

Expert Lecture on Chemical Process Development



AISSMS
COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade



DEPARTMENT OF CHEMICAL ENGINEERING

Expert Lecture Report

Nature of the activity: Expert talk

Topic/Theme: Application of Chemical Engineering for Process Development

Activity level: TE Chemical

Objective of the activity: To Study the basic aspects of Chemical Engineering for Process Development

Date and Timings: January 16, 2022 from 12:00 p.m. to 13:30 p.m.

Venue: Online on Microsoft Teams, Chem. Engg. Dept.

Coordinator: Prof. H L Kamble

No. of students Present: 56

Resource Person: Mr. Vipul Patil

Designation: Project Scientist

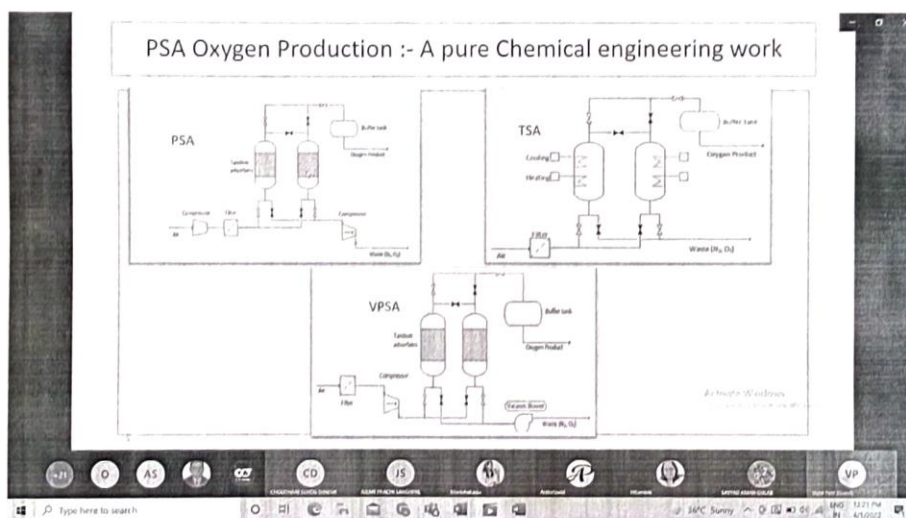
Company: National Chemical Laboratory

Outcome/Result:

The guest lecture on the topic "Application of Chemical Engineering for Process Development" was organized online on the Microsoft Teams Platform for the students of TE Chemical. The expert Mr. Vipul Patil discussed about how a chemical engineer should approach for process development. He also discussed about application of various subjects and software in process development. Interaction with students helped them to relate the subjects they have in their curriculum with the knowledge required for process development.

Glimpses of the event:

Reaction	Temperature	Pressure	Equilibrium Conversion
Methanol to DME	270	30	70%
Methanol Reforming	270	30	95%
Methanol to Formaldehyde	270	30	75%
Methanol Oxidation	270	30	90%
DME to Dimethyl Ether	270	30	95%



Presentation in Progress


H. L. Kamble
Coordinator


Dr. P. N. Dange
Head
Deptt. of Chemical Engg
AISSMS, COE, Pune-1

Experiential Learning Open Source Platform - NPTEL



Department of Civil Engineering NPTEL Student Enroll List

Timeline: Jan- April 2021

S.no	Name	Email Id	Course Id	CourseName	Age Roll Nur	Mobile Number	Qualification	Degree	Study Year
1	Suyash Sameer Naik	Ossnaik@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	18CV070	+91 86688 21455	pre_university	be	2
2	Aditya Padvi	adityapadvi1@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV073	+91 98928 58681	high_school	be	2
3	Akanksha Bari	akankshabaribb@gmail.com	noc21-cs24	Introduction to Machine Learning	16CV006	+91 98817 66873	bachelor4yr	be	
4	Akanksha Bari	akankshabaribb@gmail.com	noc21-ee58	Introduction to Embedded System Design	16CV006	+91 98817 66873	bachelor4yr	be	
5	Akash Nanu Phatak	akashphatak8185@gmail.com	noc21-ce15	Geotechnical Engineering - 1	18CV084	+91 90116 98185	pre_university	be	3
6	Akash Nanu Phatak	akashphatak8185@gmail.com	noc21-ce30	Water Supply Engineering	18CV084	+91 90116 98185	pre_university	be	3
7	Akhilesh Shashikant Salunkhe	akhileshsalunkhe007@gmail.com	noc21-ce30	Water Supply Engineering	18CV097	+91 86980 83430	pre_university	be	3
8	Akshay Ramdas Pradhan	akshaypradhan2007@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV087	+91 74105 99393	pre_university	be	2
9	Akshita Patil	akshitapatil1504@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV075	+91 85306 15042	bachelor4yr	be	2
10	Anuj Ravindra Chaudhari	anujrachaudhari80@gmail.com	noc21-ar02	Structure, Form, and Architecture : The Synergy	17CV013	+91 83900 63697	pre_university	be	4

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AISSMS'S COE, PUNE-1.

11	Anuj Ravindra Chaudhari	anujrachaudhari80@gmail.com	noc21-ce02	Landscape Architecture and Site Planning - Basic Fundamentals	17CV013	+91 83900 63697	pre_university	be	4
12	Anuj Ravindra Chaudhari	anujrachaudhari80@gmail.com	noc21-ce10	Basic construction materials	17CV013	+91 83900 63697	pre_university	be	4
13	Anuj Ravindra Chaudhari	anujrachaudhari80@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	17CV013	+91 83900 63697	pre_university	be	4
14	Anuj Ravindra Chaudhari	anujrachaudhari80@gmail.com	noc21-ce19	Development and Applications of Special Concretes	17CV013	+91 83900 63697	pre_university	be	4
15	Anuj Ravindra Chaudhari	anujrachaudhari80@gmail.com	noc21-ce21	Construction methods and equipment management	17CV013	+91 83900 63697	pre_university	be	4
16	Anuj Ravindra Chaudhari	anujrachaudhari80@gmail.com	noc21-ce24	Introduction to Accounting and Finance for Civil Engineers	17CV013	+91 83900 63697	pre_university	be	4
17	Anuj Ravindra Chaudhari	anujrachaudhari80@gmail.com	noc21-ce33	Advanced Foundation Engineering	17CV013	+91 83900 63697	pre_university	be	4
18	Anuj Ravindra Chaudhari	anujrachaudhari80@gmail.com	noc21-de07	Strategies for Sustainable Design	17CV013	+91 83900 63697	pre_university	be	4
19	Anuj Ravindra Chaudhari	anujrachaudhari80@gmail.com	noc21-mg25	Six Sigma	17CV013	+91 83900 63697	pre_university	be	4
20	Atharva Pawar	atharvapawar7101@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	20cv079	+91 90750 47101	high_school	be	2
21	AVISHKAE SURESH SHINDE	avishkarshinde777@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	18CV103	+91 96650 96248	bachelor4yr	be	2

22	Yadav Bhakti Govind	bgygkd1111@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	18CV120	+91 90678 71112	bachelor4yr	be	2
23	Dhanshri Narsale	hausahebnaarsale14220@gmail.co	noc21-ce12	Introduction to Civil Engineering Profession	19cv070	+91 86051 97034	pre_university	be	2
24	Bhushan wadekar	bhushanwadekar04@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	18cv116	+91 99239 13238	pre_university	be	2
25	Charul Vijay Jadhav	charuljadhav09@gmail.com	noc21-ce09	Geographic Information Systems	17CV047	+91 90284 37260	pre_university	be	4
26	Charul Vijay Jadhav	charuljadhav09@gmail.com	noc21-ce20	Principles of Construction Management	17CV047	+91 90284 37260	pre_university	be	4
27	Devang Tupe	devangtupe@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV109	+91 99213 91412	pre_university	be	2
28	Dikshant Meshram	dikshantmeshram01@gmail.com	noc21-hs30	German - I	18CV063	+91 94058 31954	pre_university	be	3
29	Aayan Tamboli	flame3432@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV104	+91 98332 44581	pre_university	be	2
30	AJINKYA ISHWAR SONAR	gamerajinkya@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV102	+91 96732 16360	high_school	be	2
31	Gaurav Shinde	gaurav7040481568@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV098	+91 94215 54986	pre_university	be	2
32	Gopal Vasudeo Dalvi	gopaldalvi62@gmail.com	noc21-ce01	Geotechnical Engineering II Foundation Engineering	15CV029	+91 99219 32220	bachelor4yr	be	3
33	Gopal Vasudeo Dalvi	gopaldalvi62@gmail.com	noc21-ce33	Advanced Foundation Engineering	15CV029	+91 99219 32220	bachelor4yr	be	3

34	Hasari Petkar	hasaripetkar05@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV085	+91 74472 83205	pre_university	be	2
35	Himanshu Rajesh Kamthe	himanshukamthe2001@gmail.com	noc21-ce13	Maintenance and Repair of Concrete Structures	19CV312	+91 93737 62763	bachelor3yr	be	3
36	Junaid shikalgar	junaidsikalgar13@gmail.com	noc21-ar04	Introduction to History of Architecture in India	19ST02	+91 99216 02846	bachelor3yr	me	1
37	Patil Kalpesh Purushottam	kalpesh.patil.4445@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV076	+91 95953 55055	pre_university	be	2
38	Katariya Nikhil Nitin	katariyanikhil04.nk@gmail.com	noc21-ce16	Safety in Construction	18CV402	+91 78881 96219	pre_university	be	4
39	Droupada Babaso Mulik	komalmulik99@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV066	+91 72649 40210	pre_university	be	2
40	Krishna Sunil Bilapatte	krishnabilapatte2001@gmail.com	noc21-ce10	Basic construction materials	19CV013	+91 90490 05998	pre_university	btech	2
41	Krishna Sunil Bilapatte	krishnabilapatte2001@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV013	+91 90490 05998	pre_university	btech	2
42	Krishna Sunil Bilapatte	krishnabilapatte2001@gmail.com	noc21-ce20	Principles of Construction Management	19CV013	+91 90490 05998	pre_university	btech	2
43	Krishna Sunil Bilapatte	krishnabilapatte2001@gmail.com	noc21-ce21	Construction methods and equipment management	19CV013	+91 90490 05998	pre_university	btech	2
44	Krishna Sunil Bilapatte	krishnabilapatte2001@gmail.com	noc21-ce22	Scheduling Techniques in Projects	19CV013	+91 90490 05998	pre_university	btech	2

