineering (CAE) - Ansys 13.0**

**Academic Year: 2017-18**

**Duration of Course: 54 Hours (03/07/2017 to 08/08/2017)**

**SEM-III**

Sr. No.	Name	3/7	4/7	5/7	6/7	8/7	10/7	11/7	13/7	14/7	15/7	17/7	18/7	19/7	20/7	21/7
1	Chavan Suyog Krishnat	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
2	Deshmukh Vaibhav Gopalrao	P	P	P	P	P	P	A	P	P	P	A	P	P	P	A
3	Deshmukh Yuvraj Sheshrao	A	A	P	A	P	P	P	P	A	P	A	P	P	P	P
4	Dhake Tejas Ashok	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P
5	Dhumal Sanket Sham	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
6	Dupargude Manoj Jagdev	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A
7	Gatade Sachin Vitthal	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P
8	Gheware Shubham Sunil	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P
9	Ghodake Vikas Dhanraj	A	P	A	A	P	P	P	P	P	P	P	P	P	A	P
10	Gurav Pravin Chandrakant	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P
11	Harke Shubham Sanjay	P	P	P	P	A	A	P	P	P	P	A	P	P	P	P
12	Holkar Rohit Gorakh	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
13	Huddar Ameya Sadanand	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
14	Borude Pawan Balasaheb	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P
15	Bansode Babasaheb Uttam	A	P	A	P	P	P	A	P	P	P	P	P	P	P	A
16	Bhorekar Amol Vilas	A	P	P	P	A	P	P	P	P	P	A	P	P	P	A





ZEAL EDUCATION SOCIETY'S  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

Sr. No.	Name	3/17	4/17	5/17	6/17	8/17	10/17	11/17	13/17	14/17	15/17	17/17	18/17	19/17	20/17	21/17
17	Raut Vaibhav Prataprao	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A
18	Dhule Pawan Shankar	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P
19	Deshpande Ojas	P	P	P	A	P	P	A	P	P	P	A	P	P	P	P
20	Gaikwad Kamesh Chandrakant	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P
21	Karan Dayashankar Kushawaha	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P
22	Shubham Sunil Karande	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P
23	Balkrushana Babu Kasture	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
24	Gaurav Madhukar Kesarkar	A	A	P	P	A	P	P	P	P	P	P	P	P	P	A
25	Chaitanya Khade	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
26	Rajesh Lahu Khatokar	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P
27	Varsha Khirade	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P
28	Omkar Rajendra Khune	P	P	A	P	P	A	A	P	P	P	P	P	A	P	P
29	Prayag Khutwad	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P
30	Suraj Baliram Kinbhale	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A

  
**Course Co-ordinator**



  
**Head of Department**  
 Dept. of Mechanical Engineering  
 ZES's Zeal College of Engineering & Research, Pune-411 041



ZEAL EDUCATION SOCIETY'S  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

List of the Students Enrolled for Hands-on-Training on Computer Aided Engineering (CAE) - Ansys 13.0

**SEM-I**

**Academic Year: 2017-18**

**Duration of Course: 54 Hours (03/07/2017 to 08/08/2017)**

Sr. No.	Name	24/7	25/7	26/7	28/7	29/7	31/7	1/8	2/8	3/8	4/8	7/8	8/8
1	Chavan Suyog Krishnat	<del>P</del>	P	P	P	P	P	P	A	P	P	P	P
2	Deshmukh Vaibhav Gopalrao	P	P	P	P	P	P	P	P	P	P	P	P
3	Deshmukh Yuvraj Sheshrao	P	P	A	P	P	P	P	A	P	P	A	P
4	Dhake Tejas Ashok	P	P	P	P	P	P	P	P	P	P	P	A
5	Dhumal Sanket Sham	P	P	P	A	P	A	P	P	P	P	P	P
6	Dupargude Manoj Jagdev	A	P	A	P	P	P	P	P	P	P	A	P
7	Gatade Sachin Vitthal	P	P	P	P	P	P	A	P	P	P	P	P
8	Gheware Shubham Sunil	P	A	P	P	P	P	P	P	P	P	P	P
9	Ghodake Vikas Dhanraj	A	P	P	P	P	A	P	P	P	A	P	P
10	Gurav Pravin Chandrakant	P	P	P	P	P	P	P	P	P	A	P	A
11	Harke Shubham Sanjay	P	P	A	P	P	P	A	P	P	P	P	P
12	Holkar Rohit Gorakh	P	P	P	A	P	A	P	P	P	P	P	P
13	Huddar Ameya Sadanand	A	P	P	P	A	A	P	P	P	P	A	P
14	Borude Pawan Balasaheb	P	A	P	P	P	P	P	A	A	P	P	A
15	Bansode Babasaheb Uttam	P	P	P	P	P	P	A	P	P	A	P	P
16	Bhorekar Amol Vilas	P	P	P	P	P	P	P	P	P	A	P	P
17	Raut Vaibhav Prataprao	P	P	A	P	P	P	P	P	A	P	P	P







ZEAL EDUCATION SOCIETY'S  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

Sr. No.	Name	24/7	25/7	26/7	28/7	29/7	31/7	1/8	2/8	3/8	4/8	7/8	8/8
18	Dhule Pawan Shankar	P	P	P	P	P	A	P	P	P	P	P	P
19	Deshpande Ojas	P	P	P	P	P	P	P	A	P	P	P	P
20	Gaikwad Kamesh Chandrakant	P	A	P	P	A	P	A	P	P	P	A	A
21	Karan Dayashankar Kushawaha	P	P	A	P	P	P	P	P	A	P	P	P
22	Shubham Sunil Karande	A	P	P	A	P	P	P	P	P	P	P	P
23	Balkrushana Babu Kasture	P	P	P	P	P	P	A	P	P	P	P	P
24	Gaurav Madhukar Kesarkar	P	P	P	P	P	P	P	P	P	P	P	P
25	Chaitanya Khade	P	P	A	P	P	P	P	P	A	P	A	P
26	Rajesh Lahu Khatokar	P	P	P	P	P	P	P	P	P	P	P	P
27	Varsha Khirade	A	P	P	A	P	A	P	A	P	P	P	P
28	Omkar Rajendra Khune	P	P	P	P	P	P	P	P	P	P	P	P
29	Prayag Khutwad	P	A	P	P	A	P	P	P	P	A	P	P
30	Suraj Bairam Kinhale	P	P	P	P	P	P	P	P	P	P	P	A



*[Signature]*  
 Course Co-ordinator





**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

**List of the Students Enrolled for Hands-on-Training on Computer Aided Engineering (CAE) - Ansys 13.0**

Academic Year: 2017-18

Duration of Course: 54 Hours (03/07/2017 to 08/08/2017)

**SEM-III**

Sr. No.	Name	3/17	4/17	5/17	6/17	8/17	10/17	11/17	13/17	14/17	15/17	17/17	18/17	19/17	20/17	21/17
1	Tushar Shivaji Raut	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P
2	Abhijeet Raykar	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
3	Karan Shivaji Redekar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Rudruke Akshay	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P
5	Sanmesh Sabale	A	P	A	P	P	P	P	P	P	P	P	A	P	P	P
6	Mohit Salunkhe	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
7	Akshay Rohidas Sargar	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A
8	Amol Satpute	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
9	Shamshoddin Saudagar	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
10	Aniruddha Sawant	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
11	Digvijay Dilip Sawant	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
12	Fajal Seyyad	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
13	Sushant Shinde	A	P	P	P	P	A	P	P	A	P	P	P	A	P	P
14	Yogesh Shinde	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
15	Sonkamble Pradip Babu	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
16	Ajim Salim Sutar	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
17	Harshad Tanwade	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
18	Sushant Dilip Telawade	P	P	P	A	P	P	A	P	P	A	P	P	P	P	A





