



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

CRITERION 2 – Teaching-Learning Evaluation

Key Indicator – 2.3 Teaching and Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences -

In order to enhance learning experience of students, following measures is taken into consideration:

1. Experiential learning:

The institution imparts the following experiential learning practices to enhance creativity and cognitive levels of the students –Laboratory Sessions are conducted to perform different experiments and analyze results of the experiment in a better way. Summer Internship -Students get hands on training while working in the company. Industrial Visits to engage them in experiential learning while visiting the organization. MOU'S with different companies give experimental knowledge to students on recent technologies.

2. Participative Learning

Students are encouraged to take participation in various workshops, Webinars, Seminars & Guest Lecture etc. Institute supports faculties to organize project competitions, technical workshop, Quiz so that students can participate in such activities.

Students participate in group discussion, debate and seminars organized in college.

3. Problem Solving Methodologies

Departments encourage students to acquire and develop problem-solving skills. For this, along with traditional classroom teaching and laboratory learning; project-based learning has been introduced with an objective to motivate students to learn by working in groups cooperatively to solve a problem. In order to promote problem solving methodology among students, students are encouraged to take up live/industry sponsored projects.

The group of 4-6 students is formed and assigned to a faculty mentor to plan, manage and complete a task/project/activity which addresses the stated problem.

Sr. No	Sample Documentary Evidences
01	EXPERIENTIAL LEARNING
	1.1 Continuous Evaluation of Students for Lab-Sample
	1.2 Industrial Visits or Site Visits
	1.3 Internship of Students in Companies
	1.4 MOU with Institute/ Industries
02	PARTICIPATIVE LEARNING
	2.1 Student Participation in Competitions like Project and Paper Presentation.
	2.2 Workshops for Encouraging Students
	2.3 Group Discussions to Promote Communication Skills
	2.4 Seminar/Webinar/Guest Lecture to Build Students Confidence
03	PROBLEM SOLVING LEARNING
	3.1 Industry Sponsored Projects
	3.2 Model Making by Student
	3.3 PBL/Mini Projects

Link To the Activity Report On the Website -<https://www.rajgad.edu.in/AQAR22-23/Cr2/2.3.1pdf>



Principal
Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engg.
Dhangewadi, Pune-412206

Prof. Dr. S. B.Patil



RajgadDnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India.

Website: www.rajgad.edu.in, Email Id: scscoe@gmail.com

Criterion 2: Teaching Learning & Evaluation

2.3 Teaching and Learning Process-

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

Sr. No	Sample Documentary Evidences
01	EXPERIENTIAL LEARNING
	1.1 Continuous Evaluation of Students for Lab-Sample
	1.2 Industrial Visits or Site Visits
	1.3 Internship of Students in Companies
	1.4 MOU with Institute/ Industries
02	PARTICIPATIVE LEARNING
	2.1 Student Participation in Competitions like Project and Paper Presentation.
	2.2 Workshops for Encouraging Students
	2.3 Group Discussions to Promote Communication Skills
	2.4 Seminar/Webinar/Guest Lecture to Build Students Confidence
2.5 Technical Quiz Learning	
03	PROBLEM SOLVING LEARNING
	3.1 Industry Sponsored Projects
	3.2 Model Making by Student
3.3 PBL/Mini Projects	



Principal
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Shri Chhatrapati Shivajiraje College of Engg.
Dhangawadi, Pune-412206

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Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune.
 PROGRESSIVE PRACTICAL INTERNAL CONTINUOUS ASSESSMENT RECORD SHEET

Department : **Mechanical** Class : **AE** Batch : **B1** Subject :- **CTM** Sem : **I/II** Academic Year : **2022-2023**

Roll No.	Name of Student	CNC Turning						CNC Milling						Bill of material						CAPP						OPTIZ method						modeling/simulation						VFC vision						Total out of	Signature of Student									
		1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6			1	2	3	4	5	6	1	2	3
BM20D001	Aligude Swapnil D.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	P	P	3	2	7	P	P	3	2	7	P	P	3	2	7	56	Swapnil
BM20D002	Awade Shrikant S.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	P	P	3	2	7	P	P	3	2	7	49	Shrikant					
BM20D003	Babbar Ajinkya S.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	P	P	3	2	7	56	Babbar										
BM20D004	Bendre Abhishek S.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	P	P	3	2	7	35	Bendre										
BM20D005	Bhargava Sandeep N.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	P	P	3	2	7	44	Bhargava										
BM20D006	Bhivare Karthik P.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	56	Bhivare															
BM20D007	Bhasale Akanksha N.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	44	Bhasale															
BM20D008	Bhasale Nilam S.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	49	Bhasale															
BM20D009	Bhasale Shambhaji D.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	56	Bhasale															
BM20D010	Bhasale Yash S.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	34	Bhasale															
BM20D011	Birabkar Akash D.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	40	Birabkar															
BM20D012	Birabkar Aniket S.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	24	Birabkar															
BM20D013	Bobade Anshul A.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	41	Bobade															
BM20D014	Borkar Pravin D.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	43	Borkar															
BM20D015	Chavan Dnyanraj P.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	32	Chavan															
BM20D016	Chavan Omkar B.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	41	Chavan															
BM20D017	Chavan sagar R.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	39	Chavan															
BM20D018	Chaugule pavan D.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	49	Chaugule															
BM20D019	Dabholkar Akhavan P.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	46	Dabholkar															
BM20D020	Devkar Keval Y.	P	P	3	3	2	07	P	P	3	2	8	P	3	3	2	8	P	P	3	2	7	P	3	3	2	7	P	P	3	2	7	P	P	3	2	7	46	Devkar															

Name & Sign of Subject Incharge
Prof. Dr. B. Banker

(P/A) : Present / Absent DC : Date of Completion MR : Marks for regularity (03) MP : Marks for regularity (03) MU : Marks for Understanding (3)



Head of Department
 Dept. of Mechanical Engineering
 Shri Chhatrapati Shivajiraje College of Engineering
 Dhangwadi, Pune-412206

B

Rajgad Dnyanpeeth's
Shri Chhatrapati Shivaji Raj College of Engineering, Dhangwadi, Pune.

PROGRESSIVE PRACTICAL INTERNAL CONTINUOUS ASSESSMENT RECORD SHEET

Academic Year : 2022-2023

Department : Mechanical

Class : AE

Batch : 61

Subject :- CIM

Sem : 1/11

Roll No.	Name of Student	CNC Turning						CNC Milling						Bill of material						CAPP						ORTZ method						modeling/simulation						VRF Vision based quality						Signature of Student									
		1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6		1	2	3	4	5	6	1	2	3
BME20D021	Dhulekar Suresh S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	49	Dhulekar		
BME20D022	Dhaigude Sagar R.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	44	Dhaigude		
BME20D023	Dharme Shrinivas B.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	56	Dharme								
BME20D024	Dharmawade Sankar B.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	63	Dharmawade								
BME20D025	Sande Somanath A.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	35	Sande								
BME20D026	Santhakumar Saurabh A.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	46	Santhakumar								
BME20D027	Shahade Akshay S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	63	Shahade								
BME20D028	Shahar Chirag B.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	46	Shahar								
BME20D029	Harshkar Kiran D.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	51	Harshkar								
BME20D030	Togalkar Rushikesh P.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	44	Togalkar								
BME20F031	Tadhav Aniket S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	49	Tadhav								
BME20D032	Tadhav Kiran R.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	49	Tadhav								
BME20F033	Tadhav Kishor H.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	44	Tadhav								
BME20D034	Tadhav Raviraj S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	51	Tadhav								
BME20D035	Togtap Shubham A.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	35	Togtap								
BME20D036	Togtap Suraj Y.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	49	Togtap								
BME20D037	Kadam Rohit S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	49	Kadam								
BME20D038	Kadam Kishor V.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	49	Kadam								
BME20D039	Kadam Vaishnavi P.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	49	Kadam								
BME20D040	Kale Abhijit B.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	49	Kale								

Name & Sign of Subject Incharge
Prof. M. B. Pawar

(P/A) : Present / Absent

DC : Date of Completion

MIR : Marks for regularity (03)

MP : Marks for

MU : Marks for Understanding (3)

Head of Department
 Dept. of Mechanical Engineering
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[Signature]
 Head of Department

Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune.

PROGRESSIVE PRACTICAL INTERNAL CONTINUOUS ASSESSMENT RECORD SHEET

Department : Mechanical Class : BE Batch : B1 Subject :- CIM Sem : 1/11 Academic Year : 2022-2023

Roll No.	Name of Student	CNC TURNING						CNC MILLING						BILL OF MATERIAL						CAP						ORTZ method						modeling simulation						off-line programming based quality.						Signature of Student															
		1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6		1	2	3	4	5	6	1	2	3	4	5	6	1	2	3
BM1200083	Suryawanshi Shubham	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	49	GC		
BM1200084	Sutar Aniket. V.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	53	Yash		
BM1200085	Ujhale Prasad. P.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	63	Yash								
BM1200086	Khadkar Jagdish. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	58	Yash								
BM1200088	Khadgmatre Sanjay. S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	58	Yash								
BM1200089	Maheskar Mayur. N.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	51	Yash														
BM1200090	Yadav Karan. S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	49	Yash														
BM1200091	Wankar Shaikant. R.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	49	Yash														

Name & Sign of Subject Incharge
Prof. M. S. Banker



Head of Department
Prof. M. S. Banker

(P/A) : Present / Absent DC : Date of Completion MR : Marks for regularity (03) MP : Marks for Performance (4) MU : Marks for Understanding (3)

Dept. of Mechanical Engineering
 Shri Chh. Shivajiraje College of Engineering
 Dhangawadi, Pune-412206

Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune.

PROGRESSIVE PRACTICAL INTERNAL CONTINUOUS ASSESSMENT RECORD SHEET

Department : **Mechanical**

Class : **TF**

Batch : **T3**

Subject :- **DME**

Sem : **1/1st**

Academic Year : **2022-2023**

Roll No.	Name of Student	Cutter Joint						Bush Din Coupling						Bottle Type Tack						Signature of Student	
		1 (P/A)	2 (DC)	3 (MR)	4 (MP)	5 (MU)	6 (TM)	1	2	3	4	5	6	1	2	3	4	5	6		
D0441	Bal Tejgaon A.	P		3	3	2	8	P		3	3	2	8	P		3	2	1	6	022	
D0442	Pujari Bhashi H.	P		3	3	2	8	P		2	1	1	4	P		2	1	1	4	16	
D0443	Rajigore Swapnil D.	P		3	2	1	6	P		2	1	1	4	P		2	1	1	4	14	
D0444	Ranavare Ashish A.	P		3	1	1	5	P		3	1	1	5	P		3	1	1	5	15	
D0445	Raut Vishal V.	P		3	3	2	8	P		3	1	1	5	P		3	1	1	5	18	
D0446	Salunkhe Tanmay R.	P		3	1	1	5	P		3	1	1	5	P		2	1	1	4	14	
D0447	Gangole Omkar D.	P		3	1	1	5	P		3	1	1	5	P		2	1	1	4	14	
D0448	Saacant Dinesh B.	P		3	1	1	5	P		3	1	1	5	P		2	1	1	4	14	
D0449	Shinde Purshottam M.	P		0	0	0	0	P		0	0	0	0	P		0	0	0	0	0	
D0450	Shinde Shreyash A.	P		3	1	1	5	P		3	1	1	5	P		3	1	1	5	15	
D0451	Sonkamble Nitinji P.	P		3	1	1	5	P		3	1	1	5	P		2	1	1	4	14	
D0452	Sungavanshi Ajay B.	P		3	3	1	7	P		3	3	1	7	P		3	3	1	7	21	
D0453	Talekar Saurabh S.	P		3	1	1	5	P		3	1	1	5	P		2	1	1	4	14	
D0454	Talekar Rahul A.	P		3	3	2	8	P		2	1	1	4	P		2	1	1	4	16	
D0455	Udavi Prathmesh H.	P		3	1	1	5	P		3	1	1	5	P		2	1	1	4	14	
D0456	Popal Ganesh S.	P		3	3	1	7	P		3	3	1	7	P		3	3	1	7	21	
D0457	Patel Vibish R.	P		3	1	1	5	P		3	1	1	5	P		2	1	1	4	14	
D0458	Waghmare Pratik D.	P		0	0	0	0	P		0	0	0	0	P		0	0	0	0	0	
D0459	Hamarte Abhikush S.	P		0	0	0	0	P		0	0	0	0	P		0	0	0	0	0	
D0460	Rajgane Nikhil I.	P		3	3	2	8	P		3	1	1	5	P		3	1	1	5	18	

Prof. S. P. Gore
 Name & Sign of Subject Incharge

(P/A) : Present / Absent

DC : Date of Completion

MR : Marks for regularity (03)

MP : Marks for Performance (4)

MU : Marks for Understanding (3)



Head of Department

Head of Department

Dept. of Mechanical Engineering
 Shri Chh. Shivajiraje College of Engg.
 Dhangwadi, Pune-412206

Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune.

PROGRESSIVE PRACTICAL INTERNAL CONTINUOUS ASSESSMENT RECORD SHEET

Department : Mechanical Class : TF Batch : T2 Subject :- DME Sem : 1/1 Academic Year : 2022-2023

Roll No.	Name of Student	Cotton Taper						Push Pin coupling						Bottle Taper Tack						Total out of	Signature of Student
		1 (P/A)	2 (DC)	3 (MR)	4 (MP)	5 (MU)	6 (TM)	1	2	3	4	5	6	1	2	3	4	5	6		
TME 21D021	Kanthe Ajinkya P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	20	[Signature]
TME 21D022	Khairi Gourabh R.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	24	[Signature]
TME 21D023	Khondekar Mahesh R.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	19	[Signature]
TME 21D024	Khopade Abhijit A.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	19	[Signature]
TME 21D025	Kokare Ajay K.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	22	[Signature]
TME 21D026	Kokare Ankush S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	25	[Signature]
TME 21D027	Kulkarni Sanket S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	22	[Signature]
TME 21D028	Kumbhar Deep L.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	25	[Signature]
TME 21D029	Kumbhar Mahavir J.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	0	[Signature]
TME 21D030	Kumbhar Vilasram B.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14	[Signature]
TME 21D031	Kumade Abhijeet B.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	16	[Signature]
TME 21D032	Mandhare Aniket S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	19	[Signature]
TME 21D033	Mare Dhruv A.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	19	[Signature]
TME 21D034	Neurose Pratik S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	19	[Signature]
TME 21D035	Neurose Siddhant P.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	20	[Signature]
TME 21D036	Neurose Siddhesh S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	20	[Signature]
TME 21D037	Nimbalkar Pratik R.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	24	[Signature]
TME 21D038	Phavare Nilesh A.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	18	[Signature]
TME 21D039	Pimpale Vishal S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	0	[Signature]
TME 21D040	Pisal Virraj A.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	19	[Signature]

Name & Sign of Subject Incharge
Prof. S. P. Chakre

(P/A) : Present / Absent DC : Date of Completion MR : Marks for regularity (03) MP : Marks for Performance (4) MU : Marks for Understanding (3)



Head of Department
 Dept. of Mechanical Engineering
 Shri Chh. Shivajiraje College of Engg.
 Dhangwadi, Pune-412206 (0)



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

Criterion 2 – Teaching Learning & Evaluation

Key Indicator – 2.3.1 Teaching and Learning

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

INDUSTRIAL VISITS DETAILS A.Y 2022-23

Sr.No	Name of the industry / Company Research Institute / Partnering Institution	Date of Visit	Number of Students Participated	Name of the Department
1	Site visit at Sankalp Soya Plant Dhangawadi, Tal-Bhor, Dist-Pune	12/11/2022	40	CIVIL
2	Site visit Gunjawani Earthen Dam-Hydropower plant (Ashoka Sthapatya Pvt. Ltd) ,Taluka-Velhe, Dist-Pune	09/03/2023	50	CIVIL
3	Site Visit at "Tipping bucket type Rain Gauge Station" Kenjal	12/11/2022	30	CIVIL
4.	Site Visit at Vastu Tech Construction and Dream Construction Site Vetel Peth Bajrang Ali, Bhor	27/12/2022	50	CIVIL
5.	Site Visit at Nira River & Bhor Rajwada, Taluka-Bhor, Dist-Pune	27/12/2022	25	CIVIL
6	Site Visit at Water Treatment Plant at Kenjal, Taluka-Bhor, Dist-Pune	12/11/2022	30	CIVIL



7	Site Visit at Construction Material Exhibition, APCOER, Pune	14/09/2022	50	CIVIL
8	Site Visit at Gunajwani Earthen Dam and its Spillway structure	09/03/2023	55	CIVIL
9	Site Visit at Site Visit On Nira Deoghar Dam,- Hydropower plant (Celerity Power)	27/12/2022	50	CIVIL
10	Site Visit at Shri Sai Buildcon, Ambegaon Dist-Pune	11/05/2023	71	CIVIL
11	Site Visit at Thermal faecal sludge treatment Plant, Wai Taluka -Wai, Dist-Satara	03/05/2023	50	CIVIL
12	Site visit report on Earthen dam-Nira Deoghar Dam and its Canal structure	03/05/2023	50	CIVIL
13	Site visit report on Gravity dam-Bhtaghar Dam	03/05/2023	50	CIVIL
14	Site Visit at AWS Station Kenjal		30	CIVIL
15	Site Visit at Shri Sai Buildcon for Bar Bending Schedule, Ambegaon Dist-Pune	11/05/2023	71	CIVIL
16	Site visit at Rajgad Sahakari Sakhar Karkhana Nigade, Tal-Bhor, Dist-Pune	12/11/2022	45	CIVIL
17	Patronix Technologies Pvt. Ltd. Pune.	24-08-2022	65	Computer
18	Web Minds IT Solutions, Pune.	10-05-2022	58	Computer
19	IT-EXPO, Agriculture Ground, Shivajinagar, Pune	16-12-2022	67	Computer
20	Dhom Dam, Dhom, Wai	05-09-2023	69	Computer
21	GMRT ,Naryangaon	1/03/2023	34	E&TC
22	ARETE Manufacturing	5/05/2023	43	E&TC



	Services Pvt. Ltd.			
23	Site Visit at Rajgad Sahakari Sakhar Karkhana Ltd. Anatanagar, Nigade.	15/12/2022	60	Mechanical
24	Industrial Visit at Gargi Engineering Services, Pande, Bhor.	31/03/2023	45	Mechanical
25	Industrial Visit at Sahyadri Automobile Service Center, Shirwal.	27/04/2023	50	Mechanical
26	Industrial Visit at Hydro Power Station Dhom, Wai.	09/05/2023	45	Mechanical




Prof. Dr. S. B. Patil
 Principal
 Rajgad Dnyanpeeth Technical Campus
 Shri Chhatrapati Shivaji College of Engineering
 Dhangawadi, Tal. Bhor, Dist. Pune-412 206



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhore, Dist: Pune -412205 (MS), India.

Website: www.rajgad.edu.in, Email Id: sescoe@gmail.com

Ref.: RD/SCSCOE/DA/2022-2023/ 32

Date: 23/02/2023

To,
The Project Incharge
GMRT, Naryangaon.

Subject: Permission letter for industrial visit.

Respected Sir/Madam,

On behalf of Shri Chhatrapati Shivajiraje college of Engineering, Bhore, Pune, I want to arrange an industrial visit in your industry, I am writing this letter to you for getting permission for the same.

Objectives of industrial visit is to provide students an insight regarding internal working of companies. We know, theoretical knowledge is not enough for making a good professional career. With an aim to go beyond academics, industrial visits provide students a practical perspective on the world of work.

We decide to give some practical education to the students about the industrial procedures and its facilities. For that your firm is the best option a carry on such projects. In that case we need your support. The 66 students of TE E&TC 49 students of BE E&TC will be the part of trip accompanied by 4 teachers. The date of visit is 01/03/2023.

Hope you understand the need of trip for education purpose. So kindly grant us the permission for the same.

Thanking you,

Yours' Faithfully

Prof. Dr.S.B.Patil

Principal

Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engg.,
Dhangawadi, Pune-412206





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Website: www.rajgad.edu.in, Email Id: sescoe@gmail.com

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING**

Date :-24/02/2023

NOTICE

We are organizing an Industrial Visit for final year students of Electronics and Telecommunication Engineering department at GMRT Narayangaon ,Khodad on 1/03/2023.

There will be no classes for those students who will attend the visit on that day. Students are required to be in formal and carry their Identity card.

Following faculty members will accompany the students on Industrial visit:

1. Prof. J. J. Bandal
2. Prof.Dr. S. I. Nipanikar


I.V. Coordinator




HOD

Head of Department
Dept. of E& TC Engineering
Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune - 412205



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJI RAJGE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal. Bhore, Dist. Pune -412205 (MS), India.

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGG.

INDUSTRY VISIT REPORT

Correspondence through Email / Letter No: RD/SCSCOE/DA/2022-2023/32 Date:23/02/2023

Response through Email /Letter No: RD/SCSCOE/DA/2022-2023/32 Date:23/02/2023

Name of Faculty: 1.Prof. J. J. Bandal 2.Prof. Dr. S. I. Nipanikar Department: ENTC

Visit for Class: BE Branch: Electronics and Telecommunication Engineering Date: 1/03/2023

Name & Address of Industry Visited: GMRT, Khodad ,Narayangaon_, Dist -Pune

Name of Industry Person: Mr. J. K. Solanki

Designation: Head Admin

Contact No: _912132252112 solanki@ncra.tifr.res.in

1. Introduction about the Company?

The Giant Metrewave Radio Telescope (GMRT), located near Narayangaon, Pune in India, is an array of thirty fully steerable parabolic radio telescopes of 45 metre diameter, observing at metre wavelengths. It is the largest and most sensitive radio telescope array in the world at low frequencies.

WHY METRE WAVELENGTH : The metre wavelength part of the radio spectrum has been particularly chosen for study with GMRT because man-made radio interference is considerably lower in this part of the spectrum in India. Although there are many outstanding astrophysics problems which are best studied at metre wavelengths, there has, so far, been no large facility anywhere in the world to exploit this part of the spectrum for astrophysical research.

SITE : The Site for GMRT, about 10 km east of Narayangaon town on the Pune-Nasik highway, was selected after an extensive search in many parts of India, considering several important criteria such as low man-made radio noise, availability of good communication, vicinity of industrial, educational and other infrastructure and, a geographical latitude sufficiently north of the geomagnetic equator in order to have a reasonably quiet ionosphere and yet be able to observe a good part of the southern sky as well.

ANTENNA CONFIGURATION: The number and configuration of the dishes was optimized to meet the principal astrophysical objectives which require sensitivity at high angular resolution as well as ability to image radio emission from diffuse extended regions. Fourteen of the thirty dishes are located more or less randomly in a compact Central Array in a region of about 1 sq km. The remaining sixteen dishes are spread out along the 3 arms of an approximately Y shaped configuration over a much larger region, with the longest interferometric baseline of about 25 km.

The multiplication or correlation of radio signals from all the 435 possible pairs of antennas or interferometers over several hours will thus enable radio images of celestial objects to be synthesized with a resolution equivalent to that obtainable with a single gigantic dish 25 kilometres in diameter! The array will operate in six frequency bands centred around 50, 153, 233, 325, 610 and 1420 MHz. All these feeds provide dual polarization outputs. In some configurations, dual-frequency observations are also possible.





Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

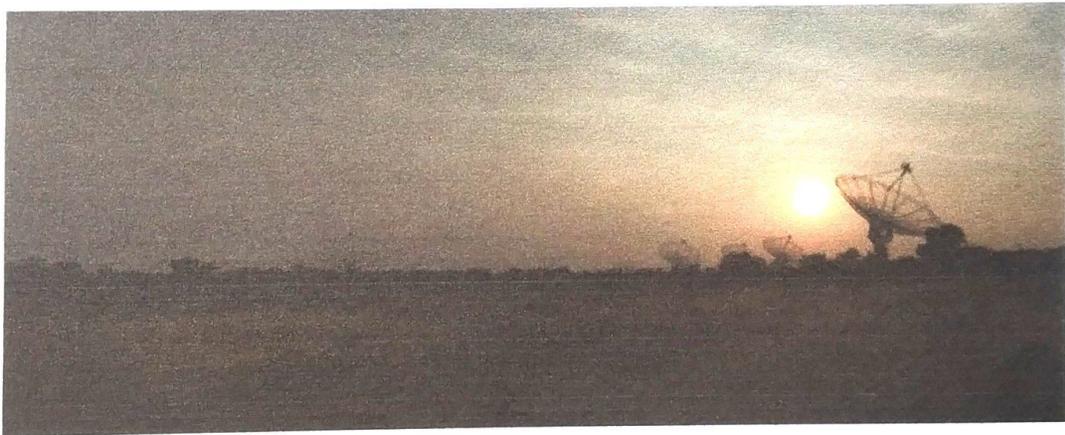
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal. Bhore, Dist. Pune -412205 (MS), India.

The highest angular resolution achievable will range from about 60 arcsec at the lowest frequencies to about 2 arcsec at 1.4 GHz.

DESIGN BREAKTHROUGH: GMRT is an indigenous project. The construction of 30 large dishes at a relatively small cost has been possible due to an important technological breakthrough achieved by Indian Scientists and Engineers in the design of light-weight, low-cost dishes. The design is based on what is being called the 'SMART' concept - for **Stretch Mesh Attached to Rope Trusses**.

The dish has been made light-weight and of low solidity by replacing the conventional back-up structure by a series of rope trusses (made of thin stainless steel wire ropes) stretched between 16 parabolic frames made of tubular steel. The wire ropes are tensioned suitably to make a mosaic of plane facets approximating a parabolic surface. A light-weight thin wire mesh (made of 0.55 mm diameter stainless steel wire) with a grid size varying from 10 X 10 mm in the central part of the dish to 20 X 20 mm in the outer parts, stretched over the rope truss facets forms the reflecting surface of the dish. The low-solidity design cuts down the wind forces by a large factor and is particularly suited to Indian conditions where there is no snowfall in the plains. The overall windforces and the resulting torques for a 45-m GMRT dish are similar to those for only a 22-m dish of conventional design, thus resulting in substantial savings in cost.

The dish is connected to a 'cradle' which is supported by two elevation bearings on a yoke placed on a 3.6 m diameter slewing-ring bearing secured on the top of a 15 metre high concrete tower. The weight of the disk is about 80 tonnes and the counter-weight is about 40 tonnes. The dishes have alt-azimuth mount.



Few antennas at the Central Square

GMRT Antenna Specifications

The large size of the parabolic dishes implies that GMRT will have over three times the collecting area of the Very Large Array (VLA) in New Mexico, USA which consists of 27 antennas of 25 m diameter and is presently the world's largest aperture synthesis telescope operating at centimetre wavelengths. At 327 MHz, GMRT will be about 8 times more sensitive than VLA because of the larger collecting area, higher efficiency of the antennas and a substantially wider usable bandwidth because of the low level of man-made radio interference in India.





Rajgad Dnyanpeeth's

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Electronic Frontends and Backends: Apart from the novel low-cost design of the parabolic dishes, the instrument has state-of-the-art electronics systems developed indigenously and consisting of the following main sub units.

- Antenna feeds at six different frequency bands between 50 MHz and 1500 MHz, having good polarization characteristics as well as simultaneous multiband operation.
-
- Low-noise amplifiers, local oscillator synthesizers, mixers, IF amplifiers.

Optical fibers linking the entire array with the CEB. These are used both for the telemetry signals and local oscillator phase reference communication between the CEB and each antenna base.

