

D.E.E., B.E.(Electrical), MISTE, Ph.D.

FOUNDER SECRETARY

JAYAWANT SHIKSHAN PRASARAK MANDAL'S

Jayawantrao Sawant College of Engineering

(Approved by AICTE, New Delhi, Govt of Maharashtra and Affiliated to University of Pune) Id.No.: PU/PN/Engg_/199/(2004)

S. No.58, Handewadi Road, Hadapsar, Pune - 411028
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1.1 Curricular Planning and Implementation (20)

Department of Mechanical Engineering

Sr. No.	Key Aspects	Assessment Indicators	Details	Evidences
1.1.1	Curricular Planning and	The Institute ensures effective	Academic Calendar	SPPU, Institute and department Calender
	Implementation	curriculum	Time table	Master Time Table
	implementation	delivery through a well planned	Curriculum Enrichment Program (CEP)	CEP Schedule and activities
		and documented process	Course File	Subject wise gap, Teaching plan, Laboratory plan, Assessment Plan, Theory & Experiment session plan, Moodle Contents
			Module Contents : Activities	Quiz, Game Pedagogy activities, other activity
			Planning & imteam	DAB, PAC MOM, Module Details and Module coordinator

Adherence to Academic Calendar

- Effective implementation is possible only by meticulous planning; hence department plans and executes academic activities adhering to the academic calendar.
- Department academic calendar prepared is based on the SPPU calendar and institute calendar.
- It mainly includes the various activities planned in the coming semester viz. teaching plan, guest-lectures, internal/external examination schedules, technical events, industry visit schedules, etc.
- Effective implementation of curriculum as per the academic calendar is monitored through well planned 3-tier academic set-up.
- In order to maintain adherence to the academic calendar, the extra provision in the time table is made to address the diversity of learning, compensate for lectures missed due to some unavoidable circumstances viz. change in university exams schedule, due to Pandemic, elections, natural calamity, etc. The variation in adherence is maintained at around 10%.

Adherence to academic calendar during pandemic.

- University could not maintain the regular academic schedule due to pandemic waves.
- University has to change the academic schedule in the run time, based on Covid situation.
- All the affiliated colleges followed the same as per the circulars of the University.
- Each faculty member prepares a teaching plan based on the university and college academic calendar.

Savitribai Phule Pune University

(Formerly University of Pune)



Circular No. 278 of 2021

Revised Dates of Commencement and Conclusion of Engineering, Architecture and Pharmacy for the Academic Year 2021-2022 For Affiliated Colleges/Recognised Institutes

It is hereby informed that, the revised dates of commencement and conclusion of the Courses, under the faculty of Engineering, Architecture and Pharmacy for the academic year 2021-22 shall be as under:

				Revised 2	021 - 2022		
Name of the	Name of the	Year	First Te	rm	Second Term		
Faculty	Courses		Commencement	Conclusion	Commencement	Conclusion	
	Engineering	TE, BE	02/08/2021	30/11/2021	03/01/2022	26/04/2022	
	B.Architecture	III, IV & V	15/06/2021	04/12/2021	03/01/2022	30/04/2022	
Science &		п	20/08/20201	10/12/2021	03/01/2022	30/04/2022	
Technology	B. Pharmacy	III & IV	17/08/2021	18/12/2021	03/01/2022	10/05/2022	
	B. Pharmacy	п	23/08/2021	18/12/2021	03/01/2022	10/05/2022	
	M. Pharmacy	п	23/08/2021	18/12/2021	03/01/2022	15/05/2022	

NOTE

- 1. All Programmes shall be conducted in Online Mode until further notice.
- 2. In view of prevailing COVID-19 situation in the Country, Colleges / Institutes shall required to follow the guidelines / instructions issued by the Government of Maharashtra from time to time.

Deputy Registrar (P.G. Admission)

Ganeshkhind, Pune-07 Ref. No. PGS/ 3578 Date: 29/09/2021

The Heads of all University Departments, Savitribai Phule Pune University, Pune. The Principals of all Affiliated Colleges, Savitribai Phule Pune University, Pune.

The Directors of all Recognized Institutes, Savitribai Phule Pune University, Pune.

Copy to: for information

The Members of the Management Council, Savitribai Phule Pune University, Pune.

The Registrar, Savitribai Phule Pune University, Pune.

The Deans of Faculties, Savitribai Phule Pune University, Pune.

JSPM's Jayawantrao Sawant College of Engineering Hadapsar Academic Calendar (2021-22)

A.Y.:- 2021-22 Sem-I

JSPM's Jayawantrao Sawant College of Engineering Hadapsar DEPARTMENT OF MECHANICAL ENGINEERING

-	June - 21	July – 21	August - 21	Calender (AY 2021-22/SEM September - 21	October - 21	November - 21	December - 21
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Professor & Head

In Mech. Engg. Department (2PM's Jayeanuso Savant College of Engineeries



Principa Keephade

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1	Dr.Phadkule Suneeta Vivek	ME [DE]	RM	4+0	4	5	9	
2	Dr. Pradeep Patil	BEABC	ELE I HVAC & R	3+6	9	5	14	
		SE C	EMM	3+0	-	5	11	
3	Dr. Prakash Kadam	BE A	ром	3+0	- 6	5		
		SE B	EMM	3+2	8	5	13	
1	Dr. Abhijeet Dandawate	BEABC	ELE II AE	3+0] °	3		
5	Mahesh Gaikwad .	TE A	DME	3+6	9	5	14	
6	Pradnya Kosbe	TEC	DME	3+6	9	5	14	
7	Laxman Mane	BEABC	ELE II EAM	3+0	12	5	17	
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		TEA	MECHX	3+6	12	5	17	
8	Manisha Nalawade	BEABC	ELE II OR	3+0	12		-12	
Ł		TEA	DML	0+6	15	5	20	
9	Sandeep Patil	SE A	EMM	3+6	1 15	-5	20	
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10	Shivanand Talwar	TE A	SD	0+6	15	5	20	
		BEA	CAD/CAM	3+6	12	5	17	
11	Suhas Shinde	BEC	CAD/CAM	3+0	12	9	n systi	
		TEB	нмт	3+6	16	5	20	
12	Rakesh Siddheshwar	SE A	GD & T	0+6	15		20	

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14	Chitaranjan Mane	SE C	ET	3+6		1	0
		SE C	GD & T	0+6	15	5	20
15	Suvarna Pawar	TEA	NSM	3+6			
2		TEB	SD	0+6	15	5	20
16	Fayaz Kharadi	TEA	ELE I MST	3+0			
	-,,	SEC	SMD	3+6	12	5	17
		TEB	ELEIMST	3+0		- 10	
17	Suchitra Dhanawade	TEC	ELE I MST	3+0	15	5	20
		SEB	SMD	3+6			
8	Siddesh Bandekar	BEABC	ELE I FEA	3+6	19	_	2255 J
0	*	BEABC	DOM	4+6	19	5	24
9	Aditya Bawane	SEA	ET	3+6	9	5	14
20	Vijaya Narsu Awati	BEC	н&Р	3+6	9	5	14
1	Dr. Nilesh Alone	BEC	DOM	4+6	9	5	14
2	Shekhar Gulwade	BEB	H&P	3+6	9	5	14
3	Mahesh Shinde	TEB	меснх	3+6	9	5	14
4	Amol Parshuram Yadav	TEC	NSM	3+6	15	5	20
5	Namrata Rananaware .	SEB	ET	3+6	9	5	14

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27	VIJAY KHARADE	SE A	SM	3+6	9	5	14	
28	Prof.Amruta Ranaware	SE B	SM	3+6	9	5	. 14	
29	Prof.Ganesh Lamdhade	TÉ C	MECHX	3+6	9	5	14	
30	Prof.Pooja B Patil	TE C	SD	0+6	45	_		
30	riot.rooja 8 ratii	SE C	SM	3+6	15	5	20	
31	Prof.Akshay S Ajankar	BE B	CAD/CAM	3+6	45	_		
	i turnonay o njarikar	BE C	CAD/CAM	0+6	15	5	20	
32	Dr. Jahier Abbas Shaikh	TE B	NSM	3+6	45			
J.Z.	Di. Vallier Abbas Stidikii	TE C	DML	0+6	15	5	. 20	
22	Dref Volker Catal Codhalas	TÉ B	DME	3+6	45			
33	Prof.Kelkar Satej Sudhakar	TEB	DML	0+6	15	5	20	

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Dr. P. A. Patil

Head of Department

Professor & Head In Mech. Engs. Department JSPM's Jayandres Kowari College of Engagesia : Hadapsor, Pune- 411 028

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Module coordinator details of All department

JSPM's Engineering Institutes AY 2021-22, Sem-I Details of Modules of 1st Semester

Imp Instruction : PI read all the common instructions given in 1st sheet here, before filling the info of module.

Imp Instruction: To keep uniformity, the HoDs of BSIOTR, BSCOER and NTC are requested to add 4th module of Allied Engineering.

Name of Institute & Campus :JSCOE

Department : Mech Engg Whatsapp Mob No of HoD :

Name of HoD: DR. P. A. Patil

Whatsapp Sr. Name of Module Mob No of Names of 1st sem subjects under this module Class Name of Module SEMESTER Remarks No Coordinator Module (write full name) (FE/SE/TE/BE) Coordinator Solid Mechanics SE (2019) Solid Modeling and Drafting SE (2019) 1 Design Engineering Prof. Suhas Shinde 9960354957 Geometric Dimensioning and Tolerancing Lab SE (2019) Design of Machine Elements (TE(2019) Dynamics of Machinery BE(2015) Engineering Mathematics-I FE (2019) Engineering Physics FE (2019) Systems in Mechanical Engineering FE (2019) Thermal & Fluid Prof Laxman Mane Engineering Thermodynamics SE (2019) Engineering Heat and Mass transfer TE (2019) Hydraulics and Pneumatics BE (2015) HVAC & R BE (2015) Engineering Physics FE - Sem-I (2019) Systems in Mechanical Engineering FE - Sem-I (2019) Workshop FE - Sem-I (2019) Engineering Mathematics - III SE - Sem-I (2019) Engineering Materials and Metallurgy SE - Sem-I (2019) Manufacturing Dr. Prakash Kadam 9823204824 Geometric Dimensioning and Tolerancing Lab Engineering SE - Sem-I (2019) Advances in Production Technology TE - Sem-I (2019) Digital Manufacturing Laboratory TE - Sem-I (2019) Enconectriq CAD CAM Automation BE - Sem-I (2015) BE Elective II-Automation Sem-I (2015) Solid Modeling and Drafting SE(2019) Electrical and Electronics Engineering SE(2019) numerical and Statistical Methods 4 Alfed Engineering TE(2019) Prof. Manisha Nalawade Mechatronics TE (2019) CAD CAM Automation BE (2015) Finite Element Analysis BE (2015)

JSPM's

JayawantraoSawant College of Engineering, Hadapsar. Pune-28

Department of Mechanical Engineering

Curriculum Enrichment Program for 2021-22Sem-I

GAP AnalysisWith Program Objectives for CEP

INTRODUCTION:

OBE (Outcome Based Education) is the key aspect for educational institutes in this era of globalization. While studying and at the time of passing out from the institute what the students have achieved (Knowledge, Awareness, Ethics, Moral, etc.) is the main point of concern. Central government of India has specified 12 attributes, a graduate engineer should possess and in OBE, quality of education or gain of the students is quantified in terms of attainment of these attributes.