45	Krishna Sunil Bilapatte	krishnabilapatte2001@gmail.com	noc21-hs30	German - I	19CV013	+91 90490 05998	pre_university	btech	2
46	Rushikesh Arun Mane	manerushikesh505@gmail.com	noc21-de02	Fundamentals of Automotive Systems		+91 7469 558 576	bachelor4yr	btech	4
47	Rushikesh Arun Mane	manerushikesh505@gmail.com	noc21-ge04	Non-Conventional Energy Resources		+91 7469 558 576	bachelor4yr	btech	4
48	Rushikesh Arun Mane	manerushikesh505@gmail.com	noc21-me28	Explosions and Safety		+91 7469 558 576	bachelor4yr	btech	4
49	Rushikesh Arun Mane	manerushikesh505@gmail.com	noc21-mm07	Material Characterization		+91 7469 558 576	bachelor4yr	btech	4
50	Rushikesh Arun Mane	manerushikesh505@gmail.com	noc21-mm09	Dealing with materials data : collection, analysis and interpretation		+91 7469 558 576	bachelor4yr	btech	4
51	Manthan Sonkamble	manthansonkamble26@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV103	+91 98229 68106	bachelor4yr	be	2
52	Manthan Vilas Sonkamble	manthansonkamble777@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV103	+91 98229 68106	pre_university	be	2
53	Aditya more	moreaditya612@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV062	+91 93097 03612	bachelor4yr	be	2
54	Abhijit Mundhe	mundheabhijit2021@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV067	+91 95791 03737	pre_university	be	2
55	Abhijit Mundhe	mundheabhijit2021@gmail.com	noc21-hs44	Effective Writing	19CV067	+91 95791 03737	pre_university	be	2
56	Pawar Neha Vijay	nehavp167@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV081	+91 95796 92169	pre_university	be	2

57	Omkar shirke	omkarshirke1404@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV101	+91 86983 78656	pre_university	be	2
58	AISHWARYA SUDHIR PANDHARPURE.	andharpureaishwarya@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV074	+91 98230 76607	bachelor4yr	be	1
59	Paritosh Mhaske	paritoshmhaske352@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV061	+91 97632 10606	high_school	be	2
60	Sharyu Shashikant Patil	patilsharyu24@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV078	+91 73859 11952	pre_university	be	2
61	Shivam G. Pawar	pawarshivam240601@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV082	+91 76663 06237	pre_university	be	2
62	Shubham pawar	pawarshubham739@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV083	+91 90216 30361	pre_university	be	2
63	Prachi Bhaskarrao More	prachimore788@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV063	+91 86007 41161	bachelor4yr	be	2
64	Prachi Sunil Nile	prachinile894@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV072	+91 91565 43947	pre_university	be	2
65	Prashik Nikhade	prashiknikhade55@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	71	+91 99211 38323	pre_university	be	2
66	Pawar Siddhesh Baban	psidb2905@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV084	+91 89990 28362	bachelor4yr	be	2
67	Ruchita Ranaware	rananawareruchita@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV088	+91 77740 63427	high_school	be	2
68	Ravindra Rathod	ravindrathod863@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV90	+91 91722 43842	pre_university	be	2

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CIVIL ENGINEERING
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69	Risha Rajendra hore	rishahore09@gmail.com	noc21-ce20	Principles of Construction Management	16CV043	+91 90671 16380	bachelor4yr	be	4
70	Risha Rajendra hore	rishahore09@gmail.com	noc21-ce23	Advanced Soil Mechanics	16CV043	+91 90671 16380	bachelor4yr	be	4
71	Risha Rajendra hore	rishahore09@gmail.com	noc21-ce33	Advanced Foundation Engineering	16CV043	+91 90671 16380	bachelor4yr	be	4
72	Risha Rajendra hore	rishahore09@gmail.com	noc21-cs33	Python for Data Science	16CV043	+91 90671 16380	bachelor4yr	be	4
73	Risha Rajendra hore	rishahore09@gmail.com	noc21-ge06	Entrepreneurship Essentials	16CV043	+91 90671 16380	bachelor4yr	be	4
74	Risha Rajendra hore	rishahore09@gmail.com	noc21-hs05	Speaking Effectively	16CV043	+91 90671 16380	bachelor4yr	be	4
75	Risha Rajendra hore	rishahore09@gmail.com	noc21-hs21	Human Behaviour	16CV043	+91 90671 16380	bachelor4yr	be	4
76	Risha Rajendra hore	rishahore09@gmail.com	noc21-mg25	Six Sigma	16CV043	+91 90671 16380	bachelor4yr	be	4
77	Rohit Himmat Patil	rohithimmatpatil@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV077	+91 98819 76635	bachelor4yr	be	2
78	ROHIT VARDAM	rohitvardam9@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV110	+91 98345 22258	high_school	be	2
79	Ritesh Tanpure	rtsh.tnpre@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession		+91 95187 80091	diploma	be	2
80	Shantanu Sanas	sanasshantanu@gmail.com	noc21-ce09	Geographic Information Systems	17CV108	+91 83088 20599	pre_university	be	3
81	Shantanu Sanas	sanasshantanu@gmail.com	noc21-cs45	Data Analytics with Python	17CV108	+91 83088 20599	pre_university	be	3
82	Shantanu Sanas	sanasshantanu@gmail.com	noc21-me46	Computational Fluid Dynamics for Incompressible Flows	17CV108	+91 83088 20599	pre_university	be	3

83	Sanket Shahaji Patil	sanketpatil229999@gmail.com	noc21-ce30	Water Supply Engineering	18CV080	+91 77209 98308	pre_university	be	3
84	Saud Shaikh	saudshaikh044@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV095	+91 98220 41148	high_school	btech	2
85	Shivprasad Suryakant Nagthane	shivprasadnagthane120@gmail.co	noc21-ce12	Introduction to Civil Engineering Profession		+91 95118 73264	high_school	be	2
86	Shinde Shivraj Yadavrao	shivrajshinde35@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV099	+91 98533 05683	masters	be	2
87	Shridhar mahadev rakate	shridharrakate@gmail.com	noc21-ce15	Geotechnical Engineering - 1	18CV321	+91 70834 61007	diploma	be	4
88	Shridhar mahadev rakate	shridharrakate@gmail.com	noc21-ce25	Water and waste water treatment	18CV321	+91 70834 61007	diploma	be	4
89	Shridhar mahadev rakate	shridharrakate@gmail.com	noc21-ce30	Water Supply Engineering	18CV321	+91 70834 61007	diploma	be	4
90	Shridhar mahadev rakate	shridharrakate@gmail.com	noc21-ce31	Hydraulic Engineering	18CV321	+91 70834 61007	diploma	be	4
91	Mungase Shubhada Arun	shubhada.am1100@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV068	+91 72189 01783	pre_university	be	2
92	Shubham Anant Tekade	shubhamtek13@gmail.com	noc21-ce10	Basic construction materials	15CV107	+91 77569 67505	bachelor4yr	be	4
93	Shubham Anant Tekade	shubhamtek13@gmail.com	noc21-hs30	German - I	15CV107	+91 77569 67505	bachelor4yr	be	4
94	Samir Shanware	sp13shanware@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV097	+91 74107 59208	high_school	be	2
95	Swapnil Sambhaji Thorat.	swapnilthorat2151@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV107	+91 91468 46160	pre_university	be	2

96	Tanushree Khade	ushreeharishkhade1999@gmail.com	noc21-ce20	Principles of Construction Management	18CV310	+91 72191 06312	diploma	be	4
97	Mubashir Tanveer	tanveermubashir09@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19cv065	+91 96826 01844	pre_university	be	2
98	Tejas Nandkishor More	tejasmore19.tm@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV064	+91 77449 33305	pre_university	be	2
99	Sohan Thakare	thakaresohan@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV106	+91 97652 64501	pre_university	be	2
100	ishani toradmal	toradmalishani@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19cv108	+91 77210 10049	pre_university	be	2
101	Uday Anil Shinde	ushinde1610@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19cv 100	+91 96574 76427	masters	be	2
102	Vinay Gupta	vinaygupta0610@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV058	+91 77589 95111	high_school	be	2
103	Viraj Rajendra Deshpande	ajrajendradeshpande99@gmail.com	noc21-ce24	Introduction to Accounting and Finance for Civil Engineers	17CV024	+91 77690 09264	pre_university	be	4
104	VIRAJ MAHENDRA SALUNKE	virajsalunke2001@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV094	+91 82088 12025	pre_university	btech	2
105	Yashvinder real	yashreal2@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	1015	+91 90110 04361	high_school	be	2
106	Yudhajeet Ramprakash Rathod	yudhajeetrathod2000@gmail.com	noc21-ce12	Introduction to Civil Engineering Profession	19CV091	+91 93737 90066	high_school	be	2



Department of Civil Engineering
NPTEL Student Result List

Timeline: July -Oct 2021

S.no	Roll Number	Course Id	Course Name	Name	Email Id	Year of passing	College Roll no	Present/Absent	Score From Assignment	Unproctored programming exam score out of 25	Exam Score	Final Score	Certificate Type	FDP Eligible	Topper
1	NOC21CE56S14200151	noc21-ce56	Fluid Mechanics - online	Sanika Kailas Suryawanshi	sanikasuryawanshi60@gmail.com	year_3	20CV342	Absent		NA			No Certificate	No	
2	NOC21CE42S24200908	noc21-ce42	Design Of Reinforced Concrete Structures - online	Wagh Aditya Balasaheb	adityawagh4799@gmail.com	2021	17CV122	present	20.94	NA	57.75	79	Elite+Silver	No	
3	NOC21CE40S34200080	noc21-ce40	Design of steel structures - online	Sanika Kailas Suryawanshi	sanikasuryawanshi60@gmail.com	year_3	20CV342	Absent		NA			No Certificate	No	
4	NOC21CE40S34200925	noc21-ce40	Design of steel structures - online	Pawar Siddhesh Baban	psidb2905@gmail.com	2023	19CV084	present	24.38	NA	23.25	48	No Certificate	No	
5	NOC21CE40S34350006	noc21-ce40	Design of steel structures - online	Kalpesh Purushottam Patil	kalpesh.patil.4445@gmail.com	2019	19CV076	present	24.69	NA	25.5	50	No Certificate	No	
6	NOC21CE40S34350028	noc21-ce40	Design of steel structures - online	Shivam G Pawar	pawarshivam2461@gmail.com	2023	19CV082	present	11.56	NA	15	27	No Certificate	No	
7	NOC21CE40S33120048	noc21-ce40	Design of steel structures - online	Akash Pandharinath salve	akashsalve131@gmail.com	2019	20CV330	present	24.35	NA	24.75	49	No Certificate	No	
8	NOC21CE41S44200741	noc21-ce41	Soil Mechanics Geotechnical Engineering I - online	Sanika Kailas Suryawanshi	sanikasuryawanshi60@gmail.com	year_3	20CV342	Absent		NA			No Certificate	No	
9	NOC21CE41S44200451	noc21-ce41	Soil Mechanics Geotechnical Engineering I - online	Wagh Aditya Balasaheb	adityawagh4799@gmail.com	2021	17CV122	present	25	NA	51.75	77	Elite+Silver	No	
10	NOC21CE40S44100330	noc21-ce40	Design of steel structures - online	Neha Vijay Pawar	nehavp167@gmail.com	year_3	19CV081	Absent		NA			No Certificate	No	

