



Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist.: Pune - 411041

Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in

Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.

DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



Prof.(Dr.)T. J.Sawant
D.E.E., B.E.(Electrical),Ph.D., MISTE
Founder - Secretary

Prof.(Dr.) R.K.Lad
B.E.(Civil),M.E.(Env.Engg.) Ph.D.(Engg.)
DIRECTOR

Date- 13th Aug 2020

NOTICE

All the third & final year students are here by informed that training program of ETABS will be starting from 16th Aug 2020. The students who are intersted for the training should enrolled their names to Prof D. A. Zamre

Prof. D.A. Zamre

Program Coordinator

Dr. S.A Choudhari

HOD
Head
Dept. of Civil Engg.
JSPM Narhe Techn. Campus,
Narhe, Pune - 41



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DIRECTOR

Course Name : Structural Design using ETAB's

Course Code : 20SDETAB

Instructor : Prof . D.A. Zamre

Prof . A. B Raut

CONTENTS

Session	Topic	Duration (Hrs)
Session 1	<ul style="list-style-type: none">• Introduction to Structural Engineering• Use of Computer Aided Design in Civil Engineering• Applications of ETABS• Introduction to Interface of ETABS• Creating a New File and how to save it• Some basic commands<ul style="list-style-type: none">○ Generation of Grid○ Editing Grid○ Editing Storey Data○ Insert Storey○ Edit Grid Data	03
Session 2	<ul style="list-style-type: none">• Introduction Support Systems in ETABS• Assigning Supports to Created Geometry• Creating Material Properties in ETABS• Defining Section Properties for Beams& Columns	02
Session 3	<ul style="list-style-type: none">• Practice Session for Geometry Creation	01
Session 4	<ul style="list-style-type: none">• Creating 2D Geometry of the Structure• Creating Beams Using Grid Created• Creating Columns• Creating Slab• Converting 2D Structure to 3D• Different Viewing Options in ETABS• Set Building View Command	02
Session 5	<ul style="list-style-type: none">• Practice Session	02
Session 6	<ul style="list-style-type: none">• Introduction to Types of Loads to be Applied on a Particular Building	02



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	<ul style="list-style-type: none">• Manual Load Calculations for The Given Project (by Trainer)• Calculations of Loads For All The Projects given(by Students)	
Session 7	<ul style="list-style-type: none">• Application of Dead Load And Live Load (Member Loads)<ul style="list-style-type: none">○ Wall Loads○ Parapet Load○ Stair-Case Load○ Projection Load○ Water Tank Wall Load	02
Session 8	<ul style="list-style-type: none">• Practice Sessions For Application of Member Loads	02
Session 9	<ul style="list-style-type: none">• Application of floor load dead as well as live load	02
Session 10	<ul style="list-style-type: none">• Practice Sessions For Application of Floor Loads	02
Session 11	<ul style="list-style-type: none">• Analysis of RCC structure and how to see<ul style="list-style-type: none">○ Bending Moment Diagram /Values○ Shear Force Diagram /Values○ Axial Force Diagram/Values○ Support Reactions	02
Session 12	<ul style="list-style-type: none">• RCC Design• How To See Failed Beams and Columns• Making All The Members Pass• Detailing Concepts Using ETABS Results	02
Session 13	<ul style="list-style-type: none">• Application of Earthquake Load & Wind Load	02
Session 14	<ul style="list-style-type: none">• Introduction to Shear Walls• Creating Shear walls• Assigning Material Properties and Section Properties to shear walls• Analysis and Design of shear wall	02
Session 15	<ul style="list-style-type: none">• Doubt Clearance sessions	02



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Photo Gallery

Q Search	Q Search
Samitinjay Bansode (me)	anjali jadhav (Host, me)
Pravin Wayal (Host)	(A-90) Siddharth Lukkad
(SE B 57) Bhushan Baburao Gaik...	(A) (TE A 23) Bhushan Baburao...
(SE_B_60) Ankita Kadu	APURVA SURYAWANSHI
#Mr.ABD-SE-B-23 Ashish Bankar	Kunal varade TE-B-84
A-20 Nikhil mane	Rohini Rajput TE-B-37
Aditya Randhir SE_113	RUTUJA AVHAD(TE-A-08)
Avinash Nanavare (SE B - 21)	RUTUJA BHAWARI
B-54 Amogh kengar	S191000101_Prasad Bhavsar
B-99-Shubham kayangude	Shubham Kharkè TE A - 83
b115 Agrawal omraj santosh	
Dnyaneshwari R Gaikwad SE A 44,	
Ilivas Shaikh SF-B-17	

Invite

Department of Civil Engineering
Course Name : Structural Design using ETAB's

Time : 3:30-5:30

Attendance Sheet

Sr No	Name of Students	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7	Session-8	Session-9	Session-10	Session-11	Session-12	Session-13	Session-14	Session-15
1	AMOGH KENGAR	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
2	NIKHIL MAINE	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
3	SIDDHARTH LUKKAD	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
4	BHUSHAN GAIKWAD	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P
5	BHUSALE TANMAY RAJAS	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P
6	BRIJESH KUMAR PANDIT	A	P	P	A	P	P	P	P	A	A	P	P	A	P	A
7	CHAMKURE PRANALI RAJKUMAR	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
8	AGARWAL OMRAJ	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	DEDGE VIRENDRA VIKAS	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
10	ANKITA KADU	A	P	P	P	A	P	P	P	P	P	P	P	P	P	A
11	DODE ABHIJIT BABAN	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P
12	GADGE SONAL PRAKASH	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	APURVA SURYAVANSHI	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	GHODKE SUPRIYA SHESHERAO	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
15	GHORPADE SAMEER PRATAP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	KUNAL VARADE	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
17	GUNJOTIKAR MAHIMA MANOJ	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	RUTUJA BHAWARI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	JADHAV SNEHA SAKHARAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	JADHAV YOGESH MUGLITRAO	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P
21	SHUBHAM KHARKE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
22	KADAM KUNAL SUNIL	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P
23	KALE GURUPRASAD RAJESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	KAMBLE VINOD NAGAPPA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	SHUBHAM KAYANGUDE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	KESARKAR JUI SURENDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	KHASE APEKSHA ARUN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	KOTALWAR KOMAL NAGRAJ	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	POITDAR KRUSHNA ASHOKRAO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	KUMBHAR SANKET ANANDA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	TARUN LUNDANI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	MANAS MAHESH BHUTE	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
33	MESHAM SWATI SHARAD	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
34	MORE SNEHAL SHARAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	MULE ADITYA RAVINDRA	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
36	MUNDHE ANJALI SHIVAJI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	MUNJ VEDANT HARESHWAR	P	A	P	P	P	P	P	P	P	P	P	P	A	P	A
38	NAGPURE VISHAL JITENDRA	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P

[Signature]
Dt. S. A. Choudhary
F.I.O.D

[Signature]
Prof. D.A. Zamre
Program Coordinator



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Department of Civil Engineering

Certificate of Completion

This is to certify that

Mr. BRIJESH KUMAR PANDIT

Has successfully completed ETABS course organized by department of Civil Engineering during academic year 2020-2021.

Program Coordinator

Head of Department

Department of Civil Engineering



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Date- 12th Oct 2020

NOTICE

All the third & final year students are here by informed that training program of Python will be starting from 12th Oct 2020. The students who are intersted for the training should enrolled their names to Prof J. S. Kharat

Prof. J. S. Kharat

Program Coordinator

Dr. Nihar Ranjan

HOD



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Course Name : Python Programming

Instructor : Prof . J. S. Kharat

CONTENTS

Session	Topic	Duration (Hrs.)
Session 1	PYTHON <ul style="list-style-type: none">o Knowing Pythono Installing the Environmento Getting familiar to Python IDEo Setup Setting up Anacondao Why prefer python over others	02
Session 2	EXPRESSIONS & OPERATORS <ul style="list-style-type: none">o Python Syntaxo Including Comments , Indentationo Python Variableso Operators & Python Keywords	02
Session 3	PYTHON DATA TYPES <ul style="list-style-type: none">o Data : Numeric - int, float, long, complexo Strings types(raw, Unicode), properties, methods, indexing, sequencing slicing, finding string in strings, finding string in string with numbers . . .o Lists, Tupleso Dictionary and Maps	02
Session 4	DATA FLOW CONTROL <ul style="list-style-type: none">o Introduction to control flowo Conditional statements: if-elif-else ifo Loops: FOR and WHILE loopo Statements: Break, continue and pass	02
Session 5	FUNCTIONS IN PYTHON <ul style="list-style-type: none">o What are functionso Creating functions in Pythono Function with Return statement	02
Session 6	FILE HANDLING IN PYTHON <ul style="list-style-type: none">o Introduction to File Handlingo Creating and Writing a File	02



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	<ul style="list-style-type: none">o Writing Multiple Lines in a Fileo Reading Content from Existing	
Session 7	<ul style="list-style-type: none">o Reading Content from Particular Positiono Open Existing file and Write Content to Fileo Reading the Image File	02
Session 8	PYTHON FOR DATA ANALYSIS – NUMPY <ul style="list-style-type: none">o Introduction to Numpyo Numpy Arrayso Quick Note on Array Indexingo Numpy Array Indexing and Operations	02
Session 9	MATPLOTLIB <ul style="list-style-type: none">o Introduction of Matplotlibo Creating Graphs- Bar Chart, Pie, Line chart, Histogram	02
Session 10	Projects <ul style="list-style-type: none">• Dice Roll Simulator.	02
Session 11	<ul style="list-style-type: none">• Guess the number Game	02
Session 12	<ul style="list-style-type: none">• Random Password Generator	02
Session 13	<ul style="list-style-type: none">• Binary Search	02
Session 14	<ul style="list-style-type: none">• Basic Calculator	02
Session 15	<ul style="list-style-type: none">• Data Visualization on different graph	02