In view of OBE; mere completion of syllabi as stipulated by the University will not be enough to fulfill the needs of OBE and hence to give justice to syllabi as well as the OBE, it is required to frame the curriculum in such a way that, while sticking to University syllabus still efforts are made to attain the more and more attributes to the best possible level. Therefore in view of this goal, this Curriculum Enrichment Program has been organized by the institute to frame out the curriculum for semester-I subjects of Academic Year 2021-22 where efforts will be made to design activities in such a way as to help attain the attributes at best possible level

PROGRAMME OBJECTIVES:

The participants through this CEP should:

- SPPU CO-PO mapping, CO formation, CO-PO-PSO mapping.
- · Attainment Levels and Actions for improvement
- Develop an appreciation of case method in teaching and learning in Mechanical Engineering.
- · Become aware of background preparation required to become successful case teachers;
- · Get motivated to use case method of teaching in appropriate learning contexts.
- To design ICT based teaching learning material to be collecting and develop and also prepare academic plan subject wise.

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	8	Activity 3:- Ima	ge related Quiz	(Addressing B	L4)	 						
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		Theory Question	n Bank		. Intolac	Content						
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14	Elect-I (FEA)	SCB	Y	Y	N	Y	Ÿ	Ÿ	Y	Y	N	
15	Elect-I (HVAC)	PAP	N Y	N	N	N	N	N	N	Y	Y	
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Hadapsar, June-28,

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PRINCIPAL J.S.P.M.'S Jayawantrao Sawant College of Engg. Hadapsar, Puna-28

-	1-1-1				DEPAR	TMENT OF MEC	COLLEGE OF ENGI HANICAL ENGINE	ERING				
-					Curr	iculum Enri	chment Prog	ram				
-			N				2021-22, Sem.					
-				Was	100v10	24 202117	activity Repo	rt (Unit iii 8	(vi v			
				WEG		-24, 2022 /	Accorded Webs		,		Status	of the Tasks
ı		Sr. No	0 11 1 11 11		Tasks						Y	Completed
- 1		1	Syllabus of Unit								N	Incomplet
- 1		2	Applicable pictu								NA.	Not Applicat
- 1		3	Self-Video Lect								100	1101199-201
		4	Notes as per sy		ks/Typed/han	dwritten)						
		5	Activity 1:- Sim									
		6	Activity 2:- Gan									
		7	Activity 3:- Image									
		8	Activiy 4:- Num	erical Quiz/ Gar	me Pedagogy	-II/H5P Interact	ive content					
		9	Theory Questio	n Bank	- COUNTRY							
			Subject					Tasks			7	
	Sr. No.	Subject	Teacher	11	2	3	4	5	6	7	8	9
	1	SM	VGK	N	N	N	Υ	N	N	N	N	Y
	2	SMD	MVH	N	N	N	N	N	N	N	N	N
	3	ET	ASB	N	N	N	N	N	N	N	N	N
			NDR	N	N	N	N	N	N	N	N	N
			CCM	N	N	N	N	N	N	N	N	N
	3	EMM	ALD	Υ	Y	γ	Y	Y	Y	Y	Y	Y
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	4	EEE	SVG	N	N	Υ	N	N	N	N	N	N
	5	DME	MKG	N	N	N	N	N	N	N	N	N
			PEK	Y	N	Υ	Y	Y	Υ	Y	Y	Y
- 1	6	MECHX	MAN	Y	Y	N	Y	N	N	N	N	Y
- 1			MCS	Υ	Y	Υ	Υ	Y	Υ	Y	Y	Υ
Į.	7	HMT	PNP	Y	Y	N	Υ	Y	Υ	Y	Υ	N
ļ			LNM	Y	Y	N	Y	Y	Υ	N	Y	N
ļ			RKS	Υ	Y	N	Y	Y	Υ	Y	Y	N
	8	ELE-I APT	SAD	Y	Y	N	Y	Y	Y	Y	Y	Y
1		l lieu	FHK	Y	N	Y	Y	_ Y	Y	Y	Y	Y
	9	NSM	SPP	N	N	N		N	N	N	N	N
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c Want la	in cawant	CHAULOMOT	LNM	Y	Ϋ́	Y	Ÿ	Y	Y	Y	Y	10
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PRINCIPAL

J.S.P.M. S. Layawantao Sawant

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Figure 1. The square of England

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Figure 1. The square of England

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		-0.10	W	eek 3 Uulv	26-31, 2021)	Activity Ron	ort Illnit v	2. viil			
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	2	Applicable pict		contant of unit	-	-	ł			Y	Complete
	3	Self-Video Lec	turne or nor co	ntant /Min S v	idos	-	1			N	Incomple
	4	Notes as per s	vilabue / Flink	oke/Tunad/ha	ideo	 				NA.	Not Apple
	5	Activity 1:- Sim		l ypeuma	nownitien)						
1	6	Activity 2:- Gar									
	7	Activity 2: Ima	ne redagogy -	/A.1.1	DI O						
	8	Activity 3 - Ima	ge related Qui	Addressing	BL4)						
		Activity 4:- Num	iencal Quiz/ G	me Pedagog	-II/H5P Interac	tive content					
	9	Theory Question	on Bank								
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1	SM	VGK	N	N	N	Y	Y	N	N	N	N
3	SMD	MVH	N	N	N	N	N	N	N	N	N
3	ET	ASB	N	N	N	Y	N	N	N	N	N
-		NDR	N	N	N	N	N	N	N	N	N
3	EMM	CCM	Y	<u> </u>	N	Y	N	N	N	N	N
3	EMM	ALD SBP	Y	Y	Y	Y	Y	Y	Y	Y	Y
-	-	PGK	Y	Y	Y	Y	Y	Y	Y	Y	Y
4	EEE	SVG	N N	Y N	Y	Y	<u> </u>	Y	Y	Y	Y
5	DME	MKG	N N	N N	N	N	N	N	N	N	N
3	DINC	PEK	Y	N N	Y	N Y	N Y	N Y	N Y	N	N
6	MECHX	MAN	N	N	N N	N	N N	N	N N	<u>Y</u>	
U	WILDIA	MCS	Y	Ÿ	Y	Y	Y	Y	Y	N Y	N
7	HMT	PNP	Ý	Ý	N	Ý	Y	Y	Y		
	11001	LNM	Ÿ	Ÿ	N	Ÿ	Y	Y	Y	Y	N
		RKS	Ÿ	Ÿ	N	Ÿ	Ÿ	Y	Y	Y	N
8	ELE-I APT	SAD	N	N	N	N	N	N	N	N N	N
-		FHK	-Ÿ -I	N	Ÿ	Ÿ	Ÿ	N	N	N	Y
9	NSM	SPP	N	N	N	N	N	N	N	N	N
-	110	APY	N	N	N	N	N	N	N	N	N
10	DML	FHK	N	N	. N	N	N	N	N I	N	N
		SAD	N	N	N	N	N	N	N	N	N
11	H&P	SRG	N	N	N	N	N	N	N	N	N
		SST	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Y
		VNA	N	N	N	N	N	N	N	N	N
12	CAD/CAM	SMS	N	Y	N	Υ	Υ	Υ	Y	Y	Y
13	DOM	SCB	Υ	Y	Y	Y	Υ	Y	Y	Y	Y
		NUA	Y	Y	N	Y	Υ	Y	Y	Y	Y
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14	Elect-I (FEA)	SCB	N	N	N	N	N	N	N	N	N
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PRINGUES L J.S.P.M.'S Jayuwan ao Sawant College of Eligs. Hadapsar, Pune-28

JAYAWANTRAO SAWANT COLLEGE OF ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING **Curriculum Enrichment Program**

Academic Year 2021-22, Sem. I Week 4 (Aug 02-07, 2021) Activity Report (Experiments)

Sr. No	Tasks	and the few or entered to the con-
1	Experiment videos out of 8	
2	Experiment quiz available out of 8	

Stat	us of the Tasks
Υ	Completed
N	Incomplet
NA	Not Applicable

		Subject	Tas	sks
Sr. No.	Subject	Teacher	i a tizibir	2
1	SM	VGK	N	N
2	SMD	MVH	N	N
3	ET	ASB	N	N
		NDR	N	N
		CCM	N	N
3	EMM	ALD	Y	Υ
		PGK	Y	Y
		SBP	Υ	Y
4	EEE	SVG	N	N
5	DME	MKG	N	- N
		PEK	Υ	N
6	MECHX	MAN	N	N
		MCS	Υ	Y
7	HMT	PNP	N	N
		LNM	Υ	Y
		RKS	N	N
8	ELE-I APT	SAD	NA	NA
		FHK	NA	NA
9	NSM	SPP	N	N
		APY	N	N
10	DML	FHK	N	N
		SAD	N	N
11	H&P	SRG	Y	Y
		SST	Y	Y
		VNA	N	· N
12	CAD/CAM	SMS	N	N
13	DOM	SCB	Y	Y
		NUA	Y	Y
		PGK	Ÿ	Y
14	Elect-I (FEA)	SCB	Y	
15	Elect-I (HVAC)	PAP	Y	Y
Jay avanta	PILAUTOMOT	ALD		Y
negii ig Ha	Elect-II (EAM)	LNM	NA NA	NA
18	Elect-II (OR)	MAN	NA NA	NA NA

