



Pradnya Niketan Education Society, Pune's  
**N. K. ORCHID COLLEGE OF ENGINEERING  
& TECHNOLOGY, SOLAPUR**

NAAC Accredited, Approved by AICTE, New Delhi & Affiliated to DBATU, Lonere  
E-mail : office@orchidengg.ac.in, Website : www.orchidengg.ac.in, Phone No. 9423084363  
Post Box No. 154, Gut No. 16, Solapur-Tuljapur Road, Tale Hipparaga, Solapur- 413 002.

## Civil Engineering Department

### CRITERIA -I

**1.1.1 The Institution ensures effective curriculum planning and delivery through documented process including academic calendar and conduct of continuous internal assessment**

**A.Y. 2022-23**

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Post Box No. 154, Gut No. 16, Solapur-Tuljapur Road, Tale Hipparaga, Solapur- 413 002.

Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

University Calendar





डॉ. बाबासाहेब आंबेडकर तंत्रशास्त्र विद्यापीठ, लोणेरे  
Dr. Babasaheb Ambedkar Technological University, Lonere

(Established under Act No XXIX of 2014 by government of Maharashtra)

विद्याविहार, लोणेरे-रायगड ४०२ १०३ (महाराष्ट्र) Vidyavihar, Lonere - Raigad 402 103 (Maharashtra)

Tel: (02140) 275142 Student Helpline: 02140-275212

Website: www.dbatu.ac.in, E-mail: registrar@dbatu.ac.in



Dr. Bhagwan F. Jogi  
Registrar

डॉ. भगवान फ. जोगी  
कुलसचिव

Dated:12/ 08/2022

**Academic Calendar 2022-23 (Odd Semester) (Engineering)**

Sl. No.	Activity	Commencement Date	Concluding Date	Total Days	Engineering
1	Admissions: B.Tech. Second, Third and Final Year; M.Tech. Second year.	September 01, 2022	September 10, 2022	10	UG and PG
2	Commencement of Classes of Second, Third and Final Year	September 01, 2022	December 19, 2022	110	UG and PG
3	Dissertation Examination of the Academic Year 2021-2022	September 01, 2022	September 10, 2022	10	PG
4	Mid-Semester Examinations	October 12, 2022	October 21, 2022	09	UG and PG
5	Submission of Dissertation Proposal to University	October 18, 2022	October 21, 2022	04	PG
6	Display of Mid-Semester Examination Marks	October 28, 2022	October 31, 2022	04	UG and PG
7	Scrutiny of Master's Level Dissertation Work Proposal	November 01, 2022	November 03, 2022	03	PG
8	Exam Form Filling for Regular & Supplementary Examinations	November 01, 2022	November 08, 2022	08	UG and PG
9	Exam Form Filling for Regular & Supplementary Examinations with Late Fee	November 09, 2022	November 15, 2022	07	UG and PG
10	University Tech Fest 2021	November 17, 2022	November 19, 2022	03	UG and PG
11	End of Classes	--	December 19, 2022	110	UG and PG
12	Practical/Project/Seminar Examinations	December 20, 2022	December 23, 2022	04	UG and PG
13	Uploading Internal, Mid Semester, Practical, Project and Seminar marks on University portal	December 22, 2022	December 24, 2022	03	UG and PG
14	End Semester Regular & Supplementary Examination	December 26, 2022	January 21, 2023	26	UG and PG
15	Internship/Industrial Training#				
16	Vacation	January 1, 2023	January 20, 2023	20	Faculty and Staff





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Registrar

डॉ. भगवान फ. जोगी  
कुलसचिव

Date: 12/08/2022

17	Commencement of Classes	February 1, 2023	May 31, 2022	120	UG and PG
18	Remedial Examination	February 21, 2023	March 3, 2023	10	UG and PG

#Industrial training will be carried out after completion of odd semester or in the staggered manner in the period of entire odd semester (Preferably on Saturdays, Sundays and Holidays) and partially in the vacation after odd semester. Another option could be permit the training in online mode which is not less than 120 hours.

**Table 2 : List of Festivals / Holidays**

Sl. No.	Festivals / Holidays	Date
1	Dasara	Wednesday, 05 October, 2022
2	Diwali Laxmi Pujan	Monday, 24 October, 2022
3	Diwali Balipratipada	Wednesday, 26 October, 2022
4	Guru Nanak Jayanti	Tuesday, 08 November, 2022

**Table 3 : Following Holidays fall on Sunday**

Sl. No.	Festivals / Holidays	Date
1	Mahatma Gandhi Jayanti	02 October, 2022
2	Id-E-Milad	09 October, 2022
3	Christmas	25 December, 2022

3/12-08-2022  
(Dr. B. F. Jogi)  
Registrar



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Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

Institute Calendar






Pradnya Niketan Education Society, Pune.  
NAGESH KARAJAGI ORCHID COLLEGE OF ENGG. & TECH., SOLAPUR.  
AY (2022-23) Odd Semester  
ACADEMIC CALENDER

Sr. No.	Date	Activity
1	05 <sup>th</sup> Sept 2022	Commencement of TY and B. Tech classes Orientation programs for all classes (First week). Presentations by HOD, CC, TPO, GATE Coordinator Teachers day celebration
2	12 <sup>th</sup> Sept 2022	Commencement of SY Classes Orientation programs for all classes (First week). Presentations by HOD, CC, TPO, GATE Coordinator
3	15 <sup>th</sup> Sept 2022	Engineers day celebration
4	3 <sup>rd</sup> Oct to 10 <sup>th</sup> Oct 2022	CA-1 exam for TY
5	7 <sup>th</sup> Oct to 16 <sup>th</sup> Oct 2022	CA-1 exam for SY, B.Tech
6	14 <sup>th</sup> Oct to 19 <sup>th</sup> Oct 2022	Mid semester feedback of SY, TY, B.Tech classes
7	23 <sup>th</sup> Oct to 26 <sup>th</sup> Oct 2022	Diwali Holiday
8	31 <sup>st</sup> Oct to 9 <sup>th</sup> Nov 2022	Mid sem exam TY
9	7 <sup>th</sup> Nov 2022 to 16 <sup>th</sup> Nov 2022	Mid sem exam for SY and B. Tech
10	13 <sup>th</sup> Nov 2022	Display of mid sem exam marks to the students(TY)
11	20 <sup>th</sup> Nov 2022	Display of mid sem exam marks to the students(SY, B. Tech)
12	1 <sup>st</sup> Dec to 7 <sup>th</sup> Dec 2022	CA -II SY, TY & B.Tech End sem feedback of SY, TY, B.Tech classes
13	10 <sup>th</sup> Dec 2022	End of classes for TY and B. Tech
14	11 <sup>th</sup> Dec to 15 <sup>th</sup> Dec 2022	Practical /project/seminar Exam for TY and B. Tech
15	17 <sup>th</sup> Dec 2022	End of classes for SY
16	15 <sup>th</sup> Dec to 20 <sup>th</sup> Dec 2022	Practical /project/seminar Exam for SY
17	22 <sup>nd</sup> Dec to 24 <sup>th</sup> Dec 2022	Uploading Internal, Midsem, project and seminar marks to university portal
18	26 <sup>th</sup> Dec 2022 to 21 <sup>st</sup> Jan 2023	End sem regular and supplementary exam
19	1 <sup>st</sup> Feb 2023	Commencement of classes for next semester

  
(Dr. P. D. Bahirgonde)  
Dean Academic



  
(Dr. J. B. Dafedar)  
Principal





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Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

Wall Hanging Calendar





NAAC Accredited

# NK ORCHID

## COLLEGE OF ENGINEERING & TECHNOLOGY, SOLAPUR

Gat No.16, Solapur-Tuljapur Road, Tale-Hipparaga, Solapur 413 002, Maharashtra (India).  
Cell : 9423084363, Email : office@orchidengg.ac.in, Website : www.orchidengg.ac.in

### SEPTEMBER 2022

9

#### NOTE

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				01 <small>FY Sem 2 Practical Oral Exam</small>	02	03
04	05 <small>FY Sem 2 End Sem Exam Commences</small>	06	07	08	09 <small>Anant Chaturdashi</small>	10
11	12	13	14	15	16	17
18	19	20	21	22 <small>TY Sem-V &amp; B.Tech Sem-VII CA-I Paper 1</small>	23 <small>Paper 2</small>	24 <small>Paper 3</small>
25	26 <small>Paper 4</small>	27 <small>Paper 5</small>	28 <small>Paper 6</small>	29	30	

#### AUGUST 2022

S	M	T	W	T	F	S
	01	02	03	04	05	06
07	08	09	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

#### OCTOBER 2022

S	M	T	W	T	F	S
30	31					01
02	03	04	05	06	07	08
09	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29



Institution Innovation Council (IIC) with STAR Ratings  
for the IIC Calendar Year 2020-21  
Zone : Western / WRO

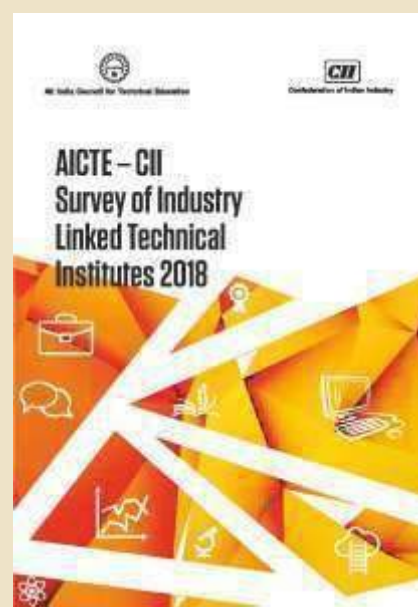
ICD ID : IC201810076

Institute Name : N. K. Orchid College of  
Engineering and Technology, Solapur.

City / State : SOLAPUR, Maharashtra

Zone : Western / WRO

Rating : 3.5 Star (★★★★☆)



Confederation of Indian Industry

Consecutively rated in  
**PLATINUM BAND**  
for last 3 years  
2019-20, 2018-19, 2017-18





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Nagesh Karajagi ORCHID College of Engineering &  
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Civil Engineering Department

Academic Year: 2022-23

Department Calendar



**Department of Civil Engineering**  
**Academic Calendar AY 2022-23**  
**SEM-II**

Month	Week	Departmental Activities
<b>Feb</b>	3 <sup>rd</sup>	<ul style="list-style-type: none"> <li>• Load distribution &amp; time table</li> <li>• Planning for additional skilled development courses for TY</li> <li>• Dept. Academic Calendar</li> <li>• Finalizing Roll Call list</li> <li>• Collection of teaching plan and Practical conduction plan</li> <li>• Finalization of Diploma connect coordinator</li> </ul>
	4 <sup>th</sup>	<ul style="list-style-type: none"> <li>• 20th Feb -Commencement of Sem-II for TY &amp; BTech.</li> <li>• Orientation programs for all classes (First week). [HOD, CC, TPO, Aptitude Coordinator]</li> <li>• Distribution of proctor teachers.</li> <li>• <b>Funding proposal submission</b></li> <li>• Diploma connect activities</li> <li>• Mark uploading to DBATU</li> </ul>
	5 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Student Activities Under Civil Engineering Student Association</li> <li>• Website updating</li> <li>• Mini project topic and guide finalization</li> <li>• Project Allotment and Review</li> </ul>
<b>Mar</b>	1 <sup>st</sup>	<ul style="list-style-type: none"> <li>• 1st March Display of attendance</li> <li>• Guest lecture from Industry expert</li> <li>• Industrial visit</li> <li>• Diploma connect activities</li> </ul>
	2 <sup>nd</sup>	<ul style="list-style-type: none"> <li>• 8th March Women's day</li> <li>• Diploma connect activities</li> <li>• <b>Parents Meet</b></li> <li>• Departmental File updating</li> <li>• CESA activity</li> </ul>
	3 <sup>rd</sup>	<ul style="list-style-type: none"> <li>• <b>Alumni Meet (Pune)</b></li> <li>• <b>GATE result</b></li> <li>• Collection of teaching plan and Practical conduction plan of SY classes</li> </ul>
	4 <sup>th</sup>	<ul style="list-style-type: none"> <li>• 20<sup>th</sup> March Commencement of Sem-II for SY</li> <li>• 20<sup>th</sup> March CA-1 Exam of TY &amp; B.Tech.</li> <li>• Orientation programs for SY classes (First week). [HOD, CC, TPO, Aptitude Coordinator].</li> <li>• First Teaching-Learning feedback from students (TY and B Tech)</li> <li>• Diploma Connect</li> </ul>
	5 <sup>th</sup>	<ul style="list-style-type: none"> <li>• CA-1 Result of TY and BTech Classes, Progress Report to Parents</li> <li>• Scholars and slow learners list for TY &amp; B.Tech</li> <li>• Student Activities Under Civil Engineering Student Association</li> <li>• Expert session</li> <li>• Students competition</li> </ul>
<b>Apr</b>	1 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Display of attendance and defaulter list</li> <li>• Intimation to parents through sms and letter (students' progress)</li> <li>• First Teaching-Learning feedback from students (SY)</li> <li>• Mid semester Examination (TY and B Tech)</li> </ul>
	2 <sup>nd</sup>	<ul style="list-style-type: none"> <li>• Website update and file update</li> <li>• Student participation in competition</li> <li>• Interdepartmental sports / quiz</li> <li>• Student extension activities</li> <li>• Intimation of result to parents</li> <li>• Parents Meet</li> <li>• Diploma connect review</li> <li>• Mid-sem. Results and list of slow learner and scholar students</li> </ul>