- A digital 2,30,000-channel FX-type correlator providing upto 128 spectral channels and covering a maximum bandwidth of 32 MHz

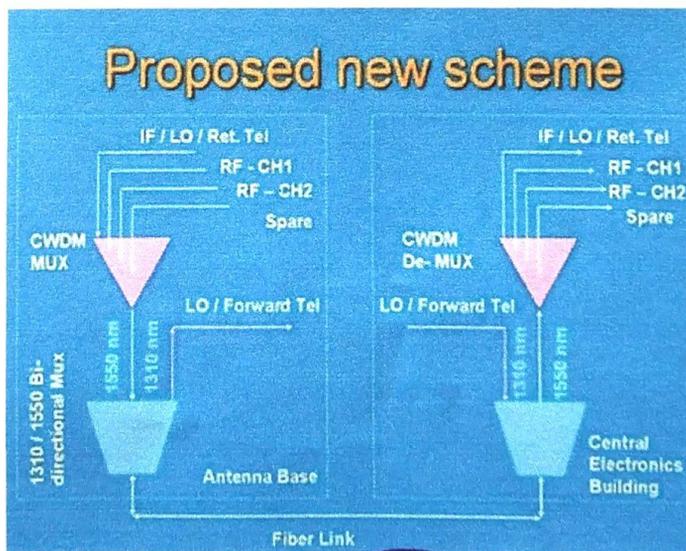
Fiber Optics System in GMRT

Upgrade Plan:

Broadband analog fiber optic link GMRT Upgrade.
Ethernet link to antennas 1 Gbps.
Supporting existing fiber optic link with smooth upgrade.
8 x 1 GBE Long haul fiber optic link
Fiber Optic LAN for GMRT Fiber to your work place.
RF common box with fiber connectivity 15 meter dish.

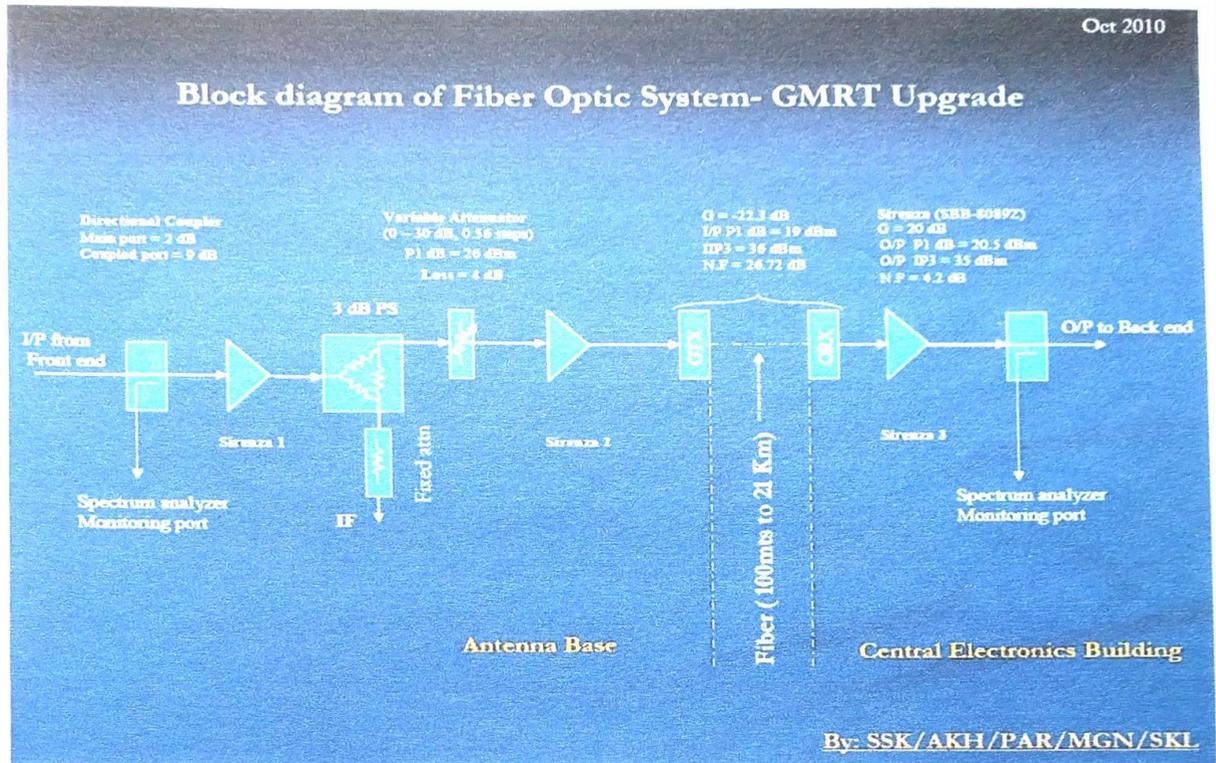
Block Diagram:

1. Proposed New Scheme:

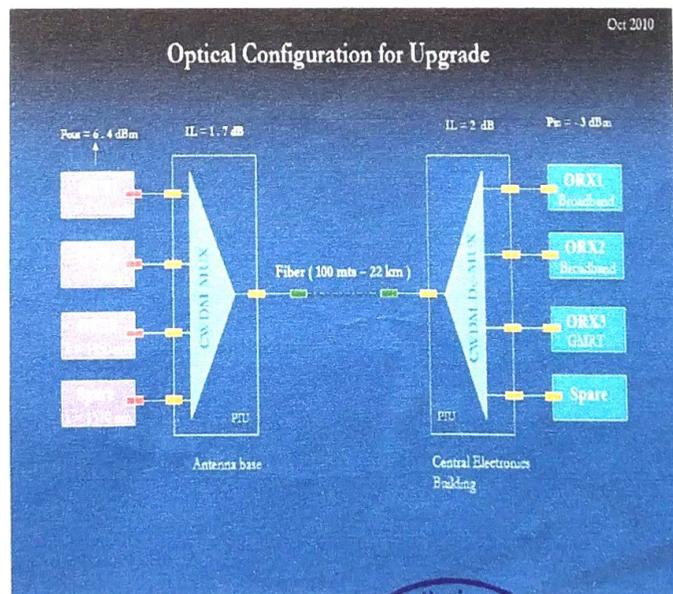




2. Cascaded Optical Fiber System



3. Optical Configuration:





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2. Journey Begins (Details of timings) (From college to INDUSTRY VISIT to college)



Narayangaon is located at 130 Km from Bhor and the road condition was very good. We needed to reach the place at the earliest so we started pretty early at 6:00 am and by picking up our teammates at various stops, finally, we were on our way to GMRT at 1:00 pm.



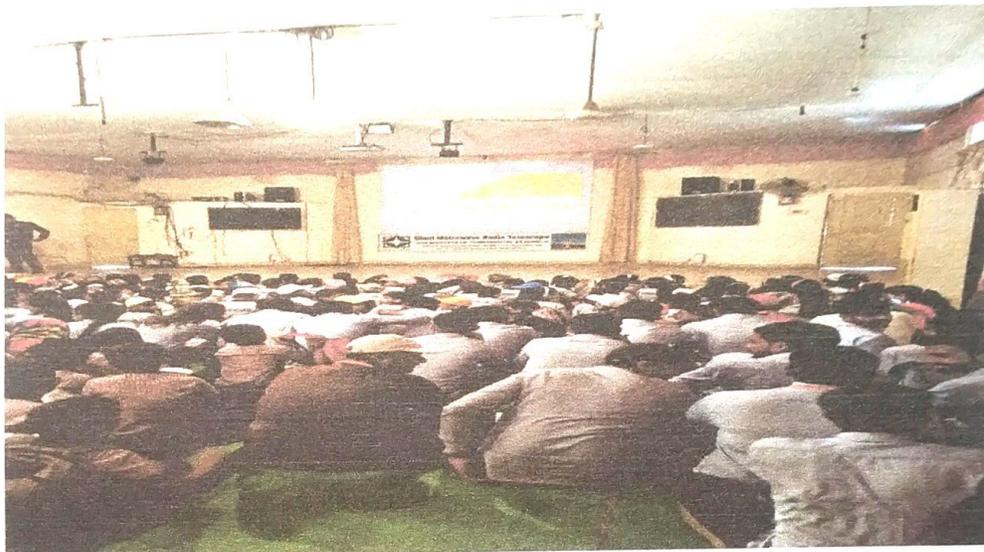


Rajgad Divanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-1, Dhanpawadi, Tal. Bhor, Dist. Pune -412205 (MS), India.

We were welcomed by the staff members of GMRT. Firstly one session was arranged on 'Seven wonders of world' for half an hour.



Session 'Seven wonders of world'

After that all students saw the innovative ideas in project exhibition from various colleges.



Students observing project Exhibition

GMRT staff members took us to the central tower, who showed us the replica of the entire telescope spread in a Y shape.





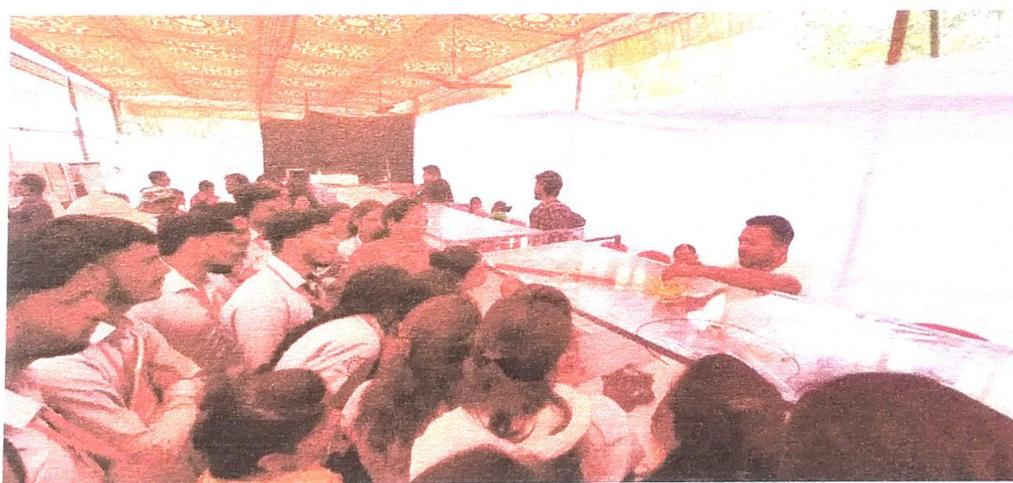
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Replica of the entire telescope spread in a Y shape



Students got information regarding fiber optic cable, splicer machine, amplifiers, OTDR

Then they showed us the various parts of this giant telescope like stainless steel wire mesh, motors, receivers, amplifiers, concrete towers, etc. and explained the working of each part in a simplified manner. We are very thankful to the entire GMRT team for their precious time and for sharing valuable knowledge with us.





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Giant telescope





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Experts give information regarding Giant Telescope

We had the huge parabolic dish in actual working condition in front of us which made the understanding simpler and we could actually see the movement of the dish as per the movement of the target object. It was a mesmerizing scene to see this huge dish move.

Students also got the information regarding different types of optical fiber cables, connectors, new systems such as 250-500 MHz Front End Electronics for uGMRT, Next Gen Multi – frequency Low Noise Front End System for uGMRT, Wideband Front-end Receiver Electronics for the Upgraded GMRT, Wideband Feeds & Frontend systems for the Upgraded GMRT, TANGO based GMRT Control System, TANGO BASED GMRT Control System, GMRT upgraded sentinel system.

GMRT:

30 fully steerable parabolic dishes (each of 45-meter diameter) spread over 25 km in Y shape make this Giant telescope. It was set up by scientists from India to get an opportunity to study radio waves coming from astronomical objects at low frequency (10 MHz to 1.5 GHz).

Radio Astronomy was pioneered in India in its true sense by Dr. Govind Swaroop around 1963 which was followed by setting up a Radio dish in Kalyan and then in Ooty where the Sun, stars and other celestial bodies were studied. After a successful implementation of this project, Dr. Swaroop put forth the idea of Giant Metrewave Radio Telescope and got it sanctioned from the government.





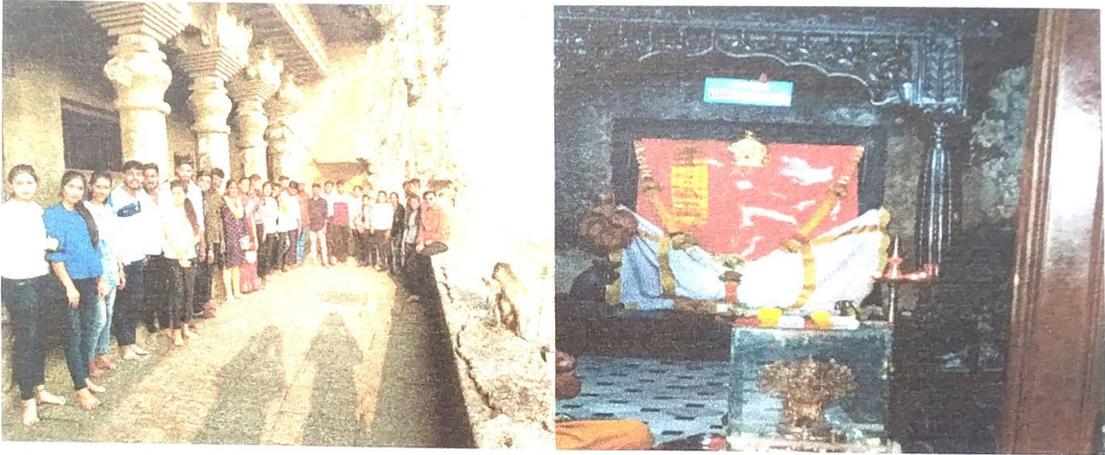
Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

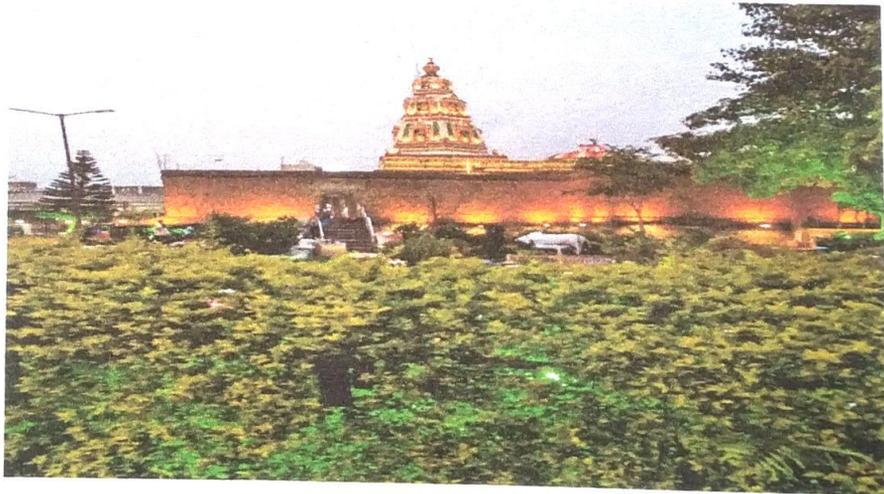
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal. Bhore, Dist. Pune -412205 (MS), India.

The entire project is made from all local set up by Indian scientists. This telescope is in use since the year 2000 and even today the radio scientists from all over the world prefer GMRT to study various objects in the space and the radio waves emitted by those objects.

After completion of industrial visit site visit was also arranged at Lenyadri & Ozar Ganapati Temple.



Lenyadri Ganpati Temple



Ozar Ganpati Temple

Return back to college at 11:00 pm.





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3. How was the Approach towards Practical Knowledge?

Fiber optic communication subjects, practical knowledge is more important than theoretical knowledge. Practical work includes experiments in laboratories, study tours, projects, assignments etc. the advantages of practical work are unmatched. Getting theoretical knowledge has no value until students can apply it for practical purposes.

In visit students got perfect idea regarding different types of fiber optic cables, how to find out losses in transmission by using OTDR as well as how to join fiber optic cable using splicer machine.

During the entire industrial visit, the organization was found to be very cooperative in every walk of its administrative and managerial aspects. The students acquired knowledge based on Fiber optic Communication. The students asked several questions and all the experts were happy to satisfy their queries. This visit was full of excitement and enthusiasm.

4. What are benefits to students from Industrial Visit?

1. Academic 2. Projects 3. Research
4. Consultancy 5. Training

5. Students Opinion about the Industrial Visit?

1. Satisfied 2. Not Satisfied

6. Whether Company is ready to help for College?

1. Industrial Visit 2. Expert Lecture 3. Training
4. Employment 5. Sponsors Projects 6. Workshop/Seminar

7. How could the visit be improved?

Before going to visit all students must know the details of the location. So that they can find the information regarding the industry project and they can write 5 questions each regarding the industry and can ask them during the visit. So this can be helpful and will help boost knowledge.





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8. Things to follow up for the next industrial visit?

1. Journey start early in morning
2. Within one visit arrange nearby two locations.
3. Before visit students must know the product manufacturing in company. Also students must prepare at least five questions.

[Signature]

(Name & Signature of Industrial Visit
Coordinator)

[Signature]
HOD

Head of Department
Dept. of E& TC Engineering
Shri Chh. Shivajiraje College of Engg,
Dhangawadi, Pune-412205

[Signature]
Principal

Principal
Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engg.,
Dhangawadi, Pune-412 205



FORM NO. 37 / 15 Rev. 11

**LETTER OF UNDERTAKING FOR INDUSTRIAL TOUR BY PARENTS/
GUARDIANS**

Date: 24/2/2023

To,
The Principal,
Shri Chhatrapati Shivajiraje College Of Engineering,
Dhangawadi, Pune.

Subject: Submission of "Industrial Tour Undertaking"- Reg

Dear Sir,

We, Mr Dhanaji S. Deokar Mrs Jayashri D. Deokar
parents of Miss. Poonam D. Deokar studying in 8th semester of
EFTC Deptt. of your college, hereby voluntarily submitting the undertaking.
We are aware that our son/ daughter is participating in the industrial tour organized by
the institute scheduled on 01/03/2023 with our full acceptance.

We shall ensure that our son/ daughter shall abide by the college terms and conditions
and shall obey the instructions of the faculty members who are accompanying the
industrial tour.

We also declare and confirm that the college will not be held responsible in the event
of any misfortune/ accident/ personal injuries involving our son/ daughter and take full
responsibility of any damage to the property or accident/ personal injuries to the other
person as a result of our son/daughter's negligent act during the period of the tour.

Your's Truly

Father's/ mother's Sign

Mobile No 9850383603

Student's Sign

Mobile No 8530702515.

**LETTER OF UNDERTAKING FOR INDUSTRIAL TOUR BY PARENTS/
GUARDIANS**

Date: 24/02/2023

To,
The Principal,
Shri Chhatrapati Shivajiraje College Of Engineering,
Dhangawadi, Pune.

Subject: Submission of "Industrial Tour Undertaking"- Reg

Dear Sir,

We, Mr Pradip L. Babar Mrs Sangita P. Babar,
parents of Rutuja Pradip Babar studying in 8th semester of
E&TC Deptt. of your college, hereby voluntarily submitting the undertaking.
We are aware that our son/ daughter is participating in the industrial tour organized by
the institute scheduled on 01-3-2023 with our full acceptance.

We shall ensure that our son/ daughter shall abide by the college terms and conditions
and shall obey the instructions of the faculty members who are accompanying the
industrial tour.

We also declare and confirm that the college will not be held responsible in the event
of any misfortune/ accident/ personal injuries involving our son/ daughter and take full
responsibility of any damage to the property or accident/ personal injuries to the other
person as a result of our son/daughter's negligent act during the period of the tour.

Your's Truly

S. P. Babar
Father's/ mother's Sign

Mobile No 9404552969

Babar
Student's Sign

Mobile No 9356653966



RajgadDnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India.
Website: www.rajgad.edu.in, Email Id: scscoe@gmail.com

Date-02/05/2023

DEPARTMENT OF CIVIL ENGINEERING

NOTICE

We are organizing an Industrial Visit for Third year students of Civil department at, **Thermal faecal sludge treatment Plant, Wai Taluka - Wai, Dist-Satara** At date 03/05/2023 (Wednesday). Timing-11am to 2:30 pm. There will be no classes for those students who will attend the visit on that day. Students are required to be in formal and carry their Identity card.

Following faculty members will accompany the students on Industrial visit:

1. Prof. P.G.Gaikwad
2. Prof. G.S. Yadav

Coordinator

Prof. P.G.Gaikwad

HOD

Head of Department

Dept. of Civil Engineering
Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune - 412205



Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra & DTE, Mumbai, and Affiliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engg./376/2009), DTE CODE : EN3624,

॥ श्रद्धावान् भवतु ॥



Since-1972

Anantrao Thopte
Founder President, Ex. Edu. Minister

Sangram Thopte
MLA, Executive President

Sau. Swarupa S. Thopte
Hon. Secretary

Dr. S. B. Patil
Principal

RD/SCSCOE/CIVIL/VISIT/2022-23/224

Date: 02/05/2023

To,
Chief Officer,
Municipal Cooperation.,
Wai, Satara.

Subject: - Regarding permission for academic site visit.

Respected Sir,

Our Rajgad Dnyanpeeth's, Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi (Bhor) is affiliated to Savitribai Phule Pune University. As per the curriculum of Savitribai Phule Pune University for Third year students of Civil Engineering, we are planning an academic site visit at your organisation under Waste water Engineering subject.

This visit will enhance the skill of students to encourage the creative thinking process to help them to get confidence about the actual field work. Details about number of students & tentative dates are as follows,

- **Name of Faculty:** Asst. Prof. Poonam G. Gaikwad
(Contact No, Mail id-poonu.gaikwad95@gmail.com)
- **No of Students:** 50
- **No of Faculty members:** 02
- **Tentative Date:** First week Of May

Kindly do the needful.

Thanking you.

Prof. S. P. Salunkhe
HOD



Prof. Dr. S. B. Patil
Principal

आवक जावक तिथीक
वाई नगरपरिषद, वाई





Dept.: Civil Engineering

Academic Year: 2022-23

SITE VISIT REPORT

Date: -03/05/2023

- 1) **Class:** T.E Civil
- 2) **Subject:** Waste Water Engineering
- 3) **Name of Site:** Thermal faecal sludge treatment Plant, Wai Taluka -Wai,Dist-Satara
- 4) **Date & Time:** Wednesday, 03.05.2023 & 11.00 am To 2.30 pm
- 5) **Present Students:**50/02
- 6) **Contact Person with Designation & Phone No.:** Mr.Khopade sir
- 7) **Name of Faculty:** Prof. P.G.Gaikwad, Prof. G. S. Yadav

As a part of academic curriculum, we visited the above site. We observed & studied the following things.

Content of studies:

- i. Study of Waste Water Treatment Plant
- ii. Study of Various Units like activated Sludge process
- iii. Study Disposal Technique , Composting Plant

Sewage treatment or domestic wastewater treatment, municipal wastewater treatment is a type of wastewater treatment which aims to remove contaminants from sewage to produce an effluent that is suitable for discharge to the surrounding environment or an intended reuse application, thereby preventing water pollution from raw sewage discharges. Sewage contains wastewater from households and businesses and possibly pre-treated industrial wastewater. There are a high number of sewage treatment processes to choose from. These can range from decentralized systems including on-site treatment systems to large centralized systems involving a network of pipes and pump stations called sewerage which convey the sewage to a treatment plant. For cities that have a combined sewer, the sewers will also carry urban runoff storm water to the sewage treatment plant. Sewage treatment often involves two main stages, called primary and secondary treatment, while advanced treatment also incorporates a tertiary treatment stage with polishing processes and nutrient removal. Secondary treatment can reduce organic matter (measured as biological oxygen demand) from sewage, using aerobic or anaerobic biological processes.

A large number of sewage treatment technologies have been developed, mostly using biological treatment processes. Engineers and decision makers need to take into account technical and economical criteria, as well as quantitative and qualitative aspects of each alternative when choosing a suitable technology. Often, the main criteria for selection are: desired effluent quality, expected construction and operating costs, availability of land, energy

requirements and sustainability aspects. In developing countries and in rural areas with low population densities, sewage is often treated by various on-site sanitation systems and not conveyed in sewers. These systems include septic tanks connected to drain fields, on-site sewage systems (OSS), vermifilter systems and many more. On the other hand, advanced and relatively expensive sewage treatment plants in cities that can afford them may include tertiary treatment with disinfection and possibly even a fourth treatment stage to remove micro pollutants.

At the global level, an estimated 52% of sewage is treated. However, sewage treatment rates are highly unequal for different countries around the world. For example, while high-income countries treat approximately 74% of their sewage, developing countries treat an average of just 4.2%. The treatment of sewage is part of the field of sanitation. Sanitation also includes the management of human waste and solid waste as well as storm water (drainage) management. The term "sewage treatment plant" is often used interchangeably with the term "wastewater treatment plant".