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JSPM's

JayawantraoSawant College of Engineering, Hadapsar. Pune-28

Department of Mechanical Engineering

Curriculum Enrichment Program for 2021-22 Sem-I courses Program Schedule

Date	Week	Program Schedule
July 12-17, 2021	Week 1	Syllabus of Unit 1 & 2 Applicable picture, depicting content of unit Self-Video Lectures as per content (Min.5 video Notes as per syllabus (Flipbooks/Typed/handwritten) Activity 1:- Simple Quiz Activity 2:- Game Pedagogy -I Activity 3:- Image related Quiz (Addressing BL4) Activity 4:- Numerical Quiz/ Game Pedagogy -II/H5P Interactive content Theory Question Bank
July 12-17, 2021	Week 2	Theory Question Bank Syllabus of Unit 3 & 4 Applicable picture, depicting content of unit Self-Video Lectures as per content (Min.5 video Notes as per syllabus (Flipbooks/Typed/handwritten) Activity 1:- Simple Quiz Activity 2:- Game Pedagogy -I Activity 3:- Image related Quiz (Addressing BL4) Activity 4:- Numerical Quiz/ Game Pedagogy -II/H5P Interactive content Theory Question Bank
July 26-31, 2021	Week 3	Syllabus of Unit 5 & 6 Applicable picture, depicting content of unit Self-Video Lectures as per content (Min.5 video Notes as per syllabus (Flipbooks/Typed/handwritten) Activity 1:- Simple Quiz Activity 2:- Game Pedagogy -I Activity 3:- Image related Quiz (Addressing BL4) Activity 4:- Numerical Quiz/ Game Pedagogy -II/H5P Interactive content Theory Question Bank
Aug 02-07, 2021	Week 4	Experiment videos out of 8 Experiment quiz available out of 8

JSPM's Jayawant.ao Sawant College Of Engineering Hadapsar, Pune-28. S/JEINTIA BAJA TEAM

Professional Property Advisor PM's Javanian American Samuel Committee of the Committee of t JSPH's Jaywantrao Sawant College of Engineering Hadapear, Punc 41: 028

PRINCIPAL J.S.P.M.'S Jay awanisho Sawant College of Engg. Hedapsar, Pull-28

Chief Patron Hon'ble Shri. T. J. Sawant Founder Secretary Jayawant Shikshan Prasarak Mandal,Pune

Patron
Dr. M. G. Jadhav
Campus Assistant Director, JSPM's JSCOE,
Hadapsar

Prof. Sanjay Sawant Assit. Campus Director, JSCOE, Hadapsar

Organizing Chairman
Prof. Dr. R. D. Kanphade
Principal, JSPM's, JSCOE, Hadapsar, Pune-411028.

FDP Secretary

Prof. Suneeta Phadkule

HOD, Mechanical Engineering

Email: suneetaphadkule@yahoo.co.in

Contact No: +919422538856

CDP Convener
Prof. Dr. Pradeep A. Patil
HOD [MECH], Contact No: +919765542844

Advisory Committee
Dr. A. G. Kharat, Director Academics.
Prof. Anil Bhosale, Deputy Director Academics
Prof. Hemant Joshi- ARQAC Member.
Dr. Nitin Khardekar- ARQAC Member.

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Prof. Dr. Prakash Kadam	98232 04824
Satej Kelkar	98220 29364
Mahesh Gaikwad	98222 80955
Pradnya Kosbe	94219 58594
Laxman Mane	99227 47745
Ulhas Malwade	99755 63891
Suvarna Ghadge	98227 39598
Amol Kokare	94218 66313
Manisha Nalawade	94238 04029

About The JSPM

yawant Shikshan Prasarak Mandal was set up in 14 Ander able & dynamic leadership of Prof. T. J. Sawant with an objective of providing quality education in fields of Engineering, Management, Computer Applications, Pharmacy, Education & Basic School education from Kinder Garden onwards. In short "Quality Education from K.G to P.G."
There are 55 institutes under the aegis of JSPM offering full fledged school education, Diploma, Graduation, Post graduation in various branches of Engineering & Management, at five educational campuses ideally located in various parts of Pune city in picturesque environment conducive for better & effective Teaching – Learning process.

About Jayawantrao Sawant College of Engineering

Jayawantrao Sawant College of Engineering, since its establishment in 2004 is involved in practicing various teaching learning methodologies of excellence to deliver quality engineering education to students coming from all corners of the country. The institute is located at Hadapsar (Pune) surrounded by industries, IT companies & reputed townships. The excellent academic calendar with space for individual skills and personality development, excellent team work of faculty members & initiative for industry interface are salient features of the college.

About Savitribai Phule Pune University

Savitribai Phule Pune University (SPPU) formerly University of Pune, called as the Oxford of East, is one of the leading Universities in India. The National Assessment and Accreditation Council has given five star rating and UGC has identified SPPU as the "University with Potential for Excellence (UPE)". SPPU is one of the largest in world with more than five lakh students studying in 58 Post graduate departments, research centres and more than 800 affiliated colleges. SPPU supports R&D activities undertaken y affiliated colleges to a great extent. The atmosphere in Pune is quite pleasant to stay during winter season. It is well connected by all means to all corners of the country.

E-mail Address for Communication jscoemechanical@gmail.com

Organized by
Dept of Mechanical Engineering
Contact: (020)-26970886
www.jspm.edu.in



JSPM's JAYAWANTRAO SAWANT COLLEGE OF ENGINEERING Hadapsar, Pune – 411028

Announces



4 Week Curriculum Enrichment Program

> On Curriculum Design for Semester-I Subjects

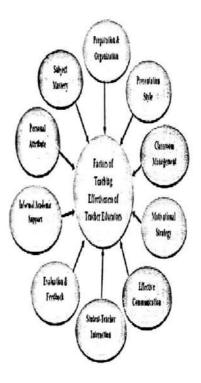
12th July. to 07th Aug. 2021

Sponsored by



JSPM Pune

About FDP



OBE (Outcome Based Education) is the key aspect for educational institutes in this era of globalization. While studying and at the time of passing out from the institute what the students have achieved (Knowledge, Awareness, Ethics, Moral, etc.) is the main point of concern.

Central government of India has specified 12 attributes, a graduate engineer should possess and in OBE, quality of education or gain of the students is quantified in terms of attainment of these attributes.

In view of OBE; mere completion of syllabi as stipulated by the University will not be enough to fulfill the needs of OBE and hence to give justice to syllabi as well as the OBE, it is required to frame the curriculum in such a way that, while sticking to University syllabus still efforts are made to attain the more and more attributes to the best possible level. Therefore in view of this goal, this Faculty Development Program has been organized by the institute to frame out the curriculum for semester-I subjects of Academic Year 2021-22 where efforts will be made to design activities in such a way as to help attain the attributes at best possible level

Date	Week	
July 12-17, 2021	Week 1	Syllabus of Unit 1 & 2 Applicable picture, depicting content of unit Self-Video Lectures as per content (Min.5 video Notes as per syllabus (Flipbooks/Typed/handwritten) Activity 1:- Simple Quiz Activity 2:- Game Pedagogy -I Activity 3:- Image related Quiz (Addressing BL4) Activity 4:- Numerical Quiz/ Game Pedagogy -II/H5P Interactive content Theory Question Bank
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Aug 02-07, 2021	Week 4	Experiment videos out of 8 Experiment quiz available out of 8

JSPM's

JayawantraoSawant College of Engineering, Hadapsar. Pune-28 Department of Mechanical Engineering

Curriculum Enrichment Program for 2021-22Sem-I

CEP COMMITTEE DETAILS

Chief Patron

Hon'bleShri. T. J. Sawant Founder Secretary JayawantShikshanPrasarakMandal.Pune

Patron

Dr. M. G. Jadhav CampusAssistant Director, JSPM's JSCOE, Hadapsar Prof. Sanjay Sawant Assit. Campus Director, JSCOE, Hadapsar

Organizing Chairman

Prof. Dr. R. D. Kanphade Principal, JSPM's, JSCOE, Hadapsar, Pune-411028.

FDP Secretary

Prof. SuneetaPhadkule HOD, Mechanical Engineering Email: suneetaphadkule@yahoo.co.in Contact No: +919422538856

FDP Convener

Prof. Dr. Pradeep A. Patil
HOD [MECH], Contact No: +919765542844
Advisory Committee
Dr. A. G. Kharat, Director Academics.
Prof. Anil Bhosale,
Deputy Director Academics
Prof. Hemant Joshi- ARQAC Member.
Dr. NitinKhardekar- ARQAC Member.

Organizing Committee

Prof. Dr. PrakashKadam 98232 04824 Prof. Dr. Nilesh Alone9881933885 SatejKelkar 98220 29364 Mahesh Gaikwad 98222 80955 PradnyaKosbe 94219 58594 Laxman Mane 99227 47745 UlhasMalwade 99755 63891 SuvarnaGhadge 98227 39598 AmolKokare 94218 66313 ManishaNalawade 94238 04029 M Gmail

NileshAlone<alonenilesh@gmail.com>

CEP2021Certificate

1message

papatil73@gmail.com<papatil73@gmail.com>

Alonenilesh<alonenilesh@gmail.com>

Mon, Aug9, 2021 at 12:59 PMTo

To, Prof.NileshAloneAssistantP rofessor

CertificateofParticipation

🔐 DearSir/Madam;

I sincerely appreciate the quantum you devote while enriching curricula and plannedstrategies for achieving our academic goals. I appreciate the efforts you dedicated to get the taskcompleted on time during "FourWeekCurriculumEnrichmentProgram"(July12- Aug 08,2020) of Department of Mechanical Engineering ,JSPM's JaywantraoSawant College ofEngineering ,Hadapsar, Pune-411028.

Subject:DOMRole:Su bjectTeacher

Thankingyou

Prof.PradeepAnandraoPatil

Professor&HeadinMechanicalEngineeringDepartment

Vision:Toberecognizedasacenterofeducationforaspiringmechanicalengineercateringeverchangingneedsofindustry and society.

Jaywantra o Sawant College of Engineering, Pune, Maharashtra, India and Sawantra, In



JAYAWANT SHIKSHAN PRASARAK MANDAL'S Jayawantrao Sawant College of Engineering (Approved by AICTE, New Delhi, Govt of Mehargabitre and Affiliated to University of Pune)



Prof.Dr.T.J.Sawant
D.E.E., B.E.(Electroal), MISTE, Ph.C
FOUNDER SECRETARY

ved by AICTE, New Delhi, Govt of Maharashtra and Affiliated to University of Pune)
id.No.; PU/PN/Engg/199/(2004)

S. No.58, Handewadi Road, Hadepsar, Pune - 411028
Ph.:8484897374 Telefax: 020-26970880 ME.Ph.
Email: principal@japmjscoe.edu.in

Website: www.jspmjscoe.edu.in

Dr. Rajendra D. Kanphade M.E. Ph.D. (Electonics Engg.) LMISTE, FIETE, SMIEEE Principal

Ref. No: JSCOE / MECH /THANKS/21-22/

Date: 8/08/2021

To,

Dr. R.D. Kanphade Principal, J.S.C.O.E., Hadapsar, Pune- 411028.

Subject: Letter of Gratitude

Dear Sir,

Thank you very much for accepting our invitation and taking time out of your busy schedule. Your valuable suggestions and inputs will help us to shape our carrier in the same domain.