JANUARY							FEBRUARY							MARCH							APRIL																																
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S																										
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8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31													
29	30	31	26	27	28	26	27	28	29	30	31	26	27	28	29	30	31	30																																			

MAY							JUNE							JULY							AUGUST																																		
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7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31														
28	29	30	31	25	26	27	28	29	30	30	31	30	31	30																																									

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER																																	
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S																											
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8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31										
24	25	26	27	28	29	30	29	30	31	26	27	28	29	30	31																																							



*Nagesh Karajagi*  
**HEAD**  
**CIVIL ENGG. DEPT**  
**NAGESH KARAJAGI ORCHID**  
**COLLEGE OF ENGG. & TECH. SOCIETY**





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Civil Engineering Department

Academic Year: 2022-23

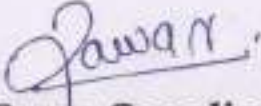
ICA Notice & Time-Table



**NAGESH KARAJAGI ORCHID COLLEGE OF ENGG. & TECH., SOLAPUR****DEPARTMENT OF CIVIL ENGINEERING****Continuous Assessment - I (CA-I) Examination 2023-24****Class: SY, TY and B.Tech (A&B) Sem.-III, V and VII**

All the students of SY, TY and B.Tech. Civil are hereby informed that the Continuous Assessment-I (CA-I) exam is scheduled from 08/09/2023 to 12/09/2023. Please note the Time Table mentioned below.

Sr. No.	Date	Day	Time	Subject		
				SY	TY	B.Tech
01	08/09/2023	FRI	10.30 am to 12.00 noon	BCD	DSS	DCS-II
02			3.00 pm to 4.30 pm	SUR	GE	IE
03	09/09/2023	SAT	10.30 am to 12.00 noon	MS	SM-II	CT
04			3.00 pm to 4.30 pm	HYD-I	CT	PP
05	11/09/2023	MON	10.30 am to 12.00 noon	EM-III	PM	Elective IV (LSDS) and (RM)
06			3.00 pm to 4.30 pm	-	Elective (AEE) and (MTE)	Elective V
07	12/09/2023	TUE	10.30 am to 12.00 noon	-	SACE	Foreign Language

  
**Exam Coordinator**

  
**Head**  
**Dept. of Civil Engg.**

  
**Principal**

F:\2023-24\Sem-III\CA-I Exam 2023-24\CA-I Exam Time Table Sem-I 2023-24



**NAGESH KARAJAGI ORCHID COLLEGE OF ENGG. & TECH., SOLAPUR**

**DEPARTMENT OF CIVIL ENGINEERING**

**Mid Semester Examination 2023**

**Class: B.Tech. (A&B) Sem.-VIII**

All the students of B.Tech. (A&B) Civil are hereby informed that the Mid Semester exam is scheduled from 28/04/2023 to 29/04/2023. Please note the Time Table mentioned below.

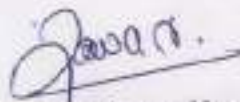
Sr. No.	Date	Day	Time	Subject
01	28/04/2023	FRI	06 pm to 07 pm	Maintenance and Repairing of Concrete Structures
				Structural Dynamics
02	29/04/2023	SAT	06 pm to 07 pm	Energy Efficiency Acoustics and Daylighting in Building
				Remote Sensing Essential

**Note:**

1. Examination of 30 marks will be conducted online.
2. Question will be given by the subject teacher as per above time table around 6 pm on Whatsapp.
3. Any changes or additional information will be convey on Whstapp group.



**Test In charge**



**Exam Coordinator**



**Head  
Dept. of Civil Engg.**



F:\2022-23\Sem-IV\Mid Sem Exam 2022-23\Mid Sem Exam Time Table Sem-VIII 2022-23





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**N. K. ORCHID COLLEGE OF ENGINEERING  
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Post Box No. 154, Gut No. 16, Solapur-Tuljapur Road, Tale Hipparaga, Solapur- 413 002.

Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

In-Semester Exam  
Marksheets



**Nagesh Karajagi Orchid College of Engg. & Tech., Solapur**  
**Department of Civil Engineering**  
**A.Y. 2022-23-Sem.-III**  
**CA-I Result Analysis**  
**Class-SY-A**

Roll. No.	PRN	Name of Students	EM-III (10)	HYD-I (10)	MS (10)	SUR (10)	BCD (10)	Total Marks 50	Average
SYA 1	2162231191010	CHAVAN AKASH VIJAY	9	4	10	10	4	37	74
SYA 2	2162231191006	CHOUDHARI VAISHNAVI SUNIL	10	10	10	10	4	44	87
SYA 3	2162231191001	JEWARGI GURUPRASAD MANTAPPA	10	10	10	10	4	44	87
SYA 4	2162231191002	MANE ONKAR NAGESH	9	9	10	10	4	42	84
SYA 5					10		4		0
SYA 6	2162231191005	MANTHALKAR VAISHNAVI SANTOSH	10	10	10	10	5	45	90
SYA 7	2162231191011	RATHOD ONKAR KANTU	9	10	10	10	4	43	85
SYA 8	2162231191004	SHAIKH TALBIYA ASIF IQBAL	8	10	10	10	6	44	88
SYA 9	2162231191003	SHINDE ROHINI KASHINATH	10	10	10	10	8	48	96
SYA 10					10		4		0
SYA 11	2162231191583	IMADE KALLAPPA VITTHAL	10	10	10	9	8	47	93
SYA 12	2162231191009	SUPATE INDRAJIT ABHIJIT	5	4	10	5	3	27	54
SYA 13	2262231191596	JADHAV SUKANYA SANJAY	9	4	10	10	10	43	86
SYA 14	2262231191546	ADAM MAHESHWARI CHANDRAKANT	10	10	10	9	6	45	90
SYA 15	2262231191550	ANGARKAR SHRAVANI SACHIN	9	10	10	8	5	42	83
SYA 16	2262231191578	ARENAVARU SAHIL BASAVARAJ		9	10	9	4	41	81
SYA 17	2262231191565	BHOSALE ANIRUDHA SUDHIR		9	10	9	5	42	84
SYA 18	2262231191541	BHOSALE PRATHMESH SIDDHANATH	10	10	10	9	8	47	94
SYA 19	2262231191548	BOGA TARUN PRABHAKR		9	10	10	7	46	91
SYA 20	2262231191547	CHANDRIKA SIDDARAM NIMBALE	10	9	10	9	7	45	90

SYA 21	2262231191592	SHAIKH MD KAIF RIYAZUDDIN	10	10	10	10	7	47	94
SYA 22	2262231191517	DOLLE SIDDHARAM BIRAPPA	8	10	10	10	4	42	83
SYA 23	2262231191524	EKKALDEVI VARUN SHRINIVAS	9	9	10	9	6	43	85
SYA 24	2262231191607	GAIKWAD AJINKYA DASHARATH	8	10	10	9	5	42	83
SYA 25	2262231191587	GUNDU JYOTI SATYANARAYAN	10	10	10	10	8	48	95
SYA 26	2262231191519	INAMDAR RANJIT SANJAY	10	9	10	6	7	42	84
SYA 27	2262231191582	IRKAL VRUSHALI VISHWANATH	9	10	10	10	6	45	89
SYA 28	2262231191504	JADHAV ADITYA SANTOSH	9	10	10	10	7	46	92
SYA 29	2262231191606	JAHAGIRDAR JABEEN RASID	9	10	10	10	5	44	88
SYA 30	2262231191522	KANKI MAYURI RAVIKUMAR	10	10	10	10	8	48	96
SYA 31	2262231191575	KARIYADIYAR SIDHANNA MADDANI	9	8	10	10	7	44	88
SYA 32	2262231191585	KHADTARE VAISHNAVI NAGNATH	10	4	10	10	9	43	86
SYA 33	2262231191588	KORE PIYUSH SANJAY	10	10	10	9	8	47	94
SYA 34	2262231191572	KUDRE OM SUNIL	10	9	10	10	7	46	92
SYA 35	2262231191511	MAHAPURE SWAPNALI MAHADEV	10	10	10	10	8	48	96
SYA 36	2262231191593	MANIYAR RUZAN AFJALPASHA	5	4	10	5	4	24	48
SYA 37	2262231191545	MANTRI ROHAN SHRINIVAS	9	10	10	8	7	44	87
SYA 38	2262231191597	NARUNE BHAGYASHRI SHIVARAYA	10	10	10	10	7	47	94
SYA 39	2262231191577	NILSE NISHA VYANKATESH	9	10	10	10	7	46	91
SYA 40	2262231191536	OTARE MAKARAND SATISH	10	10	10	10	8	48	96
SYA 41	2262231191516	PANCHBHAI YAMAAN AFROZ	10	10	10	9	7	46	92
SYA 42	2262231191506	PATHAN AMINA RIYAZ	9	10	10	10	8	47	94
SYA 43	2262231191563	PATWEGAR MD ALI RIYAZ AHMED		10	10	9	5	44	88
SYA 44	2262231191526	PAWAR NARESH ROHIDAS		9	10	9	4	41	82
SYA 45	2262231191594	PAWAR UDAYSING NAGESH		9	10	9	8	46	92
SYA 46	2262231191584	PAWAR VAISHNAVI VIJAYKUMAR		10	10	10	8	48	96
SYA 47	2262231191555	PHULARI JUNAID SAMEER		10	10	10	7	47	94





SYA 48	2262231191535	POTABATTI MANJUNATH TULJARAM	10	10	10	10	8	48	96
SYA 49	2262231191533	SAYYAD ABUBAKAR SIDDIQ MANSUR	9	9	10	10	6	44	88
SYA 50	2262231191611	SHAIKH ARYANAHMED SALIM	10	9	10	10	7	46	91
SYA 51	2262231191562	SHAIKH KASHAF ARA RAHIL	8	10	10	10	8	46	92
SYA 52	2262231191590	SHAIKH MOHAMMED ALKAMA ABSAR AHMAD	10	10	10	10	8	48	95
SYA 53	2262231191561	SHAIKH MOHOMED ZAID MOHOMED RIYAZ	6	9	10	10	4	39	78
SYA 54	2262231191595	SHAIKH SHAHANAWAJ ABDUL	5	4	10	5	4	24	48
SYA 55	2262231191598	SHINDE PRIYANKA GOROBA	10	10	10	10	7	47	94
SYA 56	2262231191523	SONAWANE ONKAR SANTOSH	10	9	10	10	7	46	91
SYA 57	2262231191586	SURAMPALLI SHRAVYA SAMPAT	10	10	10	10	9	49	98
SYA 58	2262231191505	SUTAR AMAR SAUDAGAR	7	8	10	10	6	41	82
SYA 59	2262231191576	TAMBOLI TAHMEED JUBER	4	4	10	5	4	23	46
SYA 60	2262231191557	VHANMANE AVINASH RAJENDRA	10	9	10	10	6	45	89
SYA 61	2262231191613	WAGHMARE RITESH JETINGA	10	10	10	10	5	45	90
SYA 62	2262231191569	YERUR SIDDHARTH NAGESH	8	4	10	9	4	35	70
SYA 63	2262231191537	SAYYED AHTESHAM MD ASLAM	10	4	10	10	7	41	82
SYA 64	2262231191574	SHAIKH UMKID HASAN A HAMID	10	4	10	10	4	34	68

  
Test Incharge



  
Head  
Dept. of Civil Engg.