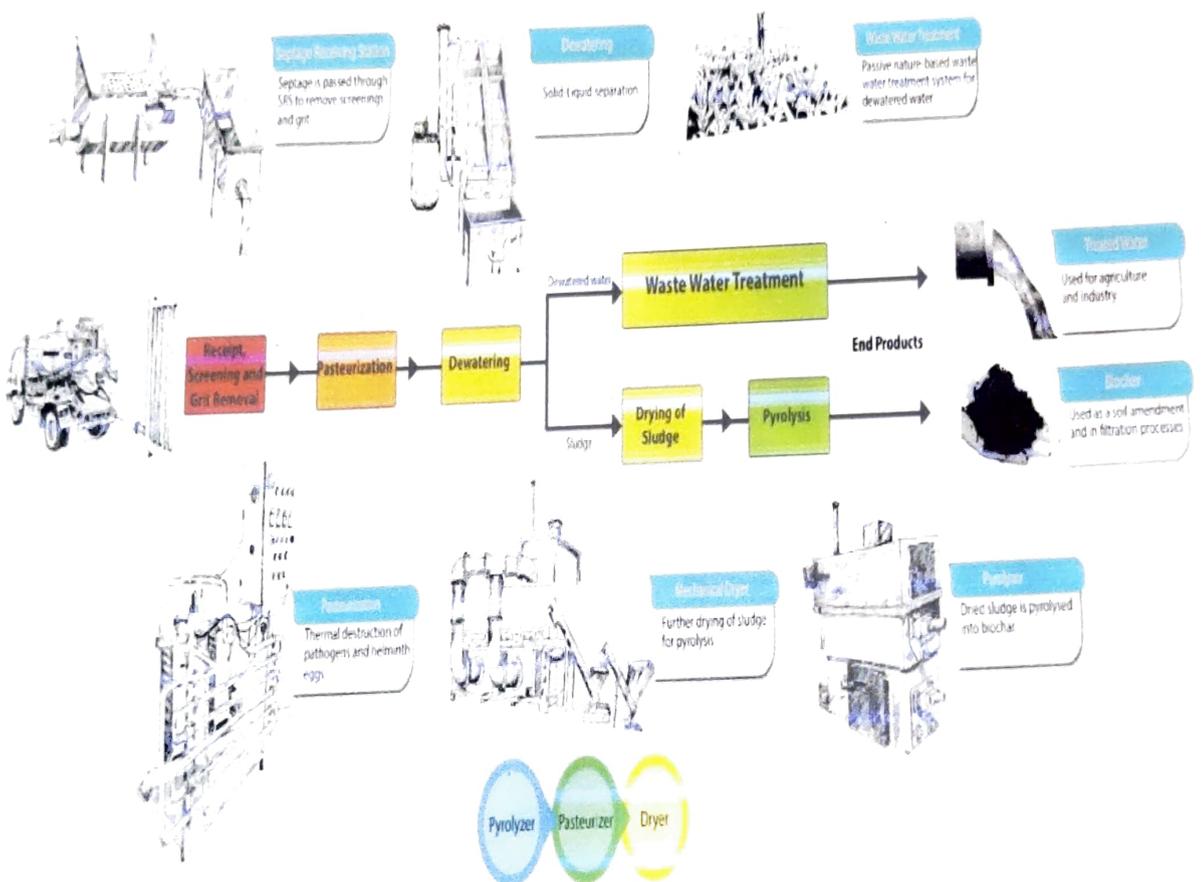
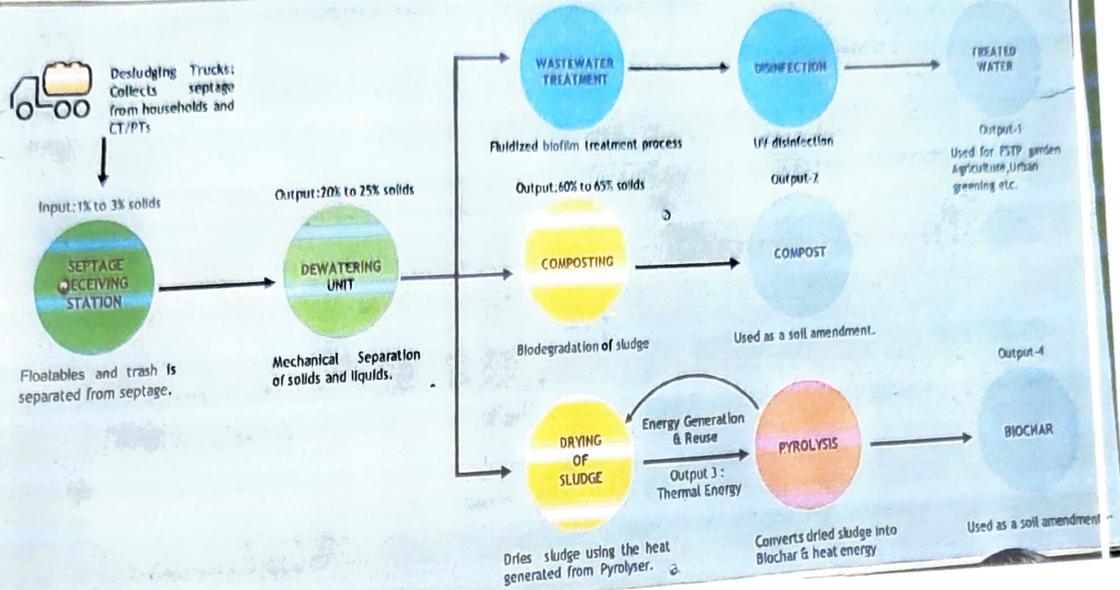


Fig.1 Flow Diagram Of Waste Water Treatment plant

THERMAL FAECAL SLUDGE TREATMENT PLANT

Wai, Maharashtra



- Wai is a small city in Satara district of Maharashtra, with a population of 43,000 (in 2019). Under Citywide Inclusive Sanitation, Wai Municipal Council with support from CEPT University has become India's first city to implement scheduled desludging of septic tanks at 3 years emptying cycle along with treatment of collected septage at a dedicated Faecal Sludge Treatment Plant (FSTP). The FSTP produces treated wastewater and sludge.
- Due to scheduled emptying high volume of septage is generated. In order to explore some economic or indirect benefit from the plant, the reuse study is being conducted for Wai.
- Maharashtra government has adopted a policy in 2017 that makes municipalities responsible for recycling wastewater and reusing treated wastewater to cool thermal power plants, serve industrial estates, and for other non-potable purposes. ... The municipalities have been given the responsibility of creating a draft action plan regarding the policy within a year and commission the recycling plants within the next three years. The Maharashtra reuse policy was formulated for 71 cities that have STPs.
- However, with 311 FSTPs coming up in Maharashtra and with the state moving to scheduled desludging there will be high volume of treatment, hence reuse policy for FSTP is also necessary.
- The study aims to explore various onsite and offsite reuse options for treated WW and Septage at Wai FSTP. It will identify parameters based on which reuse options can be assessed.
- Experience of Wai will be useful in developing a policy for reuse of treated water from FSTPs in the state



Google

Satara, Maharashtra, India

sonapur sheti, XVFW+5RP, Maharashtra Industrial Development Corporation, Maharashtra 412803, India

Lat 17.972739°

Long 73.896351°

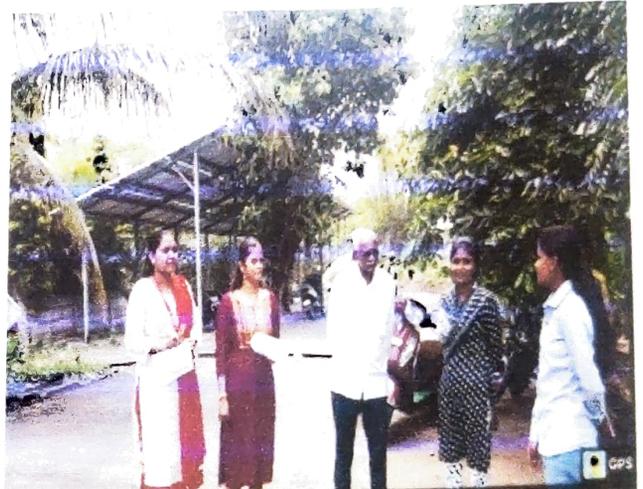
03/05/2023 GMT +05:30



Satara, Maharashtra, India
 sonapur sheti, XVFW+5RP, Maharashtra Industrial Development
 Corporation, Maharashtra 412803, India
 Lat 17.973013°



Satara, Maharashtra, India
 sonapur sheti, XVFW+5RP, Maharashtra Industrial Development
 Corporation, Maharashtra 412803, India
 Lat 17.972791°
 Long 73.896261°
 03/05/2023 GMT +05:30



Satara, Maharashtra, India
 sonapur sheti, XVFW+5RP, Maharashtra Industrial Development
 Corporation, Maharashtra 412803, India
 Lat 17.973043°
 Long 73.896587°
 03/05/23 01:33 PM GMT +05:30

P.G. Gaikwad

P.G. Gaikwad
Faculty In-charge

Prof. S.P. Salunkhe

Prof. S.P. Salunkhe
HOD



Class: T.E.Civil

S. No	Roll No.	Student Name	Signature
1	TCI21D001	Achalere Baburao Shivanand	Achalere
2	TCI21D002	Babar Rajat Ravindra	Babar
3	TCI21D003	Bansode Rushikesh Shankar	Bansode
4	TCI21D004	Barkade Kishor Uttam	Barkade
5	TCI21D005	Bhoite Abhijeet Manoj	Abhijeet
6	TCI21D006	Bhoite Abhijeet Kanchan	Abhijeet
7	TCI21D007	Bhokare Harshal Prakash	Bhokare
8	TCI21D008	Bodare Kaushtub Mohan	Bodare
9	TCI21D009	Charegaonkar Pratik Shailendra	Charegaonkar
10	TCI21D010	Chawan Umesh Shankar	Chawan
11	TCI21D011	Devrase Ganesh Santosh	Devrase
12	TCI21D012	Gaud Mamta Satyanarayan	Gaud
13	TCI21D013	Ghadge Om Sanjay	AB
14	TCI21D014	Ghone Pritam Rohidas	AB
15	TCI21D015	Jadhav Anil Naganath	Jadhav
16	TCI21D016	Jadhav Tejas Naresh	Tejas
17	TCI21D017	Jadhav Tejas Ramesh	Jadhav
18	TCI20F018	Jagtap Vivek Sanjeev	Jagtap
19	TCI21D019	Jori Aditya Ram	Aditya
20	TCI21D020	Kadam Vaibhav Vikas	AB
21	TCI21D021	Kambale Vaibhav Tatyasaheb	AB
22	TCI21D022	Kanekar Aadil Abdul Wahab	Kanekar
23	TCI21D023	Karne Kartik Bhimrao	Karne
24	TCI21D024	Kasar Akash Madan	Kasar
25	TCI21D025	Kendre Samath Laterao	Kendre
26	TCI21D026	Kesarkar Rohini Ravindra	Rohini
27	TCI21D027	Lagad Rajkumar Gajanan	Lagad
28	TCI21D028	Lambe Durgesh Vishnu	Lambe
29	TCI21D029	Madam Pooja Satish	Madam
30	TCI21D030	Mandhare Ganesh Sanjay	Mandhare
31	TCI21D031	Mane Akanksha Anant	Mane
32	TCI21D032	Mane Suraj Arjun	Mane
33	TCI21D033	Matale Rushikesh Kaluram	Matale
34	TCI21D034	More Apurva Shrikant	More
35	TCI21D035	More Sunanda Shrikant	More

S. No	Roll No.	Student Name	Signature
36	TCI21D036	Olekar Prakash Dnyaneshwar	
37	TCI20F037	Pangare Megha Rajendra	
38	TCI21D038	Pawar Avinash Santosh	
39	TCI21D039	Pawar Dhammadip Laxman	
40	TCI21D040	Pawar Makarand Sanjay	
41	TCI21D041	Pawar Prathamesh Rajendra	
42	TCI21D042	Pawar Vaibhav Dilip	
43	TCI21D043	Pinpratiwar Akash Babruwan	
44	TCI20F044	Pisal Sanika Arun	
45	TCI21D045	Powar Pratibha Sagar	
46	TCI20F046	Rajiwade Ketan Narayan	
47	TCI21D047	Ranjane Sandhya Sanjay	
48	TCI21D048	Relekar Aditya Arun	
49	TCI21D049	Sable Vijaya Rohidas	
50	TCI21D050	Salunkhe Shrikant Popatbhai	
51	TCI21D051	Shinde Aniket Vitthal	
52	TCI21D052	Surwase Tejas Jatyasaheb	
53	TCI21D053	Thorave Sonali Mahadev	
54	TCI21D054	Tupe Aditya Navnath	
55	TCI20F055	Tupe Sandesh Ashok	
56	TCI21D056	Yadav Prajwal Santosh	

Subject Teacher
 Prof. P. G. Gaikwad.

Head of Department

Head of Department
 Dept. of Civil Engineering
 Shri Chh. Shivajuraje College of Engg.
 Dhankawadi, Pune-412206



Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra & DTE, Mumbai, and Affiliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engg./376/2009), DTE CODE : EN3624,



Anantrao Thopte
Founder President, Ex. Edu. Minister

Sangram Thopte
MLA, Executive President

Sau. Swarupa S. Thopte
Hon. Secretary

Dr. S. B. Patil
Principal

RD/SCSCOE/CIVIL/VISIT/2022-23 / 224

Date: - 02/05/2023

To,
Chief Officer,
Municipal Cooperation.,
Wai, Satara.

Subject:- Letter of Gratitude.

Respected sir,

It gives us immense pleasure in thanking you for allowing an educational visit to Thermal faecal sludge treatment Plant, Wai Taluka - Wai, Dist-Satara dated on 03 May 2023.

It was a great learning experience for our students, a detailed briefing given by staff is worth appreciation.

Thank you once again for your support and I hope that we will continue to receive your cooperation future.

Thanking You

Yours faithfully

Prof. S. P. Salunkhe
Head of Department

Dept. of Civil Engineering
Shri Chhatrapati Shivajiraje College of Engineering
Wai, Satara, Dist. Satara, Maharashtra



आवक जावक विपिक
वाई नगरपालिका, वाई

2023/05/02



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

Criterion 2 – Teaching Learning & Evaluation

Key Indicator – 2.3.1 Teaching and Learning

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

STUDENT INTERNSHIPS A.Y. 2022-2023

S.No	Name of Student	Name of Sponsored Industry /Research Institute/ Partner in Institution	Duration	Name Of Department
1	Kendre Sainath Taterao	Matru Chhaya Construction, Karve Nagar Pune	28/01/2023 To 28/02/2023	Civil
2	Jagtap Vivek Sanjeev	Matru Chhaya Construction, Karve Nagar Pune	28/01/2023 To 28/02/2023	Civil
3	Lambe Durgesh Vishnu	Matru Chhaya Construction, Karve Nagar Pune	28/01/2023 To 28/02/2023	Civil
4	More Apurva Shrikant	Matru Chhaya Construction, Karve Nagar Pune	28/01/2023 To 28/02/2023	Civil
5	Power Pratibha Sagar	Matru Chhaya Construction, Karve Nagar Pune	28/01/2023 To 28/02/2023	Civil
6	Bharekar Manavi Manohar	Matru Chhaya Construction, Karve Nagar Pune	28/01/2023 To 28/02/2023	Civil
7				Civil



	Chavan Umesh Shankar	Matru Chhaya Construction, Karve Nagar Pune	28/01/2023 To 28/02/2023	
8	Karme Kartik Bhimrao	Matru Chhaya Construction, Karve Nagar Pune	28/01/2023 To 28/02/2023	Civil
9	Sabale Vijaya Rohidas	Z.P.Sub Division (Works) Purandar,Pune	20/01/2023 To 05/03/2023	Civil
10	Ranjane Sandhya Sanjay	Vastu Tech Construction & Vastushastra,Bhor, Pune	20/04/2023 To 05/05/2023	Civil
11	Yadav Prajwal Santosh	Taj Creations Buildtech Llp.Khandala Dist - Satara	23/01/2023 To 15/02/2023	Civil
12	Tupe Aditya Navnath	Taj Creations Buildtech Llp.Khandala Dist - Satara	23/01/2023 To 15/02/2023	Civil
13	Devrise Ganesh Santosh	Taj Creations Buildtech Llp.Khandala Dist - Satara	23/01/2023 To 15/02/2023	Civil
14	Pawar Vaibhav Dilip	Taj Creations Buildtech Llp.Khandala Dist - Satara	23/01/2023 To 15/02/2023	Civil
15	Olekar Prakash Dnyaneshwar	Taj Creations Buildtech Llp.Khandala Dist - Satara	23/01/2023 To 15/02/2023	Civil
16	Bhokare Harshal Prakash	Shree Sai Shradhanand Developers, Khandala Dist -Satara	23/01/2023 To 15/02/2023	Civil
17	Babar Rajat Ravindra	Shree Sai Shradhanand Developers, Khandala Dist -Satara	23/01/2023 To 15/02/2023	Civil
18	Jadhav Tejas Ramesh	Shree Sai Shradhanand Developers, Khandala Dist -Satara	23/01/2023 To 15/02/2023	Civil
19				Civil



	Jadhav Tejas Naresh	Vta Engineering Services , Cbd Belapur , Navi Mumbai	1/02/2023 To 15/03/2023	
20	Keskar Rohini Ravindra	Vta Engineering Services,Cbd Belapur , Navi Mumbai	1/02/2023 To 15/03/2023	Civil
21	Mane Akanksha Anant	Vta Engineering Services,Cbd Belapur , Navi Mumbai	1/02/2023 To 15/03/2023	Civil
22	Mandhare Ganesh Sanjay	Goel Ganga India Private Limited, Bundgarden Road ,Pune	15/02/2023 To 30/03/2023	Civil
23	Kanekar Aadil Abdul Wahab	S.A.Sheth Engineers & Govt.Contractors, Thane	28/02/2023 To 28/03/2023	Civil
24	Rajiwade Ketan Narayan	Sai Balaji Developers, Pune	15/01/2023 To 30/04/2023	Civil
25	Barkade Kishor Uttam	Gagan Developers, Pune	01/02/2023 To 31/05/2023	Civil
26	Achalere Baburao Shivanand	SSA Steel ,Pune	01/02/2023 To 15/03/2023	Civil
27	Bansode Rushikesh Shankar	SSA Steel ,Pune	01/02/2023 To 15/03/2023	Civil
28	Bhoite Abhijeet Kanchan	SSA Steel ,Pune	01/02/2023 To 15/03/2023	Civil
29	Bodare Kaushtub Mohan	SSA Steel ,Pune	01/02/2023 To 15/03/2023	Civil
30	Charegaonkar Pratik Shailendra	SSA Steel ,Pune	01/02/2023 To 15/03/2023	Civil
31	Pawar Makrand Sanjay	SSA Steel Pvt. Ltd., Pune	01/02/2023 To 15/03/2023	Civil
32	Gaud Mamta Satyanarayan	Rajgad Sahakari Sakhar Karkhana, Nigde, Bhor, Pune	15/02/2023 To 15/03/2023	Civil
33	Ghadge Om Sanjay	Rajgad Sahakari Sakhar Karkhana, Nigde, Bhor, Pune	15/02/2023 To 15/03/2023	Civil



34	Ghone Pritam Rohidas	Rajgad Sahakari Sakhar Karkhana, Nigde, Bhor, Pune	15/02/2023 To 15/03/2023	Civil
35	Jadhav Anil Naganath	Rajgad Sahakari Sakhar Karkhana, Nigde, Bhor, Pune	15/02/2023 To 15/03/2023	Civil
36	Jori Aditya Ram	Rajgad Sahakari Sakhar Karkhana, Nigde, Bhor, Pune	15/02/2023 To 15/03/2023	Civil
37	Pawar Prathmesh Rajendra	Rajgad Sahakari Sakhar Karkhana, Nigde, Bhor, Pune	15/02/2023 To 15/03/2023	Civil
38	Kadam Vaibhav Vikas	Anant Dudh Pvt. Ltd. , Kikavi, Pune	01/02/2023 To 01/03/2023	Civil
39	Kambale Vaibhav Tatyasaheb	Anant Dudh Pvt. Ltd. , Kikavi, Pune	01/02/2023 To 01/03/2023	Civil
40	Kasar Akash Madan	Anant Dudh Pvt. Ltd. , Kikavi, Pune	01/02/2023 To 01/03/2023	Civil
41	Lagad Rajkumar Gajanan	Anant Dudh Pvt. Ltd. , Kikavi, Pune	01/02/2023 To 01/03/2023	Civil
42	Mane Suraj Arjun	Anant Dudh Pvt. Ltd. , Kikavi, Pune	01/02/2023 To 01/03/2023	Civil
43	Pawar Dhammadip Laxman	Anant Dudh Pvt. Ltd. , Kikavi, Pune	01/02/2023 To 01/03/2023	Civil
44	Madam Pooja Satish	Shrinath Developers, At post-Gunand, Bhor, Pune	15/02/2023 To 15/03/2023	Civil
45	Matale Rushikesh Kaluram	Shrinath Developers, At post-Gunand, Bhor, Pune	15/02/2023 To 15/03/2023	Civil
46	More Sunanda Shrikant	Shrinath Developers, At post-Gunand, Bhor, Pune	15/02/2023 To 15/03/2023	Civil
47	Pangare Megha Rajendra	Shrinath Developers, At post-Gunand, Bhor, Pune	15/02/2023 To 15/03/2023	Civil
48	Pisal Sanika Arun	Shrinath Developers, At post-Gunand, Bhor, Pune	15/02/2023 To 15/03/2023	Civil
49	Pawar Avinash Santosh	Shrinath Developers, At post-Gunand, Bhor, Pune	15/02/2023 To 15/03/2023	Civil
50	Pinpratiwar Akash Babruwan	Sarvesh Construction Company, Satara	01/02/2023 To 15/03/2023	Civil
51	Relekar Aditya Arun	Sarvesh Construction Company, Satara	01/02/2023 To 15/03/2023	Civil
52	Salunkhe Shrikant Popatbhai	Sarvesh Construction Company, Satara	01/02/2023 To 15/03/2023	Civil
53		Sarvesh Construction		Civil



	Shinde Aniket Vitthal	Company, Satara	01/02/2023 To 15/03/2023	
54	Surwase Tejas Tatyasaheb	Sarvesh Construction Company, Satara	01/02/2023 To 15/03/2023	Civil
55	Thorave sonali Mahadev	Sarvesh Construction Company, Satara	01/02/2023 To 15/03/2023	Civil
56	Tupe Sandesh Ashok	Sarvesh Construction Company, Satara	01/02/2023 To 15/03/2023	Civil
57	Bahurupi Touhit Sardar	Sanjivani Enterprizes, Pune	15/02/2023 To 15/03/2023	E&TC
58	Baikar Shrutika Ashok	Xresilient & SXT IT Solutions Pune	15/02/2023 To 15/03/2023	E&TC
59	Bandal Alisha Jayendra	VCB Electronics	14/07/2023 To 14/08/2023	E&TC
60	Bhandare Pankaj Sanjay	Axiss Systems , Automation and Softare Solutions, Shindewadi Pune	24/02/2023 To 13/04/2023	E&TC
61	Chavan Aditya Dipak	M.S.K. Electricals & Electronics	15/03/2023 To 25/04/2023	E&TC
62	Dalvi Swati Shivaji	Philips GBS LLP Pune	21/01/2023 To 24/02/2023	E&TC
63	Devkar Aishwarya Chaitanyanath	Innotronix labs & Trading Pvt. Ltd. Sasewadi Tal Bhore Pune	27/03/2023 To 14/05/2023	E&TC
64	Gadhawe Ankita Sambhaji	Arete Manufacturing Services Pvt.Ltd. Pune	02/02/2023 To 25/03/2023	E&TC
65	Gadhawe Prathamesh Prashant	TARA Engineering, Pargaon Khandala	01/03/2023 To 05/04/20	E&TC
66	Gaikwad Priya Popat	VTA Engineering Services	01/03/2023 To 05/04/2023	E&TC
67	Ghadge Saurabh Dilip	Sanjivani Enterprizes, Pune	10/04/2023 To 15/05/2023	E&TC
68	Ghavare Sushant Sunil	VTA Engineering Services	01/03/2023 To 05/04/2023	E&TC
69	Jadhav Kartik Arun	Sky Connect Software & Technologies	01/03/2023 To 05/04/2023	E&TC
70	Jadhav Rohit Sanjay	IDLE Solutions Private Limited Pune	10/04/2023 To 15/05/2023	E&TC



71	Jadhav Vaibhavi Santosh	GTL Infotech Pune	25/01/2023 To 09/03/2023	E&TC
72	Jagtap Apurva Sudhakar	VCB Electronics	14/07/2023 To 14/08/2023	E&TC
73	Jagtap Manasi Arjun	EXL Service.com(india) Private Limited	21/01/2023 To 24/02/2023	E&TC
74	Kagade Amit Santosh	IDLE Solutions Private Limited Pune	10/04/2023 To 15/05/2023	E&TC
75	Khomane Shubhangi Bapu	Philips GBS LLP Pune	21/01/2023 To 24/02/2023	E&TC
76	Khopade Chaitrali Balkrushna	Kinetic Communications Ltd. Pune	21/01/2023 To 24/02/2023	E&TC
77	Khot Pratiksha Pandurang	Philips GBS LLP Pune	21/01/2023 To 25/02/2023	E&TC
78	Kiran Prakash Jujare	Philips GBS LLP Pune	21/01/2023 To 24/02/2023	E&TC
79	Konde Satwika Sanjay	Shoreline IoT India Private Limited	05/02/2023 To 10/04/2023	E&TC
80	Liman Harshada Pandurang	Chheda Electricals & Electronics Pvt. Ltd.	02/11/2022 To 23/03/2023	E&TC
81	Lohar Jayant Suryakant	IDLE Solutions Private Limited Pune	10/04/2023 To 15/05/2023	E&TC
82	Mahamuni Pooja Santosh	Philips GBS LLP Pune	21/01/2023 To 24/02/2023	E&TC
83	Mule Atharva Sunil	IDLE Solutions Private Limited Pune	10/04/2023 To 15/05/2023	E&TC
84	Mulla Moin Tajuddin	IDLE Solutions Private Limited Pune	10/04/2023 To 15/05/2023	E&TC
85	Naikar Dnyaneshwari Tanaji	GTL Infotech Pune	25/01/2023 To 09/03/2023	E&TC
86	Nevase Aaditi Mugutrav	Accurate Solutions , Pune	01/2/2023 To 27/03/2023	E&TC
87	Nigade Shweta Uttam	Cummins India Ltd Phaltan	07/03/2023 To 07/04/2023	E&TC



88	Nikam Komal Manohar	Umicore Autocat Indiaq Pvt.Ltd. Shirwal	01/04/2023 To 30/04/2023	E&TC
89	Palke Rupesh Shrikisan	Perks Links & Services Pvt.Ltd. Mumbai	01/04/2023 To 30/04/2023	E&TC
90	Pandekar Prajakta Navnath	VCB Electronics	14/07/2023 To 14/08/2023	E&TC
91	Pardeshi Atharva Manojising	Swara Enterprizes ,Wai	01/03/2023 To 05/04/20	E&TC
92	Patil Rohit Rajaram	IDLE Solutions Private Limited Pune	10/04/2023 To 15/05/2023	E&TC
93	Patil Shraddha Dilip	ioGenies Solutions LLP Bavdhan Pune	03/02/2023 To 06/04/2023	E&TC
94	Pawar Swapnita Rajabhau	GTL Infotech Pune	25/01/2023 To 09/03/2023	E&TC
95	Phadtare Shweta Anil	Swara Enterprizes ,Wai	01/03/2023 To 05/04/203	E&TC
96	Rajpure Rutuja Chandrakant	Swara Enterprizes ,Wai	01/03/2023 To 05/04/2023	E&TC
97	Raut Anuradha Jitendra	M.S.K. Electricals & Electronics	15/03/2023 To 25/04/2023	E&TC
98	Reddi Smita Lakhan	Swara Enterprizes ,Wai	01/03/2023 To 05/04/2023	E&TC
99	Renuse Pranali Bapu	India Tech Soft Pune	24/02/2023 To 13/04/2023	E&TC
100	Salunke Reshma Vilas	Kinetic Communications Ltd. Pune	21/01/2023 To 24/02/2023	E&TC
101	Salunkhe Omkar Rajaram	Sanjivani Enterprizes, Pune	01/03/2023 To 05/04/2023	E&TC
102	Sawant Ajay Rajaram	Pantech Solutions	0/04/2023 To 12/0/2023	E&TC
103	Sayyadadnan Sarfraj Patel	Philips GBS LLP Pune	21/01/2023 To 24/02/2023	E&TC
104	Shikalgar Arbaj Niyaj	M.S.K. Electricals & Electronics	15/03/2023 To 25/04/2023	E&TC



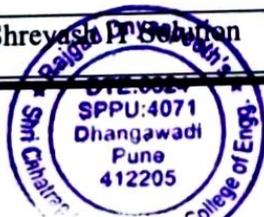
105	Shinde Siddhi Rajendra	M.S.K. Electricals & Electronics	15/03/2023 To 25/04/2023	E&TC
106	Shirke Kranti Baburao	Q.H. Talbros Pvt. Ltd Shirwal	01/02/2023 To 15/03/2023	E&TC
107	Shirodkar Rachana Vishnu	GE India Industrial Pvt Ltd Pune	13/02/2023 To 22/03/2023	E&TC
108	Swami Sangmeshwar Virbhadra	ish Infra Services Pvt.Ltd.	01/03/2023 To 31/03/2023	E&TC
109	Vaishnavi Ramdas Utekar	Xresilient & SXT IT Solutions Pune	15/02/2023 To 15/03/2023	E&TC
110	Waghmare Ajay Sanjay	Arete Manufacturing Services Pvt.Ltd. Pune	05/12/2022 To 05/02/2023	E&TC
111	Zanzane Prafulla Dharmaraj	Arete Manufacturing Services Pvt.Ltd. Pune	05/12/2022 To 05/02/2023	E&TC
112	Karan Anil Rajiwade	Core Java	04/03/2023 to 08/04/ 2023	Computer
113	Yash Pradeep Shinde	Data Analytics	02/05/2023 - 30/06/2023	Computer
114	Bhapkar Vaishnavi Dadasaheb	Easy Shiksha	11/02/2023 To 10/03/2023	Computer
115	Bhosale Sayali Pravin	Elite Softwares	17/03/2023 -04/05/2023	Computer
116	Chinchakar Giridhar Ramesh	Grow More	01/02/2023 to 01/03/2023	Computer
117	Khopade Bhagyashree Shantaram	IANT Computer Education	04/03/2023 to 08/04/2023	Computer
118	Jadhav Rupa Dattatray	IANT Institute of Advanced Network Technology	04/03/2023 to 08/04/2023	Computer
119	Vaishnavi Sharad Vedpathak	IANT Institute of Advanced Network Technology	04/03/2023 to 08/04/2023	Computer
120			24/02/2023 to 13/04/2023	Computer



	Dhamal Nikita Himmat	India Techsoft Pune		
121	Vaishnavi Santosh Danavale	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
122	Talekar Prerana Vijay	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
123	Salunke Gauri Dattatray	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
124	Yadav Rutuja Deepak	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
125	Akanksha Ashok Pawar	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
126	Malusare Shamal Mukund	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
127	Dhumal Sanika Kanhaiyalal	India Techsoft Pune	01/03/2023 to 30/04/2023	Computer
128	Salunke Gauri Dattatray	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
129	Jagtap Vaishnavi Sanjay	India Techsoft Pune	24/2/2023 to 13/04/2023	Computer
130	Dharpale Nikita Ankush	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
131	Gavhane Sanika Dashrath	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
132	Kudale Harshada Bharat	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
133	Malekar Pratiksha Sharad	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
134	Jankar Tejaswini Vijay	India Techsoft Pune	24/02/2023 to 13/04/2023	Computer
135	Prajakta Ulhas Medhekar	Internpe	27/03/2023 to 26/04/2023	Computer
136	Anuradha Mallayya Bhandari	Internpe	27/03/2023 to 26/04/2023	Computer
137		Internpe	27/03/2023 to 26/04/2023	Computer