ZEAL EDUCATION SOCIETY'S  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**

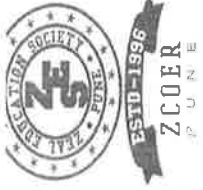
**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

Sr. No.	Name	3/7	4/7	5/7	6/7	8/7	10/7	11/7	13/7	14/7	15/7	17/7	18/7	19/7	20/7	21/7
19	Varachhe Bhushan Digambar	P	P	P	A	P	P	P	P	P	P	P	A	P	P	A
20	Rahul Vavale	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Deshmukh Yash	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
22	Dharmik Sagar	P	P	P	P	A	P	P	P	P	A	P	P	A	P	P
23	Dhumal Akshay Udaysing	A	P	A	P	P	P	A	P	P	P	A	P	P	P	P
24	Ekke Chinmay Ramesh	P	P	P	P	P	A	P	P	A	P	P	A	P	P	P
25	Gade Karan Ajinath	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
26	Gawali Akash	A	P	P	A	P	P	P	P	P	P	A	P	A	P	A
27	Gharat Vedant	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
28	Ghorpade Aniket Gopal	P	P	P	P	A	A	P	P	P	A	P	P	P	P	P
29	Gursali Ajay	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P

  
**Course Co-ordinator**



  
**Head of Department**  
 Dept. of Mechanical Engineering  
 ZES's Zeal College of Engineering  
 & Research, Pune-411 041



**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

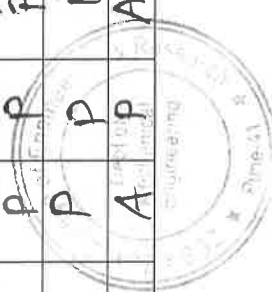
List of the Students Enrolled for Hands-on-Training on Computer Aided Engineering (CAE) - Ansys 13.0

Academic Year: 2017-18

Duration of Course: 54 Hours (03/07/2017 to 08/08/2017)

**SEM-III**

Sr. No.	Name	24/7	25/7	26/7	28/7	29/7	31/7	1/8	2/8	3/8	4/8	7/8	8/8
1	Tushar Shivaji Raut	P	A	P	P	P	P	P	P	P	P	P	A
2	Abhijeet Raykar	P	P	P	P	P	A	P	P	P	P	A	P
3	Karan Shivaji Redekar	A	P	P	P	P	P	P	P	P	P	P	P
4	Rudruke Akshay	P	P	P	P	P	P	P	P	A	P	P	P
5	Sannesh Sabale	P	P	P	P	P	P	P	P	P	P	P	P
6	Mohit Salunkhe	P	P	P	P	P	P	P	P	P	A	P	P
7	Akshay Rohidas Sargar	P	P	P	A	P	P	P	A	P	P	P	P
8	Amol Satpute	P	P	P	P	A	P	P	P	P	P	P	P
9	Shamshoddin Saudagar	P	A	P	P	P	P	A	P	P	P	P	A
10	Aniruddha Sawant	P	P	P	P	P	P	P	P	P	P	P	P
11	Digvijay Dilip Sawant	P	P	P	P	P	P	P	P	P	A	P	P
12	Fajjal Sayyad	P	P	A	P	P	P	P	P	P	P	P	P
13	Sushant Shinde	P	P	P	P	P	P	P	A	P	P	P	P
14	Yogesh Shinde	P	P	P	P	P	A	P	P	P	A	P	A
15	Sonkamble Pradip Babu	P	P	P	P	P	P	P	P	P	P	A	P
16	Ajim Salim Sutar	P	A	P	P	P	P	A	P	A	P	P	P
17	Harshad Tanwade	A	P	P	P	P	P	P	P	P	P	P	P
18	Sushant Dilip Telawade	P	P	P	P	P	P	P	P	P	A	P	P
19	Varachhe Bhushan Digambar	P	P	A	P	P	P	P	P	P	P	P	A
20	Rahul Vavale	P	P	P	P	A	P	A	P	P	P	P	P





ZEAL EDUCATION SOCIETY'S  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

Sr. No.	Name	24/7	25/7	26/7	28/7	29/7	31/7	1/8	2/8	3/8	4/8	7/8	8/8
21	Deshmukh Yash	P	P	P	P	P	P	A	P	P	P	P	P
22	Dharmik Sagar	P	A	P	P	P	P	P	P	P	P	P	P
23	Dhumal Akshay Udaysing	A	P	P	P	P	P	P	P	P	P	P	P
24	Ekke Chinmay Ramesh	P	P	P	P	P	P	P	P	A	A	P	P
25	Gade Karan Ajinath	P	P	P	P	A	P	P	P	P	P	P	A
26	Gawali Akash	P	P	P	P	P	P	P	P	P	P	A	P
27	Gharat Vedant	P	P	A	P	P	A	P	P	P	P	P	P
28	Ghorpade Aniket Gopal	P	P	P	A	P	P	P	A	P	A	P	P
29	Gursali Ajay	A	P	P	P	P	P	P	P	P	P	P	P

**Course Co-ordinator**



*(Signature)*

**Head of Department**  
**Head of Department**  
 Dept. of Mechanical Engineering  
 ZES's Zeal College of Engineering  
 & Research, Pune-41 041





ZEAL EDUCATION SOCIETY'S  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

**List of the Students Enrolled for Hands-on-Training on Computer Aided Engineering (CAE) - Ansys 13.0**

**Academic Year: 2017-18**

**Duration of Course: 54 Hours (03/07/2017 to 08/08/2017)**

**SEM-II**

Sr. No.	Name	3/7	4/7	5/7	6/7	8/7	10/7	11/7	13/7	14/7	15/7	17/7	18/7	19/7	20/7	21/7
1	Inamdar Sohel	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P
2	Jadhav Dipak	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
3	Jadhav Tejas Suresh	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
4	Kadam Akshay Pradip	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P
5	Kale Shubham Sanjay	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
6	Kalvankar Swapnil Sakharam	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Kanade Paresh Mahesh	P	P	P	A	P	P	P	P	P	P	P	P	P	P	D
8	Kanherkar Rajesh	P	P	P	P	A	P	P	A	P	P	P	P	P	A	P
9	Karande Akshay Satish	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P
10	Kulkarni Atharva Nitin	P	P	A	P	P	P	P	P	A	P	P	P	P	P	A
11	Kulkarni Shashank Anand	P	P	P	A	P	A	P	P	P	P	P	P	A	P	P
12	Kumbhar Mayuresh Rajendra	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P
13	Kute Datta Krishna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Bongale Ramanand Ashok	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
15	Unwane Dnyanraj Mahadevrao	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P
16	Aldar Vaibhav Pandurang	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P
17	Shaikh Sohail Iqbal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A







**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

Sr. No.	Name	3/7	4/7	5/7	6/7	8/7	10/7	11/7	13/7	14/7	15/7	17/7	18/7	19/7	20/7	21/7
18	Mandlik Suraj Nivruti	P	P	P	P	P	A	P	P	P	A	A	P	P	P	P
19	Kamble Niraj	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
20	Poman Sagar Ashok	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A
21	Akash Patil	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P
22	Kakasaheb Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Pravin Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
24	Siddhesh Patil	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P
25	Akshay Vitthal Pawar	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P

*(Handwritten Signature)*

**Course Co-ordinator**



  
**Head of Department**  
**Head of Department**  
 Dept. of Mechanical Engineering  
 ZES's Zeal College of Engineering  
 & Research, Pune-411 041



ZEAL EDUCATION SOCIETY'S  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

List of the Students Enrolled for Hands-on-Training on Computer Aided Engineering (CAE) - Ansys 13.0