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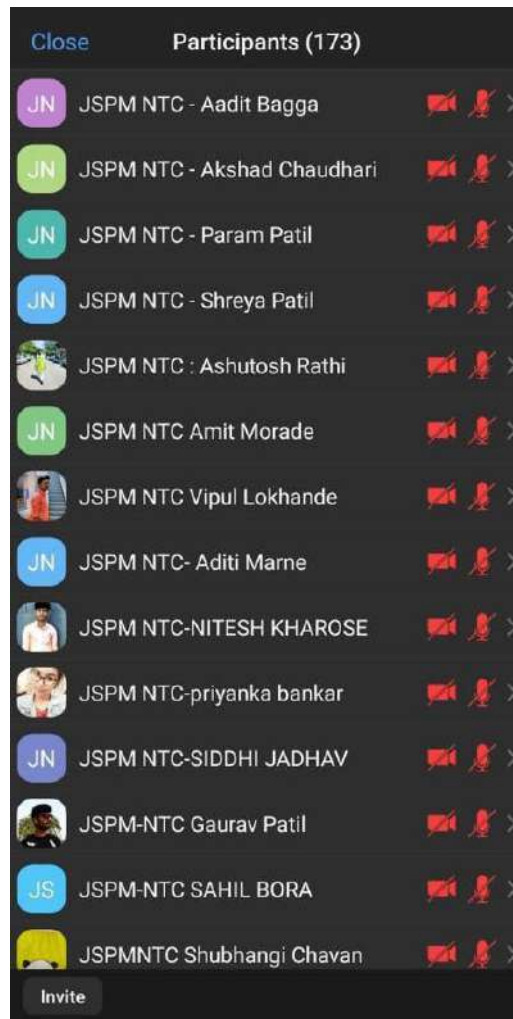
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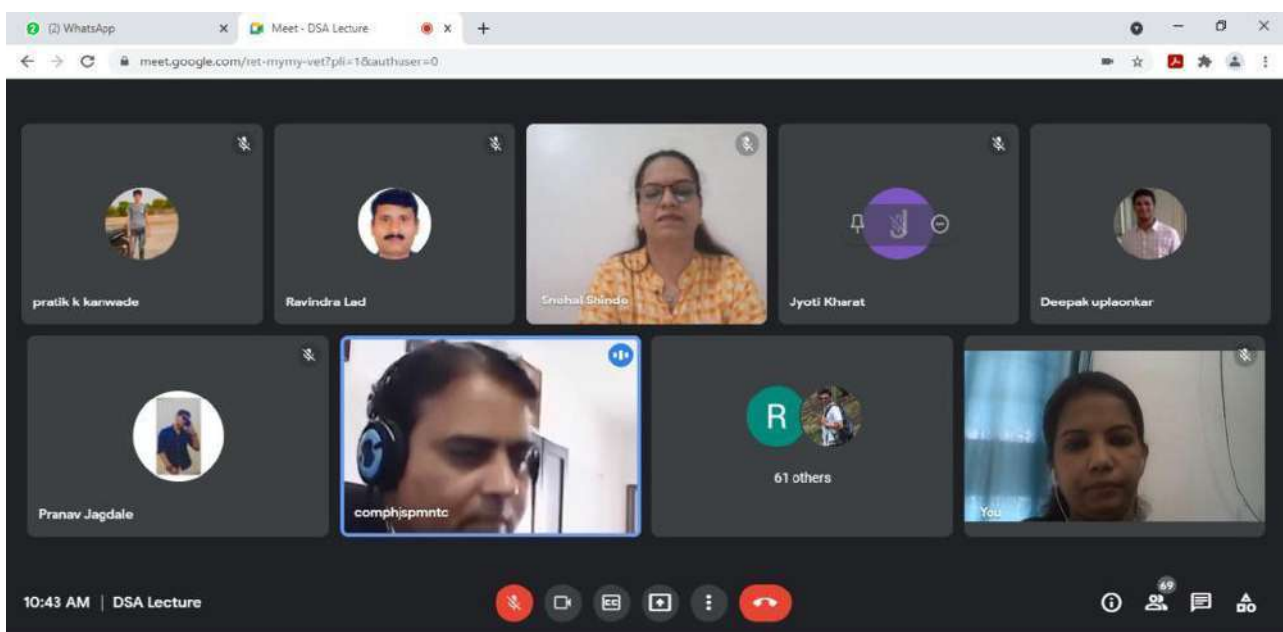
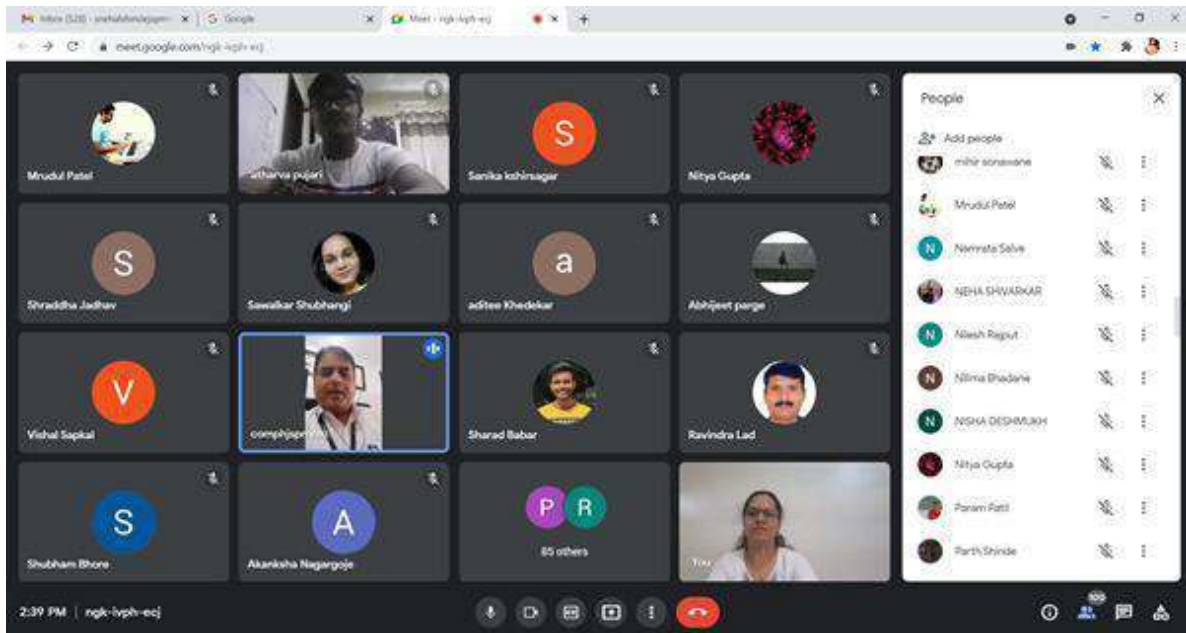


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DIRECTOR





Department of Computer Engineering
Course Name : Python Programming

Attendance Sheet

Time : 3:30-5:30

Sr No	Name of Students	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7	Session-8	Session-9	Session-10	Session-11	Session-12	Session-13	Session-14	Session-15
1	Bansode Gaurav Raiwat	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
2	Bhadane Nilima Prashant	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
3	Bhujbal Rucha Sarjearo	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
4	Bindu Balasaheb Udari	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P
5	Bobade Aarti Sanjay	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P
6	Borase Vinay Vasant	A	P	P	P	P	P	A	P	A	P	P	P	P	P	P
7	Chaudhari Mrudula Sunil	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P
8	Chavan Tejas Shankar	P	P	P	A	P	A	P	P	P	A	P	P	A	P	P
9	Chavhan Shubhangi Panjabrao	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A
10	Desai Anagha Santosh	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P
11	Deshmukh Sarvesh Sanjay	A	P	P	P	P	A	P	P	P	P	P	P	P	P	A
12	Jadhav Vaishnavi Sanjay	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P
13	Jagtap Prajwal Asaram	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Jagtap Vikrant Prakash	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
15	Jamkar Krishna Dattatray	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
16	Joshi Sarang Santosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Kachankar Shubham Sharad	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
18	Kahar Snehal Shekhar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Kalshetti Bhagyashri Shanappa	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
20	Pujari Atharva Jayant	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P
21	Bagga Aadit Gurvinder	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Chaudhari Akshad Balu	A	P	A	P	A	P	A	P	P	A	P	P	A	P	A
23	Patil Param Rajeev	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Patil Shreya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Rathi Ashutosh Chandrashekhar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Morade Amit Arun	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Lokhande Vipul	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	Marne Aditi Sambhaji	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	Kharose Nitesh Nashik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	Bankar Priyanka Rajendra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	Jadhav Siddhi Dilip	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	Patil Gaurav Nitin	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
33	Bora Sahil Parmeshwar	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
34	Dhole Surya Sudhirrao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	Dipak Anil Patil	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
36	Divate Rutuja Subhash	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	Divekar Aditya Gangadhar	P	A	P	P	P	P	P	P	P	P	P	A	P	P	A
38	Kudke Vaibhav Sakharan	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
39	Kulkarni Swanand Shrikant	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
40	Sheral Rutuja Prakash	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A
41	Shewale Pratiksha Vilas	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P


Prof. J. S. Kharat
Program Coordinator


Dr. Nihar Ranjan
HOD



JSPM Narhe Technical Campus
Department of Computer Engineering



Certificate of Completion

This is to certify that

Mr. Bagga Aadit Gurvinder

Has successfully completed **Python Programming** course organized by department of Computer Engineering during academic year 2020-2021.

Ms. J.S.Kharat
Coordinator

Dr. Nihar Ranjan
HOD, Computer Dept.