	Sejal Sunil Dhamal			
138	Tanpure Sneha Pradip	Internpe	27/03/2023 to 26/04/2023	Computer
139	Rutuja Dattatray Bandal	Information Tech	01/02/2023 to 29/04/23	Computer
140	Deep Sandeep Shah	Kasnet Technologies Pvt Ltd	07/03/2022 - 09/04/2022	Computer
141	Shreyash Jagannath Tarade	Let's GrowMore	05/03/2023 to 05/04/2023	Computer
142	Apeksha Sanjay Vatte	OASIS Infobyte	05/03/2023 to 05/04/2023	Computer
143	Salvi Sankita Sudhakar	OASIS Infobyte	16/03/2023 to 15/04/2023	Computer
144	Shreyash Jaywant Mokashi	OASIS Infobyte	05/09/2023 To 05/10/2023	Computer
145	Kale Renuka Nivrutti	OASIS Infobyte	15/04/2023 to 15/05/2023	Computer
146	Neha Santosh Jadhav	Pantech Solutions	01/04/2023 to 30/04/2023	Computer
147	Rutuja Dattatray Bandal	Scorpy Tech, Pune	01/02/2023 to 29/04/2023	Computer
148	Gawade Nikita Mahendra	Scorpy Tech, Pune	01/02/2023 to 29/04/2023	Computer
149	Gaikwad Akshada Ajit	Scorpy Tech, Pune	01/02/2023 to 29/04/2023	Computer
150	Kamble Priyanka Shankar	Scorpy Tech, Pune	01/02/2023 to 29/04/2023	Computer
151	Ganeshkar Gayatri Anil	Scorpy Tech, Pune	01/02/2023 to 29/04/2023	Computer
152	Jagtap Sayali Sunil	Scorpy Tech, Pune	01/02/2023 to 29/04/2023	Computer
153	Shinde Rashmi Ravindra	Scorpy Tech, Pune	01/02/2023 to 29/04/2023	Computer
154	Hema Tanaji Deshmukh	Scorpy Tech, Pune	01/02/2023 to 29/04/2023	Computer
155	Badadhe Damayanti Dnyandev	Scorpy Tech, Pune	01/02/2023 to 29/04/2023	Computer
156		Shreyash Dnyandev	02/03/2023 to 02/05/2023	Computer



	Bhujbal Shravan Vijaykumar			
157	Pujari Mahesh Mandappa	Shreyash IT Solution	02/03/2023 to 02/05/2023	Computer
158	Ghodekar Suyog Bhagwan	Shreyash IT Solution	02/03/2023 to 02/05/2023	Computer
159	Bhome Akash Rajendra	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
160	Bhosale Sanket Pradip	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
161	Bhosale Suraj Dadaso	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
162	Chourasiya Darshan Rajesh	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
163	Deshmukh Sanika Parag	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
164	Deshpande Amey Chintamani	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
165	Gadhawe Rohit Sudhir	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
166	Gaikwad Sakshi Abasaheb	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
167	Jagtap Mayur Sanjay	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
168	Jamadar Asim Zhakirhusen	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
169	Salunkhe Sakshi Sandip	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
170	Bhandare Karan Sunil	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
171	Jarad Devyani Vishwas	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
172	Shreeharsh Suhas Puntambekar	Smart-Bit Info Tech	10-02-2022 to 10-04-2022	Computer
173	Katkar Yash Pramod	VIM Digitech Services Ltd	10-02-2022 to 10-04-2022	Computer
174	Kondhalkar Mangesh Shashikant	VIM Digitech Services Ltd	10-02-2022 to 10-04-2022	Computer
175	Vishwakarma Rohit	VIM Digitech Services Ltd	10-02-2022 to 10-04-2022	Computer



	Pappu			
176	Wavhal Pranav Sachin	VIM Digitech Services Ltd	10-02-2022 to 10-04-2022	Computer
177	Barge Sumit Dipak	Phaltan Garage and Service Center	21 march-10 may	Mechanical
178	Gurav Suyog Yogesh	Snehal Automotive	21 feb-21 march	Mechanical
179	Jadhav Nikita Santosh	Nipro india corporation PVT.LTD	1 dec-15 jan	Mechanical
180	Kindre Soham Jayant	S.K.Engineering	21 march-10 may	Mechanical
181	Pawar Akshay Arun	Phaltan Garage and Service Center	21 march-10 may	Mechanical
182	Pisal Sanika Naryan	Snehal Automotive	21 feb-21 march	Mechanical
183	Shaikh Adil Musta	Wai Engineering works	28 april-30 may	Mechanical
184	Tanpure Kunal Chandrakant	S.K.Engineering	21 march-10 may	Mechanical
185	Tanpure Tejas Sandip	S.K.Engineering	21 march-10 may	Mechanical
186	Bhalerao Pramodkumar Prabhakar	Shravani Enterprises	1 dec-15 jan	Mechanical
187	Jadhav Omkar Popat	TATA Cummins PVT LTD	25 march- 25 may	Mechanical
188	Khaire Saurabh Popat	S.K.Engineering	21 march-10 may	Mechanical
189	Kokare Ajay Kamlakar	TATA Cummins PVT LTD	25 march- 25 may	Mechanical
190	Kokare Ankush Salu	TATA Cummins PVT LTD	28 april-30 may	Mechanical
191	Kulkarni Sanket Sunil	KSB Pumps Company	2 jan-15 feb	Mechanical
192	Kumbhar Deep Laxman	E CADD	1 dec-15 jan	Mechanical
193	Tejas ashok Pol	TOOL ROOM AND ENGINEERING SERVICES	1 jan-12 feb	Mechanical
194	Kurade Abhijit Babu	KSB Pumps Company	2 jan-15 feb	Mechanical
195	Rajane Nikhil Laxman	Snehal Automotive	21 feb-21 march	Mechanical



196	Patel Vikas Ramakant	BOSCH	20 dec-28 feb	Mechanical
197	Suryawanshi Ajay Bhausahab	S.K.Engineering	21 march-10 may	Mechanical
198	Nanaware Ashish Arun	TATA Cummins PVT LTD	25 march-25 may	Mechanical
199	Nimbalkar Pratik Ramesh	TATA Cummins PVT LTD	25 march-25 may	Mechanical
200	Newase Siddhesh Sanjay	HY-Tech Engineers LTD.	21 march-10 may	Mechanical
201	Raut Shubham Rohidas	Wai Engineering works	28 april-30 may	Mechanical
202	Shinde Shreyash Anil	Wai Engineering works	28 april-30 may	Mechanical
203	Sangle Omkar Dattatrya	AUTO CAD	19 feb-19 april	Mechanical
204	Sonkamble Niraj Pirappa	AUTO CAD	19 feb-19 april	Mechanical



(Signature)

Prof. Dr. S. B. Patil
Principal

Rajgad Dnyanpeeth Technical Campus
Shri Chhatrapati Shivaji College of Engineering
Dhangawadi, Tal. Bhor, Dist. Pune-412 205



M/s.

SARVESH CONSTRUCTION COMPANY

ENGINEERS & GOVT. CONTRACTORS

A. A. Pawar

H.O. :At Padmavati. Post - Bhuij , Tai Wai, Dist Satara. ☎ : (02167) 285371

Branch Office: "BASERA" ITI Road, Near P & T Colony, Dist. ShivajiNagar, Dist Ratnagiri ☎ : 02352) 225521

Date: 15/03/2023

TO WHOM IT MAY CONCERN

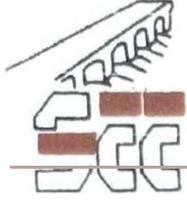
This is to certify that **Mrs.PINPATRIWAR AKASH BABRUWAN**, a student of Department of Civil Engineering, Rajgad Dnyanpeeth Technical Campus, Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune has successfully completed 45 days (From 01/02/2023 to 15/03/2023) Internship program on our project site. During the period of her internship program with us she was found punctual, hardworking and inquisitive.

We wish her every success in life.

Sarvesh Construction Company

Proprietor

(Authorized Signature)



SARVESH

M/s.

CONSTR CONSTRUCTION COMPANY

ENGINEERS & GOVT. CONTRACTORS

A. A. Pawar

H.O. :At Padmavati. Post - Bhuinj , Tai Wai, Dist Satara. ☎ : (02167) 285371

Branch Office: "BASERA" ITI Road, Near P & T Col ony, Dist. ShivajiNagar, Dist Ratnagiri ☎ : 02352) 225521

Date: 15/03/2023

TO WHOM IT MAY CONCERN

This is to certify that **Mr. RELEKAR ADITYA ARUN**, a student of Department of Civil Engineering, Rajgad Dnyanpeeth Technical Campus, Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune has successfully completed 45days(From 01/02/2023 to 15/03/2023) Internship program on our project site. During the period of her internship program with us she was found punctual, hardworking and inquisitive.

We wish her every success in life.

Sarvesh Construction Company

Proprietor

(Authorized Signature)

CERTIFICATE

of Completion



This certificate is presented to

Kondhalkar Mangesh Shashikant



for his successful completion of a 6 month hands-on course on **Data Base Organization and Management** at **Vim Digitech Services LLP, Pune**. from 10 Feb 2022 to 10 April 2022
He has managed to successfully showcase his excellent work ethic, team player skill, promptness, organization and attention to detail.

Director

CERTIFICATE

of Completion



This certificate is presented to

Katkar Yash Pramod



for his successful completion of a 6 month hands-on course on **Data Base Organization and Management** at **Vim Digitech Services LLP, Pune**. from 10 Feb 2022 to 10 April 2022
He has managed to successfully showcase his excellent work ethic, team player skill, promptness, organization and attention to detail.

Director

CERTIFICATE

of Completion



This certificate is presented to

Vishwakarma Rohit Pappu



for his successful completion of a 6 month hands-on course on **Data Base Organization and Management** at **Vim Digitech Services LLP, Pune**. from 10 Feb 2022 to 10 April 2022
He has managed to successfully showcase his excellent work ethic, team player skill, promptness, organization and attention to detail.

Director

CERTIFICATE

of Completion



This certificate is presented to

Wavhal Pranav Sachin



for his successful completion of a 6 month hands-on course on **Data Base Organization and Management** at **Vim Digitech Services LLP, Pune**. from 10 Feb 2022 to 10 April 2022
He has managed to successfully showcase his excellent work ethic, team player skill, promptness, organization and attention to detail.

Director

CERTIFICATE NO : CERT_6QFZNBMG

CIN NO : U80900TN2012PTC085936

PANTECH SOLUTIONS
The Power of the Dream

CERTIFICATE OF INTERNSHIP

This is to certify that
AJAY RAJARAM SAWANT

has successfully completed
INTERNSHIP ON EMBEDDED C PROGRAMMING

at Pantech Prolabs India Pvt Ltd

12-05-2023
DATE
OF ISSUE



M.K. JEEVARAJAN

DIRECTOR

PANTECH SOLUTIONS

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www.brc.com
ID: BT0634480



Date : 14 Aug. 2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Miss. Alisha jayendra Bandal** had been In the Internship with
VCB Electronics Private Limited From 14 July. 2022 to 14 Aug. 2022

We found she has sincere, hardworking, technically sound and result oriented during
her tenure

We wish success in her future endeavors.

For VCB Electronics Private Limited


B.S. Brosale
(Director)



VCB Electronics Pvt. Ltd.

Gat No. 760, Khed Shivapur, Tal.: Haveli, Dist.: Pune - 412205.

Phone : +91 20 66702000 E-mail : vcbmarketing@vcbelec.com, vcbpurchase@vcbelec.com



PHALTAN GARAGE AND SERVICING CENTRE

A/P . SHIRWAL , TAL . KHANDALA , DIST . SATARA - 412801

MOBILE NO. :- 9850749594

E-MAIL :- phaltangarage1307@gmail.com

10th May 2023

CERTIFICATE

This is to certify that **Mr. Pawar Akshay Arun** from Rajgad Dnyanpeeths Technical Campus Dhangawadi, has Successfully completed internship in our organisation from 21th March 2023. To 10th May 2023. The study of his internship was Mechanical Repairing of Cars.

We wish him all the best for his future endeavours.

For **PHALTAN GARAGE AND SERVICING CENTRE,**



Mr. Barge Dipak Siddhanath
(Proprietor)



PHALTAN GARAGE AND SERVICING CENTRE

A/P . SHIRWAL , TAL . KHANDALA , DIST . SATARA - 412801

MOBILE NO. :- 9850749594

E-MAIL :- phaltangarage1307@gmail.com

10th May 2023

CERTIFICATE

This is to certify that **Mr. Barge Sumit Dipak** from Rajgad Dnyanpeeths Technical Campus Dhangawadi, has Successfully completed internship in our organisation from 21th March 2023. To 10th May 2023. The study of his internship was Mechanical Repairing of Cars.

We wish him all the best for his future endeavours.

For **PHALTAN GARAGE AND SERVICING CENTRE,**



Mr. Barge Dipak Siddhanath
(Proprietor)



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

MOU with Institute/Industries

A. Y. 2022-2023

S.No	Name of industry/ Company Research Institute / Partnering Institution	Date of Commencement	Name Of Department	Duration
1	SSA Steel Pvt. Ltd., Pune	15/07/2020	Civil	5 Years
2	Rajgad Sahakari Sakhar Karkhana, Nigde, Bhor, Pune	15/03/2013	Civil	10 Years
3	Anant Dudh Pvt. Ltd. , Kikavi, Pune	10/04/2013	Civil	10 Years
4	Sarvesh Construction Company, Satara	05/01/2016	Civil	10 Years
5	ECADD Computer Institute, Bhor, Pune	17/07/2021	Civil	10 Years
6	Shrinath Developers, At post-Gunand, Bhor, Pune	15/06/2021	Civil	5 Years
7	VA-Computer Institute, Bhor, Pune	15/06/2021	Civil	5 Years
8	Karmyogi College of Engineering,	15/07/2016	Civil	10 Years



	Shelve, Taluka Pandharpur, Dist Solapur, Pin- 413304			
9	Constrotrait Material Testing & Services LLP, Songirwadi Wai, Tal-Wai,Dist-Satara	01/02/2023	Civil	10 Years
10	Matruchhaya Construction Karvenagar, Pune	01/12/2022	Civil	10 Years
11	Vastu Tech Construction and Vastushastra, Bhor, Pune	02/12/2023	Civil	10 Years
12	Microdynamic Software Pvt. Ltd., Pune	10-07-2017	Computer	5 Years
13	Genius World Centre Pvt. Ltd.	08-08-2016	Computer	10 Years
14	Web Minds IT Solutions, Pune	20-10-2020	Computer	5 Years
15	L & D Infotech Pvt. Ltd.,Pune.	17-12-2021	Computer	5 Years
16	Petronix Technologies Pvt. Ltd., Pune.	03-03-2022	Computer	5 Years
17	Speciality Sintered products Pvt Ltd.	20/12/2014	Mechanical	10 Years
18	Saturn Rings & Forgings Pvt Ltd.	01/12/2020	Mechanical	05 Years
19	High Power Engineering Co.Pvt.Ltd.	04/01/2019	Mechanical	05 Years
20	TestBook Edu Solution Pvt. Ltd.	20/08/2022	E&TC	01 Year
21	Udya Gujar Foundation	12/01/2023	E&TC	10 Years



22	Go-Green Technologies Pvt.Ltd.	26/04/2023	E&TC	10 years
23	KDN Infotech Pvt.Ltd & V And K Softtech Solution Pvt. Ltd.	1/4/2023	E&TC	05Years
24	Swara Enterprises, Ratnagiri	1/05/2020	E&TC	10Years



(Signature)

Prof. Dr. S. B. Patil
Principal

Rajgad Dnyapeeth Technical Campus
Shri Chhatrapati Shivajiraje College of Engineering
Dhangawadi, Tal. Bhor, Dist. Pune-412 205

MEMORANDUM OF UNDERSTANDING

Between

**Rajgad Dyanpeeth's Technical Campus
Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune
Department of Civil Engineering**



AND

**Vastu Tech,
Construction and Vastushastra,
Bhor, Pune, Maharashtra -412206**



Ref No. RD/SCS(COE/Civil)/2022-23/113

Date: 2/12/2022

PREAMBLE:

RDTTC is established in year 2009 in order to achieve excellence of students in the field of science and technology. It is approved by AICTE, New Delhi and Government of Maharashtra and is affiliated to the Savitribai Phule Pune University.

The Institutes have state of the art infrastructure appropriate to conduct engineering education. RDTTC'S SCSCOE runs 04 UG programs. The Department of Civil Engineering of RDTTC's SCSCOE Dhangawadi, Bhore is established in 2009 with an intake of 60 students. It has experienced faculty Engaged in teaching and research. Laboratories of all the departments are well equipped with modern equipment's and experimental setups. Besides conventional teaching, college puts special emphasis on ebased learning, subject-oriented advanced inputs.

The goal of the Civil Engineering Department is to train the students to face the challenges of ever changing technology and maintaining high ethical and moral standards. The departmental advisory committees consisting of well-known academicians and experts from industry guide the departments in their academic activities. The students' chapters established in the departments provide professional touch to the education. The department organizes the workshops and seminars on advance technology for the UG students.

The Agreement is signed between,

Whereas, Rajgad Dnyanpeeth Technical Campus, Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Tal: Bhore, Dist: Pune, Maharashtra 412206, (Hence forth referred as **Party 1**)

AND

Whereas, Vastu Tech ,Civil Engg & Vastu Expert, Bhore, Pune, Maharashtra -412206, (**Hence forth referred as Party 2**)

Whereas, both party no. 1 and party no. 2 are interested to develop the knowledge of advances in concrete technology in all respect at student's study level, which are helpful personally to students and future quality improvement.

Whereas, both parties have decided to agree to establish industry-academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding (MOU).



Objective of MOU:

1. To strengthen the industry-institute interaction to provide high quality and up to date technology supports and value added programs to the Engineering students, Masons and Contractors practicing on sites.
2. To establish common platform between Company and Institute to plan and execute activities for the development of Industrial Institute interaction.
3. Planning and utilizing resource like staff and infrastructure for joint R&D works, industry based joint consultancy work.
4. Sharing of latest Technical trends in Educational and Industrial field.
5. To get exposure and training to student under the supervision of industry experts.
6. To get access of the trained engineers.

AGREEMENTS OF MOU:

Both Party 1 and Party 2 shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements.

1. Party 2 - shall share their knowledge and experience by way of joint conferences and seminars/workshops.
2. Party 2 - agrees to provide all documents like brochures, leaflets, CD, DVD and their devices (computer etc.) including lecturers, skilled staff, helping staff, for above activity.
3. Party 1 - agrees to provide audio-visual projector and screen facility and appropriate seminar hall, inclusive of required electrical devices and supply system etc.
4. Party 2 - agrees to provide material and tool tackles, which are necessary for demo, and practical.
5. Party 2 - agrees to conduct above mentioned programs in campus of Rajgad Dnyanpeeth Technical Campus, Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Tal: Bhor, Dist: Pune, Maharashtra 412206.
6. Party 1 - agrees to provide open space, covered space, electricity, water, and washroom facilities as per requirements and institutional working days and time.
7. Party 2- may seek assistance/guidance of Party 1 faculty members in technical or any trouble shoot issues.

FINANCIAL ARRANGEMENTS:

1. The collaborative program between Party 1 and Party 2 shall be coordinated by a coordination committee appointed by Directors of both Institute (Parties).
2. Financial arrangements for each specific collaboration will be decided on case to case basis and brought on record in each case after due approval from heads of both institutions (Parties).



INTELLECTUAL PROPERTY RIGHTS:

Rights regarding publications, patents, royalty, ownership of software/design/product developed under scope of MOU shall be decided by two parties by mutual consent.

CONFIDENTIALITY:

Both the parties agree to hold in confidence all information/data which is obtained from either side or created during the performance of MOU and will not disclose the same to any third party without written consent of other side.

COORDINATORS:

Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

DURATION OF MOU:

This MOU will take effect from the date it is signed by the representatives of the parties, This MOU is binding on both parties for the duration of Ten academic year, 2021-22, 2022-23, 2023-24, 2024-25, 2025-26, 2026-27, 2027-28, 2028-29, 2029-2030, 2031-2032.

Either party may terminate the MOU by giving 1 month's written advance notice to the other party, once terminated neither Party 1 or Party 2 will be responsible for any losses, financial or otherwise, which the other party may suffer. This MOU is signed subjective approval of representatives of both the parties' academic/administrative bodies.

SCHEDULE FOR ACTIVITIES:

Various activities to achieve the objectives of MOU mentioned, will be conducted as per mutual convenience of both parties with minimum 15 days of advance planning.





Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra and Affiliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engr./376/2009), DTE CODE: EN6324, AISHE CODE : C-41588



Since - 1972

Anantrao Thopte
Founder President, Ex. Edu. Minister

Sangram Thopte
MLA, Executive President

Dr. Bhagyashri Patil
Hon. Secretary

Dr. S. B. Patil
Principal

Memorandum of Understanding between RD's SCSCOE & Patronix Technologies Pvt. Ltd. Pune

This Memorandum of Understanding (hereinafter referred to as "MoU") is entered into on this date 03/03/2022

Between:

Patronix Technologies Pvt. Ltd. Pune Magarpatta Rd, Amanora Park Town, Hadapsar, Pune, Maharashtra 411028.

And

RD's Shri Chhatrapati Shivajiraje College of Engineering-Bhor, Dist—Pune, Maharashtra, (hereinafter referred to as "The College") an institution of higher learning founded in 2009 Affiliated to Savitribai Phule Pune University's Approved by AICTE, New Delhi.

The College and The Industry shall be collectively referred to as "The Parties"

In furtherance of their mutual interest in improvement of Academics, Technical Enhancements and Improvising Employability Skills of the students as a contribution to the Social and Economic development of the region, The Parties mentioned above hereby agree to and adopt the following Memorandum of Understanding.

Article 1: The Purpose of the Agreement

The Parties are committed to enhancement of academic skills of the students of the college, educational excellence, collaborative work, intellectual freedom and equality of educational and employment opportunities.

Some broad goals of this MoU are:

1. Take into consideration the aspects of the subject required by the industries for possible future inclusion in the curricula
2. Enhance the understanding of the students through field experience
3. Make students independent and responsible towards learning and social inclination
4. Build a network of learning community & Industries.

Article 2: General Activities and Services

The Parties will voluntarily undertake the following:

1. Create scope for curriculum development and enrichment
2. Encourage joint research activities
3. Extension Activities and dissemination of new knowledge





Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra and Affiliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engg./376/2009), DTE CODE: EN6324, AISHE CODE : C-41588



Anantrao Thopte
Founder President, Ex. Edu. Minister

Sangram Thopte
MLA, Executive President

Dr. Bhagyashri Patil
Hon. Secretary

Dr. S. B. Patil
Principal

Article 3: Patronix Technologies Pvt. Ltd. Pune Magarpatta Rd, Amanora Park Town, Hadapsar, Pune, Maharashtra 411028

Following are the roles identified

1. Provide opportunities for students and faculty members to upgrade their skills in allied industries.
2. Grant access to the industry its facilities as and when required with prior approval
3. Voluntarily Support research efforts in exploring new ideas.
4. Initiate and support exchange of human resource on case to case basis.

Article 4: Role of the College

Following are the roles identified for The College

1. Provide academic support to the Industry.
2. Provide assistance in the form of student interns as and when required.
3. Support and promote employees to pursue their higher education.
4. Initiate and support exchange of human resource on case to case basis.

Article 5: Duration and Termination of MoU

This MoU shall remain in force for a period of ten years commencing from the date of signing of this document. The Parties reserve the right to terminate this MoU by either party giving one month written notice to the other. Where such termination occurs, the provisions of this Memorandum shall continue to apply to ongoing activities until their completion.

Article 6: Amendments

Amendments to this MoU must be in writing and approved by the designated representatives of each party. The terms / clauses / articles in this MoU can be reviewed by mutual consent by serving one month written notice to the other party. New or amended terms / clauses / articles may be agreed as part of a renewed MoU.

Article 7: Statement of Intent

Nothing in this MoU shall be construed to as creating any legal relationships between The Parties. This MoU is a statement of intent to foster genuine and mutually beneficial collaboration.


Patronix Technologies Pvt. Ltd. Pune

Director
Authorized Sign & Seal





Authorized Sign & Seal

Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engg.,
Dhangawadi, Pune-412206





Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra and Affiliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engg./376/2009), DTE CODE: EN6324, AISHE CODE : C-41588



Since - 1972

Anantrao Thopte
Founder President, Ex. Edu. Minister

Sangram Thopte
MLA, Executive President

Sau. Swarupa S. Thopte
Hon. Secretary

Dr. S. B. Patil
Principal

Memorandum of Understanding Between RD's-SCSCOE (Rajgad Dnyanpeeth Technical Campus) & TESTBOOK EDU SOLUTIONS PVT. LTD.

This Memorandum of Understanding (hereinafter referred to as "MoU") is entered into on this day **Saturday** and date **20th August, 2022**.

Between:

RD's-Shri Chhatrapati Shivajiraje College of Engineering-Bhor, Dist—Pune, Maharashtra, (hereinafter referred to as "**The College**") an institution of higher learning founded in 2009 Affiliated to **Savitribai Phule Pune University's** Approved by AICTE, New Delhi.

And

Testbook Edu Solutions Pvt. Ltd. 1st and 2nd Floor, Zion Building, Plot no. 273, Sector No. 10, Kharghar, Navi Mumbai, Raigarh, Maharashtra – 410210 (PAN: AASCS8515R and CIN: U72200MH2013PTC241118),
(Hereinafter referred to as "**Skill Academy**")

The College and Skill Academy shall be collectively referred to as "**The Parties**"

In furtherance of their mutual interest in improvement of Academics, Technical Enhancements and Improvising Employability Skills of the students as a contribution to the Social and Economic development of the region, The Parties mentioned above hereby agree to and adopt the following Memorandum of Understanding.

Article 1: The Purpose of the Agreement

The Parties are committed to enhancement of academic skills of the students of the college, educational excellence, collaborative work, intellectual freedom and equality of educational and employment opportunities.

Some broad goals of this MoU are:

1. Take into consideration the aspects of the subject required by the industries for possible future inclusion in the curriculum.
2. Enhance the understanding of the students through field experience
3. Make students independent and responsible towards learning and social inclination.
4. Build a network of learning community & Industries.





Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra and Affiliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engg./376/2009), DTE CODE: EN6324, AISHE CODE : C-41588



Anantrao Thopte
Founder President, Ex. Edu. Minister

Sangram Thopte
MLA, Executive President

Sau. Swarupa S. Thopte
Hon. Secretary

Dr. S. B. Patil
Principal

Article 2: General Activities and Services

The Parties will voluntarily undertake the following:

1. Create scope for curriculum development and enrichment.
2. Encourage joint research activities.
3. Extension Activities and dissemination of new knowledge.

Article 3: Role of the College

Following are the roles identified for The College:

1. Provide academic support to the Industry.
2. Provide assistance in the form of student interns as and when required.
3. Support and promote employees to pursue their higher education.
4. Initiate and support exchange of human resource on case to case basis.
5. To spread the awareness about the benefits of Skill Academy Camp.
6. To help Skill Academy Team in promoting various Live Sessions, Skills Boot camps, Aptitude Tests, etc among college students

Article 4: Role of Skill Academy.

Following are the roles identified for Skill Academy:

1. Provide opportunities for students and faculty members to upgrade their skills in allied industries. Chance to get internships & full-time job opportunities through various competition.
2. Grant access to the industry its facilities as and when required with prior approval.
3. Voluntarily Support research efforts in exploring new ideas.
4. Initiate and support exchange of human resource on case to case basis.
5. Complete Preparation for Job & Internship- - Activities for a period of 1 year which would include Live Aptitude Tests & Company Specific Mock Tests.