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Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

Student Association Activity

Report





Pradnya Niketan Education Society, Pune.

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Post Box No. 154, Gut No. 16, Solapur-Tuljapur Road, Tale Hipparga, Solapur-413 002.

Ref.: NKOCETS/Civil. Engg./Notice /2023/

Date: 10/03/2023

## **NOTICE**

All The Students of TYA&B) are hereby informed to attend Guest Lecture on  
**"Effective use of MS Project"** by Mr. Chetan Shivchalappa Loni at 4 pm.

Venue: ARC Hall

**Note:** Attendance is compulsory.



  
**Head**  
**Dept. of Civil Engg.**





GPS Map Camera



Hipparge, Maharashtra, India  
PW99+QJQ, Hipparge, Maharashtra 413002, India  
Lat 17.719335°  
Long 75.918925°  
10/03/23 04:20 PM GMT +05:30



**NAGESH KARAJAGI ORCHID COLLEGE OF ENGG. & TECH., SOLAPUR**

**Department of Civil Engineering**

**Academic Year: - 2022 - 23 (Sem.-II)**

**Roll Call List-T.Y. - (Sem.-VI)-(w.e.f 20/02/2023)**

**Class - TY-A**

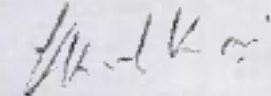
**MSP program at ARC Hall on 10-3-2023**

Roll No.	PRN No.	Name of Students	Sign of student
TYA-01	T2162231191553	ANKAM DIVYASRI SATISHKUMAR	
TYA-02	T2062231191004	BHAWAL ANIRUDDH BALASAHEB	
TYA-03	T2062231191014	BHOSALE VAIBHAV VAMAN	
TYA-04	T2062231191006	BOMANE ONKAR GOPAL	
TYA-05	T2062231191002	DHUMMA ADITYA BABURAO	
TYA-06	T2062231191018	GADEKAR YASH SARJERAO	
TYA-07	T2062231191011	GAIKWAD SHRIDHAR PRAMOD	
TYA-08	T2062231191003	GANGAVE AKASH MAHESH	
TYA-09	T2062231191013	GHAGARE SUSHANT MAHESH	
TYA-10	T2062231242116	GHODAKE SHREYAS MARGU	
TYA-11	T2062231191010	INAMDAR RAKHSHANDA A RAUF	
TYA-12	T2062231191017	JADHAV YASH GURUNATH	
TYA-13	T2062231191015	JAVALKOTE VINOD NAGNATH	
TYA-14	T2062231612010	KALE PRANAV RAMESH	
TYA-15	T2062231372031	KAMBLE RUTUJA MADHUKAR	
TYA-16	T2062231191007	KARAJGI PRANAV BANJIV	
TYA-17	T2162231191561	KUMBHAR PALLAVI SHARNAPPA	
TYA-18	T2062231191019	MANE YASHRAJ SACHIN	
TYA-19	T2062231191016	MULAGE VISHAL SURYAKANT	
TYA-20	1962231242129	NANDIMATH SANKET DIPAK	
TYA-21	T2062231191008	NIMBAL PRATHAMESH SHIVANAND	
TYA-22	T2162231191590	PATIL SAMRUDHI MADHAVRAO	
TYA-23	T2162231191556	PATIL SUNIL SAHEBGOUDA	
TYA-24	T2162231191512	PATRE SAMIKSHA VILAS	
TYA-25	T2162231191564	PAWAR PRASAD SUNIL	
TYA-26	T2162231191519	PAWAR PRAVIN PRABHAKAR	
TYA-27	T2162231191503	PAWAR SOURAV ANKUSH	
TYA-28	T2062231191009	PENDPALE RAHUL VINOD	
TYA-29	T2162231191524	PHALPHALE SHWETA SIDDHESHWAR	
TYA-30	T2162231191510	PISE SHRAVANI NAGESH	
TYA-31	T2162231191582	RAPELLI SHUBHAM PRABHAKAR	
TYA-32	T2162231191548	RATHOD AKASH SHESHERAO	
TYA-33	T2162231191568	REURE SHIVANAND PRAKASH	
TYA-34	T2162231191514	SAMLETI PRASHANT JAGANNATH	
TYA-35	T2162231191593	SARVADE AKASH SANJEEVKUMAR	
TYA-36	T2162231191532	SAYYAD SHOAB HARUNALI	
TYA-37	T2062231191005	SHAIKH MOHAMMED TAQUEE AJAJ AHMED	
TYA-38	T2162231191560	SHAIKH RAJAK GULAB	
TYA-39	T2162231191546	SHAIKH SHOAB MD JAWEED	
TYA-40	T2162231191511	SHETE ATHARV NILKANTH	
TYA-41	T2162231191540	SHINDE KARTIK ANIL	





TYA-42	T2162231191599	SHINDE ROHIT SUBHASH	
TYA-43	T2162231191515	SHINDE SANCHI BALU	
TYA-44	T2162231191600	SHINDE SUMIT SUHAS	
TYA-45	T2162231191577	SHINGADE SAKSHI YASHPAL	
TYA-46	T2162231191530	SHIVASHARAN RAVIKANT AAPPASAHEB	
TYA-47	T2162231191547	SHRIRAM AMOL JANRDHAN	
TYA-48	T2162231191601	SHRIRAM SHRUTIKA BALAJI	
TYA-49	T2162231191549	TAMBOLI ROJANA SALIM	
TYA-50	T2162231191538	TYARALA AASHISH GIRISH	
TYA-51	T2162231191602	UKANDE YUVARADNYEE SUMIL	
TYA-52	T2162231191842	USTAD RAYYAN JEELANI	
TYA-53	T2162231191588	VANGARI HEMANT BALAJI	
TYA-54	T2162231191587	VIJAPURE NIKHIL ASHOK	
TYA-55	T2162231191585	YANGANTI ARCHANA ANAND	
TYA-56	T2162231191562	YANKALE SURAJ VILYAM	
TYA-57	T2162231191578	YEDUR PRADNYA VIKRAM	
TYA-58	T2162231191531	YELDI SHIVA BALAJI	
TYA-59	T2062231191012	ZENDAGE SHUBHANGI BALKRISHNA	
TYA-60	T2162231191527	ZINGONI NIKHIL SHANKAR	
TYA-61	T2162231191528	ZINGONI VAIBHAV RAM	

  
**Class Co-ordinator**  
**(Prof. Kulkarni G. J.)**







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Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

University POE Exam Schedule



**NAGESH KARAJAGI ORCHID COLLEGE OF ENGG. & TECH.,  
SOLAPUR**

**Department of Civil Engineering**

**Practical/Oral Examinations, Feb. 2023**

All the students of S.Y- B.Tech. (Civil) here by informed to note the Practical &  
Oral examination, Feb. 2023 Schedule on follows.

**SY-B.Tech. (Civil) Part – I**

Subject	Date	Exam Seat Nos./Roll Nos.	Time	Venue
(BTCVL307) Solid Mechanics Laboratory	20/02/2023	Roll No. SY-A - 01 to 32	10 am to 11:30 am	SOM Lab
		Roll No. SY-B - 01 to 32	11:30 pm to 1 pm	
		Roll No. SY-A - 33 to 64	1:30 am to 3 pm	
		Roll No. SY-B - 01 to 65	3:30 pm to 5 pm	
(BTCVL308) Hydraulics-I Laboratory	20/02/2023	Roll No. SY-B - 01 to 65	10 am to 11:30 am	Hydraulics Lab
		Roll No. SY-A - 33 to 64	11:30 pm to 1 pm	
		Roll No. SY-B - 01 to 32	1:30 am to 3 pm	
		Roll No. SY-A - 01 to 32	3:30 pm to 5 pm	
(BTCVL 309) Surveying Laboratory	20/02/2023	Roll No. SY-A - 33 to 64	10 am to 11:30 am	Surveying Lab
		Roll No. SY-B - 01 to 65	11:30 pm to 1 pm	
		Roll No. SY-A - 01 to 32	1:30 am to 3 pm	
		Roll No. SY-B - 01 to 32	3:30 pm to 5 pm	

All students should remain present 30 mins. before the given schedule.

  
POE Coordinator



  
Head  
Dept. of Civil Engg.

**Department of Civil Engineering  
Practical/Oral Examinations, Jan. 2023**

All the students of T.Y. (Civil) here by informed to note the Practical & Oral examination, Jan. 2023 Schedule on follows.

**T.Y. (Civil) Part – I**

Subject	Date	Exam Seat Nos./Roll Nos.	Time	Venue
(BTCVL508) SDD of Steel Structures Lab	02/01/2023	Roll No. T.Y A - 01 to 20	10 am to 12 noon	SM Lab.
		Roll No. T.Y B - 01 to 20	12.45pm to 2.45pm	
		Roll No. T.Y A - 21 to 40	3pm to 5pm	
	03/01/2023	Roll No. T.Y A - 41 to 63	10 am to 12 noon	
		Roll No. T.Y B - 41 to 61	12.45pm to 2.45pm	
		Roll No. T.Y B - 21 to 40	3pm to 5pm	
(BTCVL509) Geotechnical Engineering Lab.	02/01/2023	Roll No. T.Y A - 21 to 40	10 am to 12 noon	Geotechnical Lab
		Roll No. T.Y B - 21 to 40	12.45pm to 2.45pm	
		Roll No. T.Y B - 41 to 61	3pm to 5pm	
	03/01/2023	Roll No. T.Y B - 01 to 20	10 am to 12 noon	
		Roll No. T.Y A - 01 to 20	12.45pm to 2.45pm	
		Roll No. T.Y A - 41 to 63	3pm to 5pm	
(BTCVL510) Concrete Technology Lab.	02/01/2023	Roll No. T.Y B - 41 to 61	10 am to 12 noon	Concrete Technology Lab.
		Roll No. T.Y A - 41 to 63	12.45pm to 2.45pm	
		Roll No. T.Y A - 01 to 20	3pm to 5pm	
	03/01/2023	Roll No. T.Y B - 21 to 40	10 am to 12 noon	
		Roll No. T.Y A - 21 to 40	12.45pm to 2.45pm	
		Roll No. T.Y B - 01 to 20	3pm to 5pm	

All students should remain present before 30 mins. at given schedule.

  
POE Coordinator



  
Head  
Dept. of Civil Engg.



**NAGESH KARAJAGI ORCHID COLLEGE OF ENGG. & TECH.,  
SOLAPUR**

**Department of Civil Engineering**

**Practical/Oral Examinations, Jan. 2023**

All the students of B. Tech. (Civil) here by informed to note the Practical & Oral examination, Jan. 2023 Schedule on follows.

**B.Tech. (Civil) Part – I**

Subject	Date	Exam Seat Nos./Roll Nos.	Time	Venue
(BTCVL707) Design & Drawing of RC & Steel Structures	02/01/2023	Roll No. B.Tech A - 01 to 38	10 am to 1 pm	Engg. Geology Lab
		Roll No. B.Tech B - 01 to 38	1:30 pm to 5 pm	
	03/01/2023	Roll No. B.Tech A - 39 to 77	10 am to 1 pm	
		Roll No. B.Tech B - 39 to 75	1:30 pm to 5 pm	
(BTCVL708) Professional Practices	02/01/2023	Roll No. B.Tech B - 39 to 75	10 am to 1 pm	Concrete Engg. Lab
		Roll No. B.Tech A - 39 to 77	1:30 pm to 5 pm	
	03/01/2023	Roll No. B.Tech B - 01 to 38	10 am to 1 pm	
		Roll No. B.Tech A - 01 to 38	1:30 pm to 5 pm	
(BTCVS710) Seminar	04/01/2023	BA-I (01 to 25), BA-II (26 to 50), BA-III (51 onwards)	10 am to Onwards	Respective Faculty
		BB-I (01 to 25), BB-II (26 to 50), BB-III (51 onwards)		
(BTCVP711) Project Stage-I	05/01/2023	All Project Batches	10 am to Onwards	Respective Guide

All students should remain present 30 mins. before the given schedule.