Dr. R.K.Lad
Director, JSPM NTC



Jayawant Shikshan Prasarak Mandal's
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DTE Code : 8755 PUN Code : CEGP019070 AISHE Code : C-45874

Prof.(Dr.)T. J.Sawant
D.E.E., B.E.(Electrical), Ph.D., MISTE
Pounder - Secretary

Prof.(Dr.) R.K.Lad
B.E.(Civil), M.E.(Env.Engg.) Ph.D.(Engg.)
DIRECTOR

Date:29/10/2020

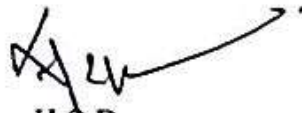
Department of E & TC Engineering

Notice

All the TE & BE students are here by informed that our department is organizing Course on **Data Analytics with Python**. It will be starting from 2nd November to 13th November 2020. The students who are interested for the training should enrolled their names to Program Coordinator Mrs.N.R.Kadam.


Program Coordinator

Mrs. N.R.Kadam


H.O.D.
Dr. M.M. Sardeshmukh
E & TC Department
JSPM Narhe Technical Campus
Name: Pune - 411041



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DTE Code : 6755 PUN Code : CEGPO10070 AISHE Code : C-45074



Prof.(Dr.)T. J.Sawant
D. E. E. B. E. (Electrical), Ph. D., M.D.T.E.
Founder - Secretary

Prof.(Dr.) R.K.Lad
B. E. (Civil), M. E. (Env. Engg.) Ph. D. (Engg.)
DIRECTOR

Course Name : **Data Analytics with Python.**

Instructor : 1. Mrs. N.R.Kadam

2. Mrs. V.S.Patil

3. Mrs.K.P.Wagh

Session	Date	Topic	Duration (in Hrs)
Session 1	2-11-2020	Introduction to data analytics.	2
Session 2	3-11-2020	Installing Python/Jupyter/IPython on Windows	2
Session 3	4-11-2020	Python fundamentals	2
Session 4	4-11-2020	Python fundamentals	2
Session 5	5-11-2020	Matplotlib, Pandas, Seaborn: Sactterplot, Barchart, Linechart, Histogram	2
Session 6	6-11-2020	Other Graphs: Boxplot, Heatmap, Faceting, Pairplot.	2
Session 7	7-11-2020	Pre-processing Data in Python and Dealing with Missing Values in Python	2
Session 8	7-11-2020	Data Formatting in Python and Data Normalization in Python	2
Session 9	8-11-2020	Using the Pandas library to manipulate data (filtering and sorting data, combining files, GroupBy, etc.)	2
Session 10	9-11-2020	Using the Pandas library to manipulate data (filtering and sorting data, combining files, GroupBy, etc.)	2
Session 11	10-11-2020	Statistical Data Analysis	2
Session 12	11-11-2020	Exploratory Data Analysis	2
Session 13	12-11-2020	Basic concepts of AI & ML.	2
Session 14	13-11-2020	Introduction to various classification algorithms	2
Session 15	13-11-2020	Introduction to Model Development	2



JSPM Narhe Technical Campus

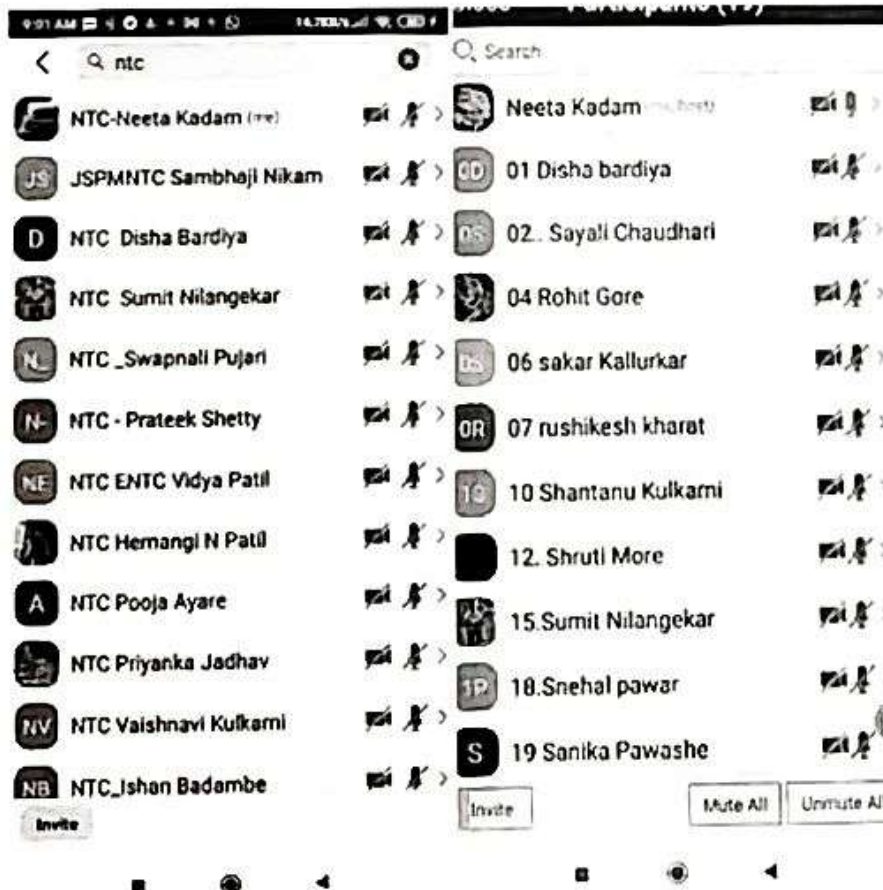
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Prof. (Dr.) R.K. Led
B.E. (Civil), M.E. (Env. Engg.), Ph.D. (Engg.)
DIRECTOR


Prof. (Dr.) T. J. Sawant
U.E.E. - B.E. (Electrical), Ph.D. - AICTE
Founder - Secretary


Course Name : Data Analytics with Python. Registration Details

Date: 2/11/2020

Class: T.E. & BE (E & TC)

Sr. No.	Name of Students	Mail Id	Contact No.
1	Apurva Sanjay Ingale	apurvaingale995@gmail.com	8007186995
2	Pooja Prakash Ayare	poojaayare121@gmail.com	8104686071
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23	Jayesh Girish Patil	jayeshpatil24012001@gmail.com	8623032401
24	Dipak Ramchandra Mandlik	deepakmandlik57@gmail.com	9594189057
25	Sayali Sunil chaudhari	Sayalichaudhari1307@gmail.com	7666975033
26	Mayuresh Vitthal Hole	mayuresh.hole@gmail.com	9594088265
27	Ankita Rajendra Eadke	ankitaeadke06@gmail.com	8856853554
28	Disha Anil Bardiya	dishabardiya25@gmail.com	8530193880
29	Heena Kanhaiya Metha	heenaamethaa@gmail.com	7083599809
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35	Shahenila Vahid ali Syed	sayyedshahenila@gmail.com	7020783002
36	Malhar Anand Muley	malharmuley789@gmail.com	9130760634
37	Rushikesh Sanjay Kharat	rushikharat143@gmail.com	9975191122
38	Dipti Maruti Chitale	Chitaledipti1312@gmail.com	9307825153
39	Shruti Sanjay More	shrutimore103@gmail.com	7030397598
40	Rakesh Rajendra Gaikwad	gr14297@gmail.com	9923909075
41	Ganesh Dattatraya Chougule	ganeshchougule45699@gmail.com	7448107182
42	Jadhav Aparna Rajaram	aparnarajadhav95@gmail.com	8530196434


Mrs. N.R. Kadam
Program coordinator


Dr. M.M. Sankeshmukh
JSPM Narhe Technical Campus
E & TC Department
H.O.I

JSPM Narhe Technical Campus
Department of E&TC Engineering

Attendance Sheet

Course Name : Data Analytics with Python.

Class: T.E.& BE (E & TC)

Sr. No.	Name of Students	Session														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Apurva Sanjay Ingale	P	P	P	AB	P	P	P	P	P	P	P	AB	P	P	P
2	Pooja Prakash Ayare	P	P	P	AB	P	P	P	P	AB	AB	P	P	P	P	P
3	siddharam khed	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Prathamesh Nanaware	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Kamble Priya	P	P	P	P	AB	P	P	P	AB	P	P	P	P	P	P
6	Durgesh Bhope	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Gauri Pol	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Shruti Mokashi	P	P	P	P	AB	P	P	P	P	P	P	P	P	P	P
9	Ashwini Balaso Ubale	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Aparna Rajaram Jadhav	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Ghogare Sakshi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Onkar kumbhar	P	P	P	P	P	P	P	AB	AB	AB	P	P	P	P	P
13	puja bajirao shinde	P	P	P	AB	P	P	P	P	P	P	P	P	P	P	P
14	Tanuja Ananta Ranawade	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Aishwarya Bharati	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Sanjana Sandip Shelke	P	P	P	P	P	AB	P	P	P	P	P	P	AB	P	P
17	Bhakti kumbhar	P	AB	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Gauri Machchindra Thopte	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Madhura Atul Kulkarni	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Anusha Ashok Davani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Atharva Pradeep Khatu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Sakar Sunil Kallurkar	P	P	P	AB	P	P	P	P	P	P	P	P	P	P	P
23	Jayesh Girish Patil	P	P	P	P	P	P	P	P	P	P	P	P	AB	P	P
24	Dipak Ramchandra Mandlik	P	AB	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Sayali Sunil chaudhari	P	P	P	P	P	P	P	P	P	P	P	P	AB	P	P
26	Mayuresh Vitthal Hole	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Ankita Rajendra Eadke	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	Disha Anil Bardiya	P	P	P	AB	AB	P	P	P	P	P	P	P	P	P	P
29	Heena Kanhaiya Metha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	Shubham Santosh Mandhare	P	P	P	P	P	P	P	P	P	P	P	P	AB	P	P
31	Sumit Siddeshwar Nilangekar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	Shantanu Suresh Kulkarni	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	Bhushan Dillip Khopade	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	Rohit Vinayak Karande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	Shahenila Vahid all Syed	P	P	P	AB	P	P	P	P	P	P	P	P	P	AB	P
36	Malhar Anand Muley	AB	AB	P	P	P	P	P	P	AB	P	P	P	P	P	P
37	Rushikesh Sanjay Kharat	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	Dipti Maruti Chitale	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	Shruti Sanjay More	P	P	P	AB	P	P	P	P	P	P	P	P	P	P	P
40	Rakesh Rajendra Gaikwad	P	P	P	P	P	P	P	P	AB	P	P	P	P	P	P
41	Ganesh Dattatraya Chougule	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	Jadhav Aparna Rajaram	P	P	P	P	P	P	P	P	P	P	P	P	P	AB	P

M.R.K.
Mrs.N.R.Kadam
Program coordinator

M.S.
Dr.M.M.Sardeshmukh
E & TC Department
N.O.D
JSPM Narhe Technical Campus
Pune - 411 041



Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus
Department of E & TC Engineering



Certificate Of Competition

This is to certify that Mr./Ms. Jayesh Patil of
T.E (E & TC) has successfully completed the Course "Data
Analytics with Python", arranged by Department of E & Tc, Engineering ,
from 2nd November 2020 to 13th November 2020 .