Article 5: Duration and Termination of MoU

This MoU shall remain in force for a period of one year commencing from the date of signing of this document. The Parties reserve the right to terminate this MoU by either party giving one month written notice to the other. Where such termination occurs, the provisions of this Memorandum shall continue to apply to ongoing activities until their completion.

Article 6: Amendments

Amendments to this MoU must be in writing and approved by the designated representatives of each party. The terms / clauses / articles in this MoU can be reviewed by mutual consent by serving one month written notice to the other party. New or amended terms / clauses / articles may be agreed as part of a renewed MoU.





Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra and Affiliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engg./376/2009), DTE CODE: EN6324, AISHE CODE : C-41588



Anantrao Thopte
Founder President, Ex. Edu. Minister

Sangram Thopte
MLA, Executive President

Sau. Swarupa S. Thopte
Hon. Secretary

Dr. S. B. Patil
Principal

Article 7: Statement of Intent

Nothing in this MoU shall be construed to as creating any legal relationships between The Parties. This MoU is a statement of intent to foster genuine and mutually beneficial collaboration.

Agreed & Accepted;

For and behalf of,



Rajgad Dnyanpeeth's,
Shri Chhatrapati Shivajiraje College of Engineering.
Dhangawadi, Tal-Bhor,
District-Pune-412206,
Maharashtra,

Signature:

Prof. Dr. S.B. Patil

Designation: Principal- RD's SCSCOE.

Dated: 20/08/2022.

Principal
Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering
Dhangawadi, Pune-412206



For and behalf of,

skill
academy
by testbook

Testbook Edu Solutions Pvt. Ltd.
("Skill Academy ") 1st and 2nd Floor,
Zion Building, Plot no. 273, Sector No.
10, Kharghar, Navi Mumbai, Raigarh,
Maharashtra – 410210
(PAN: AASCS8515R ,
CIN: U72200MH2013PTC241118)

Signature:

Mr. Ashutosh Kumar.

Designation: CEO,

Dated: 29/08/2022.



Memorandum of Understanding (MoU)

Between

**RD's Shri Chhatrapati Shivajiraje
College of Engineering, Bhor, Pune.**

and

Skill Academy by Testbook

August 19, 2022



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MoU ") is entered into as of **August 19, 2022** (the "Execution Date") by and between, RD's Shri Chhatrapati Shivajiraje College of Engineering, Bhore, Pune., (hereinafter referred to as "RD's SCSCOE"

AND

Testbook Edu Solutions Pvt. Ltd. (PAN: AASCS8515R and CIN: U72200MH2013PTC241118), a private limited company incorporated under the Companies Act, 1956, engaged in providing online educational courses to students, having its registered office at 1st and 2nd Floor, Zion Building, Plot no. 273, Sector No. 10, Kharghar, Navi Mumbai, Raigarh, Maharashtra - 410210 (hereinafter referred to as "**Skill Academy** ", which expression shall unless repugnant to the context or meaning thereto shall mean and include its successors and permitted assigns) represented herein by its Director, Mr. Ashutosh Kumar, duly authorized by its board of directors vide resolution dated 16th November 2019.

"Parties

WHEREAS:

A. Skill Academy will provide its services under **Skill Academy Campus Program** for use by RD's SCSCOE in respect of "End Users" (all students who are presently enrolled in any program with the institution), in accordance with the terms and conditions set out herein.

B. Pursuant to the foregoing, the Parties have agreed to enter into this MoU to set forth the terms and conditions of their arrangement in the following sections.

As a part of this MoU, both the parties have identified and hereto agree to the following responsibilities respectively:

1. RESPONSIBILITIES

1.1 Responsibilities of Skill Academy

A. Skill Academy with the help of RD's SCSCOE shall get all the willing students of RD's SCSCOE to register in the Skill Academy Camp with email ID & contact number to avail the services & benefits

B. There will be no financial implications involved between Skill Academy and RD's SCSCOE

during the "Term" (defined hereafter) of this MoU, the end-users will get the following benefits under Skill Academy Camp.

- Complete Preparation for Job & Internship - Activities for a period of 1 year which would include Live Aptitude Tests & Company Specific Mock Tests.
- Live Bootcamp from Top Industry Experts (Minimum of 25)
- Free Access to all the content under Testbook Pass for a period of 1 month
- Chance to get internships & full-time job opportunities through various competitions.

TESTBOOK EDU SOLUTIONS PVT. LTD.

1st & 2nd Floor, Zion Building, Plot No. 273, Sector - 10, Kharghar, Navi Mumbai - 410210

CIN: U72200MH2013PTC241118



C. **Campus Performance Dashboard** which will provide real-time performance analytics of student engagement & performance to college management. Performance of those students will only be included who register in the Skill Academy Camp with the help of Campus Representative

1.2 Responsibilities of RD's SCSCOE

- A. To spread the awareness about the benefits of Skill Academy Camp among college students through all means possible in the capacity of college management like Issuing Notice, email, SMS, Whatsapp, Facebook, LinkedIn, etc
- B. To help Skill Academy Team in promoting various Live Sessions, Skills Bootcamps, Aptitude Tests, etc among college students through all means possible so that a maximum number of students can be benefitted.
- C. Facilitate in forming a Whatsapp Group with Placement Cell Representative and Skill Academy team which would act as a common point of interaction/communication

2. Other provisions:

- A. This MoU shall be valid for an initial period of 1 (one) year from the Execution Date ("Term ") unless terminated earlier by Parties.
- B. Skill Academy shall keep all the data collected from the students confidential and shall NOT share/disclose to anyone in any form whatsoever without prior written permission from the students. Skill Academy also agrees that the data collected shall be used for the purpose envisaged in this MoU and not for any other purpose.

AGREED AND ACCEPTED:

For and on behalf of RD's Shri Chhatrapati Shivajiraje College of Engineering, Bhore,Pune.

Signature

Name:

Dr. S. B. Patil

Title:

Principal

Date:

29/08/2022

Director Name & Email Id:

Principal
Rajgad Dnyanesh's
Shri Chhatrapati Shivajiraje College of Engg.,
Dhangawadi, Pune-412206
principal@rajgad.edu.in



For and on behalf of Skill Academy by

TESTBOOK EDU SOLUTIONS PVT LTD

Signature

Name : Ashutosh Kumar

Title : CEO

Date:

TESTBOOK EDU SOLUTIONS PVT. LTD.

1st & 2nd Floor, Zion Building, Plot No. 273, Sector - 10, Kharghar, Navi Mumbai - 410210

CIN: U72200MH2013PTC241118

MoU
between
High Power Engineering
Co. Pvt. Ltd.
&
RD's SCSCOE

**Memorandum of Understanding between High Power Engineering
CO. Private Limited
&
RD's SCSCOE**

This Memorandum of Understanding (hereinafter referred to as "MoU") is entered into on this date 14th June 2014.

Between:

High Power Engineering CO. Private Limited, Gate No. 1117/1121 Khandala, Shirwal, Maharashtra 412801 (hereinafter referred to as "The Industry")

And

RD's Shri Chhatrapati Shivajiraje College of Engineering-Bhor, Dist—Pune, Maharashtra, (hereinafter referred to as "The College") an institution of higher learning founded in 2009 Affiliated to **Savitribai Phule Pune University's Approved by AICTE, New Delhi.**

The College and The Industry shall be collectively referred to as "The Parties"

In furtherance of their mutual interest in improvement of Academics, Technical Enhancements and Improvising Employability Skills of the students as a contribution to the Social and Economic development of the region, The Parties mentioned above hereby agree to and adopt the following Memorandum of Understanding.

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Some broad goals of this MoU are:

1. Take into consideration the aspects of the subject required by the industries for possible future inclusion in the curricula
2. Enhance the understanding of the students through field experience
3. Make students independent and responsible towards learning and social inclination
4. Build a network of learning community & Industries.

Article 2: General Activities and Services

The Parties will voluntarily undertake the following:

1. Create scope for curriculum development and enrichment
2. Encourage joint research activities

3. Extension Activities and dissemination of new knowledge

Registered / Marketing Office :
Office No. 102, Kumar Vastu Building,
Rangehill Road, Pune - 411 007
Ph No.: (020) 25561620, +91 9822910121
E-mail : sgpmktg15@gmail.com
CIN No. : U34300MH1996PTC102922

Works / Accounts Office :

Gat No. 1117 / 1121, Shirwal, Tal. Khandala,
Dist. Satara - 412 801, Maharashtra (India)
Ph No.: (02169) 244608, +91 9881064375, +91 9822910122
E-mail : highpowerco@gmail.com
Web : www.highpowerco.com

Article 3: Hi Power Engineering CO. Private Limited, Khandala, Shirwal, Maharashtra

Following are the roles identified

1. Provide opportunities for students and faculty members to upgrade their skills in allied industries.
2. Grant access to the industry its facilities as and when required with prior approval
3. Voluntarily Support research efforts in exploring new ideas.
4. Initiate and support exchange of human resource on case to case basis.

Article 4: Role of the College

Following are the roles identified for The College

1. Provide academic support to the Industry.
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Article 5: Duration and Termination of MoU

This MoU shall remain in force for a period of ten years commencing from the date of signing of this document. The Parties reserve the right to terminate this MoU by either party giving one month written notice to the other. Where such termination occurs, the provisions of this Memorandum shall continue to apply to ongoing activities until their completion.

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Article 7: Statement of Intent

Nothing in this MoU shall be construed to as creating any legal relationships between The Parties. This MoU is a statement of intent to foster genuine and mutually beneficial collaboration.

Authorized Sign & Seal



R.K. Khandagle
Authorized Sign & Seal
Principal

Rajgad Dnyanpeeth's
Shri Chhatrapati Shivaji College of Engg.,
Dhangawadi, Pune-412206

Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, Govt of Maharashtra and Affiliated to the University of Pune (ID NO PU/PN/Engg/376/2009)

Dr. Bhagyashree s. Patil
Hon. secretary

Anantrao Thopte
Founder President
Ex. Education Minister
Maharashtra State



Memorandum of Understanding between RD's SCSCOE & High Power Engineering CO. Private Limited

This Memorandum of Understanding (hereinafter referred to as "MoU") is entered into on this date i.e. 14th June 2014

Between:

RD's-Shri Chhatrapati Shivajiraje College of Engineering-Bhor, Dist—Pune, Maharashtra, (hereinafter referred to as "The College") an institution of higher learning founded in 2009 Affiliated to Savitribai Phule Pune University's Approved by AICTE, New Delhi.

And

High Power Engineering CO. Private Limited, Gate No. 1117/1121 Khandala, Shirwal, Maharashtra 412801 (here in after referred to as "The Industry")

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Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, Govt of Maharashtra and Affiliated to the University of Pune (ID NO PU/PN/Engg/376/2009)

Dr. Bhagyashree s. Patil
Hon. secretary

Anantrao Thopte
Founder President
Ex. Education Minister
Maharashtra State



Article 3: Role of the College

Following are the roles identified for The College

1. Provide academic support to the Industry.
2. Provide assistance in the form of student interns as and when required.
3. Support and promote employees to pursue their higher education.
4. Initiate and support exchange of human resource on case to case basis.

Article 4: High Power Engineering CO. Private Limited, Khandala, Shirwal, Maharashtra

Following are the roles identified

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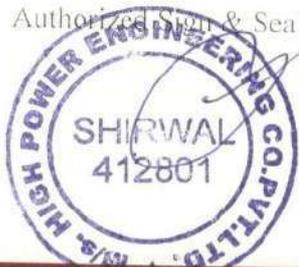
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Article 7: Statement of Intent

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Authorized Sign & Seal



Authorized Sign & Seal

Principal

Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engg.
Dhangawadi, Pune-412206



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

Criterion 2 – Teaching Learning & Evaluation

Key Indicator – 2.3.1 Teaching and Learning

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

Student Participation in Paper Publication A.Y 2022-23

Dept	Name of student	Title of Paper	Name of Event	Date of Event	Level State/ National/ International
E&TC	1.Rutuja Babar 2.Archana Patil 3.Tejas Dudhane	Ask Me Display Board using Raspberry Pi	Journal of Emerging Technologies and innovative Research (JETIR)	April 2023	International
E&TC	1.Ayush A. Parwadi 2. Vishal Malavi 3.Pratik Sutar	Wireless Air& Sound Monitoring system using NodeMcu826	International Journal of Innovation Research in Science, Engineering and Technology (IJIRSET)	May 2023	International
E&TC	1.Poonam Devkar 2.Komal Walhekar 3.Payal Kanse	IOT Based Attendance Monitoring System using RFID	Journal of Emerging Technologies and innovative Research(JETIR)	April 2023	International



E& TC	1.Pawar Rushikesh 2.Tavare Shubham 3.Khomane Sagar	Smart Agriculture Irrigation System	Journal of Emerging Technologies and innovative Research(JETIR)	May 2023	International
E& TC	1.Shabdashree Sutar 2.Sameer Deshmukh	IOT based smart glasses that can read book	Journal of Emerging Technologies and innovative Research(JETIR)	May 2023	International
E& TC	1.Bhagyasshri Shendage 2.Mahendra Metil 3.Umesh Kokate	Smart GreenHouse using IOT	International Journal of Innovation Research in Science, Engineering and Technology (IJIRSET)	May 2023	International
E& TC	1.Ketan More 2.Pooja Kondhalkar 3.Aniket Jadhav	IOT based IV bag monitoring & alert system	Journal of Emerging Technologies and innovative Research(JETIR)	May 2023	International
E& TC	1. Sharukh Shaikh 2.Mahesh More 3. Dhiraj Kadam	Voice Activated Home Automation System using NODEMCU 8266	Journal of Emerging Technologies and innovative Research(JETIR)	May 2023	International
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Ask Me Display Board using Raspberry pi

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Abstract: The "Ask Me" display board is a project that involves using a Raspberry Pi to display messages, audio, and LED lights to provide information to people in public places such as libraries, museums, and hospitals. The display board has a touch screen interface that allows users to select the information they need. The audio output provides additional information to people with visual impairments. The LED display output have the ability to provide additional visual cues. The project involves programming the Raspberry Pi to display information in real-time, in addition interfacing with LED displays and audio components. The "Ask Me" display board can be customized for specific locations and can provide a valuable service to people in public places.

I. INTRODUCTION

The Ask Me Display Board is an interactive and innovative display board designed to provide real-time information, answer queries, and provide feedback to the attendees of various events, conferences, and exhibitions. The display board is built using the Raspberry Pi, a single-board computer that provides a flexible and customizable platform for creating interactive displays.

The Raspberry Pi offers a range of tools and coding languages that support the easy integration of different components and the creation of dynamic displays. With the Ask Me Display Board, attendees can get relevant and up-to-date information about the event, ask questions, and receive feedback, making it a valuable tool for organizers and attendees alike.

Throughout this project, we will explore the various components, tools, and programming languages required to build the Ask Me Display Board. We will provide a step-by-step guide on how to assemble and program the display board, along with some examples of how it can be applied to different settings.

So, if you are looking to design an interactive and innovative display board for your event, conference, or exhibition, then the Ask Me Display Board using Raspberry Pi is the perfect solution for you!

II. MARKET SURVEY

The market for interactive display boards is growing rapidly, with a high demand in events, conferences, and exhibitions. Making advantages of technology to provide real-time information and engage attendees is becoming increasingly important for event organizers to design a memorable experience.

Raspberry Pi is a preferred option for creating interactive display boards given its affordability, flexibility, and ease of use. It allows for the combining of various components such as touchscreens, cameras, and sensors, making it a versatile platform for creating interactive displays.

The potential customer base for the Ask Me Display Board using Raspberry Pi includes event organizers, conference managers, exhibition coordinators, and any other individual or organization that requires an interactive display board for their events. The target market could also include schools and universities, museums, and public spaces.

In conclusion, the market for interactive display boards is growing rapidly, and the Raspberry Pi provides an affordable and flexible platform for building such displays. The potential customer base for the Ask Me Display Board using Raspberry Pi is vast, including event organizers, conference managers, exhibition coordinators, and more.

III. LITERATURE SURVEY

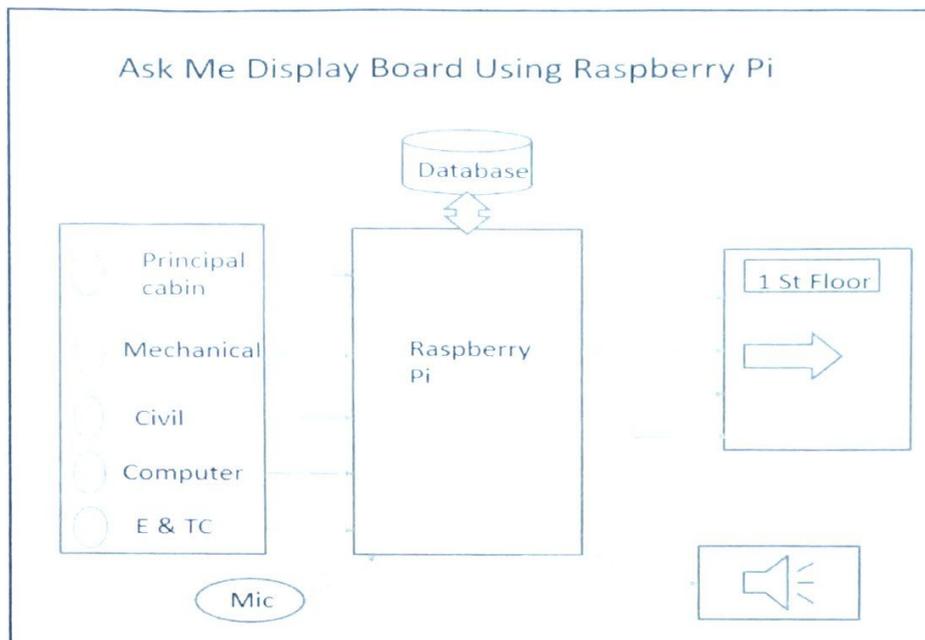
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IV. BLOCK DIAGRAM



In this project, the Raspberry Pi is the main control unit, used to responsible for receiving user input through the keypad or button and displaying the corresponding information on the LED matrix display board. The Raspberry Pi interacts with the LED matrix through its GPIO connector's pins on the board. The keypad or button provides user input, which is read by the Raspberry Pi to determine what to display on the LED matrix.

V. RESEARCH METHODOLOGY

This is a proposed methodology for creating a display board using Raspberry Pi:

Define the requirements: The initial action is to define the requirements of the project, including the type of information to be displayed, the display format, the size of the display, and the location of the display.

Choose the hardware: Based on the requirements, choose a suitable Raspberry Pi model, a display screen, and any other necessary hardware, such as power supply, cables, and accessories.

Set up the Raspberry Pi: Install the operating system (such as Raspbian) on the Raspberry Pi and configure it for the display screen.

Design the user interface: Use a programming language (such as Python) to design a user interface for the display board. This can include graphics, text, and interactive elements such as buttons and touch screens.

Integrate data sources: Integrate data sources (such as RSS feeds, social media feeds, or weather APIs) to display real-time information on the display board.

Test and refine: Test the display board thoroughly and refine the user interface and data sources as necessary to ensure that it meets the requirements.

Install and deploy: Install the display board in its final location and deploy the software.

Maintenance and updates: Maintain and update the display board as necessary, including software updates, hardware maintenance, and content updates.

VI. ADVANTAGES

There are numerous benefits of using Raspberry Pi for a display board project such as Ask Me, including:

Low Cost: Raspberry Pi is an affordable and cost-effective solution for a display board project, in contrast to conventional display board technologies.

Flexibility: Raspberry Pi is a flexible platform that enables customizations and modifications to suit specific requirements, which is particularly useful for a project such as Ask Me where the information displayed may need to be updated or changed frequently.

Easy to Use: Raspberry Pi is user-friendly, and there is a vast community of users who provide support and guidance, making it easy for non-technical individuals to get started.

High Performance: Raspberry Pi offers high processing power and memory, enabling it to display high-quality graphics and multimedia content.

Integration: Raspberry Pi can integrate with various sensors and data sources, making it possible to display real-time information and updates on the display board.

Energy Efficient: Raspberry Pi is energy-efficient, consuming only a fraction of the power required by traditional display board technologies.

Scalability: Raspberry Pi is scalable, meaning that it can be used for large display board projects or smaller projects, depending on the requirements.

Overall, the use of Raspberry Pi for a display board project like Ask Me offers numerous advantages in terms of cost, flexibility, performance, and integration, making it an excellent choice for various organizations and applications.

VII. FUTURE SCOPE

A number of their potential future scopes for the project Ask Me display board using Raspberry Pi, including:

Augmented Reality: Incorporating augmented reality technology into the display board using Raspberry Pi could provide users with a more immersive experience and allow them to interact with the information in new ways.

Machine Learning: Using algorithms for machine learning with Raspberry Pi could enable the display board to provide more personalized and relevant information based on user behavior and preferences.

Voice and Gesture Recognition: Incorporating voice and gesture recognition technology into the display board using Raspberry Pi could make it easier for users to interact with the information without needing to physically touch the display.

Cloud Integration: Integrating the display board with cloud-based data sources and storage could enable the display board to access and display more extensive and dynamic information.

Energy Efficiency: Exploring ways to further optimize the effectiveness of the display board using Raspberry Pi, such as by implementing sleep modes might aid in lowering energy consumption and make the system more sustainable.

Mobile Integration: Developing a mobile application that works with the display board using Raspberry Pi could enable users to access and interact with the information from their smartphones and tablets, providing more flexibility and convenience.

These potential future scopes could expand the capabilities and usefulness of the Ask Me display board project using Raspberry Pi, providing new opportunities for innovation and enhancing the overall user experience.

5. CONCLUSION

In conclusion, the project Ask Me display board using Raspberry Pi offers an efficient, low-cost, and flexible solution for displaying information in public spaces. The project utilizes the high processing power and memory of Raspberry Pi to display high-quality graphics and multimedia content, and it can integrate with various sensors and data sources, making it is feasible to display real-time information and updates on the display board.

The project has many benefits, including its low cost, flexibility, easy to use nature, high performance, integration, energy efficiency, and scalability. Additionally, the future scope of the project is vast and can be further enhanced by incorporating technologies such as augmented reality, machine learning, voice, and gesture recognition, cloud integration, energy efficiency, and mobile integration.

Overall, the project Ask Mc display board using Raspberry Pi is an excellent choice for various organizations and applications that require a customizable, easy-to-use, and energy-efficient display board solution. It offers an ideal combination of affordability, scalability, and performance, making it a versatile and efficient platform for displaying information in public spaces.

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Rehabilitation of Reinforced Concrete Beams by Using Ferro Cement Jacketing

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ABSTRACT: Process of modification of existing structural members to increase their resistance of load is called retrofitting. Two techniques of retrofitting 1. Local (concrete jacketing, steel jacketing, fiber reinforced polymer sheet wrapping) 2. Global (addition of infill walls, addition of shear walls, addition of frames). Various retrofitting techniques are used in field and out of all, jacketing technique is consider as best. In this technique ferrocement are bounded to the surface of structural members to increase its strength. Ferrocement sheet are most commonly used as retrofitting material due to their easy availability, economy.

This paper represents the behaviour and strength of reinforced concrete beams strengthened with ferrocement jackets. A total 15 beams was prepared from that three specimens of beams are control beams remaining 12 beams are destressed at 50% & 60% of ultimate load and retrofitted with single and double layer of Chicken Mesh Jacketing. Study is done on the beam's failure mode.

The result of this test indicates that load carrying capacity of beam is increase after retrofitting.

KEYWORDS – Ferro cement, chicken mesh, Retrofitting, RCC beams, Jacket

I. INTRODUCTION

1.1 General :

Retrofitting is the remodelling of existing buildings to increase their functionality and robustness. For concrete structures that are susceptible to deterioration from several earthquakes, fire, bomb blasting, and chemical attacks, daily retrofitting measures are needed. The world has seen moderate to severe earthquakes on a yearly basis for the past thirty years; these occurrences cause failures and damage to concrete structures. Thus, our goal is to concentrate on a few particular techniques that could increase the vulnerability of existing reinforced concrete structures. For historical sites, earthquake-prone regions, and expensive or tall structures, it is crucial. Modern structural engineering research is focused on reinforcing and repairing ageing structures using new materials.

1.2 Chicken wire mesh: Uses to prevent cracks. Twisting two neighbouring wires at least four times creates a strong honeycomb mesh structure, which is used to create chicken mesh. As a result, it is strong and long-lasting.

1.3 Advantages =

- For plastering, chicken wire is preferable to welded wire mesh.
- The suppleness of chicken wire makes it easy to put it on curved and angled surface.
- Easy cut to your required size.

1.4 Aim: To investigate retrofitting of reinforced beams by using Ferro cement Chicken mesh Jacketing.

Objectives:

- To investigate RC beam repair utilizing Ferro cement jacketing enclosed with chicken mesh.
- To research the strength of reinforced beam.
- Comparison of test result to determine the strength of beam after Ferro cement jacketing.



II. MATERIALS AND METHODOLOGY

2.1 Materials

Cement –

- OPC53 grade (ultratech cement)
- The quality of cement checked through the test like consistency of cement, initial and final setting time of cement.

Fine aggregate –

Natural river sand is used which having specific gravity 2.75.

Coursed aggregate –

Crushed stone aggregate 20mm size used which having specific gravity 2.74.

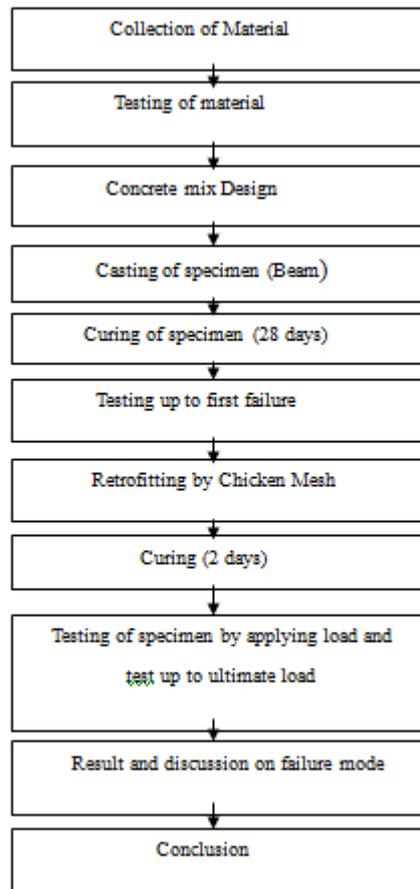
Chicken wire mesh-

- Mesh diameter - 0.78mm
- Roll length – 50mm

Steel reinforcement –

- HYSD bar of 4NOs of 8mm diameter used as main reinforcement.
- 2NOs of 6mm diameter used as stirrups.

III. METHODOLOGY



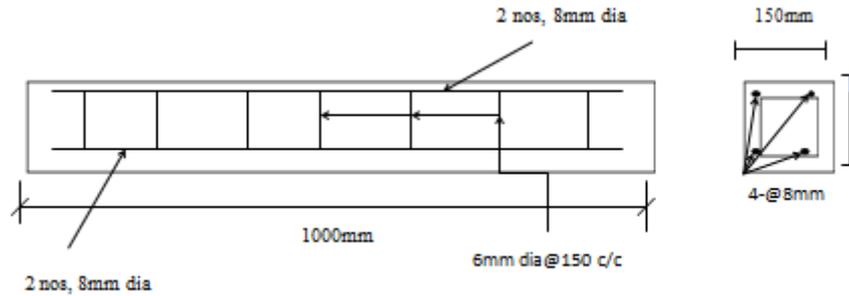


Figure 1. Steel Reinforcement

2.2 Mix Proportion-

Table 1: design mix proportion (M20)

Description	Cement	FA	CA	Water
Quantity of material (kg/m ³)	438.18	599.388	1080.03	213.18
mix proportion by weight	1	1.37	2.47	0.45

2.3 casting schedule

Table: 2 Casting Schedules

Specimen (mm)	Distressing (%)	Control specimen	With jacketing	
			One	Two
Cube (150 x 150 x 150)	-	09	-	-
Beam (150x230x1200)	-	03	-	-
	50	-	3	3
	60	-	3	3
	Total specimen		24	



Fig 2. Casting of Specimen

2.4 Pre – retrofitting technique:

All other beams, with the exception of control beams C1, C2, and C3, which are loaded monotonically, are preloaded to a maximum of 50% and 60%, respectively, until the first crack does not appear. The item is visually inspected and any cracks are noted while it is being loaded. The specimen is subsequently unloaded, and a chicken mesh jacketing refit is applied.