**Academic Year: 2017-18**

**Duration of Course: 54 Hours (03/07/2017 to 08/08/2017)**

**SEM-I**

Sr. No.	Name	24/7	25/7	26/7	28/7	29/7	31/7	1/8	2/8	3/8	4/8	7/8	8/8
1	Inamdar Sohel	P	P	P	P	P	A	A	P	A	P	P	P
2	Jadhav Dipak	P	P	P	A	P	P	P	P	P	P	P	P
3	Jadhav Tejas Suresh	P	P	P	P	P	P	P	P	P	P	P	P
4	Kadam Akshay Pradip	P	A	P	P	P	P	P	P	P	P	P	P
5	Kale Shubham Sanjay	P	P	A	P	P	P	P	P	P	P	P	P
6	Kalvankar Swapnil Sakharam	P	P	P	P	P	P	P	P	P	P	A	A
7	Kanade Paresh Mahesh	P	A	P	P	P	P	P	P	P	P	P	P
8	Kanherkar Rajesh	P	P	P	A	P	P	P	P	P	A	P	P
9	Karande Akshay Satish	P	P	P	P	P	P	A	P	P	P	P	P
10	Kulkarni Atharva Nitin I	A	P	P	P	P	A	P	P	P	P	P	P
11	Kulkarni Shashank Anand	P	P	P	P	A	P	P	A	P	P	P	P
12	Kumbhar Mayuresh Rajendra	P	A	P	A	P	P	P	P	P	P	P	P
13	Kute Datta Krishna	P	P	A	P	P	P	P	P	P	A	P	P
14	Bongale Ramanand Ashok	A	P	P	P	A	P	P	P	P	P	A	P
15	Unwane Dnyanraj Mahadevrao	P	P	P	P	P	P	P	A	P	P	P	P
16	Aldar Vaibhav Pandurang	P	P	P	A	P	P	P	P	P	P	P	A
17	Shaikh Sohail Iqbal	P	P	P	P	P	A	P	P	P	P	P	P
18	Mandlik Suraj Nivruti	P	A	P	P	P	A	P	P	P	A	P	P



ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING

HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0

Sr. No.	Name	24/7	25/7	26/7	28/7	29/7	31/7	1/8	2/8	3/8	4/8	7/8	8/8
18	Mandlik Suraj Nivruti	A	P	P	P	P	P	P	P	P	P	P	P
19	Kamble Nirraj	P	P	P	P	P	P	P	A	P	P	P	A
20	Poman Sagar Ashok	P	P	A	P	P	P	P	P	P	A	P	P
21	Akash Patil	P	P	P	P	P	A	A	P	P	P	P	P
22	Kakasaheb Patil	P	A	P	P	P	P	P	P	P	P	P	P
23	Pravin Patil	P	P	P	A	A	P	P	A	P	P	P	P
24	Siddhesh Patil	P	P	P	P	P	P	P	P	P	P	A	P
25	Akshay Vitthal Pawar	P	P	P	P	P	P	P	P	P	P	P	P

Course Co-ordinator



  
Head of Department  
Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



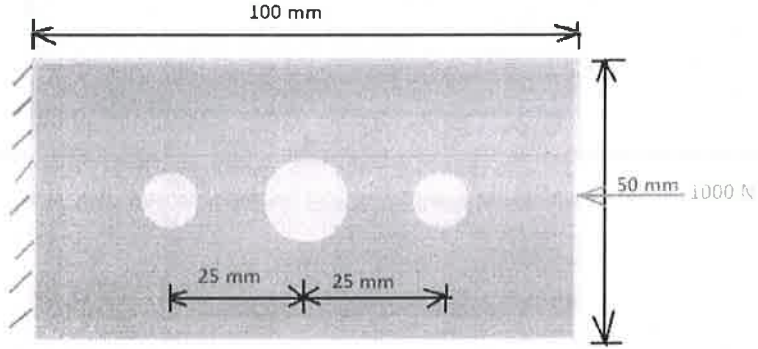
**Test on Hands on Training-Computer Aided Engineering (CAE) - Ansys 13.0**

**Academic Year: 2017-18**

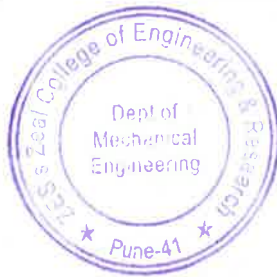
**SEM-I**

**Time: 2 Hrs**

**Marks: 50**

<p>Q.1 Determine the stress distribution over plate shown in fig</p> 	<p>20 M</p>
<p>Q2 Consider a metallic rod of length 0.3m temp at left end is 28°C and right end is cold air at temp.-15°C take K= 0.7W/m<sup>0</sup>k Check temperature distribution.</p> <p>1      [ 1 ]      2      [ 2 ]      3</p> <p>----- X -----</p>	<p>30 M</p>

*[Signature]*  
**Course Coordinator**



*[Signature]*  
**Head of Department**  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041





**Test on Hands on Training-Computer Aided Engineering (CAE) - Ansys 13.0**

**Academic Year: 2017-18**

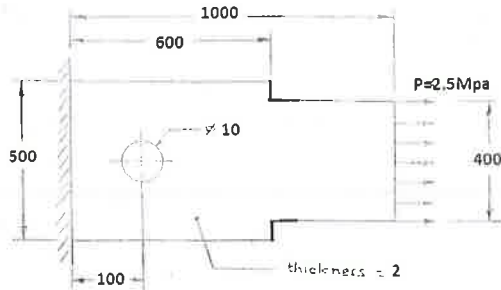
**SEM-I**

**Time: 2 Hrs**

**Marks: 50**

Q.1 Determine the stress distribution over plate shown in fig

20 M



**Problem statement:** Consider the cantilever beam with a square cross section as seen in the figure 1. The beam has 8kN force acting downwards at point B and uniformly distributed load of 2 kN/m on the entire 4 m span. It is clamped to the surface at point A. Following are the beam dimensions and material properties.

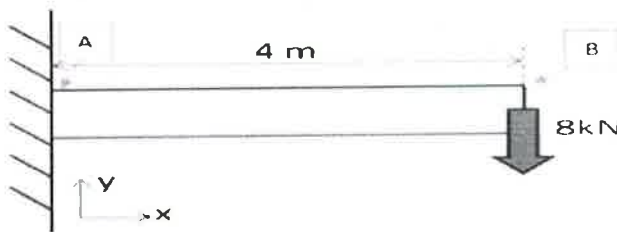
30 M

Length = 4 m

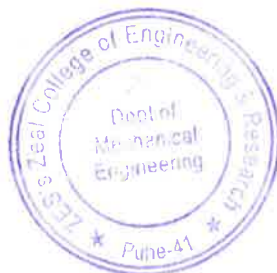
Square cross section with a side of 0.2 m.