Date: 13-11-2020

Mrs. N.R.Kadam
Program Coordinatior

Dr. M. M. Sardeshmukh
HOD (E & TC)



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Founder - Secretary

Prof.(Dr.) R.K.Lad
B.E.(Civil), M.E.(Env. Engg.) Ph.D.(Engg.)
DIRECTOR

Date- 20th April 2021

NOTICE

All the 1st Year MBA students are here by informed that the training program on "Innovative Venture Plan" will be starting from 14th April 2021. Those students who are interested for the training should enrolled their names to Prof. Pratibha Rasal.

Prof. Pratibha Rasal

Program Coordinator

Dr. RK Singh

Dean MBA Dept

JSPM Narhe Technical Campus
Narhe - 411041



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DIRECTOR

Course Name : Innovative Venture Plan

Course Code : IVP 21

Instructor : Mr. Sagar Panditrao Patil

Mr. Amar Chougule

CONTENTS

Session	Topic	Duration (Hrs)
Session 1	The entrepreneur, Profile analysis, behavior and motivations Lean Start –up, The entrepreneurial ecosystem, Entrepreneurs and strategic decisions	03
Session 2	Sustainability of Entrepreneurship: Dilemmas of an entrepreneur for success; Handling doubts on survival of business	03
Session 3	Causes of failure–Product/ market, financing, managerial Resilience. Legal Fundamentals	03
Session 4	Entrepreneurial Opportunity Search and Identification; Market Intelligence, Market analysis, Market research. Customer validation, developing your business model	03
Session 5	Go-to-Market Strategy. The role of selling in a startup, Sales forecasting for startups	03
Session 6	Planning/Budgeting, Developing a financial roadmap, financial statements: the four components, How to budget for startup success, Bootstrapping and alternative sources of funding.	03
Session 7	Building and managing the founder team, Attracting and retaining the right people.	03



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	The Team - Board/Governance, The role of a successful board.	
Session 8	Legal Matters- Organizational form–partnership, sole proprietorship, Tax, Legal expenses, hiring the service providers. Employee management and leadership in the workforce.	03
Session 9	Need & Objectives, Target audience, Contents - Cover page and table of contents, Executive summary, Description of the current situation	03
Session 10	Business Plan - Elevator pitch, Building a strong presentation, innovative methods of presenting a business plan –mind map, animated videos, etc. funding requirements, Risk analysis and possible exit strategies	03

R.K.Lad

Attendance Sheet

Sr No	Name of Students	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7	Session-8	Session-9	Session-10
1	ZADE ANAGHA ANIL	P	P	P	P	A	P	A	P	P	P
2	MAHESH ABHIMAN TANDALE	P	A	P	A	P	A	P	P	P	P
3	MANWAR PRATIK ARUN	P	P	P	P	P	P	P	P	P	P
4	SHIVANI SANDIP PATIL	P	P	P	P	A	P	A	P	P	P
5	KADU MADHURI TULSHIRAM	P	P	P	P	P	P	P	A	P	P
6	MAHANKAL SHWETA NARESH	A	P	P	P	P	P	P	P	A	P
7	RAJPURE SIDHESH VISHWAS	P	P	P	P	P	P	P	P	P	P
8	SIDDHARTH KAILAS WAGH	P	A	P	A	P	A	P	P	P	A
9	KAPADE CHAITALI RAMESH	P	P	P	P	P	P	P	P	P	P
10	KIRAN MADHUKAR SHINDE	A	P	P	P	A	P	A	P	A	P
11	RIDHI MAHESH KADAM	A	A	P	A	P	A	P	P	A	P
12	YOGESH VIJAY GADE	A	P	P	P	P	P	P	P	A	P
13	AKSHITA ABHAY KIRAD	A	P	P	P	P	P	P	P	A	P
14	SNEHAL DILIP PAWAR	P	P	P	P	A	P	A	P	P	P
15	AKSHAY POPAT MANE	P	P	P	P	P	P	P	A	P	P
16	PAYAL APPASO MANE	P	P	P	P	P	P	P	P	P	P
17	KADAM RAHUL SUNIL	A	P	A	P	A	P	A	P	A	A
18	PATIL SHUBHAM GIRISH	P	P	P	P	P	P	P	P	P	P
19	NATHE ANUJ RAVINDRA	P	P	P	P	P	P	P	P	P	P
20	GAWANDE POOJA GAJANAN	P	P	P	P	A	P	A	P	P	P
21	LANGARE SHUBHAM CHANDRAKANT	P	P	P	P	P	P	P	P	P	P
22	CHOUGULE ADITYA ANIL	A	P	A	P	A	P	A	P	A	A
23	SHUBHAM GANESHRAO SONTAKKE	P	P	P	P	P	P	P	P	P	P
24	NISHA SANTOSH PINGALE	P	P	P	P	P	P	P	P	P	P
25	JADHAV PRIYANKA ARJUN	P	P	P	P	P	P	P	P	P	P
26	UDAY JAGANNATH KABADE	P	P	P	P	P	P	P	P	P	P
27	ARUSHA UDDHAV PARDESHI	P	P	P	P	P	P	P	P	P	P
28	RATHI KHUSHAL PRAFULL	P	P	P	P	P	P	P	P	P	P
29	CHINMAY RAMESH SHINDE	P	A	P	A	P	A	P	P	P	P
30	LOKESH SATISH KHANDELWAL	P	P	P	P	A	P	A	P	P	P


Program Coordinator
Prof. Pratibha Rasal


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Loan
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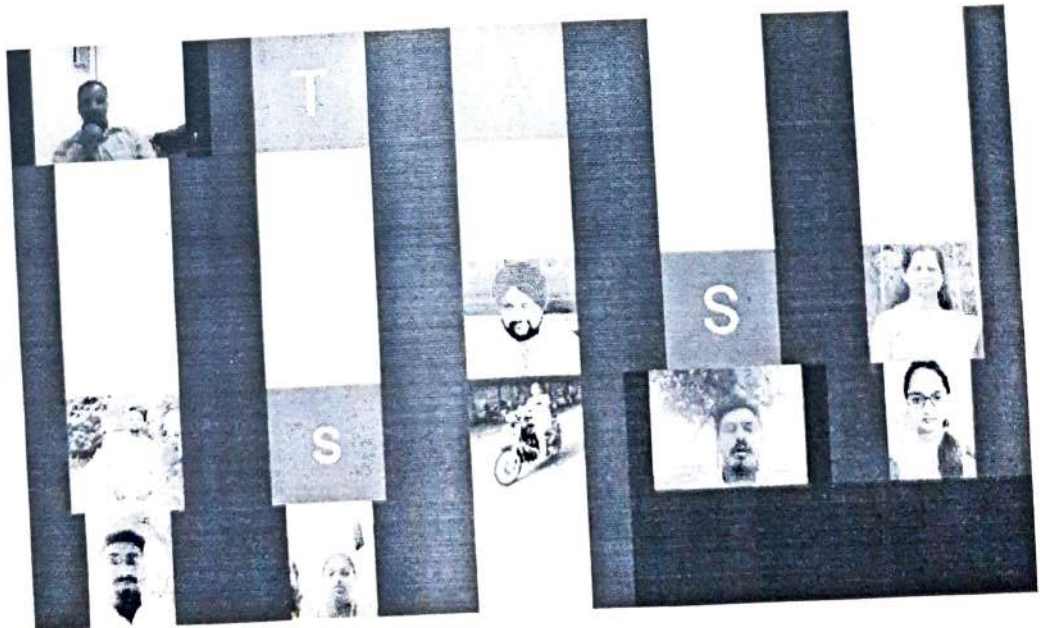
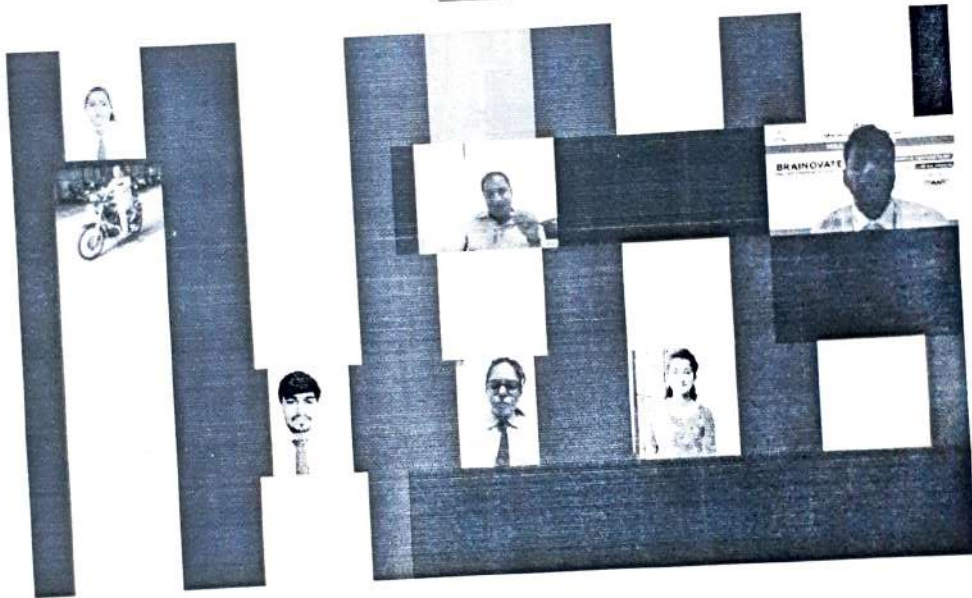
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AICTE - CII SURVEY OF INDUSTRY
LINKED TECHNICAL INSTITUTE 2020
PLATINUM CATEGORY INSTITUTE