  
POE Coordinator



  
Head

Dept. of Civil Engg.



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Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

Subject Distribution List



Nagesh Karajagi Orchid College of Engg. &amp; Tech., Solapur

Dept. of Civil Engg.

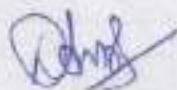
## Load Dist. for SEM - I (A.Y.-2022-23)

Sr. No.	Name of the Faculty	Class	Sub	L	T	P	Total Load
01	Dr. J.B. Dafedar	M.Tech.	SD	03	-	-	03
02	Dr. V. K. Patki	TY (A)	PM	04	-	-	10
		B.Tech.	Elective-APC	04	-	-	
		B.Tech.	PROJECT	-	-	02	
03	Dr. S. S. Jahagirdar	SY (B)	BC	03	03	-	12
		TY	Elective- Adv. Env. Engg.	04	-	-	
		B.Tech.	PROJECT	-	-	02	
04	Dr. S. B. More	TY (A)	GT	04	-	06	16
		TY (B)	GT	04	-	-	
		B.Tech.	PROJECT	-	-	02	
05	Prof. P. A. Sangave	M.Tech.	MMSA	04	-	-	04
06	Prof. Mrs. S.R. Nirantar	FY	EM	04	-	06	16
		FY	EM	04	-	-	
		B.Tech.	PROJECT	-	-	02	
07	Prof. A. Y. Kankuntia	B.Tech. (A) Elective-IV	Elective-Limit State Design of Steel Structure	04	-	-	16
		B.Tech. (B) Elective-IV	Elective-Limit State Design of Steel Structure	04	-	-	
		TY (B)	SDD of Steel Structures Lab.	-	-	06	
		B.Tech.	Project	-	-	02	
08	Prof. G. J. Kulkarni	B.Tech. (A)	Professional Practices	02	-	06	18
		B.Tech. (B)	Professional Practices	02	-	06	
		B.Tech.	Project	-	-	02	
09	Prof. D. S. Pawar	B.Tech. (A)	DCS-II	04	-	-	16
		B.Tech. (B)	DCS-II	04	-	-	
		B.Tech. (A)	Design & Drawing of RC & Steel Structures	-	-	06	
		B.Tech.	Project	-	-	02	
10	Prof. S.M. Kale	SY (B)	Mechanics of Solid	04	-	06	20
		TY (A)	Software application in Civil Engg.	02	-	-	
		TY (B)	Software application in Civil Engg.	02	-	-	
		M. Tech.	CASAD-II	-	-	04	
		B.Tech.	Project	-	-	02	
11	Prof. R.G. Maske	TY (A)	DSS	03	-	-	18
		TY (B)	DSS	03	-	-	
		FY	EM	04	-	-	
		TY (A)	SDD of Steel Structures Lab.	-	-	06	
		B.Tech.	PROJECT	-	-	02	
12	Prof. R.M. Thavare	FY	BC	-	-	04	12
		SY (B)	SUR-I	-	-	06	
		B.Tech.	Seminar	-	-	02	
13	Prof. S.R. Kulkarni	TY (A)	CT	03	-	06	16
		TY (B)	CT	03	-	-	
		B.Tech.	PROJECT	-	-	02	
		B.Tech.	Seminar	-	-	02	





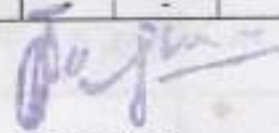
14	Prof. D. N. Rajgiri	TY	Elective-MTE	04	-	-	16
		FY	BC	06	-	02	
		B.Tech.	PROJECT	-	-	02	
		B.Tech.	Seminar	-	-	02	
15	Prof. V.A. Salimath	SY (A)	SUR-I	03	-	06	16
		SY (B)	SUR-I	03	-	-	
		B.Tech.	Seminar	-	-	02	
		B.Tech.	PROJECT	-	-	02	
16	Prof. F.K. Maniyar	B.Tech. (A)	Infrastructure Engg.	03	-	-	16
		B.Tech. (B)	Infrastructure Engg.	03	-	-	
		TY (B)	CT	-	-	06	
		B.Tech.	PROJECT	-	-	02	
		B.Tech.	Seminar	-	-	02	
17	Prof. F. S. Kazi	B.Tech. (A)	WRE	04	-	-	16
		B.Tech. (B)	WRE	04	-	-	
		SY (B)	HE-I	-	-	06	
		B.Tech.	PROJECT	-	-	02	
18	Prof. A. S. Jamdar	SY (A)	Mechanics of Solid	04	-	06	19
		B.Tech.	Elective- EE	03	-	-	
		M.Tech	Elective - II APC	04	-	-	
		B.Tech.	PROJECT	-	-	02	
19	Prof. Mrs. P. A. Vadnal	SY (A)	BC	03	03	-	18
		TY (B)	PM	04	-	-	
		TY (B)	GT	-	-	06	
		B.Tech.	PROJECT	-	-	02	
20	Prof. R. A. Patil	M.Tech.	Ele-I ASA	04	-	-	22
		B.Tech. (B)	Design & Drawing of RC & Steel Structures	-	-	06	
		M.Tech.	DOB	04	-	-	
		FY	EM	-	-	06	
		B.Tech.	PROJECT	-	-	02	
21	Prof. A. A. Sangave	SY (A)	HE-I	04	-	06	18
		SY (B)	HE-I	04	-	-	
		B.Tech.	Seminar	-	-	02	
		B.Tech.	PROJECT	-	-	02	
22	Prof. A. P. Pataskar	FY	C Programming	03	-	06	20
		FY	C Programming	03	-	06	
		B.Tech.	PROJECT	-	-	02	
23	Prof. Joshi	SY (A)	Math-III	03	03	-	16
		SY (B)	Math-III	03	03	-	
		B.Tech.	Seminar	-	-	02	
		B.Tech.	PROJECT	-	-	02	
24	Prof. Rameez Badeghar	TY (A)	SM-II	04	-	-	20
		TY (B)	SM-II	04	-	-	
		M. Tech.	CASAD-I	-	-	04	
		FY	EM	-	-	06	
		B.Tech.	PROJECT	-	-	02	
25	Prof. Boramanikar						04
26	Prof. U. K. Jadhav	SY (A)	Soft Skill	02	-	-	04
		SY (B)	Soft Skill	02	-	-	



HEAD

Dept. of Civil Engg.





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Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

Teaching Plans



## Department of Civil Engineering

Course: Hydraulics-I

Course Code: BTCVC304

Academic Year: 2022-23

Subject Incharge: Prof. A. A. Sangave

Class: S.Y. B.Tech.

Div.: A Semester: III

### Teaching Plan and Execution Record

Lecture No.	Topics to be covered Lecture Outcome: (After completion of the lecture students will be able to)	Date of conduction	Remarks (Reason for delay if any)
<b>Module 1: Fluid Statics</b>			
1	Definition of fluids, fluid properties-density, specific weight, specific volume, specific gravity. Outcome: <b>Explain</b> various properties of fluids.	22/11/2022	Completed
2	Viscosity, compressibility, surface tension, capillarity, vapor pressure. Outcome: <b>Explain</b> various properties of fluids.	22/11/2022	Completed
3	Types of fluids - Newtonian and non-Newtonian fluid, continuum, fluid pressure. Outcome: <b>Understand</b> various types of fluids.	24/11/2022	Completed
4	Numerical. Outcome: <b>Solve</b> numerical on properties of fluids.	25/11/2022	Completed
5	Numerical. Outcome: <b>Solve</b> numerical on properties of fluids.	26/11/2022	Completed
6	Forces on fluid elements, fundamental equation. Outcome: <b>Explain</b> various forces on fluid elements	26/11/2022	Completed
7	Manometers, hydrostatic thrust on submerged surfaces. Outcome: <b>Understand</b> manometer & thrust on submerged bodies.	28/11/2022	Completed
8	Buoyancy, stability of unconstrained bodies, fluids in rigid body motion. Outcome: <b>Understand</b> buoyancy & stability of unconstrained bodies.	29/11/2022	Completed
9	Numerical. Outcome: <b>Solve</b> numerical on properties of fluids.	01/12/2022	Completed
10	Numerical. Outcome: <b>Solve</b> numerical on properties of fluids.	02/12/2022	Completed
11	Numerical. Outcome: <b>Solve</b> numerical on properties of fluids.	03/12/2022	Completed





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Lecture No.	Topics to be covered Lecture Outcome: (After completion of the lecture students will be able to)	Date of conduction	Remarks (Reason for delay if any)
<b>Module 2: Fluid Dynamics</b>			
12	Types of flow. Outcome: <b>Understand</b> various types of flow.	05/12/2022	Completed
13	Continuity equation, derivation. Outcome: <b>Understand &amp; Apply</b> continuity equation.	08/12/2022	Completed
14	Applications of momentum equation. Outcome: <b>Explain</b> applications of momentum equation.	09/12/2022	Completed
15	Numerical. Outcome: <b>Solve</b> numerical on continuity equation.	10/12/2022	Completed
16	Flow measuring devices. Outcome: <b>Explain</b> flow measuring devices.	12/12/2022	Completed
17	Euler's equation. Outcome: <b>Understand &amp; Apply</b> Euler's equation.	15/12/2022	Completed
18	Bernoulli's equation. Outcome: <b>Understand &amp; Apply</b> Bernoulli's equation.	19/12/2022	Completed
19	Velocity potential and stream function. Outcome: <b>Understand &amp; Explain</b> velocity & stream function.	21/12/2022	Completed
20	Concept of flow net. Outcome: <b>Understand &amp; Apply</b> concept of flow net.	22/12/2022	Completed
21	Numerical. Outcome: <b>Solve</b> numerical on Bernoulli's & Euler's equation.	23/12/2022	Completed
22	Numerical. Outcome: <b>Solve</b> numerical on Bernoulli's & Euler's equation.	24/12/2022	Completed
23	Numerical. Outcome: <b>Solve</b> numerical on Bernoulli's & Euler's equation.	26/12/2022	Completed



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Lecture No.	Topics to be covered Lecture Outcome: (After completion of the lecture students will be able to)	Date of conduction	Remarks (Reason for delay if any)
<b>Module 3: Laminar &amp; Turbulent Flow</b>			
24	Fully developed laminar flow between infinite parallel plates. Outcome: <b>Understand</b> fully developed laminar flow between infinite parallel plates.	27/12/2022	Completed
25	Both plates stationary. Outcome: <b>Understand</b> laminar flow when both plates are stationary.	28/12/2022	Completed
26	Upper plate moving with constant speed. Outcome: <b>Understand</b> laminar flow when upper plate moving with constant speed.	29/12/2022	Completed
27	Fully developed laminar flow in pipe. Outcome: <b>Understand</b> fully developed laminar flow in pipe.	30/12/2022	Completed
28	Numerical. Outcome: <b>Solve</b> problems on laminar flow.	02/01/2023	Completed
29	Turbulent flow; Shear stress distribution and turbulent velocity profiles in fully developed pipe flow. Outcome: <b>Understand &amp; Apply</b> Shear stress distribution & turbulent velocity profiles.	05/01/2023	Completed
30	Velocity distribution and shear stresses in turbulent flow. Outcome: <b>Understand</b> velocity distribution & shear stresses in turbulent flow.	06/01/2023	Completed
31	Prandtl mixing length theory, Nikuradse's experiment Outcome: <b>Understand</b> Prandtl mixing length theory & Nikuradse's experiment.	07/01/2023	Completed
32	Introduction to Boundary Layer Theory. Outcome: <b>Understand &amp; Explain</b> Boundary Layer Theory.	09/01/2023	Completed
33	Numerical. Outcome: <b>Solve</b> numerical on turbulent flow.	10/01/2023	Completed
34	Numerical. Outcome: <b>Solve</b> numerical on turbulent flow.	12/01/2023	Completed
35	Numerical. Outcome: <b>Solve</b> numerical on turbulent flow.	13/01/2023	Completed





## Department of Civil Engineering

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### Teaching Plan and Execution Record