E = 300 GPa

UDL of 2 kN/m



  
**Course Coordinator**



  
**Head of Department**  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041





ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,

NARHE | PUNE - 41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING

Evaluation Details of Hands on training on Computer Aided Engineering (CAE) - Ansys 13.0

Academic Year: 2017-18 SEM-**II**  
Duration of Course: 54 Hours (03/07/2017 to 08/08/17)

S.N.	Name	Geometry Creation (30)	Boundary Condition (10)	Result Obtained (10)	Total Marks (50)
1	CHAVAN SUYOG KRISHNAT	28	08	08	44
2	DESHMUKH VAIBHAV GOPALRAO	25	08	07	40
3	DESHMUKH YUVRAJ SHESHRAO	28	08	08	44
4	DHAKE TEJAS ASHOK	20	05	08	33
5	DHUMAL SANKET SHAM	22	06	07	35
6	DUPARGUDE MANOJ JAGDEV	27	07	08	42
7	GATADE SACHIN VITTHAL	25	06	07	38
8	GHEWARE SHUBHAM SUNIL	24	05	06	35
9	GHODAKE VIKAS DHANRAJ	22	05	07	34
10	GURAV PRAVIN CHANDRAKANT	23	04	07	34
11	HARKE SHUBHAM SANJAY	20	05	08	33
12	HOLKAR ROHIT GORAKH	27	07	08	42
13	HUDDAR AMEYA SADANAND	28	08	09	45
14	BORUDE PAWAN BALASAHEB	25	06	07	38
15	BANSODE BABASAHEB UTTAM	26	07	08	41
16	BHOREKAR AMOL VILAS	28	09	10	47
17	RAUT VAIBHAV PRATAPRAO	24	05	07	36
18	DHULE PAWAN SHANKAR	25	06	07	38
19	DESHPANDE OJAS	27	07	08	42
20	GAIKWAD KOMESH CHANDRAKANT	21	05	06	32
21	KARAN DAYASHANKAR KUSHAWAHA	25	06	08	39
22	SHUBHAM SUNIL KARANDE	27	07	08	42
23	BALKRUSHANA BABU KASTURE	25	06	07	38
24	GAURAV MADHUKAR KESARKAR	24	05	06	35
25	CHAITANYA KHADE	22	05	07	34
26	RAJESH LAHU KHATOKAR	23	04	06	34
27	VARSHA KHIRADE	20	05	07	34
28	OMKAR RAJENDRA KHUNE	26	07	08	41
29	PRAYAG KHUTWAD	27	07	09	43
30	SURAJ BALIRAM KINHALE	24	05	07	36



Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering



ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,

NARHE | PUNE - 41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING

Course Coordinator

Head of Department

Evaluation Details of Hands on training on Computer Aided Engineering (CAE) - Ansys 13.0

Academic Year: 2017-18 SEM-II

Duration of Course: 54 Hours (03/07/2017 to 08/08/17)

S.N.	Name	Geometry Creation (30)	Boundary Condition (10)	Result Obtained (10)	Total Marks (50)
1	TUSHAR SHIVAJI RAUT	28	09	09	46
2	ABHIJEET RAYKAR	26	07	08	41
3	KARAN SHIVAJI REDEKAR	25	07	07	39
4	RUDRUK AKSHAY	27	08	08	43
5	SANMESH SABALE	24	07	08	39
6	MOHIT SALUNKHE	23	07	06	36
7	AKSHAY ROHIDAS SARGAR	27	08	08	43
8	AMOL SATPUTE	25	07	07	39
9	SHAMSHODDIN SAUDAGAR	28	09	10	47
10	ANIRUDDHA SAWANT	22	07	07	36
11	DIGVIJAY DILIP SAWANT	27	08	08	43
12	FAIJAL SAYYAD	23	07	08	38
13	SUSHANT SHINDE	26	08	09	43
14	YOGESH SHINDE	28	09	10	47
15	SONKAMBLE PRADIP BABU	27	08	08	43
16	AJIM SALIM SUTAR	26	07	08	41
17	HARSHAD TANWADE	25	07	08	40
18	SUSHANT DILIP TELAWADE	27	08	08	43
19	VARACHHE BHUSHAN DIGAMBAR	26	08	09	43
20	RAHUL VAVALE	25	07	07	39
21	DESHMUKH YASH	22	07	07	36
22	DHARMIK SAGAR	28	10	10	48
23	DHUMAL AKSHAY UDAYSING	27	09	08	44
24	EKKE CHINMAY RAMESH	29	09	09	47
25	GADE KARAN AJINATH	25	07	07	39
26	GAWALI AKASH	26	08	07	41
27	GHARAT VEDANT	25	07	08	40
28	GHORPADE ANIKET GOPAL	27	08	08	43
29	GURSALI AJAY	25	07	08	40



Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
Pune-41



ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,

NARHE | PUNE - 41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING

Course Coordinator

Head of Department

Evaluation Details of Hands on training on Computer Aided Engineering (CAE) - Ansys 13.0

Academic Year: 2017-18 SEM-II

Duration of Course: 54 Hours (03/07/2017 to 08/08/17)

S.N.	Name	Geometry Creation (30)	Boundary Condition (10)	Result Obtained (10)	Total Marks (50)
1	INAMDAR SOHEL	26	08	09	43
2	JADHAV DIPAK	25	07	08	40
3	JADHAV TEJAS SURESH	28	08	09	45
4	KADAM AKSHAY PRADIP	24	07	07	38
5	KALE SHUBHAM SANJAY	27	08	07	42
6	KALVANKAR SWAPNIL SAKHARAM	28	09	09	46
7	KANADE PARESH MAHESH	23	07	06	36
8	KANHERKAR RAJESH	27	08	09	44
9	KARANDE AKSHAY SATISH	26	08	09	43
10	KULKARNI ATHARVA NITIN I	24	07	07	38
11	KULKARNI SHASHANK ANAND	22	06	07	35
12	KUMBHAR MAYURESH RAJENDRA	27	08	07	42
13	KUTE DATTA KRISHNA	28	09	09	46
14	BONGALE RAMANAND ASHOK	23	07	06	36
15	UNWANE DNYANRAJ MAHADEVRAO	26	09	08	44
16	ALDAR VAIBHAV PANDURANG	27	07	08	42
17	SHAIKH SOHIL IQBAL	28	09	09	46
18	MANDLIK SURAJ NIVRUTI	25	08	08	41
19	KAMBLE NIRAJ	24	07	08	39
20	POMAN SAGAR ASHOK	23	07	07	37
21	AKASH PATIL	26	08	09	43
22	KAKASAHEB PATIL	25	07	08	40
23	PRAVIN PATIL	24	07	07	38
24	SIDDHESH PATIL	26	08	09	43
25	AKSHAY VITTHAL PAWAR	28	09	10	47

Course Coordinator



Head of Department

Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041





**Hands on Training Summary Report**

Academic Year: 2017-18


Semester: I

Class: BE

<b>Title of Activity/Event</b>	<b>Hands on Training on Computer Aided Engineering (CAE) - Ansys 13.0</b>
<b>Date of Activity/Event</b>	03/07/2017 to 08/08/2017
<b>Name of Expert/Trainer</b>	Prof. M.R. Kalyanshetti, Prof .Adewar S.S
<b>Objective</b>	The objective of this program were hands on practice on Ansys workbench, study of FEM, Static Structural Analysis, Modal Analysis and thermal analysis for solving complex engineering problems.
<b>Summary</b>	<p>Hands on training on <b>Computer Aided Engineering (CAE) - Ansys 13.0</b> were successfully conducted for final year engineering (Mechanical Engineering Department, ZCOER Pune). This training is the part of skill development of the final year students to enhance their skill in CAE domain. This was conducted from 03/07/2017 to 08/08/2017 with 54 hr duration. Total 84 students were participated in these hands on training. The resource person for this training was Prof. Adewar S.S. &amp; Prof. M.R. Kalyanshetti and following domain was covered through this training.</p> <ol style="list-style-type: none"> <li>1. GUI Ansys Workbench</li> <li>2. Creating Geometry</li> <li>3. Structural Analysis.</li> <li>4. Model Analysis.</li> <li>5. Thermal Analysis.</li> </ol> <p>The program was coordinated by Prof. M.R. Kalyanshetti. under the guidance and support of Head of Department, Mechanical Engineering Department and staff of Mechanical Engineering Department. The Program was organized under CAD CAM CAE Excellence center.</p>
<b>Outcomes</b>	<p>The students benefited with the following outcomes from this course</p> <ol style="list-style-type: none"> <li>1. Study of GUI Ansys Workbench with the tools and techniques using ANSYS software</li> <li>2. Full hands-on training on FEA analysis.</li> <li>3. Solving the complex engineering problems from various domains such as structural, thermal.</li> </ol>

Signature of Coordinator



  
**Head of Department**  
 Dept. of Mechanical Engineering  
 ZES's Zeal College of Engineering  
 & Research, Pune-411 041



# CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO  
CHAVAN SUYOG KRISHNAT

Has successfully completed the Hands-On training course of  
Computer Aided Engineering CAE Ansys 13.0

The course was scheduled from 03/07/2017 to 08/08/2017  
under CAD CAM CAE Excellence center at the Department of  
Mechanical Engineering Zeal College of Engineering and  
Research Pune.