BRAINOVATE 2021

"INNOVATIVE VENTURE PLAN"

Anagha Zade

has participated & awarded **FIRST PRIZE** in ONLINE PRESENTATION Competition On
"INNOVATIVE VENTURE PLAN", organized by the Department of MBA of JSPM Narhe
Technical Campus, Narhe held on 20th April 2021

R. K. Singh

MBA Dean

[Signature]

Director
JSPM NTC, Narhe

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JSPM Narhe Technical Campus Department of Mechanical Engineering

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Date: 14-05-2021

NOTICE

All the SE, TE, and BE students of Mechanical Department are hereby informed that a 7 days yoga workshop is arranged on **Secrets of Yoga -Pranayama with Scientific Aspects** by Mr. Kaushal Patidar from 17th May 2021 to 23rd May 2021 from 7.00am-8.00am online on Zoom Platform. Zoom link will be shared on respective class what's app groups.

Dr. D. V. Bhise

HOD ~~Head~~
Department of Mechanical Engineering
JSPM Narhe Technical Campus
R.S.S.O.E. & R. Narhe, Pune - 411041.



JSPM Narhe Technical Campus

Department of Mechanical Engineering



S. No. 12/2/2 and 14/9 Narhe, Tal : Haveli, Dist.: Pune - 411041
Phone : +91 20 2460 8700, 701, 702 Fax : +91 20 2460 8888 Web : www.jspmnntc.edu.in
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Yoga for Mind and Body

Objective of the Course:

This is an introductory course on Yoga and is specially meant for Engineering Students. The main motive of this Yoga Workshop is to increase awareness regarding Yoga Practice among students .Yoga Practice will help students to remove their stress, boosting their confidence and building strong mindset of students.

Learning Outcomes:

At the end of the course the participant will be able to understand awareness regarding giving life-long learning to the students. Yoga Practice will be helping students to remove their stress, boosting their confidence achieving the Program Outcome of communication.

Team leading qualities of the students will improve.

Duration of the Course (in hours): 30 hrs (17th May 2021 to 23rd May 2021)

Eligible Students: Mechanical Engineering,

Expert: Mr. Kaushal Patidar QCI Certified Yoga Trainer

Sr. No	Topic	Minimum No. of Hours
1	Introduction to yoga	01 hrs
2	Introduction to meditation for college students	02 hrs
3	Foundations of yoga for shoulder health Foundations of yoga for knee health	02 hrs
4	Foundations of yoga for spine health	02 hrs
5	Introduction to Ayurveda and Yoga	03 hrs
6	Introduction to chanting and its effects	03 hrs
7	Introduction to pranayam	03 hrs
8	Introduction to sun salutations	03 hrs
9	Asana For yoga alignment	04 hrs
10	Introduction to yoga for stress relief	03 hrs
11	Yoga For Daily Practice	04 hrs
	Total hours	30 hrs



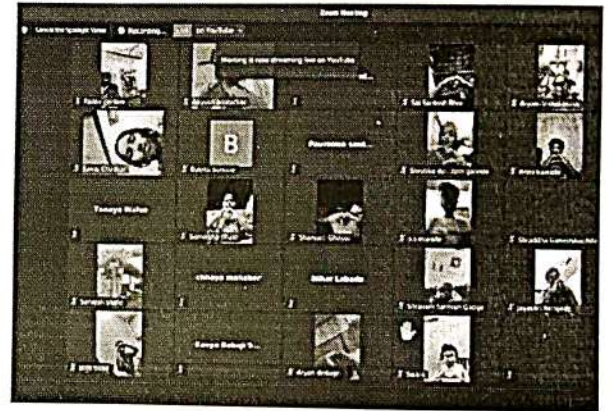
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Photo Gallery



Yoga sessions



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Attendance

Sr	Name of Students	17/5/21	18/5/21	19/5/21	20/5/21	21/5/21	22/5/21	23/5/21
1	Amogi Shashikant Shrishail	P	P	P	P	P	P	P
2	Barde Sanjeev Sudhir	P	P	P	P	P	P	P
3	Bhangale Deepak Hemant	P	P	P	P	A	P	P
4	Bharti Prabhat Kalyan	P	P	A	P	P	P	P
5	Bhosale Rohan Rohidas	P	P	P	P	P	P	P
6	Bhosale Shambhuraj Hanumant	P	P	P	P	P	P	P
7	Chavan Suyash Ashok	P	P	P	P	P	P	P
8	Darandale Sheetal Navnath	P	P	P	P	P	P	P
9	Devkar Ganesh Durgappa	P	P	A	P	A	P	P
10	Dhanawade Nikhil Tanaji	P	P	P	P	P	P	P
11	Dhebe Yash Anand	P	P	P	P	P	P	P
12	Dolare Sandeep Dattatray	P	P	P	P	P	P	P
13	Gate Prajyot Dilip	P	P	P	P	P	P	P
14	Ghatage Virendrashigh Rahul	P	P	P	P	P	P	P
15	Ghuge Prasad Uttamrao	P	P	P	P	P	P	P
16	Gore Tushar Sharad	P	P	P	P	P	P	P
17	Hande Vaibhav Sanjay	P	A	P	P	P	A	P
18	Inamdar Prasanna Sanjay	P	P	P	P	P	P	P
19	Ingawale Omkar Prakash	P	P	P	P	P	P	P
20	Jadhav Ajay Ashok	P	P	P	P	P	P	P
21	Jahagirdar Vipul Ravindra	P	P	P	P	P	P	P
22	Kadam Shivkant Parasram	P	P	P	A	P	P	P
23	Kalyankar Raj Ramesh	P	P	P	P	P	P	P
24	Kamble Kartick Sudhir	P	P	P	P	P	P	P
25	Kamble Rajwardhan Prabhakar	P	P	P	A	P	P	P
26	Khedkar Amol Shahadev	P	P	P	P	P	P	P
27	Koli Amruta Kuber	P	P	P	P	P	P	P
28	Konarde Utkarsh Girish	P	P	P	P	P	P	P
29	Konde Suraj Lahu	P	A	P	P	P	A	P
30	Kukkar Ayush Anand	P	P	P	P	P	P	P
31	Kulkarni Shreeram Shesherao	P	P	P	P	P	P	P
32	Maddel Shaunak Suresh	P	A	P	P	A	P	P
33	Mahadik Akshay Rakesh	P	P	P	P	P	P	P
34	Mali Ganesh Ramling	P	P	P	P	P	P	P



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Attendance

35	AadeSachinGanpatrao	P	P	P	P	P	P	P
36	AwaleTejasNandkumar	P	P	P	P	P	P	P
37	BagekariShivam Ravindra	P	P	P	P	P	P	P
38	Kale NrupsinhaPrasmitan	P	P	P	P	P	P	P
39	Karche Aditya Kaluram	P	P	P	P	P	P	P
40	KhadtareSachin Ramesh	P	P	P	P	P	P	P
41	KolapeSwaranjali Sanjay	P	P	P	P	P	P	P
42	Ligade Pradeep Siddheshwar	P	P	A	P	P	A	P
43	MangaleShreyash Sudhir	P	P	P	P	P	P	P
44	Rodi Omkar Achyut	P	P	P	P	P	P	P
45	Sali Gajendra Ganesh	P	A	P	P	A	P	P
46	Shaikh SadifAzadali	P	P	P	P	P	P	P
47	Shingate Santosh Hanmant	P	P	P	P	P	P	P
48	SuryawanshiYograj Keshavrao	P	P	P	P	P	P	P
49	Taktode Swati Balasaheb	P	P	P	P	P	P	P
50	Upare Soham Shankar	P	A	P	A	P	P	P
51	Zodage Chetan Rajendra	P	P	P	P	P	P	P
52	AAHERKAR GAJANAN	P	P	P	P	P	P	P
53	AHIRE MOHIT DADABHAU	P	P	P	P	P	P	P
54	BHOSALE CHAITANYA	P	P	P	P	P	P	P
55	KAMBLE NIKHIL SUNIL	P	P	P	P	P	P	P
56	NAGRE SHRIKANT SANJAY	P	A	P	P	P	A	P
57	PUJARI ABHIMANYU ARJUNRAO	P	P	P	P	P	P	P
58	PUNDE ROHAN JAYSING	P	P	P	P	P	P	P
59	RANJAN SUMIT	P	P	P	P	P	P	P
60	Shubham Imde	P	P	P	P	P	P	P
61	JADHAV SURAJ	P	A	P	P	A	P	P
62	JAWALIKAR ABHISHEK NARSINH	P	P	P	P	P	P	P
63	JHA ANANDKUMAR SUMAN	P	P	P	P	P	P	P
64	JOSHI JAYANT VINAYAK	P	P	P	P	P	P	P
65	KADAM JAYDIP DATTATRAY	P	A	P	P	A	P	P
66	KADAM NIRANJAN JAYSING	P	P	P	P	P	P	P
67	KADU RUSHIKESH KISHOR	P	P	P	P	P	P	P
68	KAMBLE PRATHAMESH SAGAR	P	P	P	P	P	P	P
69	KAWALE KEDAR NAGESHRAO	P	P	P	P	P	P	P
70	KHATAVKAR TEJAS DILIP	P	P	P	P	P	P	P
71	KHEDEKAR RAHUL ANKUSH	P	P	P	P	P	P	P
72	KHOGRE PRATIK PRAMOD	P	P	P	P	P	P	P