Lecture No.	Topics to be covered Lecture Outcome: (After completion of the lecture students will be able to)	Date of conduction	Remarks (Reason for delay if any)
<b>Module 4: Dimensional Analysis &amp; Similitude</b>			
36	Nature of dimensional analysis. Outcome: <b>Understand &amp; apply</b> dimensional analysis.	14/01/2023	Completed
37	Rayleigh's Method. Outcome: <b>Apply</b> Rayleigh's Method.	16/01/2023	Completed
38	Numerical. Outcome: <b>Solve</b> numerical on Rayleigh's Method.	17/01/2023	Completed
39	Buckingham pi theorem. Outcome: <b>Apply</b> Buckingham pi theorem	19/01/2023	Completed
40	Numerical. Outcome: <b>Solve</b> numerical on Buckingham pi theorem.	20/01/2023	Completed
41	Dimensionless groups and their physical significance. Outcome: <b>Understand &amp; explain</b> dimensionless groups & their significance.	24/01/2023	Completed
42	Numerical. Outcome: <b>Solve</b> numerical on Dimensionless groups.	27/01/2023	Completed
43	Flow similarity and model studies, Scale Effects. Outcome: <b>Understand &amp; Explain</b> Flow similarity and model studies, Scale Effects.	28/01/2023	Completed
44	Numerical. Outcome: <b>Solve</b> numerical on similarity.	31/01/2023	Completed
45	Distorted and Undistorted Models. Outcome: <b>Understand &amp; Explain</b> Undistorted Models.	01/02/2023	Completed
46	Numerical. Outcome: <b>Solve</b> numerical on similarity.	02/02/2023	Completed





## Department of Civil Engineering

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Div.: A Semester: III

### Teaching Plan and Execution Record

Lecture No.	Topics to be covered Lecture Outcome: (After completion of the lecture students will be able to)	Date of conduction	Remarks (Reason for delay if any)
<b>Module 5: Flow Through Pipes</b>			
47	Loss of energy in pipes. Outcome: <b>Understand &amp; Explain</b> loss of energy in pipes.	03/02/2023	Completed
48	Pipe discharging from a reservoir, Pipe connecting two reservoirs in series and parallel. Outcome: <b>Understand &amp; Apply</b> pipe discharging from a reservoir & connecting two reservoirs in series & parallel.	03/02/2023	Completed
49	Numerical. Outcome: <b>Solve</b> numerical on connecting two reservoirs in series & parallel.	04/02/2023	Completed
50	Siphon, transmission of power through nozzle. Outcome: <b>Understand &amp; Apply</b> siphon, transmission of power through nozzle.	06/02/2023	Completed
51	Numerical. Outcome: <b>Solve</b> numerical on siphon, transmission of power through nozzle.	08/02/2023	Completed
52	Water hammer in pipes- rigid and elastic water column theory. Outcome: <b>Understand &amp; Explain</b> water hammer in pipes.	11/02/2023	Completed
53	Surge tanks - function, calculation of head loss. Outcome: <b>Understand &amp; Explain</b> surge tanks.	13/02/2023	Completed
54	Introduction to Moody's chart, nomograms and other pipe diagrams. Outcome: <b>Understand &amp; Apply</b> Moody's chart, nomograms and other pipe diagrams.	14/02/2023	Completed
55	Numerical. Outcome: <b>Solve</b> numerical on siphon, transmission of power through nozzle.	16/02/2023	Completed
56	Numerical. Outcome: <b>Solve</b> numerical on siphon, transmission of power through nozzle.	17/02/2023	Completed
57	Numerical. Outcome: <b>Solve</b> numerical on siphon, transmission of power through nozzle.	17/02/2023	Completed



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Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

Class Time-Table



## Nagesh Karajagi Orchid College of Engg.&amp; Tech., Solapur

Dept. of Civil Engg.

SY A (Civil) Offline Class Time Table for A.Y. 2022-23 (SEM-I) w.e.f 30/11/2022

Time/Day	Mon	Tue	Wed	Thu	Fri	Sat
10:00-11:00	HYD-I	MS	EM-III	SUR	MS	EM-III
11:00-12:00	EM-III	SUR	SS	MS	EM-III	HYD-I
12:00-12:45	Lunch Break					
12:45-1:45	MS	EM-III	BCD	BCD	BCD	BCD
1:45-2:45	SUR	SUR	SUR	HYD-I	SS	MS
2:45-3:00	Short Break					
3:00-4:00	SA-I SUR SA-II MS SA-III HYD-I	AutoCAD Software	SA-I HYD-I SA-II SUR SA-III MS	SA-I MS SA-II HYD-I SA-III SUR	HYD-I	AutoCAD Software
4:00-5:00					Proctor Session	

MS: Mechanics of Solids: Prof. S. M. Kale

HYD-I – Hydraulics-I: Prof. A. A. Sangave

SUR: Surveying: Prof. V. A. Salimath

BCD: Building Construction &amp; Drawing: Prof. P. A. Vadnal

EM-III: Engineering Mathematics- III: Prof. S. K. Joshi

SS: Soft Skill – Prof. U. K. Jadhav

Auto Cad Software – Prof. S. R. Kulkarni &amp; Mr. Vaseem Shaikh

*S.R.K.* on <sup>Wednesday</sup> ~~Monday~~ & Tuesday  
3 to 5 CT. Practicals

Class Co-ordinator: -: Prof. A. A. Sangave

*AA*  
Time Table I/C



*S*  
H.O.D.

*Principals*  
Principal



## NageshKarajagi Orchid College of Engg.&amp; Tech., Solapur

Dept. of Civil Engg.

Offline Time Table for A.Y. 2022-23 for TY (A) B.Tech. w.e.f. 05/09/2022

Time/Day	Mon	Tue	Wed	Thu	Fri	Sat
10:00-11:00	SM-II	DSS	PM	AEE/MTE	GT	AT
11:00-12:00	SST	PM	DSS	PM	AT	CT
12:00-12:45	Lunch Break					
12:45-1:45	DSS	GT	AEE/MTE	DSS	CT	SST
1:45-2:45	GT	AEE/MTE	SM-II	GT	AEE/MTE	PM
2:45-3:00	Short Break					
3:00-4:00	TA-I CT	TA-I SDD	TA-I GT	SM-II	SACE	SM-II
4:00-5:00	TA-II GT TA-III SDD	TA-II CT TA-III GT	TA-II SDD TA-III CT	CT		Proctor Session

Practical Batches TA-I 01 to 20 TA-II 21 to 40 TA-III 41 onwards

DSS: Design of Steel Structure: Prof. R. G. Maske

GT: Geotechnical Engg.: Dr. S. B. More

SM-II: Structural Mechanics-II: Prof. R. R. Badeghar

CT: Concrete Technology: Prof. S.R. Kulkarni

PM: Project Management: Dr. Y. K. Patki

Elective- I: AEE: Advanced Environmental Engg.: Dr. S.S.Jahagirdar

Elective- I: MTE: Material Testning &amp; Evaluation.: Prof. D. N. Rajgiri

SACE: Software Application in Civil Engg.- Prof. S. M. Kale

SDDSS: SSD of Steel Structures Lab. : Prof. A. Y. Kankuntla

SST: Soft Skill Trining : Prof. U. K. Jadhav

AT: Aptitude Training: Prof Ajit Ohol

Proctor Session: Respective Proctor Teacher

Class Co-ordinator: - Prof. R. R. Badeghar



Time Table I/C




H.O.D.



Principal

# Nagesh Karajagi Orchid College of Engg.& Tech., Solapur

## Dept. of Civil Engg.

### BTech A (Civil) Offline Class Time Table for A.Y. 2022-23 (SEM-I) w.e.f 05/09/2022

Time/Day	Mon	Tue	Wed	Thu	Fri	Sat
10:00-11:00	IE	WRE	PP	IE	LSDSS	APC/IEE
11:00-12:00	APC/IEE	DCS-II	WRE	LSDSS	IE	PP
12:00-12:45	Lunch Break					
12:45-1:45	DCS-II	LSDSS	BA-I PP BA-II SEM BA-III DDRCSS	PP	DCS-II	LSDSS
1:45-2:45	WRE	PP		APC/IEE	WRE	IE
2:45-3:00	Short Break					
3:00-4:00	BA-I DDRCSS BA-II PP BA-III SEM	BA-I SEM BA-II DDRCSS BA-III PP	Project Stage -I	DCS- II	Project Stage -I	Project Stage -I
4:00-5:00				Proctor Session		

**Practical Batches – BA-I 01 to 25, BA-II 26 to 50 & BA-III 51 onwards**

DCS - II: Design of Concrete Structures-II: Prof. D.S. Pawar

IE – Infrastructure Engg. : Prof. F. K. Maniyar

PP: Professional Practices: Prof. G. J. Kulkarni

WRE: Water Resource Engg. : Prof F. S. Kazi

Elective- IV -LSDSS: Limit State Design of Steel Structures: Prof. A. Y. Kankuntla

Elective- V - APC: Air Pollution Control: Dr. V. K. Patki

Elective- V - IEE: Introduction to Earthquake Engg. : Prof. A. S. Jamdar

DDRCSS: Design & Drawing of RC & Steel Structures : Prof. D. S. Pawar

Project Stage –I : Respective Guides

SEMINAR:= BA-I AAS, BA-II RAP, BA-III VAS

**Class Co-ordinator: -: Prof. D.S. Pawar**

Time Table I/C



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Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

Laboratory Manuals





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## DEGREE CIVIL ENGINEERING SEMESTER III

### Hydraulics-I Laboratory Manual

Name of Student	SHINDE ROHINI
Roll Number	54A-09
Exam Seat Number	





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**NAGESH KARAJAGI ORCHID COLLEGE OF  
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Solapur

Approved by AICTE, Affiliated to DBATU, NAAC Accredited Institute

**CERTIFICATE**

*This is to certify that*

*Mr./Ms. SHINDE ROHINI KASHINATH*

*Of S. E. Civil A Roll No. A-09 has satisfactorily completed  
the term work of subject Hydraulics - I as prescribed by DBATU,  
Lonere in the academic year 2022-2023.*

*Date of Submission: - 20/02/2023*

SUBJECT INCHARGE



H. O. D.



# NAGESH KARAJAGI ORCHID COLLEGE OF ENGINEERING & TECHNOLOGY, SOLAPUR

## CIVIL ENGINEERING DEPARTMENT

### INDEX

Sr. No.	Title	Page No.	Experiment Performed Date	Experiment Submitted Date	Marks	Sign
1	Measurement of Viscosity of various fluid	1	30/11/22	07/12/22	09	JH
2	Measurement of pressure piezometer, manometer, pressure gauges	4	07/12/22	14/12/22	09	JH
3	Determination of Metacentric Height of Ship Model	10	14/12/22	21/12/22	09	JH
4	Verification of Bernoulli's Theorem	14	21/12/22	28/12/22	09	JH
5	Calibration of Venturi meter	18	28/12/22	04/01/23	09	JH
6	Calibration of Orifice meter	22	04/01/23	11/01/23	09	JH
7	Determination of loss of head due to pipe fittings	26	11/01/23	18/01/23	09	JH
8	Study of factors affecting Coefficient of Friction for Pipe Flow	34	18/01/23	25/01/23	09	JH
9	Demonstration of working of different types of valves & pipe fittings	99	25/01/23	01/02/23	09	JH







### EXPERIMENT NO. 1

#### Measurement of Viscosity of various fluid

##### ❖ Aim

To study the viscosity of given oil at varying temperature.

##### ❖ Theory

Redwood viscometer is based on principle of laminar flow through capillary tube of standard dimension under falling head. The Viscometer consists of vertical cylinder with an orifice at the centre of base of inner cylinder. The cylinder is surrounded by water bath which can maintain temperature of liquid to be tested at required temperature. The water bath is heated by electric heater. The cylinder which is filled up with liquid whose viscosity is to be determined after which it is heated by water bath to desired temperature. Then orifice is opened and time required to pass 50 cc of liquid is noted. With this arrangement variation of viscosity with temperature can be studied. In case of Redwood viscometer kinematic viscosity and time required to pass 50 cc of liquid are co-related by expression,

$$n = C * t$$

Where,  $n$  (Nu) = Kinematic viscosity in stoke

$t$  = Time in seconds to collect 50 cc of oil.