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11	NOC21HS57S44310046	noc21-hs57	Developing Soft Skills and Personality - online	SHRIDHAR MAHADEV RAKATE	shridharrakate@gmail.com	2021	18CV321	present	23.46	NA	56.64	80	Elite+Silver	No	Topper of 5% in this course
12	NOC21CH44S44300078	noc21-ch44	Aspen Plus R simulation software a basic course for beginners - online	RITESHKUMAR RAJENDRA KOLHAPURE	riteshkumarkolhapure17@gmail.com	2022	18CH033	present	23.66	NA	71.25	95	Elite+gold	No	Topper of 2% in this course
13	NOC21CE40S44350061	noc21-ce40	Design of steel structures - online	PATIL ROHIT HIMMAT	rohithimmatpatil@gmail.com	2023	19CV077	present	24.69	NA	30	55	Successfully completed	No	





Department of Civil Engineering
NPTEL Student Enroll List

July DEC 2021

Timeline: July DEC 2021

S.no	Name	Email Id	Course Id	CourseName	Page Roll Nur	Mobile Number	Qualification	Degree	Study Year
1	Suyash Sameer Naik	Ossnaik@gmail.com	noc21-ce40	Design of Steel Structures	18CV070	+91 86688 21455	pre_university	be	2
2	Shubhankar Purandare	2000shubhankar@gmail.com	noc21-ce40	Design of Steel Structures		+91 90753 53085	diploma	be	3
3	abhishek ananda pawar	abhipawar2767@gmail.com	noc21-ce40	Design of Steel Structures	17CV091	+91 97636 87687	pre_university	be	2
4	Aditya Padvi	adityapadvi1@gmail.com	noc21-ce40	Design of Steel Structures	19CV073	+91 98928 58681	high_school	be	3
5	WAGH ADITYA BALASAHEB	adityawagh4799@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	17CV122	+91 82374 50030	bachelor4yr	be	
6	WAGH ADITYA BALASAHEB	adityawagh4799@gmail.com	noc21-ce42	Design of Reinforced Concrete Structures	17CV122	+91 82374 50030	bachelor4yr	be	
7	WAGH ADITYA BALASAHEB	adityawagh4799@gmail.com	noc21-ce61	Remote Sensing and GIS	17CV122	+91 82374 50030	bachelor4yr	be	
8	AJAY KONDIBA BHOSALE	ajaybhosale5096@gmail.com	noc21-ce40	Design of Steel Structures	20CV306	+91 90119 26648	bachelor3yr	diploma	3
9	Akash Nanu Phatak	akashphatak8185@gmail.com	noc21-ce38	Strength of Materials	18CV084	+91 90116 98185	pre_university	be	3
10	Akash Nanu Phatak	akashphatak8185@gmail.com	noc21-ce39	Foundation Engineering	18CV084	+91 90116 98185	pre_university	be	3
11	Akash Nanu Phatak	akashphatak8185@gmail.com	noc21-ce40	Design of Steel Structures	18CV084	+91 90116 98185	pre_university	be	3
12	Akash Nanu Phatak	akashphatak8185@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	18CV084	+91 90116 98185	pre_university	be	3
13	Akash Nanu Phatak	akashphatak8185@gmail.com	noc21-ce42	Design of Reinforced Concrete Structures	18CV084	+91 90116 98185	pre_university	be	3
14	Akash Nanu Phatak	akashphatak8185@gmail.com	noc21-ce44	Matrix Method of Structural Analysis	18CV084	+91 90116 98185	pre_university	be	3
15	Akash Nanu Phatak	akashphatak8185@gmail.com	noc21-ce49	Wastewater Treatment and Recycling	18CV084	+91 90116 98185	pre_university	be	3
16	Akash Pandharinath salve	akashsalve131@gmail.com	noc21-ce40	Design of Steel Structures	20CV330	+91 92842 19229	bachelor3yr	be	3

HEAD OF DEPARTMENT
CIVIL ENGINEERING
AISSMS COE, PUNE-1.

17	Akash Pandharinath salve	akashsalve131@gmail.com	noc21-ce41	Soil Mechanics/Geotechnic al Engineering I	20CV330	+91 92842 19229	bachelor3yr	be	3
18	Akash Pandharinath salve	akashsalve131@gmail.com	noc21-ce56	Fluid Mechanics	20CV330	+91 92842 19229	bachelor3yr	be	3
19	Akhilesh Shashikant Salunkhe	khileshsalunkhe007@gmail.com	noc21-ce42	Design of Reinforced Concrete Structures	18CV097	+91 86980 83430	pre_university	be	4
20	Akhilesh Shashikant Salunkhe	khileshsalunkhe007@gmail.com	noc21-ce50	Project Planning & Control	18CV097	+91 86980 83430	pre_university	be	4
21	Akshay Ramdas Pradhan	akshaypradhan2007@gmail.com	noc21-ce40	Design of Steel Structures	19CV087	+91 74105 99393	pre_university	be	2
22	Akshita Patil	akshitapatil1504@gmail.com	noc21-ce40	Design of Steel Structures	19CV075	+91 85306 15042	bachelor4yr	be	2
23	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ar06	Architectural Acoustics	17CVO13	+91 83900 63697	pre_university	be	4
24	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ar08	Contemporary Architecture and Design	17CVO13	+91 83900 63697	pre_university	be	4
25	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ar11	Building Materials and Composites	17CVO13	+91 83900 63697	pre_university	be	4
26	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ar15	Principles and applications of building science	17CVO13	+91 83900 63697	pre_university	be	4
27	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ar16	Housing Policy & Planning	17CVO13	+91 83900 63697	pre_university	be	4
28	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ar17	Visual Communication Design for Digital Media	17CVO13	+91 83900 63697	pre_university	be	4
29	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ce46	Integrated Waste Management for a Smart City	17CVO13	+91 83900 63697	pre_university	be	4
30	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ce47	Sustainable Engineering Concepts And Life Cycle Analysis	17CVO13	+91 83900 63697	pre_university	be	4
31	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ce50	Project Planning & Control	17CVO13	+91 83900 63697	pre_university	be	4
32	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ce52	Glass in buildings : Design and applications	17CVO13	+91 83900 63697	pre_university	be	4

33	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ce56	Fluid Mechanics	17CVO13	+91 83900 63697	pre_university	be	4
34	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ce60	Optimization methods for Civil engineering	17CVO13	+91 83900 63697	pre_university	be	4
35	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ce62	Finite Element Method and Computational Structural Dynamics	17CVO13	+91 83900 63697	pre_university	be	4
36	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ce64	Dynamics of Structures	17CVO13	+91 83900 63697	pre_university	be	4
37	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ce71	Introduction to Engineering Seismology	17CVO13	+91 83900 63697	pre_university	be	4
38	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ce72	Introduction to Multimodal Urban Transportation Systems (MUTS)	17CVO13	+91 83900 63697	pre_university	be	4
39	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ce75	Remote Sensing of Leaf Area Index and Primary Productivity	17CVO13	+91 83900 63697	pre_university	be	4
40	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-cs85	Introduction to Machine Learning	17CVO13	+91 83900 63697	pre_university	be	4
41	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-hs102	Entrepreneurship and IP strategy	17CVO13	+91 83900 63697	pre_university	be	4
42	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-ma75	Introduction to R Software	17CVO13	+91 83900 63697	pre_university	be	4
43	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-mg50	Strategy: An Introduction to Game Theory	17CVO13	+91 83900 63697	pre_university	be	4
44	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-mg58	Commodity Derivatives and Risk Management	17CVO13	+91 83900 63697	pre_university	be	4
45	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-mg64	Business Analytics & Data Mining Modeling Using R Part II	17CVO13	+91 83900 63697	pre_university	be	4
46	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-mg65	Business Analytics & Text Mining Modeling Using Python	17CVO13	+91 83900 63697	pre_university	be	4
47	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-mg67	Marketing research and analysis	17CVO13	+91 83900 63697	pre_university	be	4

48	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-mg69	Toyota Production System	17CV013	+91 83900 63697	pre_university	be	4
49	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-mg77	Applied Econometrics	17CV013	+91 83900 63697	pre_university	be	4
50	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-mg82	Organizational Behaviour	17CV013	+91 83900 63697	pre_university	be	4
51	Anuj Ravindra Chaudhari	anujchaudhari12@gmail.com	noc21-mg88	Principles of Management	17CV013	+91 83900 63697	pre_university	be	4
52	AVISHKAE SURESH SHINDE	avishkarshinde777@gmail.com	noc21-ce40	Design of Steel Structures	18CV103	+91 96650 96248	bachelor4yr	be	2
53	Yadav Bhakti Govind	bgygkd1111@gmail.com	noc21-ce40	Design of Steel Structures	18CV120	+91 90678 71112	bachelor4yr	be	2
54	Dhanshri Narsale	ausahebnarsale14220@gmail.com	noc21-ce40	Design of Steel Structures	19cv070	+91 86051 97034	pre_university	be	3
55	Bhushan wadekar	phushanwadekar04@gmail.com	noc21-ce40	Design of Steel Structures	18cv116	+91 99239 13238	pre_university	be	2
56	Charul Vijay Jadhav	charuljadhav09@gmail.com	noc21-ce40	Design of Steel Structures	17CV047	+91 90284 37260	pre_university	be	4
57	Charul Vijay Jadhav	charuljadhav09@gmail.com	noc21-ce57	Environmental Geomechanics	17CV047	+91 90284 37260	pre_university	be	4
58	Charul Vijay Jadhav	charuljadhav09@gmail.com	noc21-ce61	Remote Sensing and GIS	17CV047	+91 90284 37260	pre_university	be	4
59	Chandan M Chavhan	navhanchandan2001@gmail.com	noc21-ce40	Design of Steel Structures	20CV308	+91 92840 41235	diploma	be	3
60	Saurav Sandip Chaudhari	ntactsauravchaudhari@gmail.com	noc21-ce38	Strength of Materials	19CV017	+91 74105 57548	bachelor4yr	be	3
61	Saurav Sandip Chaudhari	ntactsauravchaudhari@gmail.com	noc21-ce40	Design of Steel Structures	19CV017	+91 74105 57548	bachelor4yr	be	3
62	Saurav Sandip Chaudhari	ntactsauravchaudhari@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	19CV017	+91 74105 57548	bachelor4yr	be	3
63	Saurav Sandip Chaudhari	ntactsauravchaudhari@gmail.com	noc21-ce56	Fluid Mechanics	19CV017	+91 74105 57548	bachelor4yr	be	3
64	Devang Tupe	devangtupe@gmail.com	noc21-ce40	Design of Steel Structures	19CV109	+91 99213 91412	pre_university	be	2
65	Aayan Tamboli	flame3432@gmail.com	noc21-ce40	Design of Steel Structures	19CV104	+91 98332 44581	pre_university	be	2
66	AJINKYA ISHWAR SONAR	gamerajinkya@gmail.com	noc21-ce40	Design of Steel Structures	19CV102	+91 96732 16360	high_school	be	2
67	Gaurav Shinde	gaurav7040481568@gmail.com	noc21-ce40	Design of Steel Structures	19CV098	+91 94215 54986	pre_university	be	2
68	Gopal Vasudeo Dalvi	gopaldalvi62@gmail.com	noc21-ce42	Design of Reinforced Concrete Structures	15CV029	+91 99219 32220	bachelor4yr	be	3