**Dr. A. B. Ubale**  
HEAD-OF-DEPARTMENT

**Dr. A. M. Kate**  
PRINCIPAL







**Hands on training on Computer Aided Engineering (CAE) - Ansys 13.0**

**Index**

<b>Sr. No</b>	<b>Particulars</b>
1	Course Details
2	Course Content
3	Notice
4	List of students enrolled
5	Schedule
6	Student attendance
7	Evaluation Details
8	Activity Summary Report
9	Certificate




**COURSE DETAILS**

1	Course Name	<b>Computer Aided Engineering (CAE) - Ansys 13.0</b>
2	Duration	60 Hrs (05/02/2018 to 27/03/2018)
3	Learners	BE
4	Students enrolled	71
5	Details of Trainers	Prof. M.R. Kalyanshetti, Prof .Adewar S.S,
6	No. of Batches	3
7	Schedule	Batch 1: 9.00 am to 11.00 am
		Batch 2: 11.30 am to 01.30 pm
		Batch 3: 3.00 pm to 5.00 pm



  
Course Coordinator

  
**Head of the Department**  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



Syllabus with Training Schedule (Ansys)

Day	Content	Week
	<b>Part</b>	
1	Introduction to FEM/FEA concepts, Introduction to Ansys, Creating geometry, Generation of key points, lines	Week-1
2	Extruding areas, lines & key points, Work plane management, coordinate systems	
3	Performing Boolean operations (Add, subtract, intersect)	
4	Boolean operation- (divide, glue, partition, overlap)	
5	Move/modify	
6	Copy& reflect geometries	Week-2
7	Check geometric properties	
8	Import geometry from other CAD software	
9	Explaining about nodes & elements, Types of mesh-Free& mapped meshing	
10	Explaining about mesh attributes. Size controls	Week-3
11	Meshing key points, lines, areas & volumes	
12	Mapped meshing, Mesh concatenation	
13	Mesh extrusion	
14	Mesh sweeping	
15	Hexa – tetra conversion	Week-4
16	Define loading & boundary conditions	
17	Different types of loads, Different types of constraints	
18	Introduction to Static Structural Analysis	
19	Beam analysis	
20	Truss analysis, Stresses in bars	Week-5
21	Stresses in composite bars	
22	strain energy calculations	
23	Finding out reaction solutions	
24	Modal analysis	Week-6
25	Harmonic analysis	
26	Thermal analysis	
27	CASE STUDY-1	
28	CASE STUDY-2	
29	Test-1	
30	Test-2	

Course Coordinator





**Notice (Hands on Training)**


Date: 15/01/2018

Department of Mechanical Engineering launching special Hands on Training program on **Computer Aided Engineering (CAE) - Ansys 13.0** for BE students.

The interested students can register to department before 21/01/2018.

  
**Course Coordinator**



  
**Head of the Department**  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041





**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH,**  
**NARHE | PUNE - 41 | INDIA**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) -Ansys 13.0**

**List of the Students Enrolled for Hands on training on Computer Aided Engineering (CAE) -  
Ansys 13.0**


**Academic Year: 2017-18      SEM-II**

**Duration of Course: 60 Hours (05/02/18 to 27/03/18)**

S.N.	Name
1	CHAUDHARI KRUSHNA MOHAN
2	CHAVAN RUTURAJ ANIL
3	GADE GANESH BALASAHEB
4	GAIKWAD TEJAS VISHAL
5	GANAGE SAMADHAN PARMESHWAR
6	GHOHARE ROHAN NARAYAN
7	CHANDRATRE NEERAJ CHINTAMANI
8	YASH NITIN MATE
9	SHUBHAM KALYAN MULIK
10	KULKARNI SARANG SUHAS
11	GAVALI ARUN DADA
12	BHUSHAN PRABHAKAR PATIL
13	PATIL KAILAS LAXMAN
14	VISHAL SHETKAR
15	MAYUR SHIVAJI SHILIMKAR
16	PARTH SHILIMKAR
17	AMOL SHINDE
18	SIDDHARTH THIGALE
19	BHALCHANDRA NATHU WALGUDE
20	OMKAR YADAV SOLASKAR

  
**Course Coordinator**



  
**Head of Department**  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH,**  
**NARHE | PUNE - 41 | INDIA**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) -Ansys 13.0**

**List of the Students Enrolled for Hands on training on Computer Aided Engineering (CAE) - Ansys 13.0**


**Academic Year: 2017-18      SEM-II**

**Duration of Course: 60 Hours (05/02/18 to 27/03/18)**

S.N.	Name
1	ADATE VIKAS PANDURANG
2	ADEP AMOL YADGIRI
3	AGARWAL VAIBHAV PANKAJ
4	ANDRE MANISHA ANANTA
5	AUTI SUHAS GANPAT
6	AVHAD ABHIJEET SADASHIV
7	BANKAR ASHUTOSH DNYANESHWAR
8	BANSODE SUJIT PRAVIN
9	BARDE ATMARAM GOPALKRUSHNA
10	BELHEKAR DHIRAJ PRAKASH
11	PAWAR ANIKET PRAKASH
12	LONDHE SIDDHANT ATMARAM
13	KELKAR ADWAIT RAVINDRA
14	NURUTE MANOJ TANAJI
15	MOHAN YUVRAJ PATIL
16	SURAJ RAMCHANDRA PATIL
17	SUSHANT PATIL
18	VINAYAK PATIL
19	SHUBHANKAR VIJAY POWAR
20	BAGAL MANOJ
21	BHARMAL RAVINDRA
22	BHAT MITHILESH JITENDRA
23	BHOSALE RUSHIKESH
24	BHOSALE VIKRANT
25	CHANDOLKAR GAJANAN RAMRAO
26	CHAUDHARI APURV RAVINDRA

  
**Course Coordinator**



  
**Head of Department**  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH,**  
**NARHE | PUNE - 41 | INDIA**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) -Ansys 13.0**

**List of the Students Enrolled for Hands on training on Computer Aided Engineering (CAE) - Ansys 13.0**


**Academic Year: 2017-18      SEM-II**

**Duration of Course: 60 Hours (05/02/18 to 27/03/18)**

S.N.	Name
1	BHAGAT ROHIT NATHU
2	BHANDE SAURABH ARUN
3	BHINTADE GANESH ASHOK
4	BHOJANE SHUBHAM NATHURAM
5	BHOLE PRATIK PRAKASHRAO
6	BHORADE AKSHAY PRAKASH
7	BHORE SARANG RAJENDRA
8	BHOS NIKHIL BAPU
9	BHOSALE RUSHIKESH SANJAY
10	BHOSKAR AKSHAY RAJARAM
11	BIRAJDAR SANDESH KAMLAKAR
12	CHANDANE ABHISHEK SUNIL
13	MANE AMIT BHARAT
14	KADAM GANESH ANIL
15	KADAM TUSHAR DILIP
16	KADU AKASH NARAYAN
17	KAMBLE SAHIL MAHESH
18	KARALE ROHIT SUNIL
19	KARAMBLE SHUBHAM PRADEEP
20	KAUSTUBH JITENDRA PURANIK
21	CHAUDHARI PIYUSH VIJAY
22	CHAUDHARI TEJAN
23	CHAVAN PRAVIN ASHOK
24	CHAUDHARI VINOD
25	DAHALE VAIBHAV MADHAV

  
**Course Coordinator**



  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



## Notice (Hands on Training)

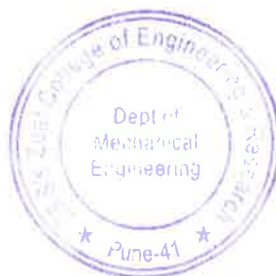
Date: 25/01/2018

All the enrolled students for Hands on Training program on **Computer Aided Engineering (CAE) - Ansys 13.0** are hereby informed that training is scheduled from 05/02/2018 to 27/03/2018. The batch wise schedule is given below,

SN	Batch	Time
1	Batch 1	9.00 am to 11.00 am
	Batch 2	11.30 am to 01.30 pm
	Batch 3	3.00 pm to 5.00 pm

The batch wise list of enrolled students is displayed on Notice board.