It has been a pleasure with your company, and we look forward to have better future educational endeavors.

Thanking you. Yours Sincerely,

Dr. P. A. Patil HOD Mech. Dept. JSPM's JSCOE, Pune-28

JSPM's

JayawantraoSawant College of Engineering, Hadapsar. Pune-28
Department of Mechanical Engineering

Curriculum Enrichment Program for 2021-22Sem-I

Inauguration Function Report

Curriculum Enrichment Programin JSPM's JSCOE Mechanical Engineering Department was inaugurated with the online meeting by the HOD Dr. P. A. Patilin presence of and all the staff memberson 12/07/2021. The CEP aims to prepare all the documents related to all the subjects of Mechanical Engineering for academic year2021-2022 (SEM-I) right from Gap Analysis to Assessment tool. The Program also intends to develop quality learning material for each subject.

				-	JAYAWA	NTRAD SAWANT	COLLEGE OF	ENGINEERING				
(8)					DEPAR	TMENT OF MEC	IANICAL EN	IGINEERING				
						iculum Enri						
					A	cademic Year	2021-22, 5	em. II				
		Water Control			Jan 09-1	0, 2022 Act	vity Rep	ort (Unit I	/)			
		Sr. No		o Her	Tasks		11000					s of the Tasks
		1	Syllabus of Ur	it							Y	Completed
		2	Applicable pic	ture, depict	ing content of	unit					N	Incomplet
		3	Self-Video Leo	tures as pe	er content (Mi	n.5 video)					NA	Hol Applicable
		4	Notes as per s	yllabus (F	lipbooks/Type	d/handwritten)						
	line and	5	Activity 1:- Sin	ple Quiz								
		6	Activity 2:- Ga	me Pedago	ogy -l				and the same			
		7	Activity 3:- Ima	ege related	Quiz (Addres	sing BL4)						
		8	Activiy 4:- Nur	nerical Qui	z/ Game Peda	gogy -II/H5P Ir	teractive c	ontent				
		9	Theory Quest			i T	-					
		- 77	Subject		31.02-15			Tasks			-	4
	Sr. No.	Subject	Teacher	1.	2	3	4	- 5	6	1	8	9
	1	EMIII	MMR	Y	γ	N	Υ	γ	Y	Y	Y	Y
	2	KoM	NUA	Y	Y	Υ	Υ	Υ	Y	N	N	Y
			SAD	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Y
	3	AT	ASB	Y	Y	Y	Υ	Υ	Y	Υ	N	Y
			NDR	1.1			Willin	nport data from	n SE Div A			
	4	FM	PAP	Y	Y	Y	Υ	Y	Υ	Y	N	Y
			VGK	Y	Y	Y	γ	Y	γ	Y	N	Y
			LNM	Y	Y	Y	Υ	Υ	γ	Y	N	Y
	5	MP	ALD				Will Im	port data from	SE-Div B			
			APY	Y	γ	N	N	Y	N	N	N	Y
	6	AIML	SPP				Will In	port data from	n TE-Div B			
		000000000000000000000000000000000000000	MCS	Y	N	N	Υ	N	Υ	N	N	N
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	8	DTS	PEK	Y	N	N	Υ	Y	Y	N	N	N
			MKG	Y	γ	N	N	Y	Y	γ	N	N
	9	ELEII	SBP	Y	γ	N	Υ	γ	Y	γ	N	Y
	10	EE	SRG	Υ	γ	N	Y	γ	Y	Y	N	Y
			SST	Y	γ	Y	Y	γ	Y	Y	N	Y
			PNP	Υ	Υ	N	Υ	γ	Y	Y	N	Y
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Course File AY 2021-22

• Course file index

JSPM's Jayawantrao Sawant COE, Hadapsar, Pune-28 Department of Mechanical Engineering OVERALL COURSE FILE INDEX (Semester wise)

Sr. No	Particulars
1	Vision and Mission of Institute and Department
2	PEOs, POs, PSOs, COs,
3	Institute and Department Academic Calendar
4	Class Time Table and Faculty Time Table
5	SPPU Contribution Letter e.g. Syllabus Detailing Workshop
6	SPPU Structure and Syllabus
7	Moodle Content Page
8	SPPU CO-PO mapping sheet
9	CO-PO mapping enrichment sheet
10	Subject wise gap analysis
11	Students' Database with Previous Semester Attendance and Result with remark of weak or bright
12	CO assessment plan
13	Teaching Plan of Theory & Practical with planned dates and actual dates
14	Theory Session Plan
15	SPPU Exam Question Papers along with Solution and Marking Scheme
16	Experiment Session Plan
17	Experiment wise performance parameter & rubric sheet
18	Assessment sheet of experiment rubric wise
19	PBL/Mini-project activity Performance Parameter
20	Midterm Question Bank for Week students
21	Midterm Question paper with solution, result and sample answer sheets
22	Midterm mark sheet in NBA format with question paper
23	End term Question Bank for Week students
24	End term Question paper with result and sample answer sheets
25	End term mark sheet in NBA format with question paper
26	Student activities evidences (innovative methods)
27	Guest Lecture Record (if any)/ Industry Visit record (if any)
28	Continuous assessment sheet
29	Co attainment
30	Teaching feedback

Subject wise gap

	Medule:	Martin and Bertal		Michigal of Museum House and Parties of the Market of the Market of Market of the Mark	iter Alded Engineering
Category	Relevant PO	Mapped	Compliance	Identified gaps	Action Plans
	100000000000000000000000000000000000000	Courses	status	(Statements of PIs)	(Activities planned)
Knowledge	POIL	CAE	Ponial	1.4.5 Apply principles' computational sections on a solve the complex engineering structural and flow problems	Determine the type of analysis, material officies and boundary conditions on the mechanical component (P) of activity No.3)
1				2.2.2 Identify, ensemble and evaluate information and resources.	Linerature Sorvey of domain (P2 of activity No. 3)
				2.2.4 Compare and common aftermotive solution processes to Select the best process.	Validation of results using anishytical nurthed 4P5 of experiment No. 06)
	IN)2	CAE	Portial	 3.3 Combine scientific principles and engineering concepts to formulate model's transformatical or otherwise) of a system or process that is approximate. 	Validation of results using artiflytical method. (P5 of experiment No. 01)
1				2.4.4 Researches afternative existing solutions	Validation of results using anialytical method. (P5 of experiment No. 01)
Problem- solving Neills	POS	CAE	Portial	3.1.1 Understands the nature of the complex open- ended engineering problems	Determine the type of analysis, material selection and boundary conditions on the mechanical component (P) of activity No.3)
	Ret	CAE	Pretrail	4.1.2 Examine the refevent methods, toob and techniques of experiment design, system calibration, data acquisition, analysis and presentation.	Determine the type of analysis, material selection and boundary conditions on the mechanical component (P) of activity No.3)
				5.1.1 Identify modera engineering tools such as computer aided drafting, ICT tools, modeling and analysis; techniques and resources for engineering activities.	Interactive videos of all practicals, game pedegogy used through models for all units
	PC35	CAE	Partial	5.1.2 Counte/adapt/modify/extend tools and techniques to solve engineering problems	Determine the type of analysis, material selection and boundary conditions on the mechanical component (P) of activity No.3)
				5.2.2 Demonstrate profesency in using discipling specific tools	Cartification of Basic ANSYS Workberch Course
	PCW		Partial	9.3.1 Present results as a scare, with amounts integration of contributions from all individual offorts	Communicate analysis through effective report writing and presentation (P5 of activity No. 3)
Supporting skills	799	CAE	Partial	10.1.3 Create flow in a document or presentation - a logical progression of ideas so that the main point is clear	Communicate analysis through effective report writing and presentation (P5 of activity No. 3)
	208	EAE	Parkel	8.2.2 Examine and apply moral & otheral principles to known case studies	Literature Survey of domain (P2 of activity No. 3)
Attitude	PO12	CAE	Partial	12.1.2 Identify deficiencies or gaps in knowledge and demonstrate an ability to source information to close this gap through student activities	Represent the obtained values of stress, strain and maximum deflection in tabular form.

Prof. A.P. Rammaware

Dr. E. S. Altyrade

Dr. P. G. Kadam Program Co-ordinator Dr. P. A.Patil

Teaching plan

Teaching, Learning and Assessment Plan

Name of Faculty: Amruta Rananaware

Subject: Computer Aided Engineering [302050]

Class: T.E.

Distriction D

Planned Duration: 47

SPPU Exam: ISE (30 M), ESE (70 M), Practical (50 M)

Course outcomes: Students should be able to

CO.1:-DEFINE and SELECT Element type for CAE tools and DESCRIBE the significance of shape functions in finite element formulations.

CO.2:- APPLY the various meshing techniques and proper element type for better evaluation of approximate results.

CO.3:- APPLY and Analyze material properties and boundary condition to SOLVE 1-D element stiffness matrices to obtain nodal or elemental solution using CAE software and validate analytically.

CO.4:- APPLY and Analyze material properties and boundary condition to SOLVE problems other than 1-D. And solve element stiffness matrices to obtain nodal or elemental solution for 2D elements using CAE software and validate analytically.

CO.5:- EVALUATE and SOLVE non-linear and dynamic analysis problems by analyzing the results obtained from analytical and computational method.

CO.6:- Explain various processes and CAE software for analysis of CFD, Injection molding of plastic, Casting and Sheet Metal, and NVH analysis.