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Attendance

73	CHOUDHARI PRANAV	P	P	P	P	P	P	P
74	KULKARNI NILESH NARAYAN	P	P	P	P	P	P	P
75	KULKARNI VARAD VIVEK	P	P	P	P	P	P	P
76	KULKARNI YASH	P	P	P	P	P	P	P
77	KUMBHAKARN RUSHIKESH	P	P	P	P	P	P	P
78	LAD SHIDHARTH P.	P	P	P	P	P	P	P
79	ROTE TEJAS SANJAY	P	P	P	P	P	P	P
80	SABLE PRASAD BALASAHEB	P	A	P	P	P	A	P
81	SALVE SAI SANTOSH	P	P	P	P	P	P	P
82	SANGADE HRUSHIKESH	P	P	P	P	P	P	P
83	SAWALE MANGESH GAJANAN	P	P	P	P	P	P	P
84	SHEDGE MAYURESH DHANANJAY	P	P	P	A	P	A	P
85	SHELKE MAHESH RAJENDRA	P	P	P	P	P	P	P
86	SHENDGE RUSHIKESH GANESH	P	P	A	P	A	P	P
87	SHINDE ROHAN ANIL	P	P	P	P	P	P	P
88	SHINDE SARTHAK AJIT	P	P	P	P	P	A	P
89	SHINDE UTKARSH RAJARAM	P	P	A	P	P	P	P
90	SONAR BHAVIN PRAMOD	P	P	P	P	P	P	P


Prof. A. D. Halwe
Yoga Coordinator


Dr. D. V. Bhise
HOD/Head.
Department of Mechanical Engineering
JSPM Narhe Technical Campus
R.S.S.O.E. & R. Narhe, Pune - 411041.



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Department of Mechanical Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr. Abhishek Jawalikar

Has successfully completed "Secrets of Yoga -Pranayama with Scientific Aspects" course organized by Department of Mechanical Engineering during academic year 2020-2021.

Program Coordinator

Head of Department
Department of Mechanical Engineering



Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus



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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874

Prof.(Dr.)T. J.Sawant
D.E.E., B.E.(Electrical),Ph.D., MISTE
Founder - Secretary

Prof.(Dr.) R.K.Lad
B.E.(Civil),M.E.(Env.Engg.) Ph.D.(Engg.)
DIRECTOR

Date- 5th Jan 2021

NOTICE

All MCA Ist year students are here by informed that training program of Parallel Computing will be starting from 11th January 2021. The students who are interested for the training should enrolled their names to Prof S. R. Lende


Prof. S.R.Lende

Program Coordinator


Prof. Dr. S.S. Solanki

Dean
Dean MCA
Dept. of MCA
JSPM Narhe Technical Campus,
Narhe, Pune - 41



Jayawanth Shikshan Prasarak Mandals
JSPM Narhe Technical Campus



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DIRECTOR

Course Name : Parallel Computing

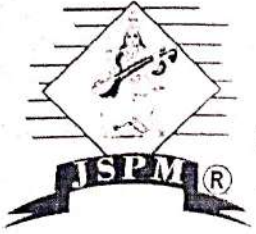
Course Code : 20MCAPC

Instructor : Prof.S.R.Lende

ProfS.M.Deshmukh

CONTENTS

Sr.No	Topic	Duration (Hrs)
1	<ul style="list-style-type: none">Principles of parallel algorithm design<ul style="list-style-type: none">decomposition techniquesmapping & scheduling computationtemplatesProgramming shared-address space systems<ul style="list-style-type: none">Cilk PlusOpenMPPthreads	6
2	<ul style="list-style-type: none">Parallel computer architectures<ul style="list-style-type: none">shared memory systems and cache coherencedistributed-memory systemsinterconnection networks and routingProgramming scalable systems<ul style="list-style-type: none">message passing: MPIglobal address space languagesAnalytical modeling of program performance<ul style="list-style-type: none">speedup, efficiency, scalabilitycost optimalityisoefficiency	12
3	<ul style="list-style-type: none">Collective communication<ul style="list-style-type: none">SynchronizationNon-numerical algorithms<ul style="list-style-type: none">sortinggraphsNumerical algorithms<ul style="list-style-type: none">dense matrix algorithms	12



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DIRECTOR

	<ul style="list-style-type: none">•sparse matrix algorithms•Performance measurement and analysis of parallel programs•GPU Programming•Problem solving on clusters using MapReduce•Warehouse-scale computing• Practice Session for Geometry Creation	
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Prof.S.R.Lende

Program Coordinator

Dean
Dept. of MCA
JSPM Narhe Technical Campus,
Narhe, Pune - 41

MCA Department
Course Name : Parallel Computing
Academic year 2020-21

Attendance Sheet

Time : 3:30-5:30

Sr. No.	Name of Students	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7	Session-8	Session-9	Session-10	Session-11	Session-12	Session-13	Session-14	Session-15
1	Jagtap Satyam Satish	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
2	Kendre Sandhya Udhavrao	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
3	Kolte Shubham Rajendra	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
4	Kshetri Ashwini Ashok	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
5	Kulkarni Aditya Pravin	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P
6	Kulkarni Soham Milind	A	P	P	P	P	P	P	A	A	P	P	P	P	P	P
7	Lavate Shiruti Chandrashekhar	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P
8	Mane Ashish Ram	P	P	P	A	P	A	P	P	P	A	P	P	A	P	P
9	Mane Prachi Ankush	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Mangarule Onkareshwar Rajkum	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P
11	Meghare Rushikesh Suresh	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Mergal Sapna Vishwanath	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P
13	Mulani Shahabaji Dadasaheb	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Nakadi Snehal Raju	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
15	Pawar Pooja Prakash	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
16	Pawar Shubham Prakash	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Pote Sameer Bhimsen	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
18	Rasal Ashok Dhondiram	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Shinde Pratik Tanaji	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
20	Shinde Rahul Shailendra	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P
21	Shinde Satish Arjunrao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Shinde Tejas Naravan	A	P	A	P	A	P	A	P	P	A	P	P	A	P	A
23	Shirote Shashank Fanchu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Thube Omkar Patilaba	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Verma Deepak Rajendraprasad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P


Prof. Dr. S.S. Solanki
Dean MCA

Dept. of MCA
JSPM Narhe Technical Campus,
Narhe, Pune - 41


Prof. R.R. Kende
Program Coordinator



Jayawant Shikshan Prasarak Mandal's JSPM Narhe Technical Campus

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Photo Gallery

2 Favorites (0)

Image	Thumbnail	View
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	MCA Student photo	4 0%
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	Project Test	4 0%
	Event Photo	4 0%
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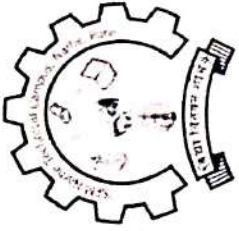
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MCA Department

CERTIFICATE OF COMPLETION

This is to certify that

Mr. Soham Kulkarni

Has successfully completed Parallel Computing course organized by MCA department during academic year 2020-2021.

Program Coordinator

Dean MCA Department



Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus

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Date – 8/12/2020

To,
The Director,
JSPM Narhe Technical Campus,
Narhe, Pune.

Subject: - “A Certificate Course on Finite Element Analysis using ANSYS Workbench”.

Respected Sir,

Department of Mechanical Engineering (Second Shift) has decided to organize Add on course on “A Certificate Course on Finite Element Analysis using ANSYS Workbench” for the period of 30 hours conducting on every working Saturday from 26/12/2020.

This add on course program is specially organized for Final Year students of Engineering to understand and perform analysis over mechanical engineering projects using ANSYS Workbench. The industry person will also call for lecture to discuss real life problem solved by ANSYS. This course will be helpful for students to pursue their final year projects.

Following are the objectives to organize this workshop:

- To boost practical knowledge of students.
- To understand the application and use of FEA tool for structural and thermal problems.
- To understand the use of FEA tool to solve various real life projects.
- To perform static and dynamic analysis using ANSYS and correlation with analytical /experimental results.

We hope you will consider for the same and will show the positive response to conduct this add-on course.

Thanking You,

Dr. M. A. Kumbhalkar
Course Coordinator & Head
Mech. Engg. Dept.
(Second Shift)

“A Certificate Course on Finite Element Analysis using ANSYS Workbench”

Objective of the Course:

This course is structured and designed to bridge the gap between theoretical finite element knowledge and its industrial applications by providing plenty of insights into the relationship between physical data (e.g., loads, boundary conditions, material behavior, etc.) and finite element models. The course is intended to provide graduate students, engineers, and researchers working in different specializations of mechanical engineering such as design, thermal, biomedical engineering, automobile engineering, etc. The main objective is to introduce Finite Element Analysis (FEA) technique to solve various real life problems of mechanical engineering by using ANSYS Workbench software package.