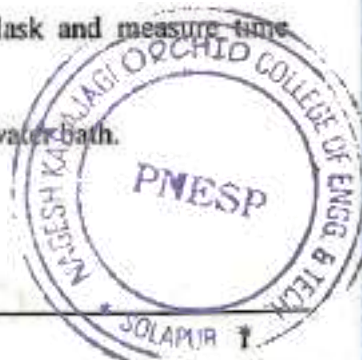
$C$  = Equipment Constant (To be found every time by using water)

##### ❖ Equipment

Redwood Viscometer, Measuring Flask, Thermometer & Stopwatch.

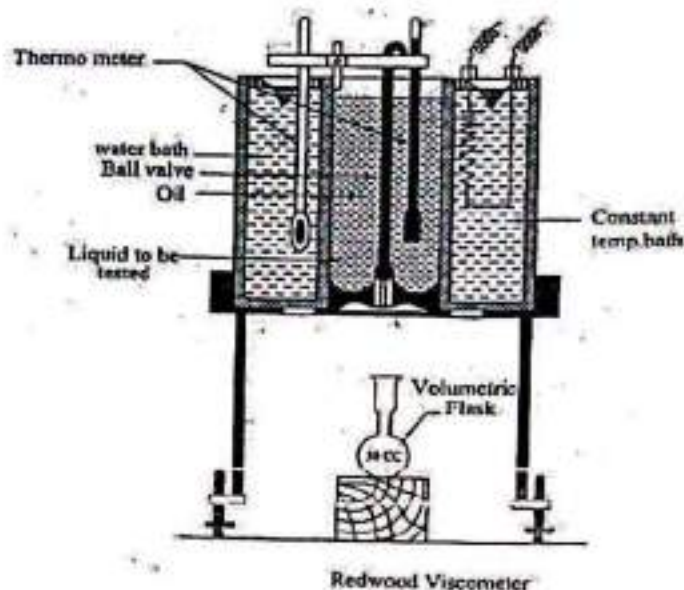
##### ❖ Procedure

1. Level instrument with help of circular bubble and levelling foot screws.
2. Fill water bath.
3. Close orifice with ball valve and fill the cylinder up to index mark.
4. Record steady temperature of oil.
5. By lifting ball valve, collect 50 cc of liquid in measuring flask and measure time required for collecting the liquid in measuring flask.
6. Repeat procedure for different temperatures by heating oil with water bath.





❖ Diagram



❖ Observation Table

Sr. No.	Temperature (°C)	Time to collect 50 cc of oil in time 't' (Sec.)	Kinematic viscosity 'n' (Stokes)
1	50°	320	0.10368
2	60°	188	0.060912
3	75°	97	0.031428

❖ Calculations

First, we have to find Equipment constant using water,

Let  $t = 25$  seconds and kinematic viscosity ( $n$ ) for water at NTP = 0.801

Therefore,

$$n = C * t$$

$$0.801 = C * 25$$

$$C = 0.0324 \text{ (Using water)}$$

Then, taking actual readings, for 50° C, calculate kinematic viscosity for given oil using above formula.

$$n_{(oil)} = C * \frac{t}{100} \text{ Stokes}$$

$$C = 0.0824$$







$$1) C \times \frac{t}{100}$$

$$0.0324 \times \frac{320}{100} = 0.10368 \text{ Stokes}$$

$$2) C \times \frac{t}{100}$$

$$0.0324 \times \frac{188}{100} = 0.060912 \text{ Stokes}$$

$$3) C \times \frac{t}{100}$$

$$0.0324 \times \frac{97}{100} = 0.031428$$



*Handwritten signature*

❖ **Result**

Kinematic viscosity of given oil at  $60^\circ\text{C}$  is  $0.060912$  Stokes.

❖ **Conclusion**

- 1) Kinematic viscosity decreases / increases with increase / decrease in temperature.
- 2) Rate of decrease / increase of kinematic viscosity increases / decreases with increase / decrease in temperature.





Pradnya Niketan Education Society, Pune's  
**N. K. ORCHID COLLEGE OF ENGINEERING  
& TECHNOLOGY, SOLAPUR**

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E-mail : office@orchidengg.ac.in, Website : www.orchidengg.ac.in, Phone No. 9423084363  
Post Box No. 154, Gut No. 16, Solapur-Tuljapur Road, Tale Hipparaga, Solapur- 413 002.

Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

Feedback



Pradnya Niketan Education Society's

# NAGESH KARAJAGI ORCHID COLLEGE OF ENGINEERING & TECHNOLOGY, SOLAPUR.



## Analysis of Service Quality for further improvements

Class: Civil S.Y. (A)

Year: 2022-23

Analysis recorded by 1) C.R.

2) \_\_\_\_\_



Date: 11/01/2023

Assisted By: \_\_\_\_\_



## (A) Class Room Services

Subject: EM III

Teacher: Prof. Joshi Sir

% Coverage of Syllabus: 25%

Teaching Quality: Excellent/Best/Good/Average/Below Average

Justifications: (4) Excellent (8)

positive point:-

- 1] develop the interest.
- 2] interaction Good.
- 3] clear's the doubt in every time.
- 4] helights points. Revises concepts.
- 5] shows systematic notes.

Suggestions

- 1] Course objectives not discuss (34)
- 2] Course outcome not discuss (34)

S. K. Joshi  
(S.K. Joshi)







## (A) Class Room Services

Subject: Hydraulics... I

Teacher: Prof. Sangre Sir

% Coverage of Syllabus: 40%

Teaching Quality: Excellent/Best/Good/Average/Below Average  
(5) (17) (25)

Justifications:

positive point

- 1] provides ppt & notes, assignment on time.
- 2] videos share for conceptual clarity.
- 3] online activities ppt.

Suggestion:-

- 1] Course outcomes & objectives not discussed.
- 2] fast teaching.
- 3] use of module teaching.
- 4] lecture outcomes not discuss.

practical ok.

No. suggestion







S-Y-A

Shaikh - 51	Kashaf gra Rahil Shaikh - 51
Shinde - 09	SHINDE ROHINI - 09
Mamankar - 06	MANTHALKAR VAISHNAVI - 06
Talbot - 08	SHAIKH TALBIYA - 08
Khadkare - 32	Khadkare Vaishnavi N. - 32
Qureshi - 46	Pawar vaishnavi - 46
Jadhav - 13	Jadhav Sukanya Sanjay - 13
Habib - 29	Tahogirdar Jabeen Rasid - 29
Shinde - 38	Narure Bhagyashri Shivaraya - 38
Murthy - 27	Kaushali Vishwanth Jankal - 27
Murthy - 30	Kanki Mayuri R. - 30
Sharma - 15	Angarkar shrawani Sachin - 15
Wadhwa - 20	Wimbale Chandrika Nimbale - 20
Mogadam - 14	Adam Maheshwan Chandrakant - 14
Araya - 57	Surampalli Shrawya S
Tyoti - 25	Gundu Tyoti S
A. Pathan - 42	Amina Riyaz Pathan
Shinde - 55	Shinde Priyanka Garoba
Rathod - 07	Onkar K. Rathod
Mane - 04	Onkar mane
Chavhan - 03	Jewargi. Ganuprasad Mangappa - 03
Arora - 60	Vhanmane Avinash Rajendra - 60
Sonawane - 56	Sonawane Onkar Santosh
Sahni - 16	Arenavani Salil Basavraj
Muskar - 50	Shaikh Asyarahmed Salim
Tarun - 19	Tarun. P. Boga.
Kudre - 34	Om S. Kudre.
Amat - 58	Sutar Amat Saudagar.





Rohan 37 Rohan Srinivas Mantri - 37  
~~...~~  
Wagh Junaid Sameer Phalari - 47  
 Ritesh Waghmare - 61

Mat Matarand Satish Otari - 40

Umeed Umeid Hasan A. Hamid Shaikh - 64

~~...~~  
Sayyed Sayyed Aksham Md Aslam - 63

Sanyal Sanyal Abubakar Mansur - 49

Siddharan Siddharan Birappa Dole - 22

P. Y. Jans Panchbhai Yamaan Afroz - 41

Zaid Shaikh Zaid Riyaz - 53

Madh Patwargar. Md. Ali Riyaz. - 48.

Anandkumar Bhosale Anandha Siddhar - 17

Piyush Piyush Sanjay Kore - 33

Uday Uday Nagesh Pavar - 45

... Joun srinivas Eswaldevi - 23

Sala Aditya Santosh Jadhav - 28

Potabatti Manjunath Tuljaram Potabatti - 48

... Ajinkya dasharath garkwad - 24

J. N. Jany Siddharth Nagesh Yemur - 62.

... Sidhanna Kaviadiyar - 31

Kallappa Kallappa Imode - 11

... Pansar Nareth R. - 44

Bhosale P.S Bhosale P.S - 18

... Kaif Shaikh - 21

... Alkama Shaikh - 52

... Akash Chavan - 01



... Supate Indrajit = 12





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Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

List of Project & Miniprojects



**Department of Civil Engineering**  
**Final Year Phase-II Project Details A.Y 2022-23**

Sl No	Project Guide	Group No	Roll No	Name of the Student	Title of the Project
1	Dr. V.K Patki	1	B-35	IRABATTI PRANAY SHEKHAR	Efficiency Analysis of STP
2			A-52	SATHE SUMER SHASHIKANT	
3			B-10	BANSODE PRARTHANA ANIL	
4			B-24	DIVATE VAISHNAVI VINOD	
5			B-28	GAJUL LOCHANA DINESH	
6			B-41	JIND SUHASINI CHANDRAKANT	
7	Dr. S.S Jahagirdar	2	B-33	HIPPARGIKAR MUDASSAR MAHIBUB	Agro - Biomass Briquettes A Comparative Study
8			B-31	GULED SWAPNIL ANAND	
9			B-74	PANDHARE DHANRAJ PRAKASH	
10			B-45	KALYANI SAMREEN AB MATEEN	
11			B-70	MALI SHRADDHA ASHOK	
12		3	B-46	KAMBLE NEHALI GOPINATH	
13			B-27	GAIKWAD TUSHAR SUNIL	
14			B-37	JADHAV RAHUL SUNIL	
15			B-39	JAWALKOTE AJAY APPASAHEB	
16			B-38	JADHAV VISHAKHA MOHAN	
17	4	A-56	SHAIKH MUQUEETUR RAHMAN MUJIBUR RAHMAN	Reuse of Granite Pieces in Concrete	
18		A-57	SHAIKH MUZAMMIL FAROQUE		
19		A-73	YALAL RUKHSAR AARIF		
20		A-27	NAVGHANE TANAYA SANJAY		
21		A-22	MANIYAR SUHAIL ILIYAS		
22			B-65	KUNDUR PRAGATI ANIL	



Sl No	Project Guide	Group No	Roll No	Name of the Student	Title of the Project
23	Dr. S.B More	5	A-12	GHADAGE TEJAS KRISHNAT	Bricks by using Road Dust
24			A-17	JAWALE VAIBHAV DATTATRAY	
25			A-13	GORE SHANTANU NITIN	
26			A-18	KOLI MAHESH GAJANAN	
27			A-23	MASHALE AKASH ASHOK	
28			A-30	PATIL MADHAV MUKUND	
29			Prof. S.R Nirantar	6	
30	A-21	MANE DHANANJAY JAYANAND			
31	A-41	RAJGURU SUSHANT SATISH			
32	B-22	DHANGAPURE RAMESH SIDDHARAM			
33	B-20	DEOSARKAR SHUBHAM PANDURANG			
34	A-77	ADSUL GANESH SHANKAR			
35	Prof. A.Y Kankuntla	7			A-75
36			A-32	PATIL VAISHNAVI SIDDHARAM	
37			A-62	SOMGONDE VEENA NINGAPPA	
38			B-11	BARANGLE NANDINI ROHIDAS	
39			A-65	SUTAR VIVEK ASHOK	
40			A-68	TOLE YASH PRADEEP	
41			8	A-43	RATHOD ROHIT VASANT
42	A-54	SHAIKH MD AYAN ALTAF			
43	A-61	SINNUR SIDDHARAM GANGAPPA			
44	A-59	SHAIKH ZAFAR FAZAL AHMED			
45	Prof. G.J Kulkarni	9	B-55	KHILARI SACHIN RUDRAPPA	Comparative Study on performance of grout material using pull out test
46			B-15	CHAKURE DATTA SHAHAJIRAO	
47			B-23	DHODAMANI SUMIT MARUTI	
48			B-29	GAVANDI SANJAYKUMAR BASAVARAJ	
49			B-06	ARWAT VISHAL NINGAPPA	
50			B-30	GHODAKE BHAGESH VITTHAL	