Sr		2000			T		Teaching	E707 96	1	T	1
N	Content	Dura-	Planne	Actual	CO	Teaching	Model	Student	Student	Relevant Short	Assessm
0		tion	d Date	Date		Method	(Physical /Online)	Learning Material	Activity	Video Link	nt tool
						Prerequisite	5				
la	Solid Mechanics-Stress and strain Introduction to Deflection of beams		01/2/22			Interactive learning	Online	10 min. Video of introductio n to stress and strains	Watch and Understand the concept of stress and strain	https://www.youtu be.com/watch?v=a Qf6Q8r1FQE	
њ	Numerical Methods Newton		01/2/22			Interactive learning	Online	20 min. video of Deflection in beams	Watch and Understand the concept of deflection in beams	https://www.yout ube.com/watch?v= MvBqCeZlipQ	
1c	Raphson method, RungeKutta.	1 Hrs.				Interactive learning	Online	12 min. video of Newton Raphson Method	Watch and understand the basics of Newton Raphson method	https://www.yout ube.com/watch?v= PIPiv6gn_Ls	MCQ Test
ld	Manufacturing- Plastic Injection molding					Interactive learning	Online	3.35 min. video of Plastic Injection molding	Watch and Understand the manufacturing process of plastics	https://www.yout ube.com/watch?v= QgULrwDPxE	
e	Heat and Mass transfer					Interactive learning	Online	5 min. Video of introductio n to Heat transfer	Watch and Understand basic concept of heat transfer	https://www.yout ube.com/watch?v= ObwHydso4JY	
	Unit 1 Elemental Properties - CO.1: -DEI	FINE the	use of CA	E tools	and DF	SCRIBE the	significance	e of chana film	ctions in finite also		
	Introduction to Computer Aided Engineering (CAE), Use of CAE in Product development.	1	03/2/22	10.00		Chalk & Board, PPT	Physical	Notes +	orono in minic cie	https://youtu-be/6 T16MRmaGcs	Mid Term Test &
2	Discretization methods - Finite Element Method (FEM), Finite Difference Method (FDM) and	1 hrs	042/220	2 2 2	COI	Chalk & Board, PPT	Physical	Notes +		https://youtu.be/P orGJxlzl9s	MCQ test

	Minimum and Maximum ar Average element size, Mini Length, skewness, Tetra Col etc.,	mum					PPT		7				
11	Higher Order Element vs ! Refinement,	Mesh	1hrs	16/0/22	16/3/2	CO2	Chalk & Board, PPT	Physical	4	Notes +			
12	Geometry Associate Mesh, quality,	Mesh	Ihrs	17/3/22	17/3/22	CO2	Chalk & Board, PPT	Physical		Tr.			
13	Bolted and welded representation, Mesh indepen- test.	oints ndent	Thrs	21/3/22	21/3/h2	CO2	Chalk &	Physical	1				
Sr. No	Content	Du ra- tio	Plann d Dat	7,000		ю	Teaching Method	Teachi Mode (Physic	d cal	Student Learning Material	Student Activity	Relevant Short Video Link	Assessmen I tool
_	,												
	Unit 31D Finite Element CO.3:- APPLY material properti the form of contour plot by the U	es and	bounda		n to SOL	VE I-D	element stiffne			btain nodal or e	lemental soluti	on and GENERATE	he results in
14		es and SE of	CAE too		T	O3	element stiffne Chalk & Board	ss matrices	to o	btain nodal or e	lemental soluti	on and GENERATE	
14	CO.3:- APPLY material property the form of contour plot by the U Consistent Unit System, Introduction to approaches used in Finite Element Analysis (FEA) such as direct	es and SE of Ihr s	CAE too	ils.	12 C	О3		ss matrices Physic	to o		elemental soluti	on and GENERATE	Mid Term Test & MCQ test

17	Bar and Truss Element - Practice Numerical for the same	The	28/3/22	29/3/22	C03	Chalk & Board	Physical	7	
18	Bar and Truss Element - Practice Numerical for the same	lhr s	29/3/22	80/9/92	CO3	Chalk & Board	Physical	Yniotest	
19	Temperature effect on Bar Element- Calculation due to uniform temperature change,	1hr s	30/3/82	31/8/22	CO3	Chalk & Board	Physical	PPT	
20	Temperature effect on Bar Element- Stress and reaction forces calculations.	1 hrs	31/3/22	11/4/22	CO3	Chalk & Board	Physical		
21	Temperature effect on Bar Element- Practice Numerical for the same		4/3/22	12/4/22	CO3	Chalk & Board	Physical	1	

Sr. No	Content	Dura- tion	Planne d Date	Actual Date	co	Teaching Method	Teaching Model (Physical /Online)	Student Learning Material	Student Activity	Relev ant Short Video Link	Assessment too
	Unit 42D Finite Element And CO.4:- SOLVE 2-D element stiffness	alysis matrices	to obtain n	odal or eleme	ntal solu	ition, and GENER	ATE the results in	n the form of co	tour plot by		of CAE tools
22	Plane Stress-Strain, axi-symmetric problems in 2D elasticity.	1 hrs		18/4/22	COCK A	Chalk & Board	Physical	\Box	1		or CAL tools.
23	Constant Strain Triangle (CST) - Element Stiffness matrix, Assembling stiffness equation, Load vector, Stress and reaction forces calculations.	1hrs	12/4/22	19/4/22	CO4	Chalk & Board	Physical	Motes topt			End Term Test
24	Constant Strain Triangle (CST) - Practice Numerical for the same	thrs	13/1/22	20/4/22	CO4	Chalk & Board	Physical				& MCQ test
25	Constant Strain Triangle (CST) - Practice Numerical for the same	thrs	18/4/22	21/4/22	CO4	Chalk & Board	Physical				
26	Post Processing Techniques - Check and validate accuracy of results,	lhrs	19/4/22	25/4/22	CO4	Chalk & Board	Physical				

	Avenue on A 41	and the same											
0	Average and Un-average s and special tricks for Processing.	tresses. Post		20/4/02	26/4/22	C04	Chalk a Board		hysical			T	
	Interpretation of results and modifications CAE	design	1			C04	Chalk &		enseered	Notes			
H	modifications, CAE reports.	L.C	Thrs	21/4/22	27/4/22	CO4	Board	8	ysical	+ ppt			
-	29 Constant Strain Triangle (C Practice Numerical for the san	CST) -	thrs	25/4/22	28/4/22	CO4	Chalk & Board		ysical				
	Sr. Vo Content	De a tie	Charles Bridge Co.	Actua	co		eaching lethod	Teaching Model (Physical	Student Learning Material	Student Activity	Relevant S Video Lin		Assessmen
l	Unit 5Non-Linear and CO.5:- EVALUATE and SOL	Dyna VE nor	mic A	nalysis	analysis neol	blanc be		/Online)		I to come and			18 3
3	Non-Linear Analysis Introduction to Nonliner	s: of the		2 2 5 0		Chalk		Physical	7	nous numerica:	methods and c	computati	onal method
3	Types of Nonlinearities		rs als	22 2 5 2	2. CO5	C halk Board		Physical	+ ppt				
32	Analysis of Geometric Material Nonlinearity,	the	s 2/s	2 2 2 15 2	CO5	Chalk Board	200000000000000000000000000000000000000	Physical					End Term
33	Solution Techniques for Nonlinear analysis, Newtor Raphson Method, Essential steps in Nonlinear analysis.		0.30	224/5/29	1	Chalk Board		Physical					Test & MCQ test
34	Dynamic Analysis: Introduction to Dynamic Analysis,			12415/2		Chalk Board,	, PPT	Physical					
35	Comparison of Static and Dynamic analysis,	Thrs	5/5/	22 5/5/2	CO5	Chalk Board,		Physical	7				
36	Time domain and frequency domain, Types of loading.	Ihrs	5/5/2	5 5 5 0 2	COS	Chalk Board	, PPT	Physical	J Notes	-			
	Time domain and frequency domain, Types of loading. Simple Harmonic motion, Free vibration, Boundary conditions of free vibration, Solution.		-15/2	2 5 5 22	COS		& PPT	Physical Physical					
37 Sr.	Simple Harmonic motion, Free vibration, Boundary conditions of free vibration, Solution. Content	lhrs Dura -tion	S S 2	Actual Date	cos	Chaik Board,	& PPT	Physical Teaching Model (Physical		Student Activity	Relevant Video l		77.20
36 37 Sr.	Simple Harmonic motion, Free vibration, Boundary conditions of free vibration, Solution. Content Unit 6Applications of Co	Dura -tion	Plan ned Date	Actual Date	cos	Chalk Board,	& & PPT	Physical Teaching Model	Student Learning	Student	7073017900		77.27.4
37 Sr.	Simple Harmonic motion, Free vibration, Boundary conditions of free vibration, Solution. Content Unit 6Applications of Co CO. 6: Describe applications of Co Computational Fluid	Dura -tion	Plan ned Date	Actual Date	cos	Chalk Board, Tea Me	& & PPT	Physical Teaching Model (Physical	Student Learning	Student	7073017900		77.27.4
37 Sr.	Content Unit 6Applications of Co CO. 6: Describe applications of C Computational Fluid Dynamics (CFD): Introduction, Three dimensions of Fluid Dynamics,	Dura -tion mput AE in	Plan ned Date er Aid various M	Actual Date	cos	Chalk Board, Tea Me Iomains.	& PPT & PPT aching ethod & Board,	Physical Teaching Model (Physical	Student Learning	Student	7073017900		77.27.4
37 Sr. No	Content Unit 6Applications of Co Co. 6: Describe applications of C Computational Fluid Dynamics (CFD): Introduction, Three dimensions of Fluid	Dura -tion mput AE in	Plan ned Date er Aid various M	Actual Date	COS CO eering ngineering o	Chalk & PPT	& PPT & A. PPT Aching ethod	Physical Teaching Model (Physical /Online)	Student Learning Material	Student	7073017900		Assessm
37 Sr. No	Content Computations of Co Co. 6: Describe applications of Co Computational Fluid Dynamics (CFD): Introduction, Three dimensions of Fluid Dynamics, Equilibrium Equation for a fluid, Conservation form of Fluid flow equation, Integral form of the Conservation Laws.	Dura -tion mput AE in	Plan ned Date er Aid various M	Actual Date ed Engindechanical e	COS CO cering ngineering of	Chalk & PPT	& PPT & PPT aching ethod & Board,	Physical Teaching Model (Physical /Online) Physical	Student Learning Material	Student	7073017900		tool
37 Sr. No	Content Con	Dura-tion mput AE in thrs thrs	Plan ned Date er Aid various M	Actual Date ed Engine dechanical c	COS COS COS COS COS COS	Chalk & PPT Chalk & PPT Chalk & PPT	& & PPT & & PPT sching ethod & Board, & Board, & Board,	Physical Teaching Model (Physical /Online) Physical Physical	Student Learning Material	Student	7073017900		End Ter
37 Sr. No	Content Computations of Co Co. 6: Describe applications of Co Computational Fluid Dynamics (CFD): Introduction, Three dimensions of Fluid Dynamics, Equilibrium Equation for a fluid, Conservation form of Fluid flow equation. Integral form of the Conservation Laws. Injection moulding of Plastics: Simplification of Mould Geometry for FEA, Material Model for Mould FEA, Boundary Conditions for Mould FEA, Loading of	Dura-tion Mput AE in Thrs Thrs Thrs	Plan ned Date er Aid various M	Actual Date ed Engine dechanical e	COS COS COS COS COS COS COS COS	Chalk & PPT Chalk & PPT Chalk & PPT Chalk & PPT Chalk & PPT	& PPT & PPT & PPT aching ethod & Board, & Board,	Physical Teaching Model (Physical /Online) Physical Physical	Student Learning Material	Student	7073017900		77.7.7.7

	like Casting and Sheet Metal Applications: Introduction and workflow of Casting Simulation Software and Sheet Metal Applications.							12	etou.	
44	Durability Analysis: Durability, Reliability and Fatigue, FEA bases fatigue analysis viz: Stress-Life approach (S-N method) and Strain-Life approach (E-N method).	Ihrs	10 5 21	10 5 22	CO6	Chalk & Board, PPT	Physical		7497	
45	Crash Analysis: Introduction, Explicit time integration schemes, implicit integration schemes.	thrs	11 kla	11/5/22	CO6	Chalk & Board, PPT	Physical			
46	Noise Vibration and Harshness (NVH) Analysis: NVH Concepts, Terminology,	Ihrs	12/5/2	12/5/22	CO6	Chalk & Board, PPT	Physical			
47	FEA for structural Dynamics, FEA for Acoustics.	Ihrs	inlish	-12/5/22	CO6	Chalk & Board, PPT	Physical			

References:

- S. S. Bhavikatti, Finite Element Analysis, New Age International Publishers, Third Edition, 2015.
- 2. G Lakshmi Narasaiah, Finite Element Analysis, BS Publications / BSP Books, 2nd edition, 2020.
- 3. P. Seshu, Text book of Finite Element Analysis, PHI Learning Private Limited, New Delhi, 10th Printing, 2012.
- 4. Cook R. D., Finite Element Modeling for Stress Analysis, John Wiley and Sons Inc, 1995.
- 5. S. Moaveni, Finite element analysis, theory and application with Ansys, Pearson, Third Edition, 2011.
- J. N. Reddy, An Introduction to the Finite Element Method, Mcgraw Hill Series in Mechanical, 2005.