  
Course Coordinator



  
Head of the Department  
**Head of Department**  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041





ZEAL EDUCATION SOCIETY'S  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

**List of the Students Enrolled for Hands-on-Training on Computer Aided Engineering (CAE) - Ansys 13.0**

**Academic Year: 2017-18**

**Duration of Course: 60 Hours (05/02/18 to 27/03/18)**

**SEM-II**

Sr. No.	Name	05/02	06/02	07/02	08/02	12/02	13/02	14/02	15/02	19/02	20/02	21/02	22/02	26/02	27/02	28/02
1	Chaudhari Krushna Mohan	A	P	P	P	A	P	P	A	P	P	P	P	P	A	A
2	Chavan Ruturaj Anil	P	A	P	A	P	P	P	A	P	P	A	P	A	P	A
3	Gade Ganesh Balasaheb	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P
4	Gaikwad Tejas Vishal	P	P	P	P	A	P	A	P	P	P	P	P	A	P	P
5	Ganage Samadhan Parmeshwar	A	P	P	A	P	P	P	P	P	P	P	P	P	A	A
6	Ghogare Rohan Narayan	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P
7	Chandratre Neeraj Chintamani	A	P	P	P	A	P	P	P	P	P	P	P	A	P	P
8	Yash Nitin Mate	P	P	A	A	P	P	P	P	A	P	A	P	P	A	A
9	Shubham Kalyan Mulik	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P
10	Kulkarni Sarang Suhas	A	P	P	P	P	P	A	P	A	P	P	P	A	P	P
11	Gavali Arun Dada	P	P	P	P	A	P	P	P	P	P	A	P	A	A	P
12	Bhushan Prabhakar Patil	P	A	P	A	P	P	P	A	P	A	P	P	P	P	A
13	Patil Kailas Laxman	P	P	A	P	P	P	P	P	P	P	P	A	P	A	P
14	Vishal Shetkar	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
15	Mayur Shivaji Shilimkar	A	P	P	A	P	P	P	A	P	P	A	P	P	P	P
16	Parth Shilimkar	P	P	A	P	P	P	A	P	P	A	P	P	P	P	A
17	Amol Shinde	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P





ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING

HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0

Sr. No.	Name	05/02	06/02	07/02	08/02	12/02	13/02	14/02	15/02	19/02	20/02	21/02	22/02	26/02	27/02	28/02
18	Siddharth Thigale	P	A	P	A	P	P	P	P	P	P	A	P	P	A	P
19	Bhalchandra Nathu Walgude	P	P	P	P	A	P	P	A	P	A	P	P	P	A	A
20	Omkar Yadav Solaskar	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P

Course Co-ordinator



Head of Department  
Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



ZEAL EDUCATION SOCIETY'S  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

**List of the Students Enrolled for Hands-on-Training on Computer Aided Engineering (CAE) - Ansys 13.0**

**Academic Year: 2017-18**

**Duration of Course: 60 Hours (05/02/18 to 27/03/18)**

**SEM-II**

Sr. No.	Name	01/03	05/03	06/03	07/03	08/03	12/03	13/03	14/03	15/03	19/03	20/03	21/03	22/03	26/03	27/03
1	Chaudhari Krushna Mohan	P	A	P	P	P	P	A	P	P	A	P	A	P	P	A
2	Chavan Raturaj Anil	P	B	P	P	P	P	P	P	A	P	P	P	P	P	P
3	Gade Ganesh Balasaheb	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
4	Gaikwad Tejas Vishal	A	P	A	P	P	P	A	P	P	P	P	A	P	P	P
5	Ganage Samadhan Parmeshwar	P	A	P	P	P	A	P	P	P	P	A	P	P	P	A
6	Ghogare Rohan Narayan	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A
7	Chandratre Neeraj Chintamani	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P
8	Yash Nitin Mate	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P
9	Shubham Kalyan Mulik	P	P	P	P	A	P	P	P	A	A	P	P	P	P	P
10	Kulkarni Sarang Suhas	P	A	P	P	P	P	P	A	P	A	P	P	P	P	P
11	Gavali Arun Dada	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
12	Bhushan Prabhakar Patil	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P
13	Patil Kailas Laxman	P	P	P	A	A	P	P	P	A	P	A	P	P	P	P
14	Vishal Shetkar	P	P	P	P	A	P	P	P	A	P	A	P	P	P	P
15	Mayur Shivaji Shilimkar	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
16	Parth Shilimkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P





ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING

HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0

Sr. No.	Name	01/03	05/3	06/3	07/03	08/03	12/03	13/03	14/03	15/03	19/03	20/03	21/03	22/03	26/03	27/03
17	Amol Shinde	P	P	A	P	P	A	P	P	P	P	P	P	P	P	A
18	Siddharth Thigale	A	P	P	P	A	P	A	P	P	P	P	A	P	P	P
19	Bhalchandra Nathu Walgude	P	P	P	A	P	P	P	A	P	A	P	A	P	A	A
20	Omkar Yadav Solaskar	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P



*[Signature]*

Course Co-ordinator

*[Signature]*  
Head of Department  
Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041





**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

**List of the Students Enrolled for Hands-on-Training on Computer Aided Engineering (CAE) - Ansys 13.0**  
**SEM-II**

**Academic Year: 2017-18**

**Duration of Course: 60 Hours (05/02/18 to 27/03/18)**

Sr. No.	Name	05/02	06/02	07/02	08/02	12/02	13/02	14/02	15/02	19/02	20/02	21/02	22/02	26/02	27/02	28/02
1	Adate Vikas Pandurang	P	P	P	P	A	P	P	P	A	A	P	P	P	P	A
2	Adep Amol Yadgiri	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
3	Agarwal Vaibhav Pankaj	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P
4	Andre Manisha Ananta	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P
5	Auti Suhas Ganpat	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Avhad Abhijeet Sadashiv	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
7	Bankar Ashutosh Dnyaneshwar	A	P	P	P	P	P	A	P	P	P	P	P	A	P	P
8	Bansode Sujit Pravin	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P
9	Barde Atmaram Gopalkrushna	P	A	P	A	P	P	P	A	P	P	P	P	P	P	P
10	Belhekar Dhiraj Prakash	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Pawar Aniket Prakash	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P
12	Londhe Siddhant Atmaram	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
13	Kelkar Adwait Ravindra	P	P	P	P	A	A	P	P	P	P	P	P	A	P	A
14	Nurute Manoj Tanaji	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P
15	Mohan Yuvraj Patil	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P
16	Suraj Ramchandra Patil	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P