Sl No	Project Guide	Group No	Roll No	Name of the Student	Title of the Project
51	Prof. D.S Pawar	10	B-64	KULKARNI PRANAV VISHWESH	Flexural Behaviour of Steel I Beam With Externally Unbonded tendons
52			B-67	LAKSHETTI KUNAL SANJAY	
53			B-50	KARAPE GANESH SHRISHAIL	
54			A-60	SHETE SOHAN NITIN	
55			A-66	TALWAR ANAND DAREPPA	
56		11	A-07	DHOTRE SANJANA AJAY	Design of Residential Building using Excel Sheet
57			A-50	SARWADE POURNIMA KAILAS	
58			A-04	BHOSALE ABHISHEK SHAHAJI	
59			B-19	DAFEDAR HAFSA JAMEEL AHMAD	
60		Prof. S.M Kale	12	B-40	JILLA GAYATRI ANAND
61	B-44			KALBURGE MEGHARAJ MANOJ	
62	B-52			KHAIRATE KAVITA RAJENDRA	
63	B-73			MYANA POOJA SATYANARAYAN	
64	A-49			SARGAM SOUMYA SHANKAR	
65	Prof. R.G Maske	13	A-67	TAMBOLI SAJID DAUD	G+40 RCC Buildings Planning design & Estimation Mahim Mumbai
66			A-19	KORE LAXMI GRUPADAPPA	
67			A-42	RAPELLI VENU MOHAN	
68		A-06	DENGALE RUSHIKESH GANESH		
69		A-15	JAHAGIRDAR UNSA ZAKIR HUSSAIN		
70		14	B-66	KURLE ANJALI SANTOSH	
71	B-57		KONDA BHAVANA SHRINIVAS		
72	A-34		PAWAR AMOL REVAN		
73	A-70		UDACHAN SIDRAMAPPA RACHAPPA		
74	Prof. S.R Kulkarni	15	A-29	PATIL ANIKET DATTATRAY	Comparative Study of Cement Concrete and Fiber Reinforced Concrete
75			A-44	RATHOD ROSHAN SURESH	
76			A-51	SATHE SANKET SHEKHAR	
77			A-74	YEDUR VAISHNAVI VYANKATESH	
78			A-37	PAWAR SONU RUPSING	
79			A-09	DIWANE NIKHIL BHAGWAN	
80			A-16	JAKKAN RAMESH SATYANARAYAN	



Sl No	Project Guide	Group No	Roll No	Name of the Student	Title of the Project
81	Prof. D.N Rajgiri	16	B-49	KAPSE SANKET RAJSHEKHAR	Planning & Scheduling of Row House Project by MSP
82			A-72	VHATE ANUP SURYAKANT	
83			A-36	PAWAR SHIVANI SHAM	
84			A-24	MHETRE NARAYAN RAMKRUSHNA	
85	Prof. V.A Salimath	17	A-38	PEERZADE MOHD SHOAB RIYAZ AHMED	Stabilization of Black Cotton Soil by Using Stone Dust & Plastic Granules
86			A-47	SAGRI SHOAB SHAFI	
87			A-53	SAYYED MD ZIYAD SHOUKAT ALI	
88			A-55	SHAIKH MD KHALID HAJI FAROOQUE	
89			A-58	SHAIKH UBEDULLAH YUSUF	
90			B-51	KAZI MD JUHER AJAJ	
91	Prof F.K Maniyar	18	B-12	BARBADE SWARAJ KEDAR	Partial Replacement of Aggregate & Cement with Hypo Sludge, GGBS and Shredded Rubber
92			B-09	BANSODE NAGESH BHIMASHANKAR	
93			B-13	BHADANGE ADITYA JANARDAN	
94			A-48	SALUNKE PRAMOD VIJAY	
95			B-59	KORE SAGAR EKNATH	
96	Prof. F.S Kazi	19	B-01	ADAM BHAVANA VYANKATESH	Comparative Analysis TS & MGPS for Road Surveying (Internship)
97			B-16	CHANMAL SONALI AJAY	
98			B-76	SIDRAL LAVANYA GOVIND	
99			B-02	ADAM PAVANKUMAR SHRINIVAS	
100			A-40	PUTTA SHUBHAM VILAS	
101			A-02	BENDRE SHUBHAM VIJAYKUMAR	
102	Prof. F.S Kazi	20	A-46	RATHOD VAIBHAV VASANT	Rainfall Analysis of Solapur District
103			A-08	DHULAM SWAPNIL SHRIKANT	
104			A-05	BHOSALE SHIVAJI VIJAY	
105			A-10	DOIFODE REVATI SANJAY	
106	Prof. A.S Jamdar	21	B-04	ANKAM SHIVGANESH NAGNATH	Seismic Response of Multi Story Building With Flouting Column
107			B-69	MAILE AKASH SHRINIVAS	
108			B-61	KOTA OMPRAKASH RAMESH	
109			A-69	TRIVEDI VINOD RAMESH	






Sl No	Project Guide	Group No	Roll No	Name of the Student	Title of the Project
110	Prof. P.A. Vadnal	22	B-18	CHOUGULE PRATHAMESH SUBHASH	Self-Compacting Concrete
111			B-21	DEVKAR MARUTI MAHADEO	
112			B-71	MUDAGI BABU DEVENDRA	
113			B-68	MADGUNAKI SRINATH SURESH	
114			B-32	HIPPARGE ABDULMUKSHIT ABDULWAFI	
115			B-14	BIRAJDAR ANKIT BASAVARAJ	
116			Prof. R.A. Patil	23	
117	B-08	BAKLE NAGESH RAJENDRA			Internship Report On Execution Of Residential Building Construction
118	B-47	KAMBLE RUTUJA RAJU			Execution Of Substructure And Superstructure Work Of Residential Building
119	B-75	SATHE RUTUJA ARVIND			Internship Report On Construction Of Allied Structures On Both Side Of Nh4
120	B-42	KADAM NEHA SANJAY			Internship Report on assistant design engineer for G+4 residential building
121	B-63	KSHIRSAGAR SANGRAM VIJAYSINH			
122	24	B-17			CHAVAN ABHISHEK GOPI
123		B-25		GADDAM RAVIRAJ PRABHAKAR	
124		B-34		IMADE VAIBHAV BHARAT	
125		B-48		KANAKI ASHISH PARSHURAM	
126		A-31		PATIL RAJKUMAR MALLINATH	
127		A-39	PINGALE NISHANT HEMANT		





128	Prof. A. A. Sangave	25	A-28	NIMBALKAR BASAVARAJ SURESH	Hydrological Analysis of Bhima River
129			A-33	PAWAR ABHIJIT SHANKAR	
130			A-35	PAWAR HRISHIKESH NAGNATH	
131			A-45	RATHOD SAMARTH PREMRAJ	
132			A-63	SONAWANE ABHYUDAY UMESH	
133			A-71	UDANSHIV SAURABH BALASAHEB	
134		26	B-36	JADHAV AISHWARYA ANIL	Amphibious Housing Scheme Comparative Study
135			B-53	KHANDARE SANJYOTH DYNESH	
136			B-58	KORE AISHWARYA SHIVANAND	
137			A-25	NALAWADE APURV ANNASAHEB	
138			B-26	GAIKWAD ROHAN VILAS	
139			B-62	KSHIRSAGAR ADITYA AJAY	
140		Prof. A.P. Pataskar	27	A-26	NAVALE AISHWARYA VIKRAM
141	A-03			BHINGARE MAHESHWARI ANIL	
142	A-76			BABAR SUJATA DILIP	
143	A-11			GAVATE KOMAL VISHNU	
144	Prof. S.K. Joshi	28	B-07	AUSEKAR AKBARALI TAHERALI	An experimental investigation on the compressive Strength of concrete with different Percentage of silk Content
145			B-56	KOLI SHUBHAM SADASHIV	
146			B-60	KORE VIJAY KHAJAPPA	
147			A-64	SONAWANE PRATIK PARMESHWAR	
148			B-54	KHEDGIKAR VIKAS VISHWANATH	
149			B-72	MUJAWAR PEERAHMED APPALAL	
150	Prof. R.R. Badeghar	29	A-01	BABUDE SUFIYAN MUSA	Junior Surveyor Monareh Surveyors & Engg. Consultant Pune
151			A-14	GOSAVI AKSHAY NANDKUMAR	
152			A-20	LANGAR MAHESH PRABHAKAR	

  
Project Coordinator  
Prof. F.K Maniyar



  
Head  
Dept. of Civil Engg.



Pradnya Niketan Education Society, Pune

NAGESH KARAJAGI ORCHID COLLEGE OF ENGINEERING & TECHNOLOGY, SOLAPUR

DEPARTMENT OF CIVIL ENGINEERING

## Final year Project Work Diary

Academic Year: 2022-23

Project Title: Utilization of Industrial Waste In  
Partial Replacement Of Cement And Sand  
Towards Sustainable Rigid Pavement

Project Group No: 18

Project Group Members:

Sr. No.	Name	Roll No & Div	Exam Seat No.
1	BARBADE SWARAJ KEDAR	B-12	
2	BANSODE NAGESH BHIMASHANKAR	B-09	
3	BHADANGE ADITYA JANARDAN	B-13	
4	SALUNKE PRAMOD VIJAY	A-48	
5	KORE SAGAR EKNATH	B-59	

Project Guide:- Prof F.K Maniyar





## Project Progress Sheet

### Semester - I

Activity week: July Week 1 From 4/7/22 to 9/7/22

Activity according to schedule:

1. Formation of project group
2. Finalization of project idea

Work done:

1. Formation of project group and choice of project mentor for our project.
2. Finalization of project topic with discussion among group members and mentor.

Date:

  
Guide  
Prof F.K Maniyar

  
Project Coordinator

  
HOD

Activity week: July Week 2 From 11/7/22 to 16/7/22

Activity according to schedule :

1. Submission of **abstract**
2. Finalization of **project title** & sponsorship (if any)

Work done:

1. Searching and collection of project related research papers.
2. Studying on collected research papers.
3. Finalizing the project title.

Date:

  
Guide  
Prof F.K Maniyar

  
Project Coordinator

  
HOD



Activity week: July Week 3 From 18/7/22 to 23/7/22


Activity according to schedule:

1. Literature review
2. Study of existing systems.

Work done:

1. Collected the different literature review papers related to our topic.
2. Studied the results and methodology of our project, which were carried before

Date:



Project Coordinator



Prof. F.K. Maniyar



HOD

Activity week: July Week 4 From 25/7/22 to 30/7/22

Activity according to schedule :

1. Literature review
2. Finalizing objectives of project

Work done:

1. Discussed the various problem statement which can be solved, and overcome by project work and fulfill the requirements of society.

Date:



Project Coordinator



Prof. E.K. Maniyar



HOD

Activity week: August Week 1 From 1/8/22 to 6/8/22

Activity according to schedule:

1. Finalizing Outline of project (Experimental Methodology)
2. Model/Mix Design
3. Theoretical Formulation

Work done:

1. Making brief Methodology of our project.
2. Simultaneously carrying out mix design of material in excel sheet.

Date:

  
Prof. F.K. Maniyar

  
Project Coordinator

  
HOD

Activity week: August Week 2 From 8/8/22 to 13/8/22

Activity according to schedule :

1. Design of Model/Mix Design /Sample collection
2. Procurement of material for experimental work.
3. Theoretical Formulation

Work done:

1. By Mix Design proportion evaluating the quantity of different material.
2. Checking in market about the availability of material.