Web References:

1. https://nptel.ac.in/courses/112/104/112104116/-for Basics of Finite Element Analysis by Prof. NachiketaTiwari, IIT Kanpur.

- https://nptel.ac.in/courses/112/106/112106130/for Advanced Finite Element Analysis by Dr. R. Krishnakumar, Department of Mechanical Engineering, IIT
- 3. https://nptel.ac.in/courses/112/103/112103299/for Finite Element Analysis for Welding Analysis by Prof. Swarup Bag, Department of Mechanical Engineering, HT Guwahati.
- 4. https://sites.ualberta.ca/~wmoussa/AnsysTutorial/ for ANSYS Tutorials.

Name and Signature: Projector (Prepared By) Date: 01/02/22	Module Coordinator (Reviewed by)	(Approved by)

Copy To:(Soft copy of Signed document be provided)

1. Program Coordinator

2. Website coordinator

M's JSCOE HADAPSAR PUNE Department of Mechanical Engineering AY 2021-22, Sem-II

Laboratory & Activity Plan Course: Computer Aided Engineering

Exp. No.	Vnit No.	со	Planned week	Title	Batch	Actual Date	Assessme nt Date	Rema rks	Student Activity Dates	
1	m	00.1	CO 3	March 1 st	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	B1	10 03 22	17/08/22		
	""	COS	week	1D Bar Element Structural Linear Analysis	B2	08 03 22	15 03 22			
-			1011000000		B3	07/03/22	14 03 22			
2 1	111	CO 3	March2 nd	Page 10 Charles March 12 Co. Page 20 Co	81	17/03/22	24 03 22			
		603	Week	Truss Analysis using 1D Element	B2	15/03/22	22/03/22	-		
-			1,000,000		B3 B1	14/03/22	21/03/22			
3	IV	CO 4	March 3rd	Plate/Shell Element - Structural Linear and Non-Linear		24/03/22		-		
3	10	CO 4	Week	Analysis	B2	22/03/22		-		
-	-	-	77.530		B3	21/03/22		-		
4 1	IV	004	CO 4 March 4th Week	Section Company Colors, Mod. CO. M. School (Section Color) (Color Color) (Color Color) (Color) (Color) (Color)	B1	21 03/22	21 04 22	-		
	iv.	CO 4		Beam Element - Non-Linear Buckling Analysis	B2	29 03/22	19 04/22			
			-		B3	28/03/22	18 04 22			
5	m	соз	April 1 st	Thermal Analysis – Static/Transient Analysis	B1	21 04 22	28/04/22	-		
-			Week		B2	19/04/22	25/09/22	-		
-	-				B3	18 04 22	25 04 22	see.		
6	111	CO3	April 2 nd	6	B1	28 104 192	5 05 22	_		
~	555.0	003	Week	Coupled Analysis- (Structural + Thermal)	B2		2 05 22	-		
-	-				B3	27 04/22	2/05/22.	-		
7	10.0		April 3rd		B1	5 05 22	9/05/22			
(IV	CO 4	O 4 Week	Analysis of Machine Component using 3D Elements	B2		9/05/22			
	_		5.8393005.	A STATE OF THE PARTY OF THE PAR	B3	THE RESERVE OF THE PARTY OF THE	9 05 22			
	S\$555	54.44.5 T	April 4th	Presentation on advanced applications of FEA, NVH,	B1	26/05/22 .	9 105/22			
0	VI	CO 6	Week		B2	26 05 22	9 05 22	Tour.		
1	1	25-27-2	AAGGK	CFD, Crash, Fatigue, Manufacturing, etc.		26 05 22		_		

Jugar Sign of Course Coordinator

maw Sign of Module Coordinator

Assessment Plan

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605		15		10					19	10	10	10	15	36		80	18
CCS	н	16			10	201100			10	10	10	20			15	75	ii ii
CO4	N.	16	1	-	100	16			10	10	10	16	7,000		15	66	15
003	- v	10		10.00			10		10	10	10	30			15	18	e
COS	М	16		/85.2	QLD)			10	10	10	10	10			15	65	15

Subject Teacher

Dr. E. N. Allavade Module Co-ordinator

Dr. P. A. Patil

HOD, Mechachnical Engineering Department

• Theory & Experiment session plan

Subject: Computer Aided Engineering

Session Plan for Lecture

Name of Faculty: Prof. A. P. Rananaware

Class: TE Mechanical

Following is the split up for one hour theory session:

Sr. No.	Name of Activity	Duration (Min)
1	Reflection Session: Review of content covered in previous session (Q&A).	10
2	Syllabus coverage as per teaching plan	20
3	Reflection Session: TPS/Q&A/reproduction by student on board	10
4	Syllabus coverage as per teaching plan	20

Prepared By

Subject Teacher

Reviewed by Module Coordinator

Approved by

HOD



JSPM'S JAYAWANTRAO SAWANT COLLEGE OF ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING



Experiment No. 1

1D Bar Element - Structural Linear Analysis.

Session Plan

Time (min)	Content	Learning Aid / Methodology	Faculty Approach	Typical Student Activity	Skill / Competency Developed
10	Introduction to ANSYS APDL	Chalk & Talk , Presentation	Introduces, Facilitates, Explains	Listens, Participates, Discusses	Knowledge, Communication, intrapersonal
20	Explanation and procedure of performing experiment	Chalk & Talk , Presentation	Introduces, Facilitates, Explains	Listens, Participates, Discusses	Knowledge, Communication, intrapersonal
60	Perform the analysis according to the procedure discussed	Software Demonstratio n	Explains, Monitors	Participates, Discusses	Knowledge, Application, comprehension, Hands on experiment
30	Validation of results obtained by software and discussion	Software Demonstratio n	Explains, Monitors	Listens, Participates, Discusses	Knowledge, Application, comprehension, Hands on experiment

(Prof. A. P. Rananawase)

CModule conductors)

MOODLE Content data Index A.Y. 2021-22

JSCOE - Mechanical Moodle data Index

- Announcements
- Attendance
- Syllabus
- Teaching L Plan UPDATED
- CO assessment plan
- CAS format for PR/TW marks calculation for students awareness
- E-books
- Exam Section
- Insem Exam
- MTT (Written Exam)
- ETT (Written Exam)
- SPPU Solved Papers

Pre-requisites

- Pre-requisites videos and Quiz (you tube/NPTL video etc. links regarding pre-requisites and concern Quiz of minimum 20marks)
- Recorded / You tube/ NPTL(give time slot to be watched for clearing required concept) minimum
 2 and maximum 6 videos
- Pre-requisites Quiz maximum 2 (each with 15 minutes duration)
- Pre-requisites notes (Required to clear fundamentals of the subject)- Optional

Unit I: Name of the Unit

- Image/Gif representing Unit content
- Syllabus and CO
- Self Recorded Lecture videos / Links
- Notes (Hand written / E-notes) / PPT in Flipbook format
- Reference material for advanced study (optional)
- Activity 1:- Simple Quiz
- Activity 2:- Game Pedagogy -I
- Activity 3:- Image related Quiz (Addressing BL4)
- Activity 4:- Numerical Quiz/ Game Pedagogy -II/H5P Interactive content
- Unit 1 Question Bank as per SPPU Syllabus (Theory)

Similarly to be followed for

- Unit II
- Unit III
- UNIT IV
- Unit V
- Unit VI

Practical Section

- Practical/ Laboratory plan
- Lab Manual
- Experiment 1: Expt. details Video
- Quiz (Bank with 20 Questions strictly based on Practical video) Quiz of 10 questions for 15

minutes

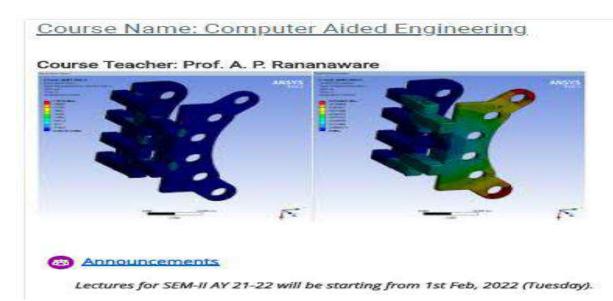
- Write Up for reference
- Expt. Submission (10 Marks)

Online Courses (Coursera /NPTL etc.)

- Link of courses
- Submission of certificates

Moodle Course Contents:

Each faculty prepares course content during CEP and uploads on moodle. One sample course snapshot is shown below.