Learning Outcomes:

At the end of the course the participant will be able to use the ANSYS package to solve mechanical engineering analysis problems using FEA techniques. The participants should have some basic concept of finite element method, engineering mechanics, and familiarity with desktop environment.

Duration of the Course (in hours): 30 hrs

Eligible Students: Mechanical Engineering

Expert: Dr. M. A. Kumbhalkar, H.O.D, Mech. Engg. Dept. Second Shift

Program Code – 675561220

Course Code - 2020ME01

Outline of Course

S. No	Topic	Minimum No. of Hours
1	Introduction to FEA	01 hrs
2	ANSYS and its interfaces, Information of Modeling, Meshing and Element type	02 hrs
3	Projects based on Static structural analysis	04 hrs
4	Projects based on Static structural analysis	04 hrs
5	Projects based on Static structural analysis	02 hrs
6	Projects based on Thermal analysis	04 hrs
7	Projects based on Modal Analysis	02 hrs
8	Projects based on Harmonic Analysis	02 hrs
9	Projects based on Transient Analysis	04 hrs
10	Projects based on Fatigue Analysis	03 hrs
11	Tutorial / Project Work	02 hrs
	Total hours	30 hrs

Syllabus

A Certificate Course on Finite Element Analysis using ANSYS Workbench

Course Curriculum (30 Hrs.)

Chapter 1: Introduction to FEA and ANSYS Workbench

- a) Introduction to the Finite Element Method
- b) General Steps of the Finite Element Method
- c) Explanation of 1D, 2D and 3D Elements with examples of ANSYS Elements
- d) Need of FEM
- e) Types of analysis that can be done using ANSYS
- f) Advantages of the Finite Element Method
- g) Limitations of FEA
- h) ANSYS Workbench Overview
- i) Mechanical Overview
- j) The Workbench Environment
- k) The Toolbox
- l) The Project Schematic
- m) Workbench File Management
- n) Working with Units

Chapter 2: Mechanical Basics

- a) Basic Analysis Procedure
- b) The Mechanical Interface
- c) Outline Tree and Details
- d) The Mechanical Application Wizard
- e) Scoping Loads and Supports
- f) The Engineering Data Application

Chapter 3: Static Structural Analysis

- a) Basics of Static Structural Analysis
- b) Geometry
- c) Material Properties
- d) Analysis Settings
- e) Nodal Loads and Supports
- f) Solving Models
- g) Results and Postprocessing
- h) Fatigue Analysis

Chapter 4: Modal, Harmonic, Transient Analysis

- | | |
|---------------------------------------|---|
| a) Basics of Free Vibration | f) Static Extension to Harmonic Analysis |
| b) Geometry | g) Frequency response information |
| c) Solution Setup | h) Static Extension to Transient Analysis |
| d) Static Extension to Modal Analysis | i) Time history information |
| e) Vibration with Prestress | j) Graphical representation of results |

Chapter 5: Thermal Analysis

- a. Basics Steady State Heat Transfer
- b. Geometry
- c. Material Properties
- d. Thermal Contact
- e. Thermal Boundary Conditions
- f. Solution Options
- g. Results and Postprocessing

Chapter 6: Results and Post processing

- a. Viewing Results
- b. Scoping Results
- c. Exporting Results
- d. Coordinates Systems
- e. Solutions Combinations
- f. Stress Singularities
- g. Error Estimation
- h. Convergence
- i. Workshops

Mode of Evaluation: Quiz/Assignment/ Seminar/Written Examination

Course Name - "A Certificate Course on Finite Element Analysis using ANSYS Workbench"

PO Addressed: PO1, PO3, PO6, PO11, PO12

PO1.	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO3.	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO6.	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO11.	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12.	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

CO Addressed are-

CAD/CAM and Automation Subject – CO3

CO3. Find stresses and displacements of 1D and 2D problems by using FEA.

Project Stage-I & II – CO1

CO1 Implement suitable methodology to solve the Problems pertaining to the mechanical engineering by utilizing the knowledge gained during the curriculum.

Purpose- To apply modern analysis tool for the analysis of mechanical components in various domain like design strength analysis, thermal analysis, analysis for composite material, etc.

Course Outcome:

Students should be able,

CO1.to apply knowledge for analysis of mechanical components using FEA Package.

CO1.to do static and dynamic structural, thermal, thermo-mechanical, fluid, fatigue analysis of complex three dimension model.

CO3. to demonstrate the ability to evaluate and interpret FE analysis results for design and evaluation purposes.

Establish the correlation between the Courses and the Program Outcomes (POs)

CO	PO1	PO3	PO6	PO11	PO12
CO1	3	3	2	1	2
CO2	3	2	2	1	3
CO3	3	2	3	3	1

Justification for mapping CO to corresponding PO

Course Outcome (CO)	Mapped PO	Justification
CO1	PO1, PO3, PO6, PO11, PO12	Apply engineering knowledge by solving problem (PO1, PO3) Understanding of design concept for analysis using finite element package (PO6, PO11, PO12)
CO2	PO1, PO3, PO6, PO11, PO12	Apply engineering knowledge to analyze mechanical model. (PO1, PO3) Practical significance by analyzing in various way like static structural, fatigue etc. (PO6, PO11, PO12).
CO3	PO1, PO3, PO6, PO11, PO12	Apply engineering knowledge by solving problem (PO1, PO3) Interpretation of results for stresses and displacements of 1D, 2D and 3D problems. (PO6, PO11, PO12)



Jayawant Shikshan Prasarak Mandal's
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Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.
DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874

Prof.(Dr.)T. J.Sawant
D.E.E., B.E.(Electrical),Ph.D., MISTE
Founder - Secretary

Prof.(Dr.) R.K.Lad
B.E.(Civil),M.E.(Env.Engg.) Ph.D.(Engg.)
DIRECTOR

DATE: 10/12/2020

Department of Mechanical Engineering (Second Shift)
A.Y. 2020-2021

NOTICE

All the students of Mechanical Engineering (Second Shift) are hereby informed that, an

Add on course on "A Certificate Course on Finite Element Analysis using ANSYS Workbench" has arranged from 26/12/2020 (Saturday). The forum is open to understand analysis of mechanical engineering projects using ANSYS Workbench. So register your name for the course on or before 23/12/2020 (Wednesday) to Dr. Manoj A. Kumbhalkar.


(Contact No: 9960863684)

Dr. M. A. Kumbhalkar

H. O. D.

Mech. Engg. Dept.

Department of Mechanical Engineering
JSPM (Second Shift) Campus
R.S.S.O.E & R. Narhe, Pune - 411 041



Lecture Series

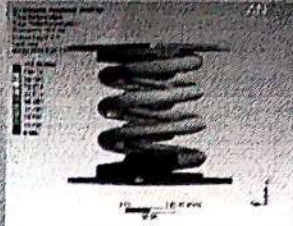
OF

FINITE ELEMENT ANALYSIS

By

Dr. Manoj A. Kumbhalkar

BE (Mech. Engg.), M.Tech. (CAD-CAM), Ph.D. (Mech. Engg.)



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Coupled Thermal-Structural Analysis using ANSYS Workbench

About Finite Element Analysis

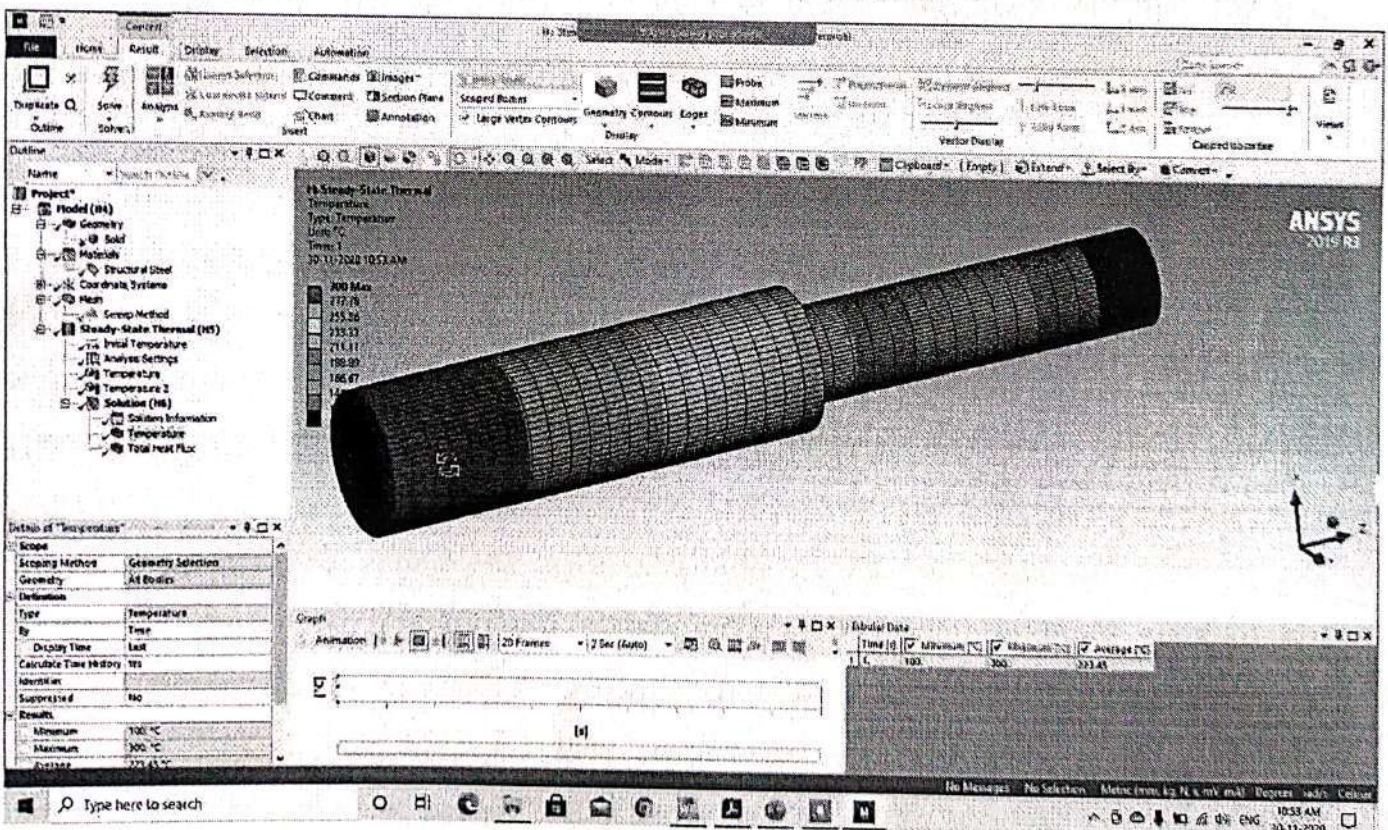
FEA uses mathematical models to understand and quantify the effects of real-world conditions on a part or assembly.