69	Gopal Vasudeo Dalvi	gopaldalvi62@gmail.com	noc21-ce44	Matrix Method of Structural Analysis	15CV029	+91 99219 32220	bachelor4yr	be	3
70	Harshal Subhash Tribhuvan	harshaltribhuvan2000@gmail.com	noc21-ce40	Design of Steel Structures	18CV114	+91 93701 18218	high_school	be	2
71	Hasari Petkar	hasarietkar05@gmail.com	noc21-ce40	Design of Steel Structures	19CV085	+91 74472 83205	pre_university	be	2
72	Hrishikesh Dilip Gharpade	hdghorpade101@gmail.com	noc21-ce42	Design of Reinforced Concrete Structures	17CV036	+91 78881 13761	pre_university	be	3
73	Hrishikesh Dilip Gharpade	hdghorpade101@gmail.com	noc21-ce50	Project Planning & Control	17CV036	+91 78881 13761	pre_university	be	3
74	Ishani Toradmal	ishanitoradmal@gmail.com	noc21-ce40	Design of Steel Structures	19CV108	+91 77210 10049	pre_university	be	3
75	Patil Kalpesh Purushottam	kalpesh.patil.4445@gmail.com	noc21-ce40	Design of Steel Structures	19CV076	+91 95953 55055	pre_university	be	3
76	Patil Kalpesh Purushottam	kalpesh.patil.4445@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	19CV076	+91 95953 55055	pre_university	be	3
77	Patil Kalpesh Purushottam	kalpesh.patil.4445@gmail.com	noc21-ce56	Fluid Mechanics	19CV076	+91 95953 55055	pre_university	be	3
78	Kapil Rahul Shalgar	kapilshalgar54@gmail.com	noc21-ce40	Design of Steel Structures	CV-D2012	+91 95884 09743	diploma	be	2
79	Ketaki Vijay sarode	ketakisarode30@gmail.com	noc21-ce40	Design of Steel Structures	CV-D2043	+91 75178 03526	bachelor3yr	be	3
80	Ketaki Vijay sarode	ketakisarode30@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	CV-D2043	+91 75178 03526	bachelor3yr	be	3
81	Ketaki Vijay sarode	ketakisarode30@gmail.com	noc21-ce56	Fluid Mechanics	CV-D2043	+91 75178 03526	bachelor3yr	be	3
82	Kiran kashinath Sagare	kiransagare123@gmail.com	noc21-ce40	Design of Steel Structures	19CV323	+91 77190 99561	bachelor3yr	be	4
83	Droupada Babaso Mulik	komalmulik99@gmail.com	noc21-ce40	Design of Steel Structures	19CV066	+91 72649 40210	pre_university	be	3
84	Krishna Sunil Bilapatte	krishnabilapatte2001@gmail.com	noc21-ce40	Design of Steel Structures	19CV013	+91 90490 05998	pre_university	btech	3
85	Krishna Sunil Bilapatte	krishnabilapatte2001@gmail.com	noc21-ce42	Design of Reinforced Concrete Structures	19CV013	+91 90490 05998	pre_university	btech	3
86	Krishna Sunil Bilapatte	krishnabilapatte2001@gmail.com	noc21-ce43	Reinforced Concrete Road Bridges	19CV013	+91 90490 05998	pre_university	btech	3
87	Akshada Mahajan	mahajanaksha0401@gmail.com	noc21-ce40	Design of Steel Structures	18CV061	+91 99239 78612	bachelor3yr	be	3
88	MANSI HOLKAR	mannsi.holkar@gmail.com	noc21-ce39	Foundation Engineering	19CV402	+91 77219 94441	high_school	be	2
89	Mansi Babu Nerkar	mansinerkar84391@gmail.com	noc21-cs55	Programming in C++	18CV316	+91 83087 67876	bachelor4yr	be	4

90	Mansi Babu Nerkar	mansinerkar84391@gmail.com	noc21-cs81	C Programming and Assembly Language	18CV316	+91 83087 67876	bachelor4yr	be	4
91	Manthan Vilas Sonkamble	anthansonkamble777@gmail.co	noc21-ce40	Design of Steel Structures	19CV103	+91 98229 68106	pre_university	be	2
92	Mayur vilas salunkhe	mayursalunkhe862@gmail.com	noc21-ce38	Strength of Materials	18CV095	+91 76201 47517	pre_university	be	4
93	Mayur vilas salunkhe	mayursalunkhe862@gmail.com	noc21-ce39	Foundation Engineering	18CV095	+91 76201 47517	pre_university	be	4
94	Mayur vilas salunkhe	mayursalunkhe862@gmail.com	noc21-ce40	Design of Steel Structures	18CV095	+91 76201 47517	pre_university	be	4
95	Mayur vilas salunkhe	mayursalunkhe862@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	18CV095	+91 76201 47517	pre_university	be	4
96	Mayur vilas salunkhe	mayursalunkhe862@gmail.com	noc21-ce42	Design of Reinforced Concrete Structures	18CV095	+91 76201 47517	pre_university	be	4
97	Mayur vilas salunkhe	mayursalunkhe862@gmail.com	noc21-ce49	Wastewater Treatment and Recycling	18CV095	+91 76201 47517	pre_university	be	4
98	NAYAN MEGHSHAM TALMALE	meghshamtalmale3@gmail.com	noc21-cs67	Programming, Data Structures And Algorithms Using Python	71533337C	+91 80074 99917	masters	be	
99	NAYAN MEGHSHAM TALMALE	meghshamtalmale3@gmail.com	noc21-cs78	Python for Data Science	71533337C	+91 80074 99917	masters	be	
100	Mhetre Swapnil Suresh	mhetreswapnil8805@gmail.com	noc21-ce40	Design of Steel Structures	20CV324	+91 88056 71921	bachelor3yr	be	3
101	Aditya more	moreaditya612@gmail.com	noc21-ce40	Design of Steel Structures	19CV062	+91 93097 03612	bachelor4yr	be	2
102	Abhijit Mundhe	mundheabhijit2021@gmail.com	noc21-ce40	Design of Steel Structures	19CV067	+91 95791 03737	pre_university	be	2
103	Pawar Neha Vijay	nehavp167@gmail.com	noc21-ce40	Design of Steel Structures	19CV081	+91 95796 92169	pre_university	be	2
104	Omkar shirke	omkarshirke1404@gmail.com	noc21-ce40	Design of Steel Structures	19CV101	+91 86983 78656	pre_university	be	2
105	OMKAR SHANTARAM SITAP	omkarsitap6@gmail.com	noc21-ce40	Design of Steel Structures	20CV340	+91 73878 95381	diploma	be	3
106	AISHWARYA SUDHIR PANDHARPURE.	ndharpureaishwarya@gmail.co	noc21-ce40	Design of Steel Structures	19CV074	+91 98230 76607	bachelor4yr	be	2
107	Paritosh Mhaske	paritoshmhaske352@gmail.com	noc21-ce40	Design of Steel Structures	19CV061	+91 97632 10606	high_school	be	3

108	Paritosh Mhaske	paritoshmhaske352@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	19CV061	+91 97632 10606	high_school	be	3
109	Paritosh Mhaske	paritoshmhaske352@gmail.com	noc21-ce56	Fluid Mechanics	19CV061	+91 97632 10606	high_school	be	3
110	Sharyu Shashikant Patil	patilsharyu24@gmail.com	noc21-ce40	Design of Steel Structures	19CV078	+91 73859 11952	pre_university	be	2
111	Shivam G. Pawar	pawarshivam2461@gmail.com	noc21-ce40	Design of Steel Structures	19CV082	+91 76663 06237	high_school	btech	2
112	Shubham pawar	pawarshubham739@gmail.com	noc21-ce40	Design of Steel Structures	19CV083	+91 90216 30361	pre_university	be	2
113	Bari Piyush Munesh	piyushbari777@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	20CV304	+91 73857 69766	bachelor4yr	be	2
114	Pooja Guddimath	pooja.guddimath123@gmail.com	noc21-ce60	Optimization methods for Civil engineering	16CV039	+91 73504 81482	bachelor3yr	be	4
115	Prachi Bhaskarrao More	prachimore788@gmail.com	noc21-ce40	Design of Steel Structures	19CV063	+91 86007 41161	bachelor4yr	be	3
116	Prachi Sunil Nile	prachinile894@gmail.com	noc21-ce40	Design of Steel Structures	19CV072	+91 91565 43947	pre_university	be	2
117	Prashik Nikhade	prashiknikhade55@gmail.com	noc21-ce40	Design of Steel Structures	19CV071	+91 99211 38323	pre_university	be	2
118	Pawar Siddhesh Baban	psidb2905@gmail.com	noc21-ce40	Design of Steel Structures	19CV084	+91 89990 28362	bachelor4yr	be	2
119	Ruchita Rananaware	rananawareruchita@gmail.com	noc21-ce40	Design of Steel Structures	19CV088	+91 77740 63427	high_school	be	2
120	Ruchita Rananaware	rananawareruchita@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	19CV088	+91 77740 63427	high_school	be	2
121	Ruchita Rananaware	rananawareruchita@gmail.com	noc21-ce56	Fluid Mechanics	19CV088	+91 77740 63427	high_school	be	2
122	Ritesh Ravikant Ingawale	riteshingawale83@gmail.com	noc21-ce40	Design of Steel Structures	20CV328	+91 75174 76785	diploma	be	3
123	Ritik shashikant shinde	ritikshinde1011@gmail.com	noc21-ce40	Design of Steel Structures	20CV337	+91 788 786 7135	diploma	be	3
124	Rohit Himmat Patil	rohithimmatpatil@gmail.com	noc21-ce40	Design of Steel Structures	19CV077	+91 98819 76635	bachelor4yr	be	3
125	Rohit Himmat Patil	rohithimmatpatil@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	19CV077	+91 98819 76635	bachelor4yr	be	3
126	Rohit Himmat Patil	rohithimmatpatil@gmail.com	noc21-ce56	Fluid Mechanics	19CV077	+91 98819 76635	bachelor4yr	be	3
127	ROHIT VARDAM	rohityardam9@gmail.com	noc21-ce40	Design of Steel Structures	19CV110	+91 98345 22258	high_school	be	2