	10	JSPMS JAYAWAN	TRAO SAWANT COL	LEGE OF ENGG		
		MECHAN	BCAL ENGG DEPAR	TMENT		
T.E B		TIME	TABLE (SEM HIA.Y.	2021-22)	w.e.f.: 01	Feb 2022
TIME/DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
10:00 AM TO 11:00 AM	CAE		- Totales Besselve	ELEII	ELE II	DTS
11:00 AM TO 12:00 PM	DTS	Seventh Sons	e Training Session	AIML	DTS	ELE N
12:00 PM TO 01:00 PM	ELE II	CAE	AML	CAE	AIML	AIML
			RECESS			
02:00 PM TO 03:00 PM	A1 AIML A2 CAE	A1 CAE A2 AIML	A1 DTS A2 FP & CL	A1 FP & CL A2 DTS	A1 ML A2 ML	CAE
03:00 PM TO 04:00 PM		DTS	MINE PROJECT	MINI PROJECT	MINI PROJECT	
PR Batches	B1 :- Roll No. 320	1 to 3239	B2 :- Roll No. 3240	1 to 3277		1
BUBJECTS:-			FACULTY			
l) Artificial Intelligence &		AIML	Mahesh Shinde	V-7130		
Computer Aided Engi		CAE	Amruta Rananaware	(DC)		
3) Design of Transmissio 4 Elective II	n Systems	DTS ELE II	Dr Pradnya Kosba Sandesp Patil	7-51		
6 Measurement Laborat	one	ML	Vijaya Avati	-		1
6) Fluid Power &Control		FP & CL	Ganesh Lamdhade			1



Restricted Not available unless:

- The activity <u>Prerequisite Quiz 1</u> is marked complete
 The activity <u>Prerequisite Quiz 2</u> is marked complete
- The activity <u>Prerequisite Quiz 3</u> is marked complete
 The activity <u>Quiz Exp. No. 01</u> is marked complete
- Syllabus TE Mech 2019 Pattern

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- T-L-A Plan
- Lab Plan
- (A) CO Assessment Plan AY 21-22
- CAE Assessment Sheet (TE B Div)
- E-Books

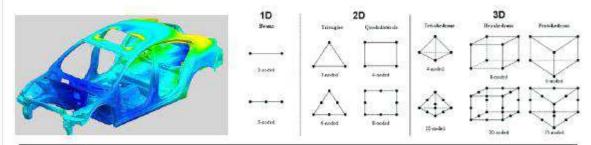
Prerequisites





- Introduction to Stress and Strain
- Prerequisite Quiz 1
 - O 71 of 77 attempted
- Introduction to Deflection of Beam
- Prerequisite Quiz 2
 - 69 of 77 attempted
- Introduction to Newton Raphson Method
- Prerequisite Quiz 3
 - 68 of 77 attempted
- Introduction to Injection Molding
- Introduction to Heat Transfer

Unit 1: Elemental Properties



Unit 1 Elemental Properties

07 Hrs.

Introduction to Computer Aided Engineering (CAE), Use of CAE in Product development, Discretization methods – Finite Element Method (FEM), Finite Difference Method (FDM) and Finite Volume Method (FVM), CAE Tools- Pre-processor, Solver and Post-Processor.

Element Shapes – 1D, 2D and 3D elements, Nodal Unknowns and field variables, Coordinate Systems, Shape Functions- linear, quadratic and cubic, Convergence Requirements of Shape Functions, Derivation of Polynomial Shape Functions using coordinate systems for Bar, Beam, Triangular, and rectangular elements.

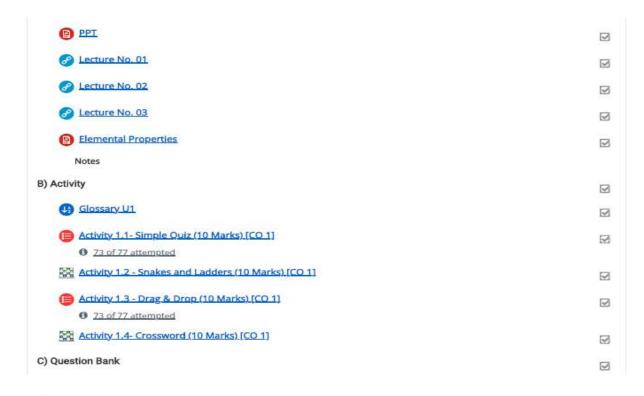
CO 1; DEFINE the use of CAE tools and DESCRIBE the significance of shape functions in finite element formulations.

A) Notes/PPT and Recorded Lectures

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☐ Lecturewise PPT U1

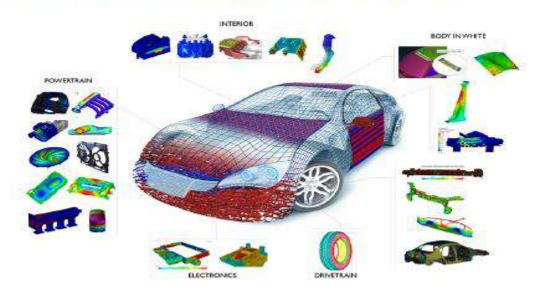
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Ques Bank Unit 1

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Unit 6: Applications of Computer Aided Engineering



Unit 6 Applications of Computer Aided Engineering 08 Hrs.

Computational Fluid Dynamics (CFD): Introduction, Three dimensions of Fluid Dynamics, Equilibrium Equation for a fluid, Conservation form of Fluid flow equation, Integral form of the Conservation Laws.

Injection moulding of Plastics: Simplification of Mould Geometry for FEA, Material Model for Mould FEA, Boundary Conditions for Mould FEA, Loading of Mould in FEA, Results Analysis.

Simulation for Manufacturing Processes like Casting and Sheet Metal Applications: Introduction and workflow of Casting Simulation Software and Sheet Metal Applications.

Durability Analysis: Durability, Reliability and Fatigue, FEA bases fatigue analysis viz: Stress-Life approach (S-N method) and Strain-Life approach (E-N method).

Crash Analysis: Introduction, Explicit time integration schemes, implicit integration schemes.

Noise Vibration and Harshness (NVH) Analysis: NVH Concepts, Terminology, FEA for structural Dynamics, FEA for Acoustics.

CO 6: Explain various processes and CAE software for analysis of CFD, Injection molding of plastic, Casting and Sheet Vetal, and NVH analysis.

A) Notes/PPT and Recorded Lectures Lecturewise ppt U6 Applications of CAE Notes B) Activity

4 Glossary U6	₩.
(a) Activity 6.1 - Simple Quiz (10 Marks) [CO 6]	B
1 71 of 77 attempted	
Activity 6.2 - Snakes and Ladders (10 Marks) [CO 6]	Ø
Activity 6.3 - Drag and Drop U6 (10 Marks) (CO 6)	S
1 72 of 77 attempted	
Activity 6.4 - Crossword U6 (10 marks) [CO 6]	₩.
C) Question Bank	
(a) Question Bank U6	

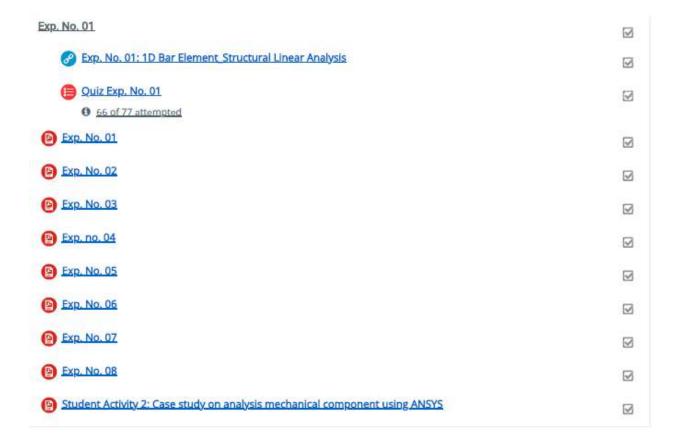
Practical's Section

The student shall complete the following activity as a Practical using any commercial FEA software or open-source software's

- 1. 1D Bar Element Structural Linear Analysis
- Truss Analysis using 1D Element
 Plate/Shell Element Structural Linear and Non-Linear Analysis
- 4. Beam Element Non-Linear Buckling Analysis
- 5. Thermal Analysis Static/Transient Analysis
- 6. Coupled Analysis- (Structural + Thermal)
- 7. Analysis of Machine Component using 3D Elements
- 8. Non-Linear Analysis of Assembly using Contact Elements
- 9. Modal Analysis Spring -Mass system, simply supported/Cantilever beam, etc.
- 10. Presentation on advanced applications of FEA, NVH, CFD, Crash, Fatigue, Manufacturing,

Note:

- · The lab report shall consist of completion of Practical's and Presentations.
- Practical examination shall be based on the practical undertaken during the semester.
- Lab Plan \mathbb{Z} Introduction to ANSYS \square 1D Tensile Loading on Beam. \leq 3 1D Steady State Conduction



NPTEL/Online Courses

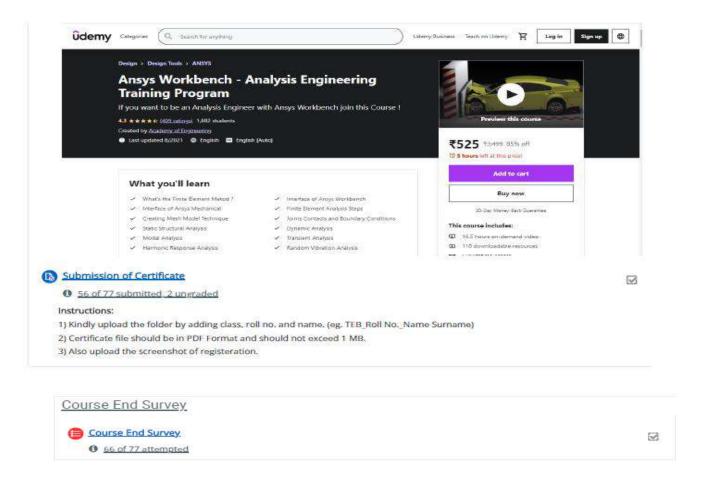




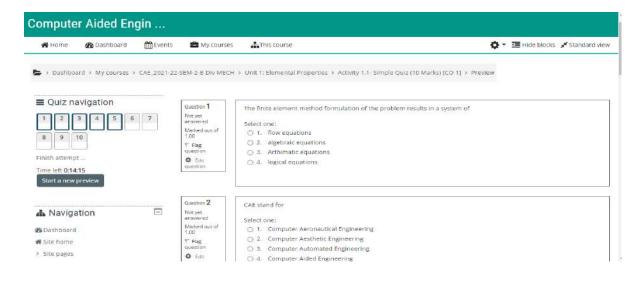
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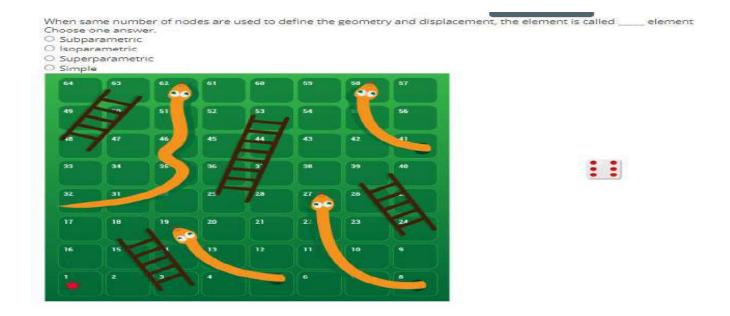
Udemy Course Ansys Workbench - Analysis Training Program



Activity 1: Multiple choice questions quiz



Activity 2: Game Pedagogy (Snakes & Ladder quiz)



Activity 3: Game Pedagogy (Drag & Drop quiz)



Activity 4: Game Pedagogy (Crossword quiz)

Grade 0 % 7 8 9 10 11 12 13 14 15 16 17 18 Welcome! Click on a word to begin/continue 5 6 8 10 12 13 15 16 17 18 Check crossword End of crossword game Print Across This is finite number of displacements. The field variables, displacements (strains) & stresses or stress resultants must satisfy the governing condition which

AY 2021-22: SEMESTER 2

IQAC Guidelines

Guidelines for course file preparation

All the Subject-in-charge should follow the following guidelines while preparing the course file and approve the content from module coordinator based on following parameters.