Date:

  
Prof. F.K. Maniyar

  
Project Coordinator



  
HOD



Department of Mechanical Engineering			
Third Year Mini Project Details A.Y 2022-23			
Sl No	Project Guide	Group No	Name of the Student
1	Dr. S.B More	1	TYA-08 GANGAVE AKASH MAHESH
2			TYA-17 KUMBHAR PALLAV SHARINAPPA
3			TYA-25 PAWAR PRASAD SUNIL
4			TYA-35 SARVADE AKASH SANJEEVKUMAR
5			TYA-51 UKANDE YUVARADNYE SUNIL
6	Dr. V.K Patki	2	TYB-23 CORASE NEHA CHANDRAKANT
7			TYB-27 HARWALKAR PRATIKSHA SURESH
8			TYB-30 INGALE ANKITA SHRIKANT
9			TYB-38 KAMBLE SANDHYA PRABHAKAR
10			TYB-47 LAKADE GAYATRI RAMCHANDRA
11	Dr. S.S Jahagirilar	3	TYA-41 SHINDE KARTIK ANIL
12			TYA-10 GHODAKE SHREYAS MARGU
13			TYA-61 ZINGONI VAIBHAV RAMI
14			TYA-56 YANKALE SURAJ VILVAM
15			TYA-60 ZINGONI NIKHIL SHANKAR
16	Prof.S.R Nirantar	4	TYA-24 PATRE SAMIKSHA VIJAS
17			TYA-53 VANGARI HEMANT BALAJI
18			TYA-37 SHAIKH MOHAMMED LAQUEE AJAJ AHMED
19			TYA-44 SHINDE SUMIT SUHAS
20			TYA-54 VIJAPURE NIKHIL ASHOK
21	Prof.A.Y Kankuntla	5	TYB-54 NIMBALKAR ROHIT RAJU
22			TYB-11 CHAVAN SURAJ VALU
23			TYB-17 DARANCE GAUTAM SHAM
24			TYA-11 INAMDAR RAKESH ANANDA RAUF
25			TYA-43 SHINDE SANCHI BALU
26	Prof.G.J. Kulkarni	6	TYA-03 BHOSALE VAIBHAV MANJAN
27			TYA-05 DHUMMA ADITYA BABURAO
28			TYA-12 JADHAV YASH GURUNATH
29			TYA-30 PISE SHRAVANI NAGESH
30			TYA-57 YEDUR PRADNYA VIKRANT
31	Prof. S.M Kale	7	TYB-01 ABHANGRAO PARTH SUNIL DATTA
32			TYB-41 KHUNJE ABHIJEET MAHESH
33			TYB-55 PADMA GOVINDRAJ MAHENDRA
34			TYB-56 PADMA RUSHIKESH MAHENDRA
35			TYB-60 PATIL MAHADEO GANCAIJI HAR
36	Prof. D.S Pawar	8	TYA-19 MULAGE VISHAL SURYAKANT
37			TYA-26 PAWAR PRAVIN PRABHAKAR
38			TYA-27 PAWAR SOURAV ANKUSH
39			TYA-36 SAYYAD SHOAB HARUNALI
40			TYA-38 SHAIKH RAJAK GULAB
41	Prof. D.S Pawar	9	TYB-12 CHIVADSHETTI AMAR SANJAY
42			TYB-13 CHIVADSHETTI PRUTHVIRAJ SHRISHAIL
43			TYB-37 KAMBLE KIRANRAJ SHATRUGHAN
44			TYB-48 MANE RAHUL RAMESH
45			TYB-51 METRE RAKESH VITODAL
46	Prof. D.S Pawar	10	TYA-52 USTAD RAYYAN JEELANI
47			TYA-25 PATIL SUNIL SAHEBCHANDRA
48			TYA-47 SHRIRAM AMOL JANRUPHAN
49			TYA-39 SHAIKH SHOAB MUJAWED
50			TYA-21 NIMBAL PRATHAMESH SHIVANAND
51	Prof. D.S Pawar	11	TYB-31 INGALE SOURAV SANJEEVKUMAR
52			TYB-24 GULED SANKET ANAND
53			TYB-29 HOLKAR OMKAR BALAJI
54			TYB-35 KADAM POOJA SANDIP
55			TYB-36 KADAM SAKSHI ASHOK





Sl No	Project Guide	Group No	Name of the Student
56	Prof.R.G. Masote	12	TYA-15 KAMBLE RUTUJA MADHUKAR
57			TYA-29 PHALPHALE SHWETA SIDDHESHWAR
58			TYA-45 SHINGADE SAKSHI YASHPAL
59			TYA-46 SHIVASHARAN RAVIKANT A APPASAHEB
60			TYB-07 BHANDEKAR AVINASH VINAYAK
61		13	TYA-33 REURE SHIVANAND PRAKASH
62			TYA-59 ZENDAGE SHUBHANGI BALKRISHNA
63			TYB-06 BANUR PRAVINKUMAR VIJAY
64			TYB-14 CHOUDHARI ROHIT DHULCHAND
65			TYB-49 MANE SOURBH SHAHAJI
66	Prof.S.R.Kulkarni	14	TYA-14 KALE PRANAV RAMESH
67			TYA-31 RAPELLI SHUBHAM PRABHAKAR
68			TYA-34 SAMLETI PRASHANT JAGANNATH
69			TYA-42 SHINDE ROHIT SUBHASHI
70			TYA-50 TYARALA AASHISH GIRISH
71			TYA-58 YELDI SHIVA BALAJI
72	Prof.D.N.Rajgiri	15	TYB-05 AYAL GAUTAM SURESH
73			TYB-08 BODDU PRATIK PENTESH
74			TYB-21 GAJUL VYANKATESH SUDARSHAN
75			TYB-26 GURKAM NITIN DASHRATH
76			TYB-38 PASKANTI ROHIT NAGESH
77	Prof.V.A.Solimath	16	TYB-42 KOLI TEJAS YALLAPPA
78			TYB-44 KORBU SHAHID SHAKIL AHMED
79			TYB-45 KOGGIKAR MAAQUB MUKHALID
80			TYB-46 KOTKUNDE SULEMAN RIYAZ AHMED
81			TYA-20 NANDIMATH SANKET DHPAK
82	Prof.F.K.Maniyar	17	TYB-15 CHOUGULE SHREYA SUNIL
83			TYB-28 HEMAN SHWETA HANMANIJI
84			TYB-32 JADHAV PARIS AJINKYA
85			TYB-50 MANE VIDYA TANAJI
86			TYB-57 PANDIT RAJAMANYA ANUSHA
87	Prof.F.S.Kazi	18	TYB-09 CHAVAN AJINKYA UMESH
88			TYB-18 DAULTABAD FOUZAY MOHAMMED IRFAN
89			TYA-09 GHAGARE SUSHANT MAHESH
90			TYB-40 KAZI ZAMBER FARID
91	Prof.A.S.Jamdar	19	TYA-02 BHAWAL ANIRUDDH BALASAHEB
92			TYA-22 PATIL SAMRUDDHI MADHAVRAO
93			TYA-28 PENDPALLE RAHUL VINOD
94			TYA-49 TAMBOLI ROJANA SALINI
95	Prof.A.A.Surgave	20	TYB-52 NADAF AAYAN SARFRAZ
96			TYB-53 NADAF ABDUL JABBAR AHMAD
97			TYB-33 JAMKHANDI MD FARHAN MD JAWEED
98			TYB-59 PATEL MAVIYA ABDUL HAMID
99	Prof.P.A.Vadnal	21	TYA-01 ANKAM DIVYASRI SATISHKUMAR
100			TYA-48 SHRIRAM SHRUTIKA BALAJI
101			TYA-55 YANCANTI ARCHANA ANAND
102			TYB-02 AREN SHRUTIKA SHRINIWAS
103			TYB-20 GAJENGI RAJLAXMI LAXMAN
104	Prof.R.A.Patil	22	TYB-04 ATANURE MAHESH RAJSEKHAR
105			TYB-10 CHAVAN RAJANIKANT TUKARAM
106			TYB-19 DEVKATE SUHAS KUNDEK
107			TYB-22 GHATULE RADESHAM RAJKUMAR
108			TYB-43 KORALE ABHISHEK SHANKAR
109	Prof.Ramesh Bodeghar	23	TYA-04 BOMANE ONKAR GOPAL
110			TYA-06 CLADEKAR YASH SACHINRAO
111			TYA-16 KARAJI PRANAV SANJIV
112			TYA-32 RATHOD AKASH SHESHRAO
113	Prof.Sunil Joshi	24	TYA-07 GAIKWAD SHRIDHAR PRAMOD
114			TYA-13 JAYALKOTE VINOD NAGNATH
115			TYA-18 MANE YASHIRAJ SACHIN
116			TYA-40 SHETE ATHARV NILKANTH
117	Prof.Ashutosh Pataskar	25	TYB-03 ALAWAL RAJ YALLAPPA
118			TYB-16 DAKKA ANAND SHRIKISHNA
119			TYB-25 GUNJE RESHIKESH VIJAY
120			TYB-34 JINDE AAYUSH UMANKANT
121			TYB-39 KANKUNTLA ROHAN RAJU

Prof. F.K.Maniyar  
Project Coordinator



Dr. B. More  
Head  
Dept. of Civil Engg.



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**N. K. ORCHID COLLEGE OF ENGINEERING  
& TECHNOLOGY, SOLAPUR**

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Nagesh Karajagi ORCHID College of Engineering &  
Technology, Solapur

Civil Engineering Department

Academic Year: 2022-23

Audit Report



**ACADEMIC MONITORING AY 2022-23 SEM-I**

**Compliance report of SEM-III/VI/VII**

Sr.No	Compliance	Name of faculty/Name of course													
		CE		JE		SBM		AST		VFP		RRB		SPK	
		ATK	AK	SKJ	SKJ	SBM	SBM	AST	PAV	VFP	VKP	RRB	RRB	SPK	SPK
LEDSS	LEDSS	M3	M3	GT(A)	GT(B)	IEE	PM	PM	APL	SM2	SM2	CT	ST		
1	Teaching plan (collect hard copy)	X	X			✓	✓								
2	Practical plan (collect hard copy & see sample journal)	NA	NA			✓	✓	NA	NA	NA	NA	NA	NA	X	
5	No of lectures conducted/total allotted	65/45	65/45	60	60	54/60	55/60	35/45	53/45	62/45	32/45	65/45	65/45	51/30	
6	No. of units covered/ total units	6/6	6/6			5/5	5/5	6/6	5/5	5/5	6/6	6/6	6/6	5/5	
7	No of assignments assessed					10	10	8	5	Removal of class				4/6	
8	No of practical conducted	NA	NA			10/10	10/10	NA	NA	NA	NA	NA	NA	5	
9	No of experiments assessed	NA	NA			10	10	NA	NA	NA	NA	NA	NA	5	
3	OBE of course	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	
4	Exit survey of course	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	
12	Measures taken for slow learners	Assignment				Assignment				Removal of class	Assignment		Assignment		
10	Industrial visit arranged if any	X	X			X	X	X	X	X	X	X	X	X	
11	Expert lecture arranged if any	X	X			X	X	X	X	X	X	X	X	X	

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18-19



### ACADEMIC MONITORING AY 2022-23 SEM-I

#### Compliance report of SEM-III/VI/VII

Sr.No	Compliance	Name of faculty/Name of course													
		FGM	FGM	FGM	FKM	GJK	GJK	DGP	DSP	SSJ	DNR	DNR	ESK	ESK	
		DSS	DSS	IE	IE	PP	PP	DCS	DCS	EE	MTE	MTE	WFE	WFE	
1	Teaching plan (collect hard copy)	.													
2	Practical plan (collect hard copy & see sample journal)	NA	NA	NA	NA	X	X			NA					
5	No of lectures conducted/total allotted	$\frac{65}{60}$	$\frac{65}{60}$	$\frac{50}{45}$	$\frac{50}{45}$	$\frac{59}{45}$	$\frac{59}{45}$			$\frac{42}{45}$					
6	No. of units covered/ total units	$\frac{5}{5}$	$\frac{5}{5}$	$\frac{6}{6}$	$\frac{6}{6}$	$\frac{6}{6}$	$\frac{6}{6}$			$\frac{5}{5}$					
7	No of assignments assessed	9	9	8	8	10	10			$\frac{5}{5}$					
8	No of practical conducted	NA	NA	NA	NA	10	10			NA					
9	No of experiments assessed	NA	NA	NA	NA	10	10			NA					
3	OBE of course	✓	✓	✓	✓	✓	✓			✓					
4	Exit survey of course	✓	✓	✓	✓	✓	✓			✓					
12	Measures taken for slow learners	Assignment		Retest		Practical work				Assign					
10	Industrial visit arranged if any	X	X	✓	✓	X	X			✓					
11	Expert lecture arranged if any	X	X	X	X	X	X			X					