128	Ritesh Tanpure	rtsh.tnpure@gmail.com	noc21-ce40	Design of Steel Structures		+91 95187 80091	pre_university	be	3
129	Sameer Nangare	sameernangare63@gmail.com	noc21-ce42	Design of Reinforced Concrete Structures	18CV072	+91 75075 67685	pre_university	be	3
130	Sameer Nangare	sameernangare63@gmail.com	noc21-ce44	Matrix Method of Structural Analysis	18CV072	+91 75075 67685	pre_university	be	3
131	Shantanu Sanas	sanasshantanu@gmail.com	noc21-ce60	Optimization methods for Civil engineering	17CV108	+91 83088 20599	pre_university	be	4
132	Shantanu Sanas	sanasshantanu@gmail.com	noc21-ce75	Remote Sensing of Leaf Area Index and Primary Productivity	17CV108	+91 83088 20599	pre_university	be	4
133	Sanika Kailas Suryawanshi	anikasuryawanshi60@gmail.com	noc21-ce40	Design of Steel Structures	20CV342	+91 95272 83921	diploma	be	3
134	Sanika Kailas Suryawanshi	anikasuryawanshi60@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	20CV342	+91 95272 83921	diploma	be	3
135	Sanika Kailas Suryawanshi	anikasuryawanshi60@gmail.com	noc21-ce56	Fluid Mechanics	20CV342	+91 95272 83921	diploma	be	3
136	Sanket Shashikant Mudekar	sanketmudekar50@gmail.com	noc21-ce40	Design of Steel Structures	20CV325	+91 72189 54545	bachelor3yr	be	2
137	Sanket Shahaji Patil	sanketpatil229999@gmail.com	noc21-ce42	Design of Reinforced Concrete Structures	18CV080	+91 77209 98308	pre_university	be	4
138	Sanket Shahaji Patil	sanketpatil229999@gmail.com	noc21-ce56	Fluid Mechanics	18CV080	+91 77209 98308	pre_university	be	4
139	Najum u saqib bhat	saqib.bhat628@gmail.com	noc21-ce40	Design of Steel Structures	19CV069	+91 70063 18252	pre_university	be	3
140	Sayali tangature	sayalitangature@gmail.com	noc21-ce40	Design of Steel Structures	20CV334	+91 70409 13605	diploma	be	3
141	Sayali tangature	sayalitangature@gmail.com	noc21-ce42	Design of Reinforced Concrete Structures	20CV334	+91 70409 13605	diploma	be	3
142	Sayali tangature	sayalitangature@gmail.com	noc21-ce50	Project Planning & Control	20CV334	+91 70409 13605	diploma	be	3
143	Shivprasad Suryakant Nagthane	ivprasadnagthane120@gmail.com	noc21-ce40	Design of Steel Structures		+91 95118 73264	high_school	be	2
144	Shinde Shivraj Yadavrao	shivrajshinde35@gmail.com	noc21-ce40	Design of Steel Structures	19CV099	+91 98533 05683	masters	be	3
145	Shridhar mahadev rakate	shridharrakate@gmail.com	noc21-ce38	Strength of Materials	18CV321	+91 70834 61007	bachelor4yr	be	4
146	Shridhar mahadev rakate	shridharrakate@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	18CV321	+91 70834 61007	bachelor4yr	be	4

147	Shridhar mahadev rakate	shridharrakate@gmail.com	noc21-hs57	Developing Soft Skills and Personality	18CV321	+91 70834 61007	bachelor4yr	be	4
148	Shruti Sharad Dukare	shrutitipatil.302002@gmail.com	noc21-ce40	Design of Steel Structures	CV-D2039	+91 95112 29311	diploma	be	3
149	Mungase Shubhada Arun	shubhada.am1100@gmail.com	noc21-ce40	Design of Steel Structures	19CV068	+91 72189 01783	pre_university	be	3
150	Shubham Anant Tekade	shubhamtek13@gmail.com	noc21-hs79	German - I	15CV107	+91 77569 67505	bachelor4yr	be	
151	Shubham Anant Tekade	shubhamtek13@gmail.com	noc21-hs87	Brief Introduction to Psychology	15CV107	+91 77569 67505	bachelor4yr	be	
152	Todkar Shweta Prasad	shwetatodkar0123@gmail.com	noc21-ce42	Design of Reinforced Concrete Structures	18CV113	+91 73502 55633	high_school	be	3
153	Sneha Valkunde	snehavalkunde007@gmail.com	noc21-ce40	Design of Steel Structures	CV-D2040	+91 90671 47376	diploma	be	2
154	Soham Shivaji kumbhar	sohamkumbhar229@gmail.com	noc21-ch31	Heat Transfer	19CH029	+91 91524 76275	pre_university	be	3
155	Soham Shivaji kumbhar	sohamkumbhar229@gmail.com	noc21-ch33	Chemical Reaction Engineering-I	19CH029	+91 91524 76275	pre_university	be	3
156	Soham Shivaji kumbhar	sohamkumbhar229@gmail.com	noc21-ch34	Mechanical Unit Operations	19CH029	+91 91524 76275	pre_university	be	3
157	Soham Shivaji kumbhar	sohamkumbhar229@gmail.com	noc21-ch43	Chemical Engineering Thermodynamics	19CH029	+91 91524 76275	pre_university	be	3
158	Soham Shivaji kumbhar	sohamkumbhar229@gmail.com	noc21-ch44	Aspen Plus® simulation software - a basic course for beginners	19CH029	+91 91524 76275	pre_university	be	3
159	Soham Shivaji kumbhar	sohamkumbhar229@gmail.com	noc21-ch49	Polymers: concepts, properties, uses and sustainability	19CH029	+91 91524 76275	pre_university	be	3
160	Samir Shanware	sp13shanware@gmail.com	noc21-ce40	Design of Steel Structures	19CV097	+91 74107 59208	high_school	be	3
161	Aishwarya nandkumar surve	surveaishu10@gmail.com	noc21-ce40	Design of Steel Structures	20CV341	+91 96899 24700	diploma	be	3
162	Aishwarya nandkumar surve	surveaishu10@gmail.com	noc21-ce41	Soil Mechanics/Geotechnical Engineering I	20CV341	+91 96899 24700	diploma	be	3
163	Aishwarya nandkumar surve	surveaishu10@gmail.com	noc21-ce56	Fluid Mechanics	20CV341	+91 96899 24700	diploma	be	3
164	Sushant Sandanshiv	sushantsandanshiv16@gmail.com	noc21-ce40	Design of Steel Structures	CV-D2002	+91 86683 81021	diploma	be	3
165	Swapnil Sambhaji Thorat.	swapnilthorat2151@gmail.com	noc21-ce40	Design of Steel Structures	19CV107	+91 91468 46160	pre_university	be	2

166	Mubashir Tanveer	tanveermubashir09@gmail.com	noc21-ce40	Design of Steel Structures	19cv065	+91 96826 01844	pre_university	be	2
167	Tejas Nandkishor More	tejasmore19.tm@gmail.com	noc21-ce40	Design of Steel Structures	19CV064	+91 77449 33305	pre_university	be	2
168	Sohan Thakare	thakaresohan@gmail.com	noc21-ce40	Design of Steel Structures	19CV106	+91 97652 64501	pre_university	be	2
169	Prathmesh Laxman Umate	mateprathmesh1012@gmail.co	noc21-ce40	Design of Steel Structures	20CV344	+91 93070 08013	bachelor4yr	be	3
170	Uday Anil Shinde	ushinde1610@gmail.com	noc21-ce40	Design of Steel Structures	19cv 100	+91 96574 76427	bachelor3yr	be	3
171	Vaishnavi Keshav Jogdand	vaishnavijogdand19@gmail.com	noc21-ce40	Design of Steel Structures	18CV047	+91 93255 05056	bachelor4yr	be	3
172	Kanchan Dinesh Vajanam	vajanamkanchan1@gmail.com	noc21-ce59	Plates and Shells	16CV055	+91 70833 12658	pre_university	be	4
173	SHREYAS PRAKASH VHATKAR	hatkarshreyas30900@gmail.co	noc21-ce40	Design of Steel Structures	19CV112	+91 90210 08547	pre_university	be	3
174	Vinay Gupta	vinaygupta0610@gmail.com	noc21-ce40	Design of Steel Structures	19CV058	+91 77589 95111	high_school	be	3
175	VIRAJ MAHENDRA SALUNKE	virajsalunke2001@gmail.com	noc21-ce40	Design of Steel Structures	19CV094	+91 82088 12025	pre_university	btech	2
176	Vishwajeet Deshmukh	hwajeetdeshmukh28@gmail.co	noc21-ce40	Design of Steel Structures	20CV346	+91 91303 58599	diploma	be	3
177	Yashvinder real	yashreal2@gmail.com	noc21-ce40	Design of Steel Structures	19CV092	+91 90110 04361	high_school	be	2
178	Yash pramod shelke	yashshelke22666@gmail.com	noc21-ce40	Design of Steel Structures	20CV336	+91 74474 54034	diploma	be	2
179	Yudhajeet Ramprakash Rathod	udhajeetrathod2000@gmail.co	noc21-ce40	Design of Steel Structures	19CV091	+91 93737 90066	high_school	be	2