FEA is used by engineers to help simulate physical phenomena and thereby reduce the need for physical prototypes, while allowing for the optimization of components as part of the design process of a project.

Type here to search






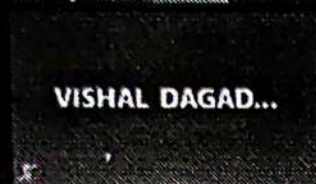

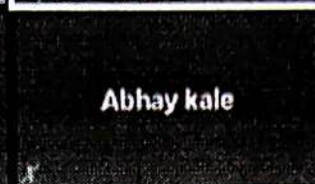





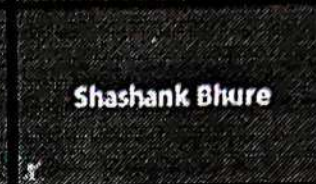







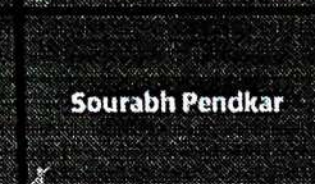
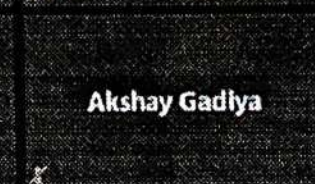


10:41 AM 30-11-2020

Dr. M. A. Kumbhalkar Lecture series during add on course



The screenshot displays the ANSYS Workbench interface for a thermal analysis. The central 3D model shows a cylindrical component with a fine mesh. The results panel on the right indicates a 'Steady-State Thermal' analysis with a temperature range from 100 to 300 degrees Celsius. The software interface includes a tree view on the left, a top toolbar, and a bottom status bar.

Dr. M. A. Kumbhalkar explaining Analysis of Component in ANSYS Workbench

 Aditya Jadhav	 Dr. M. A. Kumbhalkar	 Rajkumar Kastmani	 Anup Bjugare	 Raviraj Navale
 VISHAL DAGAD...	 Om	 Abhay kale	 Atul Lokhande	 Pankaj Shirvade
 Nilesh Mundhe	 Virendra	 Aniket Rathod	 Shashank Bhure	 Nisar Sk
 Saravana Kumar	 Omkar Papal	 Shivraj Bandgar	 Prajakta Borole	 Ku-deep shinde
 Tejas Bhatnagar	 Sourabh Pendkar	 Akshay Gadiya	 Saurabh Satpute	 Roshan Babar



Mute Stop Video Invite Participants 47 Share Screen Chat Record Reactions

Participants of the add on course

JSPM Narhe Technical Campus
Department of Mechanical Engineering (Second Shift)

“A Certificate Course on Finite Element Analysis using ANSYS Workbench”

ATTENDANCE

Sr. No.	Name of Student	Session I 26/12/2020 6 Hrs	Session II 9/1/2021 6 Hrs	Session III 23/1/2021 6 Hrs	Session IV 13/2/2021 6 Hrs	Session V 27/2/2021 6 Hrs
1	ABHAY KUMAR PANDEY	P	P	P	P	P
2	DESPANDE POOJA DEVIDAS	P	P	P	P	P
3	GHADAGE SAYALI TANAJI	P	P	P	P	P
4	GHODKE DIPALI NANDKISHOR	P	P	P	P	A
5	ADHAPURE PRADIP KRUSHNA	A	P	P	P	P
6	LOKHANDE ATUL	P	P	P	P	P
7	SATPUTE SAURABH	P	P	P	P	P
8	JADHAV ADITYA RAJENDRA	P	P	P	P	P
9	JAGTAP SHREYAS NANASAHEB	P	P	A	P	P
10	KALE ABHAY	P	P	P	P	P
11	JEDHE VIRENDRA SURESH	P	P	P	P	A
12	JONDHOLE PRAFULL SUBHASH	P	P	P	P	P
13	RATHOD ANIKET PRAKASH	P	P	P	P	P
14	KALE TUSHAR VIJAY	P	P	P	P	P
15	KAMBLE RUTURAJ PRAMOD	A	P	P	P	P
16	BOROLE PRAJAKTA PUNDLIK	P	P	P	P	P
18	VHANCHENJE SANTOSH PANDIT	P	P	P	P	P
19	SHAIKH KAIF MUKHTAR	P	P	P	A	P
20	KOLPE SUMIT SAHADEV	P	P	P	P	P
21	SHIVADE PANKAJ RATAN	P	P	P	P	P
22	MUNDHE NILESH BHANUDAS	A	P	P	P	P
23	BHARAMBE TEJAS NARAYAN	P	P	P	P	P
24	GADIYA AKSHAY	P	P	P	P	P
25	GAWALI OMKAR ANIL	P	P	P	P	A
26	JEDHE VIRENDRA SURESH	P	P	P	P	P
27	BHOSALE SUCHET DILIPRAO	P	P	P	P	P

JSPM Narhe Technical Campus
Department of Mechanical Engineering (Second Shift)

“A Certificate Course on Finite Element Analysis using ANSYS Workbench”

ATTENDANCE

28	BABAR ROSHAN RAMESHBHAI	P	P	P	P	P
29	NAWAL NITIN UDDHAVRAO	A	P	P	P	P
30	KIRANGE PIYUSH MAHESH	P	P	P	P	P
31	KOLI ANIKET LAXMAN	P	P	P	P	A
32	SHINDE KULDEEP CHANDRAKANT	P	P	P	P	P
33	CHAUDHARI ABHISHEK SUNIL	P	P	A	A	P
34	PATIL PRAVIN KRISHNA	P	P	P	P	P
35	SHAIKH NISAR AHEMAD SADIKSAB	P	P	P	P	P
36	REWADKAR SAURABH SATISH	P	A	P	P	P
37	PENDKAR SAURABH	P	P	P	P	P
38	SAKHARE SHREYASH AVINASH	P	P	P	P	P
39	DEVKAR KAMLESH VILAS	A	P	P	P	P
40	PAPAL OMKAR DNYANESHWAR	P	P	P	A	P
41	BHURE SHASHANK	P	P	P	P	A
42	DESHMANE SOMESH BHAGWAT	P	P	P	P	P
43	BANDGAR SHIVRAJ MAHADEO	P	A	P	P	A
44	GADHE RAHUL ANSHIRAM	P	P	P	P	P
45	NIGHUL OMKAR MAHESH	P	P	P	P	P
46	DESHMUKH PATIL SURAJ UTTAMRAO	P	P	A	P	P
47	NAVALE RAVIRAJ	P	P	A	P	P



Dr. M. A. Kumbhalkar
Course Coordinator & Head
Mech. Engg. Dept. (Second Shift)



Jayawant Shikshan Prasarak Mandal's

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Certificate

This is to certify that Mr./Ms./_Akshay Gadiya has participate in an Add-on Course on "A Certificate Course on Finite Element Analysis using ANSYS Workbench" conducted by Department of Mechanical Engineering (Second Shift), JSPM Narhe Technical Campus, Narhe, Pune held between 26 December 2020 to 27 February 2021.

Dr. M. A. Kumbhalkar
Course Coordinator & Head
Mech. Engg. Dept. (Second Shift)

Dr. R. K. Lad
Director
JSPM NTC, Pune

Learning Outcomes for “A Certificate Course on Finite Element Analysis using ANSYS Workbench”

There were a number of lessons to be learned from this course some of which are briefly described below with regards to the use of FE technique in project. Some of the more general learning outcomes relative to solved project were:

Mesh density:

- The number of elements/nodes affect whether the solution has converged
- The engineer needs to determine what the convergence criteria will be and what tolerance is acceptable
- No effort was made to create mapped meshes or reduce the element count while retaining mesh convergence
- Mesh density is critical to obtaining a reasonable FEA simulation result

Element type

- Limitations from using assumptions such as plane-stress need to be considered since they may affect the results particularly if there are other stress components due to other loads
- Effect of higher order, lower order elements, or other elements options such as reduced integration must be understood by the engineer.
- The choice of element type (HO, LO, visco-elastic, etc.) and options (plane-stress/strain, reduced integration, etc.) are also critical to obtaining a reasonable FEA simulation result
- Although higher order elements can be better suited to curved surfaces with its mid-side node, lower order elements are often suggested for plasticity which was not an aspect for this project.

Material Selection

- Structural steel is the default material in ANSYS workbench which has to modify or change as per the requirement in analysis.
- The material properties can be added for different material or can be selected and edit from available library.
- S-N curve has to be plot for fatigue analysis as per analytical and experimental values of dynamic model.
- The engineer must understand the potential material variations and the effect on the final margin of safety.

Boundary Conditions

- Boundary conditions can affect the results.
- Since this project iteratively solved to balance the axial force, the single fixed node was not a deterrent in application for this specific problem which may normally cause local issues on other problems