ZEAL EDUCATION SOCIETY  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING

HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0

Sr. No.	Name	05/0	06/02	07/02	08/02	12/02	13/02	14/02	15/02	19/02	20/02	21/02	22/02	26/02	27/02	28/02
17	Sushant Patil	P	A	P	A	P	A	P	A	P	P	P	P	P	P	A
18	Vinayak Patil	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Shubhankar Vijay Powar	P	A	P	P	P	P	P	P	A	A	A	P	P	P	P
20	Bagal Manoj	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
21	Bharmal Ravindra	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
22	Bhat Mithilesh Jitendra	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A
23	Bhosale Rushikesh	A	P	P	P	P	P	P	P	A	A	A	P	P	P	P
24	Bhosale Vikrant	P	A	P	P	P	P	P	P	P	P	P	A	A	P	P
25	Chandolkar Gajanan Ramrao	A	P	A	P	P	A	P	P	P	P	P	P	P	P	A
26	Chaudhari Apurv Ravindra	P	P	P	A	P	P	P	P	P	A	P	A	P	P	P

Course Co-ordinator



  
Head of Department  
Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041





ESTD-1996  
ZCOER  
PUNE

ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING

HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0

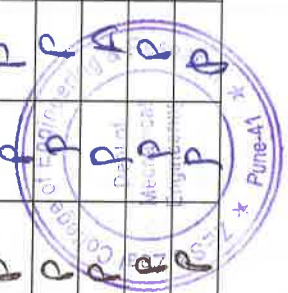
List of the Students Enrolled for Hands-on-Training on Computer Aided Engineering (CAE) - Ansys 13.0

Academic Year: 2017-18

Duration of Course: 60 Hours (05/02/18 to 27/03/18)

SEM-II

Sr. No.	Name	01/03	05/3	06/3	07/03	08/03	12/03	13/03	14/03	15/03	19/03	20/03	21/03	22/03	26/03	27/03
1	Adate Vikas Pandurang	A	P	P	A	P	P	P	P	P	P	P	A	P	P	P
2	Adep Amol Yadgiri	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P
3	Agarwal Vaibhav Pankaj	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Andre Manisha Ananta	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P
5	Auti Suhas Ganpat	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
6	Avhad Abhijeet Sadashiv	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
7	Bankar Ashutosh Dnyaneshwar	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Bansode Sujit Pravin	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
9	Barde Atmaram Gopalkrushna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Belhekar Dhiraj Prakash	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
11	Pawar Aniket Prakash	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Londhe Siddhant Atmaram	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
13	Kelkar Adwait Ravindra	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
14	Nurute Manoj Tanaji	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Mohan Yuvraj Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Suraj Ramchandra Patil	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Sushant Patil	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P





ZEAL EDUCATION SOCIETY'S  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
 NARHE | PUNE -41 | INDIA  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**HANDS-ON-TRAINING ON Computer Aided Engineering (CAE) - Ansys 13.0**

**List of the Students Enrolled for Hands-on-Training on Computer Aided Engineering (CAE) - Ansys 13.0**

**Academic Year: 2017-18**

**Duration of Course: 60 Hours (05/02/18 to 27/03/18)**

**SEM-II**

Sr. No.	Name	05/02	06/02	07/02	08/02	12/02	13/02	14/02	15/02	19/02	20/02	21/02	22/02	26/02	27/02	28/02
1	Bhagat Rohit Nathu	P	A	P	P	P	A	P	P	A	P	P	P	P	P	P
2	Bhanded Saurabh Arun	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
3	Bhintade Ganesh Ashok	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P
4	Bhojane Shubham Nathuram	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P
5	Bhole Pratik Prakashrao	A	P	P	P	A	P	P	P	P	P	A	P	A	P	P
6	Bhorade Akshay Prakash	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Bhore Sarang Rajendra	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
8	Bhos Nikhil Babu	P	P	P	A	P	A	P	P	P	P	P	P	P	A	P
9	Bhosale Rushikesh Sanjay	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
10	Bhoskar Akshay Rajaram	A	P	P	P	A	P	P	A	P	P	P	P	P	P	A
11	Birajdar Sandesh Kamlakar	P	P	P	A	A	P	A	P	P	A	P	P	P	P	P
12	Chandane Abhishek Sunil	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P
13	Mane Amit Bharat	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
14	Kadam Ganesh Anil	A	A	P	P	P	P	P	P	P	P	P	P	A	P	P
15	Kadam Tushar Dilip	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Kadu Akash Narayan	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P
17	Kamble Sahil Mahesh	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P







Test on Hands on Training-Computer Aided Engineering (CAE) - Ansys 13.0

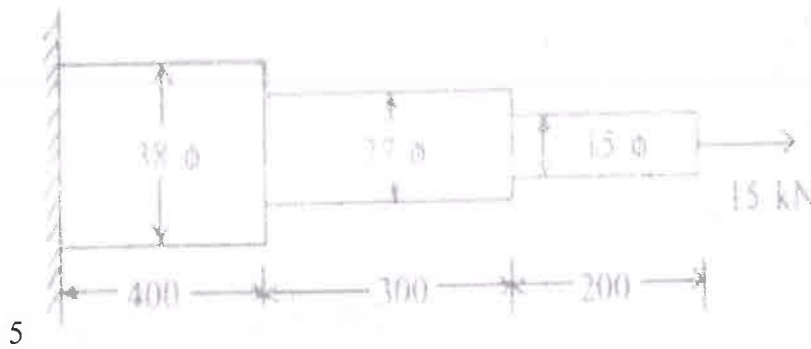
Academic Year: 2017-18 SEM-II

Time: 2 Hrs

Marks: 50

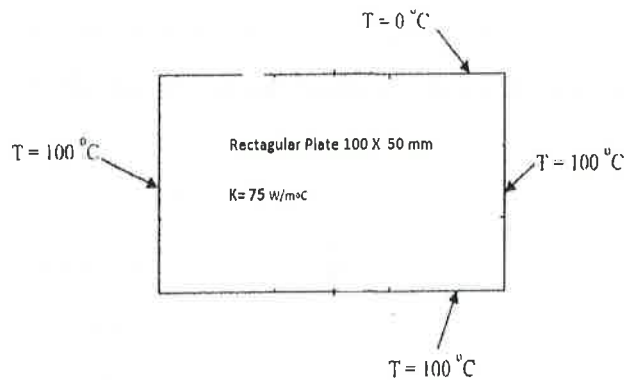
Q.1 For the figure shown below find displacement of each node and reaction at support.  $E=210\text{Gpa}$ . All dimensions are in mm. use link or bar element

20 M

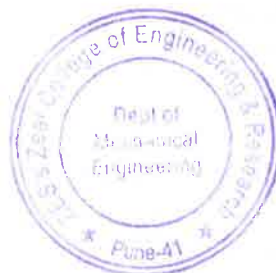


Q.2 A rectangular plate is subjected to temperatures on the boundary as shown. Find the temperature distribution inside the plate.

30 M



Course Coordinator



Head of Department  
Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,

NARHE | PUNE - 41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING

Evaluation Details of Hands on training on Computer Aided Engineering (CAE) - Ansys 13.0

Academic Year: 2017-18 SEM-II

Duration of Course: 60 Hours (05/02/18 to 27/03/18)

S.N.	Name	Geometry Creation (30)	Boundary Condition (10)	Result Obtained (10)	Total Marks (50)
1	CHAUDHARI KRUSHNA MOHAN	20	09	08	37
2	CHAVAN RUTURAJ ANIL	22	08	07	37
3	GADE GANESH BALASAHEB	26	09	08	43
4	GAIKWAD TEJAS VISHAL	24	08	07	39
5	GANAGE SAMADHAN PARMESHWAR	25	08	07	40
6	GHOHARE ROHAN NARAYAN	21	09	08	38
7	CHANDRATRE NEERAJ CHINTAMANI	18	07	07	32
8	YASH NITIN MATE	19	08	08	35
9	SHUBHAM KALYAN MULIK	22	09	09	40
10	KULKARNI SARANG SUHAS	26	08	08	42
11	GAVALI ARUN DADA	27	09	08	44
12	BHUSHAN PRABHAKAR PATIL	26	08	07	41
13	PATIL KAILAS LAXMAN	23	07	06	36
14	VISHAL SHETKAR	22	09	08	39
15	MAYUR SHIVAJI SHILIMKAR	24	08	09	41
16	PARTH SHILIMKAR	21	08	08	37
17	AMOL SHINDE	18	07	07	30
18	SIDDHARTH THIGALE	18	07	08	33
19	BHALCHANDRA NATHU WALGUDE	25	08	08	41
20	OMKAR YADAV SOLASKAR	26	09	09	44