TE INTERNSHIP DETAILS 2021-22

Name of Student	Roll No.	Name of Company	Internship Start Date	Internship End Date
LOKHANDE TUSHAR SHANKARRAO	13EL025	R.K.Solar Systems Pune	1/12/2022	
MADANE YOGITA BAPURAO	16EL026	Plan power company	12/22/2021	1/30/2022
MADANE YOGITA BAPURAO	16EL026	Plan power	12/20/2021	1/20/2022
BORSE SANKET SOMNATH	17EL008	MSETCL	1/1/2022	1/31/2022
YEDE PRANJAL SHIVAJI	17EL054	Plan power shaniwar peth	12/20/2021	1/20/2022
CHAVAN MANAV SANTOSH	18EL011	M.S.E.D.C.L. Latur	1/15/2022	3/14/2022
GAIKWAD ANUSHKA ABHAY	18EL013	ZF India pvt	1/3/2022	1/31/2022
KALYANKAR ABHISHEK VITTHALRAO	18EL020	Plan Power	12/20/2021	1/20/2022
KIRWALE SAOURABH BABASAHEB	18EL023	MSEDCL.O&M Circle Vidyut Bhavan Beed	12/27/2021	1/27/2022
LAHAMGE SIDHARTH DEEPAK	18EL025	MSEDCL	1/6/2022	2/7/2022
RUPANAWAR KIRAN RAVSAHEB	18EL040	MSEB sub-division-Velapur (Solapur)	1/3/2022	2/2/2022
AARUSHI MAHAJAN	19EL001	Cummins power generation technology India pvt limited	1/10/2022	2/18/2022
ADARSH SANTOSH VISHWAKARMA	19EL002	Silverline Electricals Pvt. Ltd.	1/3/2022	1/31/2022
BALKAWADE MAITHILI MILIND	19EL003	Prayog Electricals Pvt. Ltd.	12/15/2021	2/28/2022
BANSODE SUSMITA PANDURANG	19EL004	Brose automotive systems private limited	12/20/2021	1/30/2022
BHUSARI SARVESH PRAVIN	19EL005	Swara Enterprises	1/16/2022	2/16/2022
BODHE SARVESH ANIL	19EL006	APT Samriddhi Consultants Pvt. Ltd. Pune	12/21/2021	1/31/2022
CHAUDHARI LAXMI RAJESH	19EL007	Siemens	1/3/2022	1/31/2022
CHAVAN HARSHWARDHAN YASHWANT	19EL008	MAHARSHI SHAKARAO MOHITE PATIL SAHAKARI SAKHAR KARKHANA PVT.LTD SHANKARNAGAR, AKLUJ	12/26/2021	1/31/2022

DARADE SUPRIYA SAYAS	19EL009	MSEDCL	12/15/2021	1/31/2022
DESHMUKH OM VINOD	19EL010	AGASTI SUGAR FACTORY AKOLE	1/3/2022	1/31/2022
DOKE RUSHIKESH SANJAY	19EL011	MSEDCL	1/13/2022	2/13/2022
GHODAKE SUMIT SUHAS	19EL012	Tata Motors PVBU	1/10/2022	3/10/2022
GULUMKAR ANKIT SHARAD	19EL013	VCB ELECTRONICS, PUNE	12/20/2021	1/20/2022
INGALE GIRISH SAMPATRAO	19EL014	Saara Enterprises	1/3/2022	1/30/2022
INGLE PRATIK ARUN	19EL015	MSEDCL		
JIVANE HRUTUJA DIPAK	19EL016	Chandrapur Super Thermal Power Station	12/25/2021	1/30/2022
JUNAID JAVAID GANAI (JKSSS)	19EL017	JKPTCL	12/1/2022	10/2/2022
KADAM KUMAR BALASAHEB (TFWS)	19EL018	Pie Infocomm	1/10/2022	2/23/2022
KAJALE RUSHIKESH GANESH	19EL019	MSEDCL Sub-Division Manchar	12/29/2021	2/4/2022
KARHE MAHESH BAPURAO	19EL020	132 kv substation Ashti	12/21/2021	1/21/2022
KHAPRE GAURI RAJESH	19EL021	MSETCL	1/1/2022	12/31/2021
KINKAR ANIKET RAMCHANDRA	19EL022	DOO LITTLE PVT.LTD	1/1/2022	1/31/2022
KRISHNA PRANALI ASHOK	19EL023	Mahuli engineering satara, government electrical contractor	1/6/2022	2/6/2022
KULKARNI AMEYA DHANANJAY	19EL024	Sannati Engineers	12/20/2021	1/31/2022
LIMAYE VAISHNAV VINAYAK	19EL025	Shivshakti transformers pvt LTD	1/3/2022	2/3/2022
LOKHANDE SAKSHI GANESH	19EL026	Northway Motorsport	1/1/2022	6/30/2022
MAHADIK ADVAIT RAMESH	19EL027	Embio Ltd.	1/1/2022	2/1/2022
MALI TUSHAR BHAUSAHEB	19EL028	Rapid Systems, Korochi Ichalkaranji	12/24/2021	1/21/2022
MALPANI PUSHKAR RAMBILAS (EWS)	19EL029	Embio Ltd.	1/1/2022	2/1/2022
MASKE SHARWARI ROHIDAS	19EL030	MSETCL, AURANGABAD	1/3/2022	1/28/2022
MESHRAM RUCHIKA SHARADKUMAR	19EL031	MSETCL	1/4/2022	2/4/2022
MOHIRE PRATIK GAJANAN	19EL032	APT. Samriddhi Consultants Pvt. Ltd	12/21/2021	12/31/2021

MORE KUNAL RAJENDRA	19EL033	Thyssenkrupp electrical steel India pvt. Limited, nashik		
MORE MANJIT MANISH	19EL034	Wixika innovative solution Pvt. Ltd.	12/22/2021	1/31/2022
NADAF ANSARALI SIKANDAR	19EL036	The Saswad Mali Sugar Factory Pvt. Ltd, Malinagar.	1/1/2022	2/4/2022
NAIK RITESH PRAVIN	19EL037	Rajesh Electro Fabricators And Supplier Jalgaon	12/21/2021	1/21/2022
NEELANSH BHAMBHANI	19EL038	Centre of Railway Electrification	12/15/2021	1/31/2022
NIRALI SAMARTH ANIL	19EL039	CTR private limited ,pune	12/27/2021	1/26/2022
PAKHARE MANGESH BALASAHEB	19EL040	Innovation Transformer and Services	1/3/2022	1/31/2022
PATIL PRASAD PRAVIN	19EL041	Rajesh electro fabricators and suppliers	12/22/2021	1/22/2022
PATIL ROHIT TATYASAHEB	19EL042	Ravi Industries Kolhapur	1/1/2022	2/5/2022
PATIL SHIVAM VIJAY	19EL043	Jai Hind Sugar Pvt Ltd	12/15/2021	1/30/2022
PATIL VIRAJ RAVIKIRAN	19EL044	Kaivalya Electricals	12/30/2021	1/29/2022
PATIL YASH BHAUSAHEB	19EL045	AZ automation	1/1/2022	1/31/2022
PRAPHUL KUMAR YADAV	19EL046	Blazeclan	1/30/2022	3/30/2022
PRATHMESH OMKAR SAMPGAONKAR	19EL047	Mahindra and Mahindra	12/15/2021	
RAJARWAD VENKAT GOVIND	19EL048	Plan Power	12/20/2021	
RITHIK RAJAN	19EL049	Tata	12/20/2021	1/25/2022
SHREYA VINAYAK WAGHMARE	19EL050	Plan Power	12/20/2021	1/20/2022
SHRUTI BHURELAL SURAJBANSI	19EL051	MSEDCL	12/15/2021	
SONAWANE ROHAN SURESH	19EL052	Hummingbyte technologies Pvt.Ltd	1/5/2022	3/15/2022
SOUMIT DEBBARMA	19EL053	Swara enterprises		
SURYAWANSHI HITESH RAJESH	19EL054	MSEDCL	1/3/2022	
TAUR ARJUN PRAKASH	19EL055	Doolitte Energies Private Limited	1/1/2022	1/31/2022
VAIRAGAL AKSHAY NARSING	19EL057	Amar Electrical		
VAKARE TEJAS SANTOSH	19EL058	Nashik Thermal Power Station, Eklahare	12/27/2021	1/23/2022
WABALE ADITYA SHARAD	19EL060	MSEDCL Manchar	1/13/2022	2/13/2022

WARADE VIDEH SUBHASH	19EL061	Brose Automotive India Pvt. Ltd.	12/20/2021	1/30/2022
BHOSALE MADHAVI LAXMAN	20EL301	AG Electro Services	12/15/2021	1/15/2022
CHANDGUDE SHREEYASH SATISH (EWS)	20EL302	Borse Automotive Pvt Ltd	12/20/2021	1/29/2022
CHAVAN UTKARSHA YUVRAJ	20EL303	AG Electro Services	12/22/2021	1/22/2022
DHABADE POOJA MADHUKAR	20EL304	Mass- Tech controls private limited	1/12/2022	2/8/2022
DHOK PAYAL DOMA	20EL305	Nashik Power Equipment	1/3/2022	
GHUGE NILESH LIMBAJI	20EL306	N. kenin Transformer, Latur	12/25/2021	1/25/2022
HOLMUKHE SWAPNALI SANDIP	20EL307	AG ElectroMotors	12/15/2021	1/15/2022
JAGADALE NEHA VIJAY (EWS)	20EL308	Innovation Transformers and Services	1/3/2022	1/31/2022
KULKARNI NIVEDITA NISHIKANT (EWS)	20EL309	Karad Projects and Motors Limited, Tasawade MIDC	12/31/2021	1/31/2022
MALI PRANALI BALASAHEB	20EL310	AG Electro Motors	12/22/2021	1/22/2022
PATIL RITIKA NITIN	20EL311	Rajesh electro fabricators and suppliers	12/22/2021	1/22/2022
PATTEWAR SAKSHI RAMDAS (EWS)	20EL312	N Kenin Transformers	12/25/2021	1/25/2022
SAYYAD MAHAMMADSAKIB RAJU	20EL313	Priyanka Trading Co.	1/3/2022	
SHAH CHIRAG SANJAY (EWS)	20EL314	Avihas electricals Pvt Ltd.	12/29/2021	
SHINDE ABHIJEET KHULESH	20EL315	Brihanmumbai electricity supply and transport (BEST)	12/29/2021	1/29/2022
SHINDE SAMEER RAVINDRA	20EL316	Perfect House Pvt Ltd	1/3/2022	2/3/2022
URANE KEDAR RAGHUVIR	20EL317	Power Tech Automation	1/4/2022	1/31/2022
ZANWAR SURAJ DATTAPRASAD (EWS)	20EL318	N KENIN TRANSFORMER	12/25/2021	1/25/2022

Internship Coordinator



HOD

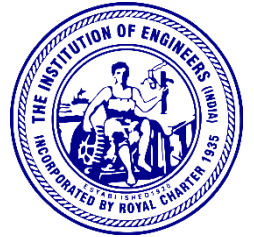
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Department of Electrical Engineering
AISSMS College of Engineering, Pune



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Visit Report

6th April 2022

Department of Electrical Engineering has organized an industrial visit at Pune Metro Station, Phugewadi (PMRC) for TE & BE Electrical students in association with Institute of Engineers, India (IEI), Electrical Chapter on 6th April 2022.