A. Teaching and Learning Plan:

- 1. Adherence to Academic Calendar
- 2. Use of various instructional methods
- 3. Methodologies to support weak students and encourage bright students
- 4. List of text, reference books, video links, research papers.

B.CO-PO Mapping

- 1. Relevancy of Cos with Syllabus curriculum.
- 2. Preparation of a matrix of COs and PO statement
- 3. Consistency/justification of co-relation parameters of the above matrix

C.GAP IDENTIFICATION

- 1. Steps taken to get identified gaps included in the curriculum.(e.g. letter to university/BOS)
- 2. List of curricular gaps for the attainment of defined POs & PSOs

- 3. Delivery details of content beyond syllabus
- 4. Mapping of content beyond syllabus with the POs & PSOs

D.LABORATORY

- 1. Conduct of experiments (Observation in Lab)
- 2. Continuous Assessment in the laboratory

E. QUALITY OF internal ASSESSMENT

- 1. Question paper validation to ensure desired standard from outcome attainment perspective as well as learning levels perspective
- 2. Quality of Assignment and its relevance to Cos
- 3. Evidence of COs coverage in class test / mid-term tests
- 4. Assignments to promote self-learning, survey of contents from multiple sources, assignment evaluation and feedback to the students, mapping with the Cos
- 5. Verify the attainment levels as per the benchmark set for all courses.



Jayawantrao Sawant College of Engineering

Prof.Dr.T.J.Sawant D.E.E., B.E.(Electrical), MISTE.Ph.D FOUNDER SECRETARY

Engineering Department.

(Approved by AICTE, New Delhi, Govt of Maharashtra and Affiliated to University of Pune)
Id.No.: PU/PN/Engg/199/(2004)

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Website: www.jspmjscoe.edu.in

Dr. Rajendra D. Kanphade M.E. Ph.D. (Electrolics Engs.) LMISTE. FIETE, SMIEEE Princepal

Date: - 03/06/2022

To, The Principal, JSCOE, Hadapsar. Pune- 411028

Subject: - Formation of Programme Assessment Committee (PAC) in Mechanical

Respected Sir,

With reference to the previous formation meeting of PAC held on 07/06/2022, PAC committee are subjected to following roles and regulations to regulate the academic and departmental activity

- 1. Evaluates and monitors the attainment of POs / PSOs
- 2. Proposes necessary changes for continuous improvements.
- Preparation of periodic reports on programme related activities, status reports for management and key stakeholders.
- 4. Faculty motivation: Attend / organize workshop / seminar / FDP, paper publication, development of models / lab.
- Student motivation: Attend/participate tech competitions, paper presentation, mini
 projects/models, social / cultural events, skill development programs.
- 6. Conduct surveys, interaction with faculty, coordinators and other stakeholders
- 7. Planning of co-curricular activities for attainment of POs / PSOs.
- 8. Project policy
- 9. PBL, Mini project policy.

Following are the members of PAC till further notice:

SR.	Name of the member	Designation	Sign
No.			1.1
1	Dr. Prakash Kadam	Chairman, PAC - Progrmme Coordinator / (NBA Coordinator)	6
2	Dr. Prakash Kadam	Member- AMC (DAC)	R
3	Prof. Manisha Nalawade	Member - Module Coordinator - Allied Engineering	m
4	Dr. Nilesh Alone	Member - Module Coordinator - Design	1841
5	Dr. Prakash Kadam	Member - Module Coordinator - Manufacturing	- CV
6	Prof. Laxman Mane	Member - Module Coordinator - Fluid & Thermal	ZMM
7	Dr. Prakash Kadam	Member- AMC (DAC)	Las .
8	Dr. Prakash Kadam	Member- IQAC Dept member	0



JAYAWANT SHIKSHAN PRASARAK MANDAL'S

Jayawantrao Sawant College of Engineering (Approved by AICTE, New Delhi, Govt of Maharashtra and Affiliated to University of Pune)



Prof.Dr.T.J.Sawant

D.E.E., B.E.(Electrical), MISTE.Ph.D

FOUNDER SECRETARY

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Email: principal@jspmjscoe.edu.in
Website: www.jspmjscoe.edu.in

Dr. Rajendra D. Kanphade M.E. Ph.D. (Electorics Engs.) LMISTE FIETE, SMIEEE Principal

Date: 21.06.2021

Departmental Circular:

All PAC members are hereby informed to attend the meeting on 25/06/2021 in room no C-109 at 3.30 pm.

The agenda of meeting is as follows:

- 1. Discussion on Innovative Teaching Methods
- 2. Introduce new gap analysis.
- 3. Discussion regarding Results of assessment of OBE.
- 4. Discussion regarding Conduct of Student Activities, Rubrics for Student Activities and Lab Work.
- 5. Discussion regarding whether it is required to Alter the Target and Threshold values for next Academic Year.
- 6. Modification of Instructional Lab Manual.
- 7. Project, mini-project, PBL & Internship.

All are informed to attend the said meeting at 3.30 pm.

Dr. Pradeep Patil

HOD [Mech]



D.E.E. B.E. (Electrical), MISTE, Ph.D.

FOUNDER SECRETARY

JAYAWANT SHIKSHAN PRABARAK MANDAL'A Jayawantrao Sawant College of Engineering

(Approved by AICTE, New Delhi, Govt of Maharashtra and Affiliated to University of Pune)
Id.No.: PU/PN/Engg/199/(2004)

Email: principal@jspmjscoe.edu.in Website: www.jspmjscoe.edu.in

Dr. Rajendra D. Kar M.E. Ph.D. (Electonics Engs.) LMISTE, FIETE, SMIEEE

Meeting of Program Assessment Committee

Date: 27/12/2021 Time: 03:30 pm Venue: C-109

Minutes of meeting:

- 1. Strengthening of CO-PO w.r.t previous CEP Program
- 2. Detailing of gap analysis
- 3. Preparation of Teaching Plan of all respective subjects.
- 4. Particularization of Gap finding in respective subject to enhance the POs.
- 5. Discussion of results of 2020.
- 6. Discussion of Performance Indicator (PI), mapping based on PI.
- 7. Detailed discussion on PI indicators.
- 8. After introduction of PI, Enrichment of CO, Number of CO mapped, weak CO map.
- 9. Discussion on mapping of student activity on basis of PI.
- 10. PSO modification with respect to PI (Internally).
- 11. Maintaining same threshold values according to version-2
 - a. Direct-Indirect 80:20 weighted
 - b. Internal-External 30:70 weighted
- 12. All labs in charge should take care about safety measures during lab practice and same should be display in all labs.

Action taken

Sr. No.	Description of work	Responsible person	Target date to complete
1	Strengthening of CO-PO	All Module Coordinators/ Subject Coordinators	As per schedule date Before start of semester
2	Plan Extra lecture for Moodle practice for the students (SE, TE & BE).	All Module Coordinators/ Subject Teachers	As per schedule date Before start of semester
3	Teaching Plan	Subject Teachers	As per schedule date Before start of semester
4.	Extra lecture for Moodle practice	Time Table In- Charge	As per schedule date Before start of semester



Jayawant Shikshan Prasarak Mandal's Jayawant College of Engineering (Approved by Alcte, New Delhi, Govt of Maharashtra and Affiliated to University of Pune) Id.No.: PU/PN/Engg.1799/(2004) S. No.58, Handewald Road, Hadapsar, Pune - 411028 MISTE.Ph.D Ph.:8484897374 Telefax: 020-26970880 M.E.Ph.I Email: principal@japmjscoe.edu.in Website: www.jspmjscoe.edu.in



Prof.Dr.T.J.Sawant D.E.E., B.E.(Electrical), MISTE,Ph.D FOUNDER SECRETARY

Dr. Rajendra D. Kanphade ME. Ph.D. (Electonics Engs.) LMISTE, FIETE, SMIEEE Principal

Attendees:

9

Sr. No.	Name of Member	Subject / Coordinator	Sign
01	Dr. P. G. Kadam	Chairman PAC	- GR
02	Dr. P. G. Kadam	AMC co-ordinator	R
03	Prof. Nilesh Alone	Module Coordinator - Design	des
04	Prof. Laxman Mane	Module Coordinator - Fluid & Thermal	low -
05	Dr. P.G.Kadam	Module Coordinator - Manufacturing	10
06	Prof. Manisha Nalawade	Module Coordinator - Allied Engineering.	Mar
07	Prof. Pradnya Kosbe	Faculty Representative - Internal Examination	Parola.
08	Prof. Rakesh Sidheshwar	MESA Faculty Advisor	RIKIS .
09	Prof. Shekhar Gulwade	Department Training & Placement	18
10	Prof. Mahesh Gaikwad	Project Coordinator	Col. I
11	Prof. Manisha Nalawade	Alumni Coordinator	Man
12	Dr. Abhijeet Dandawate	III Cell Co-ordinator	A.B.D
13	Prof. Namrata Ranaware	ISHRAE Faculty Advisor	
14	Prof. Chitaranjan Mane	Auto Club - Faculty Advisor, E-newsletter	C.Mar
15	Prof. Mahesh Shinde	Industrial Visit Co-ordinator	MCS
16	Prof. Sandeep Patil	PBL co-ordinator, Mini Project	2. B. Patis
17	Prof. Fayaz Kharadi	Overall Lab Mainenance Co-ordinator	F.Y.K.
18	Prof. Nilesh Alone	ME Design Coordinator	1/18/20
100000000000000000000000000000000000000	Prof. Siddesh Bandekar Prof. Vijaya Awati Prof. Shivanand Talwar	T & P Joint Department Co-ordinator,	DE SUB
20	Prof. Mahesh Shinde	Guest Lecture coordinator	MCS
21	Prof. Shivanand Talwar	Internship Co-ordinator,	8.5.T.

Dr. P. G. Kadam **Program Coordinator**

Dr. P A Patil Head of Department

ISPM'S Jayawantrao Sawant College of Engineering, Hadapsar, Pune - 28