Course Coordinator



Head of Department  
Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,

NARHE | PUNE - 41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING

Evaluation Details of Hands on training on Computer Aided Engineering (CAE) - Ansys 13.0

Academic Year: 2017-18 SEM-II

Duration of Course: 60 Hours (05/02/18 to 27/03/18)

S.N.	Name	Geometry Creation (30)	Boundary Condition (10)	Result Obtained (10)	Total Marks (50)
1	ADATE VIKAS PANDURANG	24	08	08	40
2	ADEP AMOL YADGIRI	23	09	07	39
3	AGARWAL VAIBHAV PANKAJ	24	08	09	41
4	ANDRE MANISHA ANANTA	26	09	08	43
5	AUTI SUHAS GANPAT	22	07	07	36
6	AVHAD ABHIJEET SADASHIV	24	06	07	37
7	BANKAR ASHUTOSH DNYANESHWAR	25	08	09	42
8	BANSODE SUJIT PRAVIN	21	09	08	38
9	BARDE ATMARAM GOPALKRUSHNA	26	08	09	43
10	BELHEKAR DHIRAJ PRAKASH	20	08	08	36
11	PAWAR ANIKET PRAKASH	25	09	08	42
12	LONDHE SIDDHANT ATMARAM	27	09	09	45
13	KELKAR ADWAIT RAVINDRA	24	08	07	39
14	NURUTE MANOJ TANAJI	26	09	08	43
15	MOHAN YUVRAJ PATIL	24	08	08	40
16	SURAJ RAMCHANDRA PATIL	25	07	07	39
17	SUSHANT PATIL	23	08	08	39
18	VINAYAK PATIL	26	08	08	42
19	SHUBHANKAR VIJAY POWAR	18	07	08	33
20	BAGAL MANOJ	19	08	07	34
21	BHARMAL RAVINDRA	21	08	08	37
22	BHAT MITHILESH JITENDRA	18	07	07	32
23	BHOSALE RUSHIKESH	25	09	08	42
24	BHOSALE VIKRANT	23	08	07	38
25	CHANDOLKAR GAJANAN RAMRAO	26	09	09	44
26	CHAUDHARI APURV RAVINDRA	24	08	08	40



Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041



ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,

NARHE | PUNE - 41 | INDIA  
DEPARTMENT OF MECHANICAL ENGINEERING

Course Coordinator

Head of Department

Evaluation Details of Hands on training on Computer Aided Engineering (CAE) - Ansys 13.0

Academic Year: 2017-18 SEM-II

Duration of Course: : 60 Hours (05/02/18 to 27/03/18)

S.N.	Name	Geometry Creation (30)	Boundary Condition (10)	Result Obtained (10)	Total Marks (50)
1	BHAGAT ROHIT NATHU	23	08	09	40
2	BHANDE SAURABH ARUN	22	08	07	37
3	BHINTADE GANESH ASHOK	24	09	08	41
4	BHOJANE SHUBHAM NATHURAM	20	08	08	36
5	BHOLE PRATIK PRAKASHRAO	21	07	07	35
6	BHORADE AKSHAY PRAKASH	26	08	07	41
7	BHORE SARANG RAJENDRA	27	09	09	45
8	BHOS NIKHIL BAPU	21	07	08	36
9	BHOSALE RUSHIKESH SANJAY	17	06	07	30
10	BHOSKAR AKSHAY RAJARAM	19	08	08	35
11	BIRAJDAR SANDESH KAMLAKAR	24	07	08	39
12	CHANDANE ABHISHEK SUNIL	26	09	08	43
13	MANE AMIT BHARAT	25	08	08	41
14	KADAM GANESH ANIL	19	07	08	34
15	KADAM TUSHAR DILIP	20	08	07	35
16	KADU AKASH NARAYAN	28	07	09	41
17	KAMBLE SAHIL MAHESH	24	08	08	40
18	KARALE ROHIT SUNIL	23	07	38	38
19	KARAMBLE SHUBHAM PRADEEP	24	08	08	40
20	KAUSTUBH JITENDRA PURANIK	26	07	07	40
21	CHAUDHARI PIYUSH VIJAY	23	09	08	40
22	CHAUDHARI TEJAN	24	07	08	39
23	CHAVAN PRAVIN ASHOK	25	08	08	41
24	CHAUDHARI VINOD	24	07	08	39
25	DAHLE VAIBHAV MADHAV	28	08	09	42

Course Coordinator



Head of Department  
Dept. of Mechanical Engineering  
ZES's Zeal College of Engineering  
& Research, Pune-411 041





**Hands on Training Summary Report**

**Academic Year: 2017-18**

**Semester: II**

**Class: BE**

<b>Title of Activity/Event</b>	<b>Hands on Training on Computer Aided Engineering (CAE) - Ansys 13.0</b>
<b>Date of Activity/Event</b>	05/02/2018 to 27/03/2018
<b>Name of Expert/Trainer</b>	Prof. M.R. Kalyanshetti, Prof .Adewar S.S
<b>Objective</b>	The objective of this program were hands on practice on Ansys workbench, study of FEM, Static Structural Analysis, Modal Analysis and thermal analysis for solving complex engineering problems.
<b>Summary</b>	<p>Hands on training on <b>Computer Aided Engineering (CAE) - Ansys 13.0</b> were successfully conducted for final year engineering (Mechanical Engineering Department, ZCOER Pune). This training is the part of skill development of the final year students to enhance their skill in CAE domain. This was conducted from 05/02/2018 to 27/03/2018 with 60 hr duration. Total 71 students were participated in these hands on training. The resource person for this training was Prof. Adewar S.S. &amp; Prof. M.R. Kalyanshetti and following domain was covered through this training.</p> <ol style="list-style-type: none"> <li>1. GUI Ansys Workbench</li> <li>2. Creating Geometry</li> <li>3. Structural Analysis.</li> <li>4. Model Analysis.</li> <li>5. Thermal Analysis.</li> </ol> <p>The program was coordinated by Prof. M.R. Kalyanshetti. under the guidance and support of Head of Department, Mechanical Engineering Department and staff of Mechanical Engineering Department. The Program was organized under CAD CAM CAE Excellence center.</p>
<b>Outcomes</b>	<p>The students benefited with the following outcomes from this course</p> <ol style="list-style-type: none"> <li>1. Study of GUI Ansys Workbench with the tools and techniques using ANSYS software</li> <li>2. Full hands-on training on FEA analysis.</li> <li>3. Solving the complex engineering problems from various domains such as structural, thermal.</li> </ol>

**Signature of Coordinator**



**Head of Department**  
**Head of Department**  
 Dept. of Mechanical Engineering  
 ZES's Zeal College of Engineering  
 & Research, Pune-411 041



# CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO  
CHAUDHARI KRUSHNA MOHAN

Has successfully completed the Hands-On training course of  
Computer Aided Engineering CAE Ansys 13.0

The course was scheduled from 05/02/2018 to 27/03/2018  
under CAD CAM CAE Excellence center at the Department of  
Mechanical Engineering Zeal College of Engineering and  
Research Pune.

**Dr. A. B. Ubale**  
HEAD OF DEPARTMENT



**Dr. A. M. Kate**  
PRINCIPAL