Faculties Mrs. VN Tarange, Mrs PK Sankala, Dr. AA Apte and Mr Rahul Shinde Sir had accompanied the students for the industrial visit.

The visit started at Phugewadi at 11 am and ended at PCMC at 2:30 pm.

The main motive of this industrial visit was to understand the various control drives used at the metro station.

The various components discussed were:

1. Traction
2. Rolling stock
3. Metro railway operation and maintenance
4. Signaling systems
5. Track structure (auxiliary)

➤ **Traction and power supply system:**

The current lines used to power the railway system of countries use alternating current of lower frequency than public supply. Its an electric grid for supply of electrified rail networks. Three phase alternating current of the power grid can be converted in substation for railways which run on dc and 22 KV power is used to run the metro train.

The traction current lines are used to power the railway system which uses alternating current. In India, an operating voltage of 27KV overhead lines are used. In other countries like Germany and Austria, current lines are 220KV are used. In Switzerland, 66KV or 132KV is used. The grounding is made on larger substations and in power stations for traction current, using transformers for cancellation of earth leakage current.

➤ **Routine of traction current lines:**

Traction current lines are not usually laid parallel to the railway line and to avoid unnecessary influence of electrical system near the railway line. It is laid on special cross beams.

➤ **Metro railway operation and maintenance:**

Works on the principle of dc shunt motor, no use of gears. Many components are electrified. The metro consists of a microcontroller with receiver and voice recorder chip. The whole system is electrically sensed. It is operated by Pune Metro Rail Corporation (PMRC). This public sector company was established by the government of India. Metro provides relief to commuters inside cities and it helps for better transportation by consuming less time, privacy and safety.

➤ Track structure:

Technically, the system length of track is nearby 12 km and track gauge is nearby 1435mm = 4 ft. the system comprises of two lines with rapid transit. There are many more substations of metro rail but currently only 10-12 sub-stations are operating in Pune.

➤ Rolling stock:

Rolling stock is motorized carriages operating on rail tracks. The entire metro rail with main operating body and the wheel set makes the rolling stock. Rolling stock in rail transport industry refers to the railway vehicles that includes both powered and unpowered vehicles.

The term rolling stock is a generic term that is used in rail road industry to denote anything on rail wheels.

Rolling stock equipment includes tracks, trailers, tractors, service vehicle, vans, pickup trucks, etc.

Stock rails are fitted between heel of switch and nose of crossing. Rolling stock is fleet of all wheel load vehicles owned by railroad or government that can be rolled on railroad tracks.

➤ Control panel:





AM

Signature
HODad
 Department of Electrical Engineering
 AISSMS College of Engineering, Pune



Department: Electrical Engineering
List of students' achievement - Academic year 2021-22

Sr. no.	Student Name	Event Name	Organized by	Date / Duration	Achievement/Rank/Prize
Technical					
1	Kaustubh Patil	Circuit Wizard	AISSMS COE	09/12/2021 – 10/12/2021	1 st Position
2	Aniket Appaso Aitawade	GATE	IIT Kharagapur	-	AIR 490
3	Maithili Milind Balkwade	SAE NIS efficycle 2021	SAE INDIA	17/09/2021- 27/09/2021	Participation
4	Team Garudashwa	SAE International Aerodesign West 2022	Van Nuys CA, USA	-	1 st in Design Report 1 st in Overall Standing
5	Abhijeet Shinde	Technical Crossword	AISSMS COE	29/09/2021- 01/10/2021	Participation
6	Pushkar Malpani	Technical Crossword	AISSMS COE	29/09/2021- 01/10/2021	Participation
7	Advait Mahadik	Technical Crossword	AISSMS COE	29/09/2021- 01/10/2021	Participation
8	Pushkar Malpani	Pirates Of Wizard	AISSMS COE	29/09/2021- 01/10/2021	Participation
9	Saourabh Kirwale	Pirates Of Wizard	AISSMS COE	29/09/2021- 01/10/2021	Participation
10	Ruchika Meshram	Pirates Of Wizard	AISSMS COE	29/09/2021- 01/10/2021	Participation
11	Siddharth Lahamage	Pirates Of Wizard	AISSMS COE	29/09/2021- 01/10/2021	Participation
12	Hitesh Surwayanshi	Pirates Of Wizard	AISSMS COE	29/09/2021- 01/10/2021	Participation
13	Krishna Pranali Ashok	Mock Placement	AISSMS COE	29/09/2021- 01/10/2021	Participation
14	Abhijeet Shinde	Developing Entrepreneurship Personalities	AISSMS COE	04/10/2021	Participation
15	Abhijeet Shinde	Orientation Session on NEP	AISSMS COE	04/10/2021	Participation
16	Akshay Vairagal	Developing Entrepreneurship Personalities	AISSMS COE	04/10/2021	Participation
17	Abhishek Kalyankar	Unraveling The Tips For A Successful Start Up	AISSMS COE	11/10/2021	Participation

18	Abhijeet Shinde	Circuit Wizard	AISSMS COE	09/12/2021	Participation
19	Pooja Dhabade	Python - 1	Soft AID Computers	20/12/2021 - 26/02/2022	A+
20	Advait Mahadik	Indian Army Day Quiz	AISSMS COE	15/01/2021	Participation
21	Swapnali Holmukhe	Lean Six Sigma Yellow Belt	Binghamton University	01/04/2022	Participation
22	Shreeyash Chandgude	REEV 2021-22	SAE India	09/04/2022	Participation
23	Samarth Nirali	Mathematical Aptitude Test Training	AISSMS COE PUNE	11/04/2022 – 16/04/2022	Participation
24	Prasad Patil	Mathematical Aptitude Test Training	AISSMS COE PUNE	11/04/2022 – 16/04/2022	Participation
25	Yash Patil	Mathematical Aptitude Test Training	AISSMS COE PUNE	11/04/2022 – 16/04/2022	Participation
26	Praphul Kumar Yadav	Mathematical Aptitude Test Training	AISSMS COE PUNE	11/04/2022 – 16/04/2022	Participation
27	Hitesh Surwayanshi	Mathematical Aptitude Test Training	AISSMS COE PUNE	11/04/2022 – 16/04/2022	Participation
Internship/Training					
1	Rohit Tatyasaheb Patil	Industrial Internship	Jyotirling Electricals	01/06/20201-02/07/2021	Internship
2	Rohit Tatyasaheb Patil	Industrial Internship in HRD	RSA Forge	01/08/2021-30/10/2021	Internship
3	Abhijeet Shinde	Embedded systems Webinar	Indeyes	09/09/2021	Training
4	Nivedita Kulkarni	- IOT - Embedded Systems	Indeyes	04/10/2021-30/10/2021 01/11/2021-20/11/2021	Internship
5	Tejas Vakare	IOT	Indeyes	04/10/2021-30/10/2021	Internship
6	Hitesh Suryavanshi	- IOT - Embedded Systems	Indeyes	04/10/2021-30/10/2021 01/11/2021-20/11/2021	Internship
7	Abhijeet Shinde	- IOT - Embedded Systems	Indeyes	04/10/2021-30/10/2021 01/11/2021-20/11/2021	Internship
8	Sarvesh Bodhe	- IOT - Embedded Systems	Indeyes	04/10/2021-30/10/2021 01/11/2021-20/11/2021	Internship
9	Rohit Tatyasaheb Patil	Industrial Internship	Shriram Foundry Pvt.Ltd	01/12/2021-31/12/2021	Internship
10	Pranjal Yede	Industrial Training	Plan Power	22/12/2021-27/01/2022	Training

11	Shruti Surajbansi	Indusraial Internship	MAHADisco m	15/12/2021- 01/02/2022	Internship
12	Tushar Mali	Industrial Internship	KPT Industries	01/02/2022- 20/02/2022	Internship
13	Gauri Khapre	EV Design Masterclass	Skillup	05/02/2022- 07/03/2022	Training
14	Sakshi Lokhande	Industrial internship	Hemank Autoparts	01/01/2022- 31/03/2022	Internship
Cultural /Sports					
1	Arya Polas	Firodiya Karandak 2022	sedtindia		1 st Prize in - Contempor ary Group Dance - Prop Dance - Radium Art Painting (Solo & Duet Participation)
2	Akshay Vairagal	WE Punekar	WE Foundation	02/10/2021	Participation
3	Abhijeet Shinde	Mazi Vasundhara	Govt of Maharashtra Environment and Climate change Dept	09/10/2021	Participation
4	Tejas Vakare	Mazi Vasundhara	Govt of Maharashtra Environment and Climate change Dept	09/10/2021	Participation
5	Akshay Vairagal	Mazi Vasundhara	Govt of Maharashtra Environment	09/10/2021	Participation
6	Shreya Waghmare	Youth Leadership Program	National Service Scheme	21-22/12/2021	Participation
7	Akshay Vairagal	Youth Leadership Program	National Service Scheme	21-22/12/2021	Participation

9	Shreya Waghmare	Elocution	National Service Scheme	19/02/2022	Participation
10	Akshay Vairagal	Heritage Conservation	AISSMS COE	25/03/2022	Participation
11	Shreya Waghmare	YIN Sakal	AISSMS COE	27/03/2022	Participation
12	Shreya Waghmare	Handball Zonal Chess	ZP Pune AISSMS COE	15/03/2022	Runnerup 1 st prize
13	Kunal More	E-Baja	SAE India	12/12/2021	Participation
14	Aniket Kinkar	E-Baja	SAE India	12/12/2021	Participation
15	Arjun Taur	E-Baja	SAE India	12/12/2021	Participation
16	Sakshi Lokhande	E-Baja	SAE India	12/12/2021	Participation
17	Mangesh Pakhare	E-Baja	SAE India	12/12/2021	Participation


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 AISSMS College of Engineering, Pune



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Department of Mechanical Engineering

CERTIFICATE

This is to certify that Mr. **VISHNU HARIDAS NAIR** has successfully completed the Industrial In-plant Training-I under our supervision at **BHARAT FORGE LIMITED** from 15th December 2021 to 15th June 2022 during academic year 2021-22 as a partial fulfilment of the requirement for the award of degree of Mechanical Engineering (Sandwich) of Savitribai Phule Pune University, Pune.

Exam Seat No – T190211247

Prof. Pankaj Aglawe
Guide

Dr. C.S. Choudhari
Co-ordinator, Mechanical Sandwich

External Examiner

Dr. B.D. Bachhav
Head

Department of Mechanical Engineering



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Department of Mechanical Engineering

CERTIFICATE

This is to certify that **Mr. Shubham Suresh Shinde** has successfully completed the Industrial In-Plant Training-II Project " **Development of Pneumatic Pipe Cutting Machine**". Under the supervision at **Ultra Enterprises**, from 15TH June 2021 to 15th December 2022 during the academic year 2021-2022 as a partial fulfilment of the requirement for the award of degree of Mechanical Engineering (Sandwich) of Savitribai Phule Pune University, Pune.