2.5 Process of Retrofitting:

The deteriorated beams were retrofitted with Ferro cement jacketing after the initial stage of loading. Another type of ferroconcrete is Ferro cement, which is made by reinforcing cement sand mortar with a chicken wire mesh that is closely spaced. Using a hacker, the distressed beam's surface was made rougher, and wire mesh was then woven around it. Wire ties were used to tighten the mesh. As a bonding agent, a thick cement paste was used. On the surface of the beam, 20 mm of mortar was poured. The modified beams were cured in a curing tank for two days.

“The Constructrait material testing and services LLP's” Laboratory loads the beams for testing. Every specimen is subjected to the same testing process. The beams are first allowed to cure for 28 days, after which their surface is polished with sandpaper to make cracks more visible. Beams were tested using a single point loading configuration. One by one, each beam underwent testing. The aforementioned setup is used to test each of them. Throughout the test, readings of the dial gauge's deformation and the load's progressive increase are taken. The distortion is seen in the dial gauge reading. Records are kept of the load at which reading is reversed.

The deflection load points for the beams with and without chicken mesh jacketing are noted in relation to the calculated increase in load.



Figure3. Process of Retrofitting



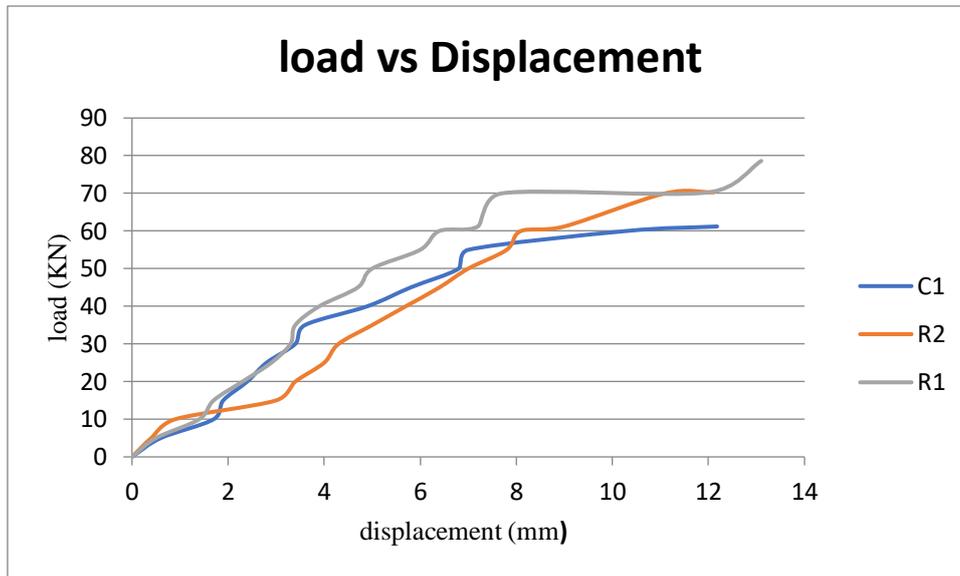
IV. RESULTS AND DISCUSSION

Table 3. Ultimate Load And Displacement Of Beams

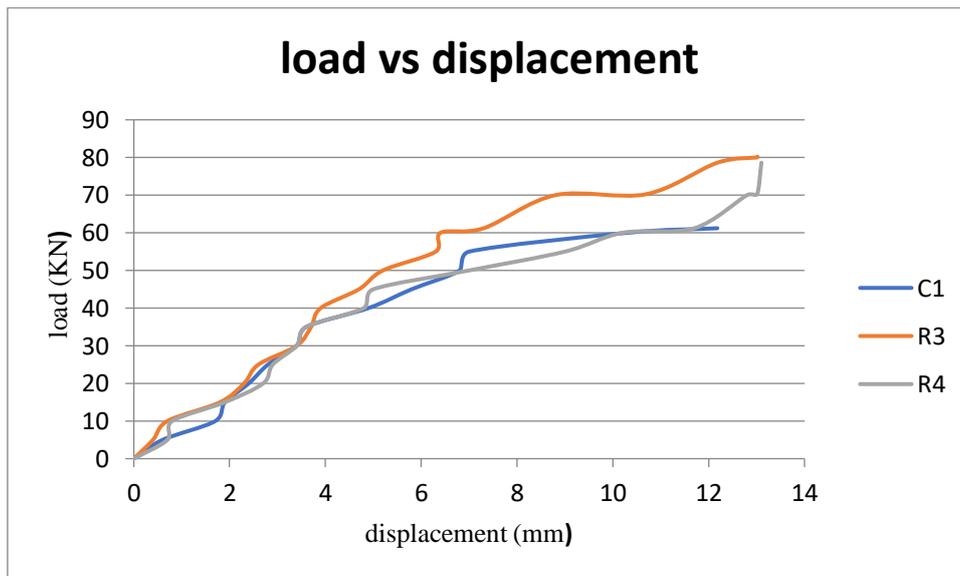
Type of beam	Beam designation	First crack load (KN)	Ultimate load (KN)	Displacement (mm)
Controlled beam	C1	24.26	61.20	12.18
	C2	23.75	63.70	14.26
	C3	23.00	65.40	14.20
Beam distressed up to 50% ultimate load and wrapped with single layer chicken mesh	R1	29.36	79.75	13.1
	S1	30.60	79.89	14.13
	T1	29.40	80.04	13.02
Beam distressed up to 60% ultimate load and wrapped with single layer chicken mesh	R2	29.10	70.26	12.11
	S2	29.46	71.18	12.30
	T2	30.00	70.71	13.11
Beam distressed up to 50% ultimate load and wrapped with double layer chicken mesh	R3	30.35	80.21	13.02
	S3	31.20	81.26	13.12
	T3	31.35	79.45	13.10
Beam distressed up to 60% ultimate load and wrapped with double layer chicken mesh	R4	29.10	78.60	13.10
	S4	28.15	78.40	12.12
	T4	30.20	77.30	12.18

4.2 Discussion:

R1, R2 beams were refitted with a single layer of chicken mesh after being 50% and 60% distressed, respectively. Under a single point load, control beams were loaded. At a load of 23 KN, the first crack was seen. At a load of 65.40 KN and displacement of 14.20 mm, the controlled beam failed. The ultimate load



Graph 1. load vs Displacement curve for beam C1, Retrofitted beam R1, R2 wrapped with single layer



Graph 2. load vs Displacement curve for beam C1, Retrofitted beam R3, R4 wrapped with Double layer

measured by retrofitting beams R1 and R2 is 79.75 KN and 70.26 KN, respectively, and the first crack is 29.36 KN, 29.10 KN. We noted that the beam's maximum load carrying capacity has increased. R3, R4 beams were refitted with a double layer of chicken mesh after being 50% and 60% KN. The ultimate load measured by retrofitting beams R3 and R4 is 80.21 KN and 78.60KN, respectively, and the first crack is 30.35 KN, 29.10 KN. We noted that the beam's maximum load carrying capacity has increased.

V. CONCLUSION

1. According to test results, comparable reinforced concrete beam repaired with the same jackets and preloaded up to 50% and 60% of their ultimate load carrying capacities exhibited a 25% and 11% improvement in load bearing capacity, respectively, above control beams.
2. The load-bearing capability of a given structure is increased by jacketing it with chicken wire mesh.
3. Ferro cement jacketing can be retrofitted to various structural materials to reinforce them since it gives the beam an acceptable amount of strength.
4. The present RC structure's strength can be increased.



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Jacketing**

in IJIRSET, Volume 12, Issue 5, May 2023

e-ISSN : 2319-8753
p-ISSN : 2347-6710

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Student, Department Of Civil Engineering, Shri. Chhatrapati Shivajiraje College Of
Engineering, Savitribai Phule Pune University, Pune, India

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Student, Department Of Civil Engineering, Shri. Chhatrapati Shivajiraje College Of
Engineering, Savitribai Phule Pune University, Pune, India

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Rajgad Dnyanpeeth's
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF
ENGINEERING**

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

Workshop On
“Vastushastra”
(3rd & 4th March 2023)

Organized By

Department of Civil Engineering

**Savitribai Phule Pune
University Pune, India**



ABOUT THE COLLEGE

Rajgad Dnyanpeeth Technical Campus is established in 2009 with the objective of creating state of the art learning facilities in selected fields of engineering & technology. The Institute has lavish green historical location surrounded by prime industries of Maharashtra. The Institute caters to four disciplines at UG and Diploma viz. Civil, Computer, E&TC and Mechanical Engineering approved by AICTE, New Delhi, recognized by Maharashtra Government and is affiliated to Savitribai Phule Pune University, Pune.



The aim of the institute is providing an enjoyable learning experience to the students throughout their entire tenure in the college. In addition to their academics, students can participate in wide variety of extracurricular activities in the field of arts, sports, & will receive institutional support to excel in those, at both learning as well as competitive levels.

WORKSHOP OUTLINE

- Overview of the history of Vastushastra its origin to present with reference to Vedic Vastushastra
- Principle of Vastushastra.
- Development of Vastu from mythological age to modern age.

CHIEF PATRONS

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PATRON

Prof. Dr. S. B. Patil,
Principal RDTC's SCSCOE.

CONVENER

Prof S.P. Salunkhe
Head Civil Department

CO-ORDINATOR

Prof S.S.Jadhav
Assistant Prof Civil Department

GUEST

Mr. Abhijeet Gaikwad
Vastu Tech Consultancy, Bhor

2 Days Workshop on
"VASTUSHASTRA"



Date: 03rd Mar to 4th Mar 2023

Organized by

**Department of Civil Engg.
RD's SHRI CHHATRAPATI
SHIVAJIRAJE COLLEGE OF
ENGINEERING**

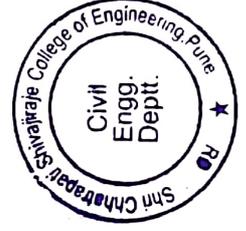
Address for Correspondence

Gat No 237, NH-4, Pune Bangalore Highway,
Dhangawadi, Tal-Bhor,

Pune-412206

Phone: 9860171442

Email: sps.civilscscoe@gmail.com





Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

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Sangram Thopte
MLA, Executive President

Sau. Swarupa S. Thopte
Hon. Secretary

Dr. S. B. Patil
Principal

Ref. No. SCSCOE/ 2022 -23/

Date: 28th Feb 2023

PERMISSION LETTER

To,
The Principal,
Rajgad Dnyanpeeth's
Shri Chhatrapati College of Engineering
Dhangwadi, Pune

Subject: Permission for conducting an Add on Course on "Vastushastra"

Respected Sir,

We would like to conduct an Add on Course on "Vastushastra" for students of an Institute through Civil Engineering department.

The main objective of the program is to provide the knowledge, innovative ideas & novelty to students regarding Vastushastra techniques in Civil engineering field.

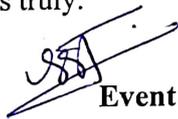
The guest speakers will be

- Mr. Abhijeet L. Gaikwad (Mtech.CM) VastuTech Consultancy at Bhor. .

It gives us great pleasure to invite above personals as guest speakers for above said Add on course. Kindly, allow us for the Add on course and sanction the remuneration amount of Rs.3000 /-

Thanking You.

Yours truly,


Event Coordinator

Prof. S. S. Jadhav & Prof. S. P. Salunkhe


HOD

Prof. S. P. Salunkhe

Department of Civil Engineering

Head of Department

Dept. of Civil Engineering

Shri Chh. Shivajiraje College of Engg

Dhangawadi, Pune-412206

Remark:


28/2/2023





Rajgad Dnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bor, Dist: Pune

DEPARTMENT OF CIVIL ENGINEERING

Date- 28/02/2023

NOTICE

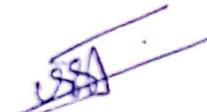
Greetings to all.....!!

All the students of SE & TE Civil are hereby informed that, the Department is going to organized "Add on Course on "Vastushastra" dated on 03rd March to 4th March 2023 at 02:00 pm To 04:00 pm. In civil department digital classroom. The interested students take part in the add on course must give yours name to the Coordinator.

Date: 03rd March to 4th March 2023.
Venue: Civil Department Digital Classroom

Contact to Coordinator

- Prof. S. P. Salunkhe. (9860171442)
- Prof. S. S. Jadhav. (7249600103)


Prof. S. S. Jadhav & Prof. S. P. Salunkhe

Coordinator


Prof. S. P. Salunkhe.

Head of Department
HOD
Dept. of Civil Engineering
Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune-412206





Rajgad Dnyanpeeth's

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Dr. S. B. Patil
Principal

Ref.: RD/SCSCOE/DA/2022-2023/179

Date: 28/02/2023

INVITATION LETTER

To,
Mr. Abhijeet Lalasaheb Gaikwad
VastuTech Consultancy.
Bhor, Pune, Maharashtra - 412206

Subject: Invitation for conducting an Add on course on "Vastushastra" on 3rd & 4th March 2023

Dear Sir,

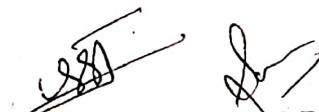
Our department of Civil Engineering is going to organise an Add on course on "Vastushastra" on 3rd & 4th March 2023 for students of in the Institute.

Considering your expertise and experience in the same field, it gives us immense pleasure to invite you as a guest speaker for above said Add on course.

Kindly, accept the invitation and acknowledge the same.

Thanking You.

Yours truly,


Prof. Jadhav S.S. & Prof. S.P. Salunkhe
Event Coordinator


Prof. Dr. S. B. Patil
Principal

Rajgad Dnyanpeeth Technical Campus
Shri Chhatrapati Shivajiraje College of Engineering
Dhangawadi, Bhor, Pune- 412 205



Received
Gadhekar



Date: 01/03/2023

DEPARTMENT OF CIVIL ENGIERRING

“Workshop on Vastushastra”

Schedule of Course/ Program

Day & Date	Time	Name of Resource Person	Course contents
Friday 03/03/2023	11.00 am to 11:15 am	Felicitation & Introduction of Guest	
	11.15 am to 01:00 pm	Mr. A.L. Gaikwad	Introduction of Add on Course Topic Vastushastra
	01:00 pm to 1.30 pm	Lunch Break	
	1.30 pm to 3.30pm	Mr. A.L. Gaikwad	Relation of Vastushastra with Civil Engineering
	3.30 pm to 3.45 pm	Short Break	
	3.30 pm to 5.00 pm	Mr. A.L. Gaikwad	Vastu Tips
Saturday 04/03/2023	11.00 am to 01:00 pm	Mr. A.L. Gaikwad	Location of Rooms as per Vastushastra in Building
	01:00 pm to 1.30 pm	Lunch Break	
	1.30 pm to 3.30pm	Mr. A.L. Gaikwad	Location of Rooms as per Vastu Vastushastra in Building
	3.30 pm to 3.45 pm	Short Break	
	3.30 pm to 4.45 pm	Mr. A.L. Gaikwad	Scientific Reason for Vastushastra
	4.45 pm to 5.00 pm	Vote of Thanks	

Requirements: Internet connection etc.


Prof. S.S. Jadhav & Prof. S.P. Salunkhe

Event Coordinator


Prof. S.P. Salunkhe

Head ~~HOD~~ Department
Dept. of Civil Engineering
Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune-412206





Date: 04 /3/2023

Workshop Report on “Vastushastra”

1. Program type: Workshop
2. Event Name: “Vastushastra”
3. Attendees: students from in the institute.
4. Name and Designation of Resource Person : Mr. Abhijeet Lalasaheb Gaikwad
5. Company / Institute of Resource Person: Vastu Tech Consultancy, Bhor, Pune.
6. Event coordinator: Prof. S.P.Salunkhe & Prof. S.S. Jadhav
7. Day & Date of Execution: Friday& Saturday, 3rd & 4th March 2023
8. Time: 11 am to 05.30 pm
9. Duration of Event: Two day
10. Venue of event : Civil Department Digital Classroom
11. Number of Participants: 24
12. Fee details: 100/-
13. Objectives: The main objective of the program was to guide students about how to think innovative idea and how to know about novelty. Also guided about How to implement Vastushastra knowledge in civil engineering field.
14. Outcomes: Practical house planning in accordance with Vastu Shastra principles
15. Description (program conduction details) / speaker topic explanation:

Rajgad Dnyanpeeth's Shri Chhatrapati College of Engineering Civil Department Dhangwadi, Pune has conducted a Workshop on “Vastushastra” on 3rd March to 4th March 2023 for SE and TE students of Civil Engineering to give information about “Vastushastra” The ultimate objective of the study is to analyse the behaviour of traditional beliefs in house construction with the aid of modern engineering technology and to discuss how meaningful beliefs can be used in modern construction fruitfully Although modern society is at the apex of science and technology, the shadows of traditional customs and beliefs in various fields can be seen. When the field of house construction is considered, traditional beliefs had been playing a

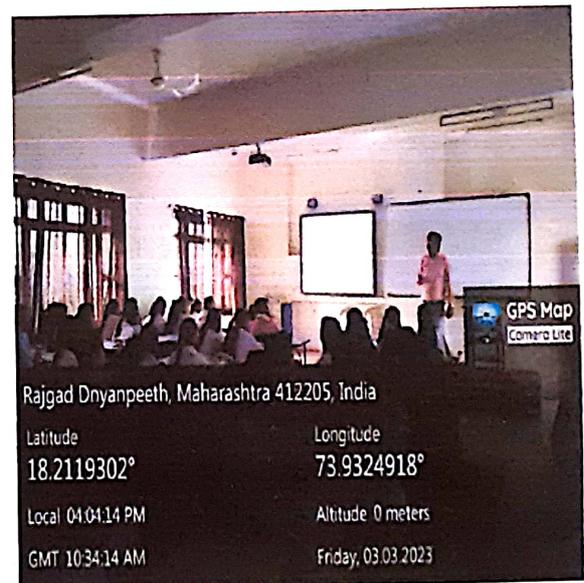
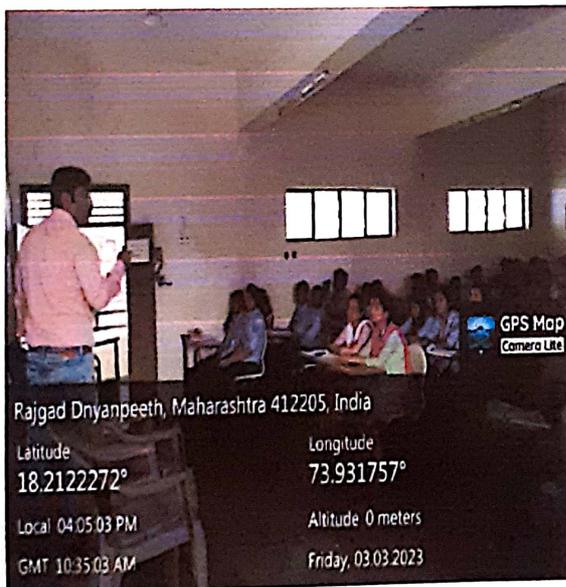




considerable role which can be seen in Asian countries rather than European countries. Since hardly any engineering-based studies have been done to explore the significance of traditional beliefs in house construction.

16. Conclusion: The Workshop on “Vastushastra” explained Traditional beliefs in house construction are one of the main knowledge heritages mainly nourished with Vastu Shastra, considerations and faiths which have been transferred from generation to generation. The aim of the study was not to discriminate such beliefs or label them as superstitions. Instead, the study tried to provide rational engineering explanations to selected traditional beliefs which can be studied with the aid of engineering technology.

Photos with caption

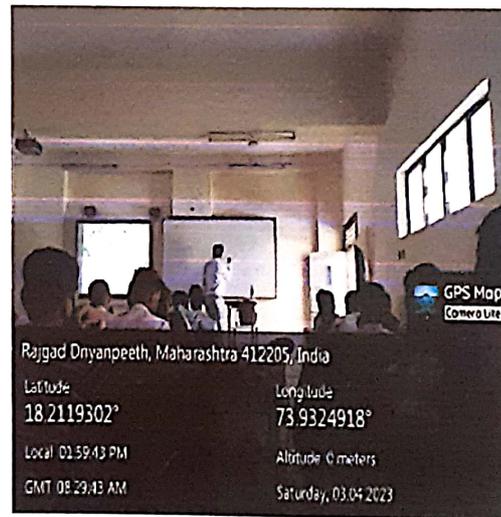
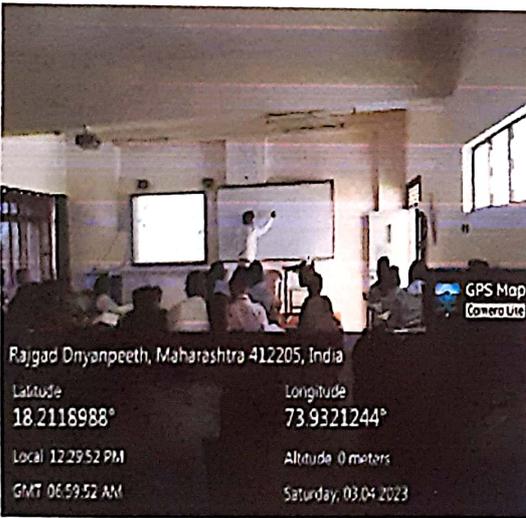
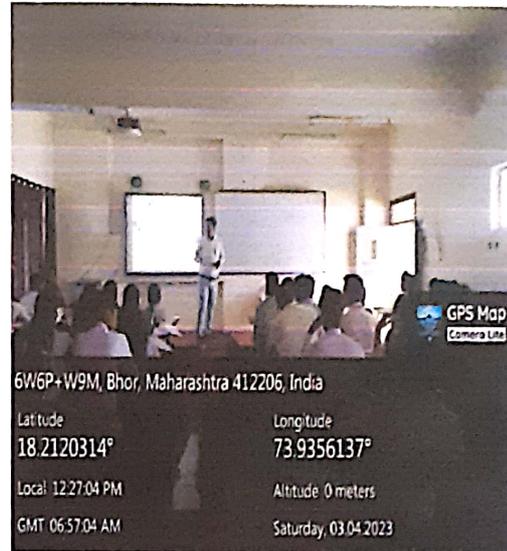
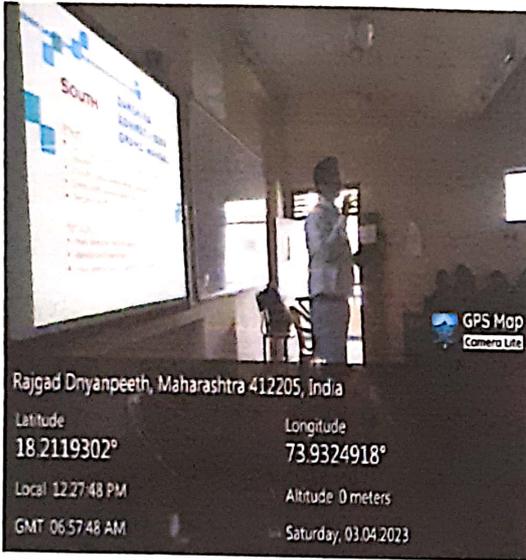


Day 1 Mr. A. L. Gaikwad Sir guiding students





RajgadDnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bor, Dist- Pune (MH)



Day 2 Mr. A. L. Gaikwad Sir guiding students


Prof.S.S. Jadhav & Prof. S.P. Salunkhe
Co-ordinator


Prof. S. P. Salunkhe

HOD
Head of Department
Dept. of Civil Engineering
Shri Chh. Shivajiraje College of Engg.,
Dhangawadi, Pune-412206


Dr. S. B. Patil

Principal
Principal
Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engg.,
Dhangawadi, Pune-412 205





Rajgad Dnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
S. No. 237, Satara-Pune, NH-4, Dhingawadi, Tal: Bhor, Dist: Pune

Department of Civil Engineering

Day: Friday & Saturday

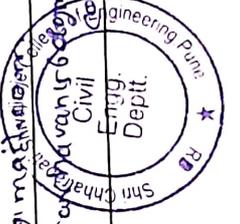
Date: 3/03/2023 to 4/3/2023

Time: 11:00am to 5:00 pm

Title of Program: Vastushastra

Registration form

Sr. No.	Full Name	Institute Name	Class	Mobile No.	Email ID	Amount Received In Rs.	Sign
1.	Sable Vijaya Rohidas	SCSCOE	T.E.Civil	942160925	vijayasabale0301@gmail.com	100/-	
2.	Ranjane Sandhya S.	SCSCOE	T.E.Civil	9015853498	ranjanesandhya42@gmail.com	100/-	
3.	More Apurva Shrikant	SCSCOE	T.E.Civil	97912083622	apurvamore90@gmail.com	100/-	
4.	Pawar Pratibha Sagor	SCSCOE	T.E.Civil	7028592002	pawarpratibhasagor@gmail.com	100/-	
5.	Bharekar Manavi M.	SCSCOE	T.E.Civil	7720884185	bharekar26manavi@gmail.com	100/-	
6.	Rajiwade Ketan N.	SCSCOE	T.E.Civil	9004095707	ketanrajiwade038@.com	100/-	
7.	Karme kartik B.	SCSCOE	T.E.Civil	7378317873	karmekartik@gmail.com	100/-	
8.	Kumbhar Riddhi R.	SCSCOE	S.E.Civil	8308951364	riddhikumbhar@gmail.com	100/-	
9.	Dhumal Shrutika. B.	SCSCOE	S.E.Civil	8830992852	Shrutika627@gmail.com	100/-	
10.	Kondhalkar Sakshi S.	SCSCOE	S.E.Civil	9322847487	sakshikondhalkar131028@gmail.com	100/-	
11.	Chavan Simran Umesh	SCSCOE	S.G.Civil	7288900137	simranchavan196@gmail.com	100/-	



12.	Jadhav Sanikakishor	SCSCOE	SE(civil)	9307895961	samikaj275@gmail.com	1001-	Sadhu
13.	Vare Sahil Rohidas	SCSCOE	SE(civil)	9579638979	sahilvare907@gmail.com	1001-	SBKS
14.	Kumble Pratik Ratan	SCSCOE	SE(civil)	7559407512	pratik.kumble@ gmail.com	1001-	Pratik
15.	Ansari Hasnain Haider	SCSCOE	SE(civil)	9307998673	ha6380822@gmail.com	1001-	Hasnain
16.	Ghagge Sainath Bajirao	SCSCOE	SE(civil)	9730917232	sainath25399@gmail.com	1001-	Sainath
17.	Bhargude Sanjay Pandurang	SCSCOE	SE(civil)	935786222	sanjay.bhargude21@gmail.com	1001-	Bhargude
18.	Rajput Nandhu Tushiran	SCSCOE	SE(civil)	784187416	nandurajput1997@gmail.com	1001-	Rajput
19.	Ansh Sanjay Suryavanshi	SCSCOE	SE(civil)	9307512387	suryavanshi.ansh824@gmail.com	1001-	Suryavanshi
20.	Atshay Balaso Jadhav	SCSCOE	SE(civil)	7030676645	atshayoj9367@gmail.com	1001-	Atshay
21.	Bhilare Bhushan Pandurang	SCSCOE	SE(civil)	9284031398	bhushanbhilare2020@gmail.com	1001-	Bhilare
22.	shinde siddhesh ganesh	SCSCOE	SE(civil)	8767138434	shinde.siddhesh2222@gmail.com	1001-	Shinde
23.	Durgesh vishnu Lambe	SCSCOE	TE(civil)	7888238383	lambedurgesh143@gmail.com	1001-	DNL
24.	Jagtap vivek Sanjeev	SCSCOE	TE(civil)	9375200597	vivekjagtap3787@gmail.com	1001-	Jagtap



[Signature]
Program Coordinator



Rajgad Dnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

Department of Civil Engineering

Day:

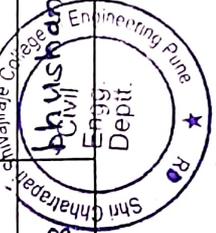
Date: 03/03/2023

Time: 11:00 am to 5:00 pm

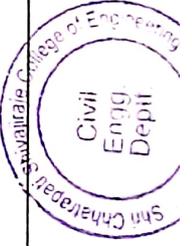
Title of Program: Vastushastra

Attendance Sheet

Sr. No.	Full Name	Class	Dept.	Mobile No.	Email ID	Sign
1	Simran U. chavran	2 nd	SECivil	7248900137	Simranchavran156@gmail.com	S.U. chavran
2.	Sanika Kishor Jadhav	2 nd	SECivil	9307895961	sanikaj275@gmail.com	S.Jadhav
3.	Riddhi Rajendra kumbhar	2 nd	SECivil	8308951364	Riddhikumbhar42@gmail.com	Rumbhar
4.	Shrutika Baban Dhumal	2 nd	SECivil	772939449	Shrutikad627@gmail.com	Shrutika
5.	Sakshi Shivaji kondhalkar	2 nd	SECivil	9322847787	Sakshikondhalkar191028@gmail.com	S.kondhalkar
6.	Tanmay Pandurang Bhargude	2 nd (SE)	SECivil	8453786222	tanmay.bhargude21@gmail.com	T.Bhargude
7.	Narandra Tulsiram Feyipat	2 nd	SECivil	7841874165	narandrafeypat24927@gmail.com	(Feyipat)
8.	Vare Sahil Rohidas	2 nd	SECivil	9529638979	sahilvare9077@gmail.com	S.Vare
9.	Prutik Rutan Kamble	2 nd	SECivil	7559407512	PrutikKamble9165@gmail.com	P.Kamble
10)	shinde siddhesh ganesh	2 nd	SECivil	8767138434	shinde.siddhesh.222@gmail.com	S.Shinde
11)	Bhilare Bhushan pandurang	2 nd	SECivil	9284031398	bhishanbhilare2020@gmail.com	B.Bhilare



12	Ranjanebandhya Sanjay	T.E	Civil	9075853498	ranjanesandhya42@gmail.com	Sanjay
13	Sable Vijaya Rohidas	T.E.	Civil	9421760925	vijayasabale0301@gmail.com	Sable
14	Bharekar Manavi Manohar	T.E.	Civil	7720884185	bharekar26manavi@gmail.com	Bharekar
15	More Apurva Shrikant	T.E.	Civil	7972083622	apurvamore90@gmail.com	More
16	Rajiwade Ketan N	TE	Civil	9004095707	kumarrajiwade098@gmail.com	Ketan
17	Karame Kartik Bhimrao	TE	Civil	7378317873	karamekartik@gmail.com	Kartik
18	Pawar Peatibha Sagar	TE	Civil	7028892002	PawarPeatibhaSagar@gmail.com	Peatibha
19	Jadhav Akshay Balasa	SE	Civil	7030676665	akshoyej9367@gmail.com	Akshay
20	Ansari Hasnain Haider	SE	Civil	9307998673	ha06380822@gmail.com	Hasnain
21	Suryavanshi Ansh Sanjay	SE	Civil	9307512387	suryavanshiansh824@gmail.com	Ansh
22	Sarankar Saijirao Ghadge	SE	Civil	9730927232	SarankarGhadge8999@gmail.com	Sarankar



[Signature]
Program Coordinator



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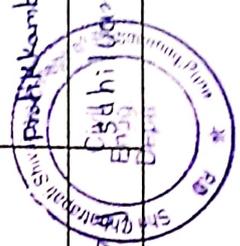
Department of Civil Engineering

Day: Date: 04/03/2023 Time: 11:00 am to 5:00 pm

Title of Program: Vastushastra

Attendance Sheet

Sr. No.	Full Name	Class	Dept.	Mobile No.	Email ID	Sign
1	Sanika Kishor Jadhav	2 nd	SE CIVIL	9307895961	sanikaj275@gmail.com	
2	Simran Umesh Chavan	2 nd	SE CIVIL	7248900137	SimranChavan156@gmail.com	
3	Rutuja Vikas Mawale	2 nd	SE Civil	9665298169	musalerutuja936@gmail.com	
4	Sakshi Shivaji kondhalkar	2 nd	SE civil	9322847787	sakshikondhalkar191028@gmail.com	
5	Shrutika Baban Dhumal	2 nd	SE civil	7721939449	Shrutikod627@gmail.com	
6	Nayendra Tejsiram Rajput	SE	Civil	7841874165	nayendrarajput44927@gmail.com	
7	Tanmay Parulwar Bhargude	SE	Civil	8453786222	tanmay.bhargude21@gmail.com	
8	Sainath Bajirao Ghadge	SE	Civil	9730917232	sainathghadge199@gmail.com	
9	Aanish Sanjay Suryavanshi	SE	Civil	9307512387	SuryavanshiAanish824@gmail.com	
10	Pratik Ratan Kamble	SE	Civil	7554407512	PratikKamble9165@gmail.com	
11	Sachi Rohidas Vaire	SE	Civil	957963897	Sachirohidas9077@gmail.com	



12]	Bhushan Pandurang	2nd	SE CIVIL	9284031398	bhushanbhilare2020@gmail.	
13]	Jadhav Akshay Balasahab	2nd	SE CIVIL	7030676645	akshayoj9367@gmail.com	
14	shinde siddhesh ganesh	2nd	SE CIVIL	8767138434	shinde siddhesh 2222@gmail.com	
15	Ansari Hasnain Haider	2nd	SE CIVIL	9307998673	ha6380822@gmail.com	
16.	Bharekar Manavi Manohar	T.E.	Civil	7720884185	bharekar26manavi@gmail.com	
17.	Ranjane Sundhya Sanjay	T.E.	Civil	9075853498	ranjanesundhya42@gmail.com	
18.	Sable Vijaya Rohidas	T.E.	Civil	9421760925.	vijayasabale0301@gmail.com	
19.	Purgesh Vishnu Lambe	TE	Civil	7888238383	lambedurgshytst143@gmail.com	
20.	Jagtap Vivek Sanjeev	TE	Civil	9373200597	vivek-jagtap3787@gmail.com	
21.	Pawar Pratibha Sagar	T.E.	Civil	7028592002	powarpratibhasagar@gmail.com	
22.	More Apurva Shrikant	T.E.	Civil	7972083622	apurvamore90@gmail.com	
23	Kaome Kartik Bhimrao	T.E.	Civil	7378317873	Kaomekartik@gmail.com	
24	Rajiwade Ketan Narayan	TE	Civil	9004095707	Ketanrajiwade098@gmail.com	



Program Coordinator



Anantrao Thopte
Founder President, Ex. Edu. Minister

Sangram Thopte
MLA, Executive President

Sau. Swarupa S. Thopte
Hon. Secretary

Dr. S. B. Patil
Principal

Date: 04/03/2023

Ref.: RD/SCSCOE/DA/2022-2023/

APPRECIATION LETTER

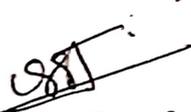
To,
Mr. Abhijeet Lalasaheb Gaikwad
VastuTech Consultancy,
Bhor, Pune, Maharashtra 412206

On behalf of the Rajgad Dnyanpeeth's Shri Chhatrapati College of Engineering Dhangwadi, Pune, we wanted to express our deep gratitude to you for conduction of Workshop on the topic "Vastushastra" on 3rd & 4th March 2023. It was really informative and useful. Definitely all the participants have benefited from your talk.

We are very much thankful to you for making it convenient to be with us.

Once again, thank you for making the Workshop successful, and we expecting your continuous support in future also.

Your's truly,


Prof. S.S. Jadhav & Prof. S.P. Salunkhe
Event Coordinator

Received.


Prof. S.P. Salunkhe
HOD



E-CADD Institute in Association with
Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING CERTIFICATE OF COMPLETION

COURSE IN TWO DAY'S WORKSHOP ON VASTUSHASTRA

AWARDED TO **MORE APURVA SHRIKANT**

AT **DEPARTMENT OF CIVIL ENGINEERING**

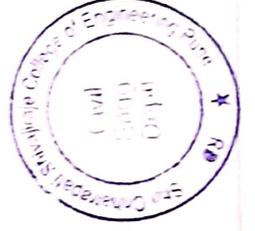
March - 2023
DATE OF ISSUE

DURING 3 March to 4 March 2023

A.L. Gaikwad
Mr. A.L. Gaikwad
Director
E-CADD Pune

Prof. S. P. Salunkhe
Prof. S. P. Salunkhe
Head Of The Department
S.C.S.C.O.E.

► CIVIL



9001:2015

AN ISO 9001:2015 CERTIFIED COMPANY





Rajgad Dnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
 S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

DEPT. OF CIVIL ENGINEERING

Feedback Form

Program on "Vastushastra."

Sr No.		Excellent	V. Good	Good	Average	Poor
1	Depth of Knowledge	✓				
2	Delivered Quality			✓		
3	Software and Simulation		✓			
4	Level of understanding		✓			
5	Satisfied with Add on Course	✓				

Suggestions: —

Name and Student Signature: (Optional) Jadhav Sanika Kishore (Sadhav)



Rajgad Dnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
 S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

DEPT. OF CIVIL ENGINEERING

Feedback Form

Program on "Vastushastra."

Sr No.		Excellent	V. Good	Good	Average	Poor
1	Depth of Knowledge	✓				
2	Delivered Quality	✓				
3	Software and Simulation		✓			
4	Level of understanding		✓			
5	Satisfied with Add on Course	✓				

Suggestions:

Sakshi Shivaji Kondhalkar (Sakshi)





Rajgad Dnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhore, Dist: Pune -412205 (MS), India.

Department of Computer Engineering Group Discussion Report

Mentoring Program: Week 1, Day 1

Faculty Coordinator: Dr Shivani Raheja

Student coordinators: Mr.RajatSaini, Ms.Ankita

On 21st August 2022, First Group Discussion was conducted on the topic **"Social Media: Impact on Human Behavior and Society"**. At the beginning of the session everybody seemed hesitant in expressing their opinion but soon the discussion picked up the pace and the purpose of the discussion, which was to encourage students to speak up and boost their confidence, was fulfilled.

The discussion was between three groups, First group chose to highlight the positive impact of social media, Second group comprised of students who perceived negative impact of social media and the third group was the neutral group that apprised about both the benefits and challenges of social media.

Points discussed in the favour of the topic were like **"it makes people broad minded, helps in expanding knowledge, makes easy to find jobs, promotes digital marketing, access to more information and enhances social connectivity & communication"**. The views against the motion were **"leads to false trap, self-obsession and materialism, means of spreading fake news, promotes gossips, trolling and addiction"**.

Lastly, we tried to draw attention of the students to summarise and conclude the GD highlighting all the important points' discussed by all the groups.

Mentoring Program: Week 1, Day 2

Faculty Coordinator: DrShivaniRaheja

Student coordinators: Mr.RajatSaini,Ms.Ankita

On August 22, 2022, 2nd group discussion was conducted in the classroom on the topic **“Is India ready for cashless economy?”**. I would say that the discussion was successful, the session seemed to have more energy and interest than the previous discussion.

There were three groups in discussion, first who was in favour that India is ready for the cashless economy, second against it and third one was neutral.

The aim of this group discussion was to enhance the confidence, communication skills, leadership quality and thinking capacity. The points discussed in the favour of the topic were like **“ restricts fake currency issues, an economy booster , cost reduction strategy, risk reduction ,increasingthe tax base, reduced corruption &promotes transparency in the transaction”** and the points against it were like **“ concerns for uneducated people, limitations of internet connectivity, fear of hacking and cyber security”**.

Overall the discussion was positive because each one of us contributed good information and everyone listened with the utmost interestwhen other members were sharing their ideas. Speaking in the group discussion is gradually bringing everyone in mainstream by boosting their self-confidence.



P.MARNE
Prof.P.M.Marne
Co-ordinator

B.D.T.
Prof.B.D.Thorat
HOD





**Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.
Department of Computer Engineering**

Department of Computer Engineering

Date- 3/2/2023

NOTICE

All B.E students are hereby informed that Computer Department has organized a Seminar on **"Deep Learning"** on 07th of February 2023 at 12:00 pm to 2:00 pm.

Note:

1. Seminar will be offline
2. Attendance is mandatory to all
3. Seminar will start and end as per schedule time.

P. MARNE

Prof. P. M. Marne

Coordinator



B. D. THORAT

Prof. B. D. Thorat

Head of Department

Dept. Computer Engineering

Shri Chh. Shivajiraje College of Engg
Dhangawadi, Pune-412206



**Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.
Department of Computer Engineering**

INVITATION LETTER

Date- 3/2/2023

To

Mr. Bapu Arkas

Founder, ProAzure

Subject: Invitation for conducting Seminar on “Deep Learning”

Respected sir,

This gives Department of Computer Department of SCSCOE, great pleasure to request you to conduct Seminar on “**Deep Learning**” for B. E students of SCSCOE in RDTC-SCSCOE, Dhangawadi.

We will be thankful to you if you can schedule on 07th of February 2023.

Waiting for your positive reply.




Prof. B. D. Thorat
Head of Department
Dept. Computer Engineering
Shri Chh. Shivajiraje College of Engg
Dhangawadi, Pune-412206



Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.
Department of Computer Engineering

PERMISSION LETTER

Date- 3/2/2023

To,
The Principal,
RD's SCSCOE,
Dhangawadi, Bhor.

Subject: Regarding permission of Seminar on Deep Learning & Sanctioning of remuneration.

Respected sir,

Computer Dept. is going to conduct Seminar on “**Deep Learning**” for B. E students.

Mr. Babu Arkas has been invited as a speaker for the lecture of Computer engineering student.

The lecture will be held in his presence. He will deliver the lecture on following day and date.

Sr. No.	Day	Date	Subject	Class
1.	Tuesday	07-02-2023	Seminar on Deep Learning	B. E.(Computer)

Kindly Sanction the remuneration of total amount Rs. 2000/-

Thanking you.

PMARNE
Prof. P. M. Marne
Coordinator



B.D.
Prof B. D. Thorat
Head of Department
Dept. Computer Engineering
Shri Chh. Shivajiraje College of Engg
Dhangawadi, Pune-412206

Remark

By B 2001/-
[Signature]
3/2/23



**Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.
Department of Computer Engineering**

CONDUCTION LETTER

Date-7/2/2023

To

Mr. Bapu Arkas

Founder, ProAzure,

Pune

We express our immense gratitude for having you at our college to conduct a fabulous Seminar on “**Deep Learning**”. It was our pleasure for having a person like you at our institute. We take this opportunity to tell you this with pride that our student thoroughly enjoyed your entire sessions. We would like to know if you ever need our support.

Thank You so much.



Recieved

A.


Prof. B. D. Thorat
Head of Department
H. O. D.
Dept. Computer Engineering
Shri Chh. Shivajiraje College of Engg
Dhangawadi, Pune-412206



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

REPORT OF SEMINAR ON DEEP LEARNING

TOPIC : "SEMINAR ON DEEP LEARNING"

DAY/ DATE : 07/02/2023, Friday

DURATION OF EVENT : 12:00 pm to 2:00 pm

OBJECTIVE

1. Provide student a conceptual overview of Deep Learning
2. Understand and use essential technique of Deep Learning

SUMMARY

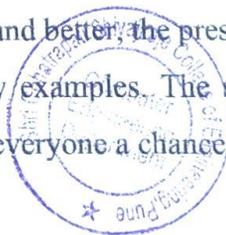
The Seminar has started with Bapu Arkas briefing the students about Deep Learning and then provided the students with some free sources and sites from which they can get more information about the topic and probably can make something good out of it. Prof B. D. Thorat(Head of Department) welcome the Guest Mr. Bapu Arkas.

The lecture covered the basic techniques that help students to build and apply prediction function with an emphasis on practical applications.

The course outcome of the Seminar:

1. Familiarize the functional/operational aspects of Machine Learning Algorithms.
2. Understand emerging abstract models for Deep Learning.

Many important key terms were also introduced for a better understanding like Supervised Learning, Unsupervised Learning, Clustering, Data Extraction, Various Machine Learning Algorithms. To make the students understand better, the presentation barely had any technical terms and was explained well with many examples. The session was very interactive and multiple questions were presented giving everyone a chance to think including the speaker.





PMARNE

Prof. P. M. Marne
Co-ordinator



BPT

Prof. B. D. Thorat
Head of Department
HOD
Dept. Computer Engineering
Shri Chh. Shivajiraj College of Engg
Dhangawadi, Pune-412206



Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.
Department of Computer Engineering

Seminar on "Deep Learning".

Student Feedback Form

Students are required to rate the course on the following attributes using the 4 -point scale shown.

Course: [tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Overall rating of the course content		✓		
2. Course objectives were clear				
3. Clarity and relevance of textual reading material		✓		
4. The teacher was effective in communicating the content of the course	✓			
5. The teacher responded to questions in an informative, appropriate and satisfactory manner.	✓			
6. Do you have any suggestions for future workshops that you would like us to organize?	No			
7. Would you recommend this course to other students?	yes			
Any Other Comments-				



Thank you for participating, we appreciate your feedback!!!!!!!



Rajgad Dnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

DEPARTMENT OF COMPUTER ENGINEERING

Academic Year : 2022 - 2023

Topic Seminar on Deep Learning

Date 27/12/2023

Sr. No.	Name of the Student	Sign
BC018F067	Sonawane Shivam Larman	<u>Shivam</u>
BC019F065	Shinde Sandhya Prabhat	<u>Sandhya</u>
BC020D068	Sonawane Sonal Eknath	<u>Sonal</u>
BC020D072	Thombaze Chandan Shekhar	<u>Chandan</u>
BC020D063	Shilimkar Namrata Rajendra	<u>Namrata</u>
BC019F062	Shilimkar Ashwini VJai	<u>Ashwini</u>
BC020D075	Wadkar Mohini Ganjajy	<u>Mohini</u>
BC019F058	Raut Pooja Sharad	<u>Pooja</u>
BC020D057	Pophale Kishori Vijay	<u>Kishore</u>
BC017F059	Golunke Gangram Manohar	<u>Manohar</u>
BC019F061	Shedge Pooja Sambhaji	<u>Pooja</u>
BC020D056	Pawar Snehal Sunil	<u>Snehal</u>
BC019F036	Khandale Kiran Prakash	<u>Khandale</u>
BC020D049	More Preeti Arvind	<u>More</u>
BC020D023	Ingale Yash Sudhir	<u>Yash</u>
BC018F009	Chavan Ritambara Shankar	<u>Ritambara</u>
BC020D035	Khaira Prajakta	<u>Prajakta</u>
BC020D030	Kachi Aditi Jagdish	<u>Aditi</u>
BC019F014	Dhadve Pragati Uddesh	<u>Pragati</u>
BC020D054	Patil Vaishnavi Devendra	<u>Vaishnavi</u>
BC019F006	Bobade Prachi Santosh	<u>Bobade</u>
BC019F078	Yewale Yash Dattaraj	<u>Yash</u>
BC018D079	Jadhav Avinash Hanumant	<u>Avinash</u>
BC019F025	Jadhav Dhiraaj Anna	<u>D.Jadhav</u>
BC020D016	Gurkud Pujal Balkrushna	<u>Pujal</u>
BC019F050	Munde Abhijeet Bhagawat	<u>A.B.Munde</u>
BC019F077	Yeole Pratiksha Jagdish	<u>P.Yeole</u>
BC019F003	Bhelke Shreyas Umesh	<u>Bhelke</u>
BC019F060	Saste Shubham Jalinder	<u>Shubham</u>
BC019F046	Lawande Swapnil B.	<u>Lawande</u>
722086015	Shreeharsh Suras Purnambekar	<u>Shreeharsh</u>





Rajgad Dnyanpeeth's
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF
ENGINEERING**

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

Guest Lecture On
**“Introduction of Auto Cad
Software”**

(14th October 2022)

Organized By

Department of Civil Engineering

**Savitribai Phule Pune
University Pune, India**



Rajgad Dnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

Date- 10/10/2022

NOTICE

All the students of **SE & TE Civil** are hereby informed that, the Department is going to organized
"Guest Lecture on **"Introduction to Auto CAD Software"** dated on 14th October 2022 at 11:00 am
To 01:30 pm in civil department digital classroom. Attendance is compulsory to all



Prof. S. S. Jadhav

Coordinator



Prof. S. P. Salunkhe.

Head of Department
Dept. of Civil Engineering
Shri Chh. Shivajiraje College of Engg
Dhangawadi, Pune-412206





Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra and Affiliated to Savitribai Phule Pune University, Pune (ID. PUPN/Engg./376/2009), DTE CODE: EN6324, AISHE CODE : C-41588



Anantrao Thopte
Founder President, Ex. Edu. Minister

Sangram Thopte
MLA, Executive President

Dr. Bhagyashri Patil
Hon. Secretary

Dr. S. B. Patil
Principal

Date: 10/10/2022

INVITATION LETTER

To,
Mr. Alok Sasane
Manager
CAD Centre Pvt. Ltd. Pune.

Subject: Invitation for conducting Guest Lecture on **“Introduction to Auto Cad Software”** on **14th October 2022 Friday**

Dear Sir,

Our department of Civil Engineering is going to organise Guest Lecture on **“Introduction to Auto Cad Software”** on **14th October 2022 Friday** for students of in and outside the Institute

Considering your expertise and experience in the same field, it gives us immense pleasure to invite you as a guest speaker for above said Guest lecture.

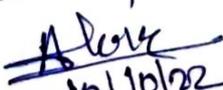
Kindly, accept the invitation and acknowledge the same.

Thanking You.


Prof. S. S. Jadhav
Coordinator


Prof. S. P. Salunkhe
Head, Department of Civil
Engineering


Prof. Dr. S. B. Patil
Principal
RD's SCSCOE Pune

Received

10/10/22





RajgadDnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (MH)

Date: 15/10/2022

DEPARTMENT OF CIVIL ENGINEERING**Report on "Introduction to Auto Cad Software"**

1. **Program type:** Guest Lecture
2. **Event Name:** "Introduction to Auto Cad Software"
3. **Attendees:** Students from Civil Engineering department in the institute.
4. **Name and Designation of Resource Person :** Mr. Alok Sasane (Manager)
5. **Company / Institute of Resource Person:** CAD Centre Pvt.Ltd. Pune.
6. **Event coordinator:** Prof. S.S. Jadhav
7. **Day & Date of Execution:** Friday 14th October 2022
8. **Time:** 11 am to 01.30 pm
9. **Duration of Event:** One day
10. **Venue of event :** Civil Department Digital Classroom
11. **Number of Participants:** 50
12. **Fee details:** Free
13. **Objectives:** The main objective of the program was to guide students about the Auto CAD software. Also guided about How to implement Auto CAD software knowledge in civil engineering field.
14. **Outcomes:** Building planning in accordance with Auto CAD software
15. **Description (program conduction details) / speaker topic explanation:**

Rajgad Dnyanpeeth's Shri Chhatrapati College of Engineering Civil Department Dhangwadi, Pune has conducted a guest lecture on "Introduction to Auto Cad Software" on 14th October 2022 for SE and TE students of Civil Engineering to give information about "Introduction to Auto Cad Software" The ultimate objective of the study is to AutoCAD is a program extensively used by civil engineers and other professionals all over the world. It allows a designer to analyse, design and plan easily and efficiently. If you are a professional in this field or aspire to become a civil engineer. AutoCAD software is adaptable and flexible to use in a variety of sectors. The software is easily available and you can take a monthly or lifetime subscription. Because of wide availability and ease of use, AutoCAD is one of the most





commonly used software for professionals in the fields of architecture, construction and manufacturing.

16. Conclusion: The Guest lecture on “**Introduction to Auto Cad Software**” explained it is a very user-friendly software program that allows individuals with a basic understanding of drafting to work on it. It is also an effective way to design a product, building or machine. There are multiple tools which allow you to view your drawing from different perspectives and in a variety of styles. All these can be useful while working on complex drawings with a large number of components. And also Auto Cad Software increases professional opportunities for students.

Photos with caption



Mr. Alok Sasane Sir guiding to students

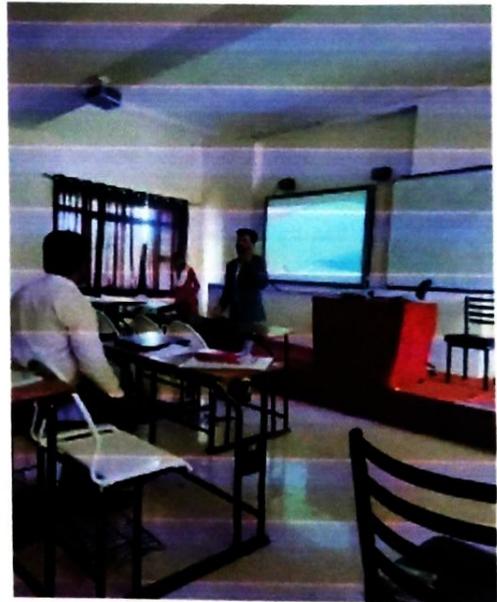




RajgadDnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (MH)



Mr. Alok Sasane Sir guiding to students

Prof.S.S. Jadhav

Co-ordinator

Prof. S. P. Salunkhe

Head of Department

Dept. of Civil Engineering

**Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune-412206**

Dr. S. B. Patil

Principal

Rajgad Dnyanpeeth's

**Shri Chhatrapati Shivajiraje College of Engg.,
Dhangawadi, Pune-412 205**





RajgadDnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

Date:- 14/10/2022

Department of Civil Engineering
Guest Lecture on "Introduction to Auto Cad Software"
Attendance Sheet

Sr. No.	Name of Students	Class	Sign
1)	Ghoshal Sainath Bajirao	S.E	Sainath
2)	Ansari Hasnain Haidar	S.E	Hasnain
3)	Tanmay pandurang bhargude	S.E	Bhargude
4)	Narendra Tulsiram Rajput	S.E	Rajput
5)	Kale Rutuja Dnyaneshwar	BE	Kale
6)	Shilimkar Monika Uday	-11-	mshilimkar
7)	Pawar Sayali Ravindra	-11-	Pawar
8)	Bhandalkar Pooja Mansing	-11-	Pooja
9)	Lokhande Vaibhav Dilip	-11-	Lokhande
10)	Pharande Atish Ashok	-11-	Pharande
11)	Shinde Aditya Nandkumar	-11-	Shinde
12)	Kshirsagar Saurabh Sunil	-11-	Kshirsagar
13)	Sable Vijaya Rohidas.	T.E.	Sable
14)	Ranjane Sandhya Sanjay	T.E.	Ranjane
15)	Kendhe Sainath Tatarao	T.E.	Kendhe
16)	Dagade Aditya Sachish	D.S.Y	Dagade
17)	ROHAN laxman Gole	S.Y	Gole
18)	Avinash Dinkar Patthe	S.Y	Patthe
19)	Datta Balaso Yaday	d.S.Y	Datta
20)	Dhanraj vijay Barke	d.S.Y	Dhanraj
21)	Vicky Vinod sharma.	d.S.Y.	sharma
22)	Pratik Sambhaji Khutwad	S.Y.	Khutwad
23)	Jaysing Ganesh kamble		
24)	Siddhu Rajendra Pawar	S.Y.	Sopawar



25)	Mokashi Payal Vasant	SY	P. Mokashi
26	Kadam Vrshali Jaywant	SY	V. Kadam
27]	Bondre Harli Ganesh	S.Y	H. Bondre
28]	Gnehal Shilving Guttedan	SY	G. Guttedan
29]	Chaitrali Snehi Kulkarni	S.Y	S. Kulkarni
20	Shrutika Vijay Veerpatil	SY	S. Veerpatil
31]	Abhijit Rasendra Jagdale	SY	A. Jagdale
32)	Khandale Kamlesh Krishna	D.S.Y	K. Khandale
33]	Rohan Chandrakant Tamkar	D.S.Y	R. Tamkar
34)	Avinish Tarachand Salkar	D.S.Y	A. Salkar
35)	Yash Ramesh Dhawale	D.S.Y	Y. Dhawale
36]	Prem Mohan More	S.Y	P. More
37]	Rahul Sambhaji Butar	S.Y	R. Butar
38]	Manoj Anand Gole	S.Y	M. Gole
39]	Dnyandatt Sachin Bandal	D-S-Y	D. Bandal
40]	Kimanshu Yuvraj Sapkal	SY	K. Sapkal
41]	Prem Hemant Tathe	SY	P. Tathe
42]	Shrawari Laxman Uhalakar.	S.Y.	S. Uhalakar
43]	Gauri Tukaram Mohite.	S.Y	G. Mohite
44]	Aayush Bhanudas Kate.	S.Y	A. Kate





Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra and Affiliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engg./376/2009), DTE CODE: EN6324, AISHE CODE : C-41588



Since - 1972

Anantrao Thopte
Founder President, Ex. Edu. Minister

Sangram Thopte
MLA, Executive President

Dr. Bhagyashri Patil
Hon. Secretary

Dr. S. B. Patil
Principal

APPRECIATION LETTER

To,

Mr. Alok Sasane ,

Cad Centre Pvt. Ltd.