Exam Seat No.-B190211269


Mr. S.H. Wankhade
Guide


External Examiner


Dr. S.H. Wankhade
Co-Ordinator, Mechanical Sandwich


Dr. C.V. Chaitanya
Head
Department of Mechanical Engineering

Date: 30/12/2022

Place: - Pune



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Accredited by NAAC with "A+" Grade



CERTIFICATE

This is to certify that **Mr. Pritesh R Kawade** has successfully completed the Industrial Mini Project at Tata Motors, Pune from 15th December 2021 to 15th June 2022 as a partial fulfilment of the requirement for the award of degree of Mechanical Engineering (Sandwich) of Savitribai Phule Pune University, Pune.

Exam Seat No – T190211234

Dr. C. S. Dharankar
Guide

Dr. C. S. Choudhari
Co-ordinator, Sandwich Training

External Examiner

Dr. E. D. Bachchhav
Head
Department of Mechanical

Engineering

Date: 11/07/2022



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Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC
(Id.No. PU / PN/ Engg. / 093 (1992)
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Mechanical Engineering Department

BE PROJECTS 2015 PATTERN (AY 2021-22)

Group No.	Name of Students	Name of Guide	In-House /	Title of Project
A01	GAIKWAD VAIBHAV PURUSHOTTAM	Dr A V Waghmare	In-House	Water Extraction From Atmosphere
	JAGTAP YASHRAJ AMAR			
	PRATIK BAKHALE			
A02	SANKIT KIRAN INGALE	Prof. M P Bauskar	Sponsored	Design and Development of Ultrasonic Welding Machine for Joining Plastic Components.
	Tejas Mahesh Borhade			
	Atharv Satish Deshpande			
	Pranav Tanaji Dharme			
A03	Kalkate Rutuja Rohit	Prof. V.R.Patil	In-House	Development of multi-purpose cleaning equipment
	Kashikar Mrunal Rajesh			
	Kamble Sandesh Balu			
	Niraj Kamble			
A04	Sudip Dhananjay Dongre	Prof. M.R.Dahake	In-House	Design and fabrication of river cleaning machine
	Saurabh Vishwanath Jaurat			
	Ashish Vilas Karande			
	Titiksha Vitthal Jagtap			
A05	Basnet Amit Sunil	Dr D Y Dhande	In-House	Analysis of performance and emission characteristics of banana tree root/ pseudostem extracted ethanol blended fuel.
	Bandekar Shubham Vitthal			
	Bhosale Prajot Prabhakar			
	Bhong Sagar Parshuram			
A06	Anish Bajari	Dr B D Bachchhav	In-House	Experimental Study of 3D Printer Process Parameters for Threaded Component
	Rutuja Jadhav			
	Pranav Jadhav			
	Kiran Bharmal			
A07	Deo Abhishek Sanjeev	Dr M R Phate	In-House	Conceptual design and analysis of fixed wing Unmanned Aerial Vehicle (UAV)
	Aayush Satyendra Rawat			
	Joshi Aniruddha Manoj			
	Dalvi Srushti Ganesh			
A08	Kunal Chandrakant Bhosale	Prof.P S Aglawe	In-House	Design and fabrication of seat belt assisted hand brake lever
	Prasad Sopan Adhav			
	Siddharth Rajaram Ingale			
	Pravin Tukaram Kadam			
A09	GAIKWAD VIVEK DATTATRAY	Prof.M U Gan	In-House	Savonius vertical axis wind turbine: design, simulation, and physical testing
	DOPALWAR SADANAND NAGNATH			
	GAMBHIRE DINESH ANKUSH			
	JAWADEKAR MAYANK PADMANABH			
A10	Kota Rushikesh Manoj	Dr B D Bachchhav	In-House	Experimental Study on electrode wear of Cu-alloys in EDM Process
	Kasmalkar Kedar Satish			
	Khachane Hitesh Pravin			
	Dhope Apurva Shashikant			
A11	Sourabh Hole	Dr C S Choudhari	Sponsored	Design and development of solar powered hot air engine for electricity generation
	Yash Jagtap			
	Tanmay Gangawane			
	Ritikesh Bagul			

A12	Deshmukh Harshal Sudhakarao	Dr A V Waghmare	In-House	Design and Fabrication of Magnetic Drive
	Kad Gaurav Pruthviraj			
	Kamble Aditya Ashok			
	Kulkarni Aditya Jayesh			
A13	SUMIT SUHAS BENDALE	Prof. S T Gadhe	Sponsored	Optimization of turning parameters of AISI – 1016 using TAGUCHI method
	SHUBHAM VASANT JAWALGE			
	JANHAVI RAJESH KAMBLE			
	UTKARSHA SHRIRANG KODALKAR			
A14	Ayush Manik khaire	Dr C S Dharankar	In-House	Design and Experimental Validation of Vertical Baffles on Sloshing in a Rectangular Tank
	Dnyanu Krishna Dabade			
	Aashish Ashok Chavan			
	Anand Vitthal Chavan			
A15	Mrunal manoj bondre	Prof.Sumant S Patil	Sponsored	Ground variator pulley vibration at high RPM
	Sanket popat bagad			
	Aditya Suhas Kulkarni			
	Kartik Pramod Aher			
A16	Avishake Marick	Dr M M Sayyad	In-House	Design and Development of Portable Air Conditioning System
	Akash Kakade			
	Atharva Joshi			
	Rudresh Ghodke			
A17	Sneha Borude	Dr S J Navale	Sponsored	Analysis of hydro jet pump used in Propulsion System of Combat Vehicle
	Abhishek Pawar			
	Omkar Satish Shede			
	Mandar Shevalkar			
A18	Samarth Ghodake	Dr.M.R.Phate	Sponsored	Design and fabrication of an automated conveyor system and actuator system through cloud
	Pratik Kumbhar			
	Ruturaj Patil			
	Furkan Shaikh			
A19	Vishal Memane	Prof.S.A.Ansari	In-House	
	Vishwajeet Gaikwad			
	Daulat Bhangare			
	Nilesh Bhalchim			
B01	Siddharth Jitendra Mhaske	Dr S V Chaitanya	In-House	Adulterated Grain Filtration Machine
	Tushar Koul			
	Sohail Shaikh			
	Kartik Nandode			
B02	RUPASHREE BRIJESH GAJBE	Dr S R Patil	In-House	Design and Analysis of wings of Aircraft
	PRATIKSHA DURYODHAN SHINDE			
	GAURI SHRIKANT SAKHARE			
	PRAJAKTA GANGADHAR SHINDE			
B03	Darshan Shashikant Ushire	Prof.M.S.Swami	Sponsored	Design, Modelling and Analysis of Airboat
	Prathamesh Rajendra Orpe			
	9860328547			
	Santosh Balu Shirsath			
B04	Pranav Shrikant Purohit	Prof. O A More	Sponsored	Design, Analysis and Manufacturing of Section Bending Machine
	Vijay Pravin Pawar			
	Parag Suresh Patil			
	Sudhanshu Balaso Patil			
B05	Geetesh Santosh Tiwarekar	Prof.P V Deshmukh	In-House	Design and Optimization of Bullpup Assault Rifle for Indian Armed Forces
	Shubham Manohar Kothawade			
	Vaibhav Kailas Patel			
	Yash Yeole			

B06	Ranjeet Shivgonda Patil	Prof.G.P.Lohar	In-House	Design and Manufacture of Onion Harvester system
	Lalit kishor patil			
	Aashutoshsingh Shamsingh Pardeshi			
	Omkar Sanjay Patil			
B07	Sachi Joshi	Dr M S Deshmukh	In-House	Performance Assessment of VCC based Water Extraction System from Atmospheric Air.
	Ajinkya Maslekar			
	Sakshi Patil			
	Yashashree Santosh Kulkarni			
B08	Parshwa Mehta	Prof.N N Gotkhindikar	In-House	A novel FDM based additive manufacturing of PLA components using Optimized deep learning strategy
	Anushka Kulkarni			
	Shrutika Londhe			
	Rekhe Maithili Mahesh			
B09	Omkar Gavali	Prof.R.A.Marne	In-House	Numerical modelling and analysis of disc brake system
	Tanay Salve			
	Rajat Dubey			
	Omkar Shivaji Patil			
B10	shubham singh yadav	Dr Mrs P S Gajjal	In-House	Design and analysis of thermal barrier coating on piston of two wheeler
	vivek dandade			
	durgesh bhalchandra sonawane			
	sayyed imran ameen			
B11	Atharav Partharaj Naik	Dr S R Patil	Sponsored	Cycle time optimization of CNG regulator body
	Faiz Ahmed Anis Ahmed Patel			
	Bhairav Kishor Rane			
B12	Monali Yogesh Patil	Dr S.H.Wankhade	In-House	Productivity enhancement through AI and automation
	Akanksha Chandrakant Yesumali			
	Vikas Kumar Paroha			
	Vivek singh			
B13	Manjiri patil	Mrs M P Shah	In-House	Engineering The Smart Factory
	Abhishek Mhaske			
	Gaurav Mane			
	Aarthna patel			
B14	Aishwarya More	Mrs A T Thombare	In-House	Design and Development of Multipurpose Weeder Machine
	Mansi Sonawane			
	Somnath Gavali			
	Sidhdee Bhase			
B15	Atharva Pawar	Prof. P G Kokare	In-House	Modifications in wall groove cutting machine
	Arya Pohekar			
	Arshil Mujawar			
	Susham Patki			
B16	Shubham Nabage	Prof.S S Khasbage	In-House	Drafting and Analysis of Steering Upright
	Harshal Vasave			
	Sakshi Deepak Patil			
B17	Sujal Sanap	Mr Y B Karandikar	In-House	Design and development of floor cleaning machine
	Vrushank Mangrulkar			
	Pranav Nikam			
	Ruturaj Nikam			
B18	Gaurav Tushar Thakker	Dr A.M.Ramteke	In-House	Design and Development of Reverse Osmosis Filtration System
	Akash Sanjukumar Sonkawade			
	Ranjeet Anand Shinde			
	Tukaram Bhoigude			
B19	VISHWA SHA	Dr D.S.Malwad	In-House	Design and Development of Rotating Tray Solar Dryer
	MAHESH MAHAJAN			
	PRATIK SUTAR			
	SAHIL SHELAR			

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**Head of Department
Mechanical Engineering
AISSMS, COE, PUNE,**