Pune

On behalf of the Rajgad Dnyanpeeth's Shri Chhatrapati College of Engineering Dhangwadi, Pune, we wanted to express our deep gratitude to you for conduction of Guest Lecture on the topic "Introduction to Auto Cad Software" on 14th October 2022. It was really informative and useful. Definitely all the participants have benefited from your talk.

We are very much thankful to you for making it convenient to be with us.

Once again, thank you for making the webinar successful, and we expecting your continues support in future also.

Your's truly,


14/10/2022

Prof. S. P. Salunkhe

Head, Department of Civil Engineering



Prof. Dr. S. B. Patil

Principal

RD's SCSCOE Pune

Received
Alok
14/10/22





Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal- Bhor, Dist- Pune

Date: 20/01/2023

NOTICE

All faculty members of first year engineering department are here by inform that we are going to arrange Quiz Competition on 31/01/2023 on unit-I of each subject. In this concern submit the soft copy of 15 questions with four options and its correct solution to Prof. B.P. Tapare of FE department on or before 30th Jan 2023. Kindly forward soft copy of your question bank on tapare.rajgad11@gmail.com.

Sr. No	Subject	Name of Subject Teacher	Signature
1.	Engineering Mathematics-I	Prof. J. G. Kale	
		Prof. G. H. Fartade	
2.	Engineering Physics	Prof. R. B. Raut	
3.	Engineering Chemistry	Prof. A. K. Kondhalkar	
4.	Basic Electrical Engineering	Prof. T. M. Dudhane	
5.	Engineering Mechanics	Prof. A. B. Pol	
6.	System in Mechanical Engineering	Prof. L. P. Maske-Patil	
7.	Programming and Problem Solving	Prof. B. D. Thorat	

Prof. Tapare B. P.
**Departmental Quiz
Coordinator**



Prof. Kale J.G.
HOD F.E
Head of Department
First Year Engineering
Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune-412206



Date: 25 / 01 / 2023

NOTICE

All faculty members of first year engineering department are here by inform that on the occasion of Quiz Competition scheduled on 31/01/2023 at 3.00 P.M in seminar hall, the responsibilities in that event are distributed as follows.

Sr.No	Name	Responsibility	Signature
1.	Mr. Gaikwad Rohit	Seating Arrangement (Arranging Chairs; Mike; Projector; Black board)	
2.	Prof. G. H. Fartade	Anchoring (Announcement of questions)	
3.	Prof. B. P. Tapare	Displaying PPT 's	
3.	Prof. R. B. Raut Prof. A. R. Bobade	Response checker in buzzer round	
4.	Prof. R. B. Raut	Updating division wise Score	
5.	Prof. J.G. Kale	Subject Expert of M-I	
6.	Prof. R. B. Raut	Subject Expert of Physics and Mechanics	
7.	Prof. A.K Kondhalkar	Subject Expert of Chemistry	
8.	Prof. J.J Bandal	Subject Expert of BEE	
10.	Prof. D. B. Shelake	Subject Expert of SME	
11.	Prof. B. D. Thorat	Subject Expert of PPS	

Prof. Tapare B. P.

Departmental Quiz Coordinator



Prof. Kale J. G.

HOD F.E
Head of Department
First Year Engineering
Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune-412206



Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal- Bhore, Dist- Pune

Date: 20/01/2023

NOTICE

All students of First Year Engineering hereby inform that, we are arranging "Quiz Competition on 31/01/2023 at seminar hall from 3.00 PM onwards.

Attendance is compulsory to all students.



Prof. Tapare B. P.
**Departmental Quiz
Coordinator**

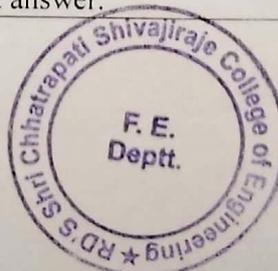
Prof. Kale J. C.
HOD F.E
Head of Department
First Year Engineering
Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune-412206



Department : First Year Engineering

RULES OF QUIZ COMPETITION 2022-23 (Sem-I)

Round 1	<ul style="list-style-type: none">❖ Buzzer Round – Eight questions in all➤ 8 questions will be fired at all the teams one after another.➤ The teams can discuss among themselves and then press the buzzer/bell to answer the question first. No discussion is allowed after pressing the buzzer.➤ The team that presses the buzzer/bell first gets a chance to answer it.➤ 10 points for the correct answer and minus 5 points for the wrong answer.➤ If a team doesn't answer or gives a wrong answers after they press buzzer they also lose 5 points.➤ If a team presses the buzzer before the question is over they will be asked to answer it without the question being completed.➤ The question has to be answered in 30 seconds.➤ If a question is not answered by the first team who pressed the bell. The team that pressed the bell next gets to answer.➤ There are no choices in this round.➤ If two teams press the buzzer/bell together there will be a pull of cards to decide who gets the chance to answer if. If the first team answers it correctly they get a point. If they give a wrong answer they lose 5 points and the next team that pressed the buzzer gets to answer.
Round 2	<ul style="list-style-type: none">❖ Compulsory Questions – Each team quota of 4 questions.➤ In this round each team has its own quota of 4 questions and other questions passed to it from the previous team that did not answer.➤ A team gets 30 seconds to answer the question intended for it, and is awarded 20 points for answering it.➤ If the team, the question intended for gives a wrong answer, the quiz master will give the correct answer.



	<ul style="list-style-type: none"> ➤ If the team that the question intended for passes it. The next teams get 15 seconds to answer it and is awarded 10 points for the right answer. ➤ The team members can discuss before giving the answer. ➤ If a team cannot answer a question they can pass it or after 30 seconds it gets automatically passed to the next team. ➤ If a team is answering a question and the time passes, then the team gets to complete the answer and is awarded points for the right answer. ➤ There is no negative marking for wrong answer. ➤ No buzzer is used in this round
Round 3	<ul style="list-style-type: none"> ❖ Scholars Round - Each team quota of 4 questions. ➤ In this round each team has selected only scholars students they play the game. ➤ Same rule as raound-2
Round 4	<ul style="list-style-type: none"> ❖ In case of a tie. ➤ In case of a tie after the 4th round, the tied teams get into a buzzer/bell round. ➤ Rules are similar to buzzer round. ➤ If a team answer right they get 25 points. If they answer wrong they get minus 25 points.



Rajgad Dnyanpeeth's
Shri Chhatrapati ShivajiRaje College of Engineering,
Dhangwadi, Pune

FE SYLLABUS QUIZ

Academic Year: 2022-23 (Sem-I)
DEPARTMENT OF FIRST YEAR ENGINEERING

ROUND 1

BUZZER ROUND



M-I QUESTION NO.1

Q If $u = \sin^{-1}\left(\frac{x^2+y^2}{x+y}\right)$ is homogeneous function of degree.....

- A. 1
- B. $\frac{1}{2}$
- C. 2
- D. 0

M-I QUESTION NO.2

Q If $u = x^y$, then $\frac{du}{dy}$ is equal to.....

- A. 0
- B. yx^{y-1}
- C. $x^y \log y$
- D. None

MI QUESTION NO.3

Q Two functions $u(x, y)$ and $v(x, y)$ are functionally dependent if their jacobian $\frac{\partial(u, v)}{\partial(x, y)}$ is equal to

- A. 1
- B. 0
- C. xy
- D. uv

M-I QUESTION NO.4

Q With usual notations, the condition of maximum for function of two variable is

- A. $rx - s^2 < 0$ and $r > 0$
- B. $rx - s^2 = 0$ and $r > 0$
- C. $rx - s^2 > 0$ and $r < 0$
- D. None



EXTRA M-I
QUESTION NO.5

Q If $u = x^2 + y^2$ and $v = 2xy$ then the value of $\frac{\partial(u,v)}{\partial(x,y)}$ is

- A. $4(x^2 + y^2)$
- B. $-4(x^2 + y^2)$
- C. $4(x^2 - y^2)$
- D. 0

EXTRA M-I
QUESTION NO.6

Q The percentage error in the area of a rectangle when an error of 1% is made in measuring its length and breadth is

- A. 1%
- B. 2%
- C. 0
- D. 3%

SME
QUESTION NO.7

Q Connecting rods are generally of following form _____

- A. Forged I section
- B. Forged round section
- C. Cast iron round section
- D. Forged C section

SME
QUESTION NO.8

Q When No.1 piston of 4 cylinder inline engine is performing the power stroke then No.4 piston is on the stroke called _____

- A. exhaust
- B. Suction
- C. compression
- D. power

SME
QUESTION NO.9

Q A 4*4 drive vehicle implies that

- A. it has 4*4=16 wheels
- B. it has 4 spare wheels and 4 road wheels
- C. it has 4 wheels out of 4 are drive wheels
- D. none of the above

SME
QUESTION NO.10

Q 1 H.P. is equal to ----- watts

- A. 810
- B. 545
- C. 634
- D. 746



EXTRA SME
QUESTION NO.11

Which type of wheels are preferred in a sport car

- A. disc
- B. wire
- C. magnesium alloy
- D. Al alloy

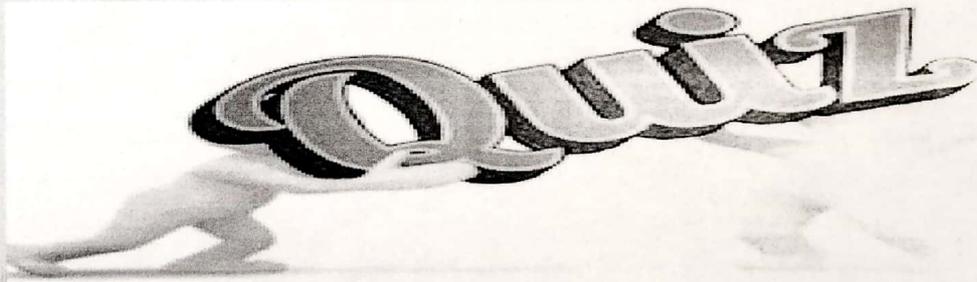
EXTRA SME
QUESTION NO.12

Which suspension type is famous in passenger cars

- A. Leaf spring
- B. Air suspension
- C. Mac pherson
- D. All of above

ROUND 2

COMPULSORY
ROUND



Chem
QUESTION NO.13

Bomb calorimeter is used to determine _____

- A. GCV at constant pressure
- B. GCV at constant volume
- C. NCV at constant pressure
- D. NCV at constant volume

Chem
QUESTION NO.14

Which of the following has property of absorbing water _____

- A. KOH solution
- B. BaCl_2
- C. Anhydrous CaCl_2
- D. Sulphuric acid



EXTRA Chem
QUESTION NO.15

CNG is used for _____

- A. Power generation
- B. Electric generators
- C. Solvent
- D. Universal solvent

EXTRA Chem
QUESTION NO.16

Electrochemical corrosion takes place on _____

- A. Anodic area
- B. Cathodic area
- C. Near anode
- D. Near cathod

Phy
QUESTION NO.17

The concept of matter wave was suggested by _____

- A. Heisenberg
- B. de Broglie
- C. Schrodinger
- D. Laplace

Phy
QUESTION NO.18

The square of the magnitude of the wave function is called _____

- A. current density
- B. zero density
- C. volume density
- D. probability density

EXTRA Phy
QUESTION NO.19

Intrinsic semiconductor at room temperature will have, available for conduction

- A. Electrons
- B. Holes
- C. Both electrons and holes
- D. None of the above

EXTRA Phy
QUESTION NO.20

That radiation and matter have properties both of particles and of waves is called what?

- A. Mixing
- B. Confusion
- C. Wave-particle duality
- D. Entanglement



BXE
QUESTION NO.21

Q If lower voltage level represents logic 0 and higher voltage level represents logic 1, the system is called _____ logic system.

- A. positive
- B. negative
- C. neutral

BXE
QUESTION NO.22

Q A _____ gate represents a complement function.

- A. NOT
- B. NOR
- C. NAND

EXTRA BXE
QUESTION NO.23

Q A 14 pin NOT gate IC has _____ NOT gates.

- A. 8
- B. 6
- C. 5
- D. 4

EXTRA BXE
QUESTION NO.24

Q The _____ circuits do not contain any memory elements

- A. combinational
- B. sequential
- C. none of these

PPS
QUESTION NO.25

Q Which of the following refers to mathematical function?

- A. Sqrt
- B. Rhombus
- C. Add
- D. None of these

PPS
QUESTION NO.26

Q What will be the output of the following Python code?

1. `>>>str1="helloworld"`
2. `>>>str1[::1]`

- A. Dlrowolleh
- B. Hello
- C. World
- D. helloworld



Extra PPS
QUESTION NO.27

☞ Which of the following is the use of function in python?

- A. Functions are reusable pieces of programs
- B. Functions don't provide better modularity for your application
- C. you can't also create your own functions
- D. All of the mentioned

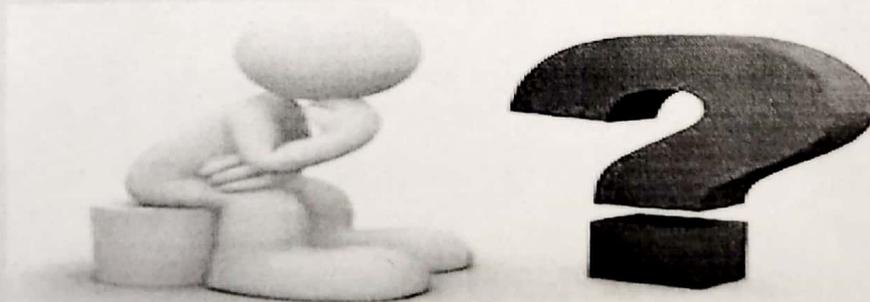
EXTRA PPS
QUESTION NO.28

☞ What are the two main types of functions?

- A. Custom function
- B. Built-in function & User defined function
- C. User function
- D. System function

ROUND 3

SCHOLARS ROUND



M-I
QUESTION NO.29

Q. If $u = f\left(\frac{y}{x}\right)$ then

- A. $x \frac{\partial u}{\partial x} - \frac{\partial u}{\partial y} = 0$
- B. $x \frac{\partial u}{\partial x} + y \frac{\partial u}{\partial y} = 0$
- C. $x \frac{\partial u}{\partial x} + y \frac{\partial u}{\partial y} = 1$
- D. $y \frac{\partial u}{\partial x} + x \frac{\partial u}{\partial y} = 0$

EXTRA M-I
QUESTION NO.30

Q. If $f(x, y) = 0$ then $\frac{dy}{dx}$ is equal to

- A. $\frac{\left(\frac{\partial f}{\partial x}\right)}{\left(\frac{\partial f}{\partial y}\right)}$
- B. $\frac{\left(\frac{\partial f}{\partial y}\right)}{\left(\frac{\partial f}{\partial x}\right)}$
- C. $-\frac{\left(\frac{\partial f}{\partial y}\right)}{\left(\frac{\partial f}{\partial x}\right)}$
- D. $-\frac{\left(\frac{\partial f}{\partial x}\right)}{\left(\frac{\partial f}{\partial y}\right)}$

SME
QUESTION NO.31

Q. Which of these is not a part of transmission system

- A. clutch
- B. axles
- C. wheels
- D. gear box

EXTRA SME
QUESTION NO.32

Q. In a diesel cycle engine combustion occurs at constant

- A. Pressure
- B. Volume
- C. temperature
- D. heat

EM
QUESTION NO.33

Q. Which of the following is correct for the stability of equilibrium configuration?

- A. The application of the conditions of the equilibrium of the body is valid only in the 2D
- B. The application of the conditions of the equilibrium of the body is valid only in the 3D
- C. The application of the conditions of the equilibrium of the body is valid only in the 1D
- D. The application of the conditions of the equilibrium of the body is valid throughout

EXTRA EM
QUESTION NO.34

Q. If a truss consists of 8 joints, 10 members and 4 reaction components then, it is a

- A. cantilever truss
- B. deficient truss
- C. redundant truss
- D. none of the above



PPS
QUESTION NO.35

Q What arithmetic operators cannot be used with strings?

- A. +
- B. -
- C. *
- D. All of the mentioned

EXTRA PPS
QUESTION NO.36

Q What will be the output of the following Python code?

```
1. def cube(x):  
2.     return x * x * x  
3. x = cube(3)  
4. print x
```

- A. 9
- B. 3
- C. 27
- D. 30

Chem
QUESTION NO.37

Q The enzyme which converts glucose, fructose into ethyl alcohol-----

- A. Invertase
- B. Zymase
- C. Lypase
- D. Pepsin

EXTRA Chem
QUESTION NO.38

Q Chemical formula of rust is _____

- A. Fe_2O_3
- B. FeO
- C. Fe_3O_4
- D. $Fe_2O_3 \cdot xH_2O$

Phy
QUESTION NO.39

Q The operator ∇ is called _____ operator

- A. vector
- B. Hamiltonian
- C. Laplacian
- D. Poisson

EXTRA Phy
QUESTION NO.40

Q The function representing matter waves must be _____

- A. complex
- B. real
- C. Zero
- D. infinity



BXE
QUESTION NO.41

Q When all the inputs of a NAND gate are zero, the output of it is ____.

- A. High
- B. Low
- C. None

EXTRA BXE
QUESTION NO.42

Q A NOT gate has _____.

- A. two inputs and one output
- B. one input and one output
- C. one input and two output
- D. none of above

PPS
QUESTION NO.43

Q Where is function defined?

- A. Module
- B. Class
- C. Another function
- D. All of the mentioned

EXTRA PPS
QUESTION NO.44

Q What will be the output of the following Python code?

1. >>> str1 = 'hello'
2. >>> str2 = '/'
3. >>> str3 = 'world'
4. >>> str1[-1:]

- A. 0lleh
- B. Hello
- C. H
- D. o

EXTRA M-I
QUESTION NO.45

Q If $u = \sin^{-1}\left(\frac{\sqrt{x^2+y^2}}{x+y}\right)$ is homogeneous function of degree

- A. 1
- B. $\frac{1}{2}$
- C. 2
- D. 0

EXTRA M-I
QUESTION NO.46

Q If $\phi(x,y,z) = 0$ then $\left(\frac{\partial z}{\partial y}\right)_x \left(\frac{\partial x}{\partial z}\right)_y \left(\frac{\partial y}{\partial x}\right)_z$ is equal to

- A. 0
- B. 1
- C. -1
- D. 2



EXTRA M-I
QUESTION NO.47

Q With usual notations, the saddle Point present in function of two variable is

- A. $rt - s^2 = 0$
- B. $rt - s^2 > 0$
- C. $rt - s^2 < 0$
- D. None

EXTRA SME
QUESTION NO.48

Q What was the initial price tag of TATA Nano

- A. Rs. 500000
- B. Rs.300000
- C. Rs.150000
- D. Rs.100000

EXTRA SME
QUESTION NO.49

Q Actual power delivered by the engine is known as

- A. Shaft power
- B. Indicated power
- C. Brake horse power
- D. None of the above

EXTRA SME
QUESTION NO.50

Q Engine pistons are generally made of Al alloy because _____

- A. It is lighter
- B. It is stronger
- C. It has less wear
- D. It absorbs shock

END





Quiz Competition Answer Sheet
Department : First Year Engineering
Academic Year: 2022-23

Que. No	Subject	Answer
Round-I		
1	M-I	D
2	M-I	C
3	M-I	B
4	M-I	C
5	Extra M-I	A
6	Extra M-I	B
7	SME	A
8	SME	B
9	SME	C
10	SME	D
11	Extra SME	C
12	Extra SME	C
Round-II		
13	Chem	B
14	Chem	C
15	Extra Chem	A
16	Extra Chem	D
17	Phy	B
18	Phy	D
19	Extra Phy	C
20	Extra Phy	C
21	BXE	A
22	BXE	A
23	Extra BXE	B
24	Extra BXE	A
25	PPS	A

Que. No	Subject	Answer
26	PPS	c
27	Extra PPS	A
28	Extra PPS	B
Round-III		
29	M-I	B
30	Extra M-I	D
31	SME	C
32	Extra SME	A
33	EM	D
34	Extra EM	B
35	PPS	C
36	Extra PPS	C
37	Chem	B
38	Extra Chem	D
39	Phy	C
40	Extra Phy	A
41	BXE	A
42	Extra BXE	B
43	PPS	D
44	Extra PPS	D
45	Extra M-I	D
46	Extra M-I	C
47	Extra M-I	C
48	Extra SME	D
49	Extra SME	C
50	Extra SME	A
End		





Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal- Bhor, Dist- Pune (Maharashtra)

Date : 31/01/2023

Department : First Year Engineering ATTENDANCE DURING QUIZ COMPITITION (Div-A, B & C)

Sr. No.	Name of Student	Sign
1	Shinde sanika Ravindra	Shinde
2	Nidhan Brijesh Mishra	Nidhan
3	Kadekar Rihan Innuksan	Kadekar
4	Pardeshi Harsh Santosh	Pardeshi
5	Kharat Sonali Baban	Kharat
6	Katkar Shivani sudam.	Katkar
7	Mandhare Diya Sitaram	DSM
8	chandanshiv Priyanka santosh	Chandanshiv
9	Bhosale Vaishnavi Vijay	Bhosale
10	Selekar swapnil shivaji	Selekar
11	Mulik Aditya Koushna	Mulik
12	Khatwad Rohan Mohan	Khatwad
13	Sarode Namrata Bhimraj	Sarode
14	Thopate Shweta Ramesh.	S.R.Thopate
15	Sonawane Rutuja Prasad	Rutuja
16	Shinde Siddhi Ramachandra.	Shinde
17	S Mandhare Diya Sitaram	Smandhare
18	Mandhare Nisha Rohidas	Mandhare
19	Grod vaishnavi Dada.	Grod
20	Patil Kalyani Pramod	Patil
21	Bagal Mayuraj Santosh	Bagal
22	Bhosale Vaishnavi Vijay	Bhosale
23	Shinde Pournima Pandurang	Shinde
24	Jagtap sanika santosh	Jagtap
25	Ravalekar Tanvi Shamrao	Ravalekar
26	Bhandalkar Pragati Krushna	Bhandalkar
27	Petkar Pooja Suresh	Petkar
28	Nimbalkar Shivani Rajendra	Nimbalkar
29	Sonawane Prayakta shivaji	Sonawane
30	Uvale Anagha Yogesh	Uvale
31	Jorgal Shrutika horakh	S.H.Jorgal
32	Mahedik Veibhavi chandrakant	Mahedik
33	Kharat Sonali Baban	Kharat
34	Jambe Vaishnavi Arjun	Jambe





Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

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Date: 31/01/2023

Department : First Year Engineering ATTENDANCE DURING QUIZ COMPITITION (Div-A, B & C)

Sr. No.	Name of Student	Sign
1	Harshada Kubir Tarange	
2	Payal sanjay more	
3	Swamini Maruti Bhor	
4	Asmita Rajendra Bandal	
5	Sarode Namrata Bhimraj	
6	Shelke Sakshi Vilas	
7	Aditya Santosh Mangade	
8	Pratik Himmat Jadhav	
9	AKSHAY Ramkisan Gihule	
10	Harshvardhan Nemichand Mahajan	
11	Jadhav Jaydip Dhanondaji	
12	Chakrate Mayur Anand	
13	Parthe Mayur Jagannath	
14	Ghorpade Sandeep Sanjay	
15	Shreyash Uddhav Lawate	
16	CHAUDHARI PRATHAMESH SANTOSH	
17	Kodekar Rihon Imurkhan	
18	Pujari Vishal Vilas	
19	Junghe Hemant Shankar	
20	Galande Rohit Navnath	
21	Tingare Aditya Vitthal	
22	Virkar Vivek Vinayak	
23	Ranveer Rajendra Patil	
24	Vatac Vyankatesh Patil	
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Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal- Bhor, Dist- Pune (Maharashtra)

	Que. No	Subject	Marksheet for quiz competition		
			A	B	C
Buzzer Round	1	M-I	-	-	10
	2	M-I	10	-	-
	3	M-I	-	-	10
	4	M-I	-	10	-
	5	SME	-	-	10
	6	SME	10	-	-
	7	SME	-	10	-
	8	SME	-	-	10
Compulsory Questions	9	Chem	10	-	-
	10	Chem	10	-	-
	11	Phy	-	10	-
	12	Phy	-	-	10
	13	BXE	10	-	-
	14	BXE	-	10	-
	15	EM	-	-	10
	16	PPS	-	10	-
Scholars Round	21	M-I	10	-	-
	22	SME	10	-	-
	23	EM	-	10	-
	24	PPS	-	-	10
	25	Chem	-	10	-
	26	Phy	-	-	10
	27	BXE	10	-	-
	28	PPS	-	-	10
	29	Other			
	30	Other			
Total Score			80	70	90

A-20
B-20
C-40

A-30
B-30
C-20

A-30
B-20
C-30





Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engineering
Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal- Bhor, Dist- Pune (Maharashtra)

Quiz Competition
Department : First Year Engineering
Academic Year: 2022-23

Sr. No.	Result of Event	Div	Remark / Sign
1	Winner	Div-C	
2	Runner Up	Div-A	

Prof. B. P. Tapare
Event Co-ordinator

Prof. A. G. Kale
HOD (FE)
Head of Department
First Year Engineering
Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune-412206





Department : First Year Engineering

REPORT OF QUIZ COMPETITION 2021-22 (Sem-I)

Date: - 31/01/2023

1. **Department:** First Year Engineering
2. **Day & Date:** Thursday, 31st Jan 2023
3. **Event Coordinator:** Prof. J. G. Kale
4. **Departmental Event Coordinator:** Prof. B. P. Tapare
5. **Designation:** Asst. Professor
6. **Subject:** All Subjects.
7. **Class:** First Year (Div A, B & C).
8. **Purpose:** Encourages team work

Objective:

The Main objective of the Quiz competition was to improve knowledge base of student and to know our guesswork and ability to crack questions through hints improves. With practicing quizzes, students can do critical thinking, and get into a habit of innovative learning. This will help students to perform and enables students to think from different angles or simply 'to think out of the box.

Description:

The "Quiz Competition-2022-23 (SEM-I)" was opened by Head of Department Prof. J. G. Kale in presence of faculty members and students. Total 3 rounds were conducted in Quiz Competition. 3 Rounds were held which included technical questions related to their subjects. There were four members in the jury committee. The final evaluation process was completed by jury members. Prof. R. B. Raut announced the winner of competition which is Div-C (FE).

Conclusion:

This competition has provided a platform to the budding engineers to showcase their knowledge and smart ideas to compete in Quiz competition. Improvement in student's confidence to face questions is seen during the quiz.



The following photographs show the sweet memories of this event.

Event Photos:




Prof. B. P. Tapare
Coordinator


Prof. J. G. Kale
HOD (F.E.)
Head of Department
First Year Engineering
Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune-412206


Prof. Dr. S. B. Patil
Principal
Principal
Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engg.,
Dhangawadi, Pune-412 205



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bor, Dist- Pune (Maharashtra)

Criterion 2 – Teaching Learning & Evaluation

Key Indicator – 2.3.1 Teaching and Learning

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

INDUSTRY SPONSERED PROJECT DETAILS A.Y 2022-23

Sr.No.	Name Of Department	Title of the Project	Student List	Name of the Sponsoring Firm
1	CIVIL	Retrofitting Of RC beams Using Ferrocement Jacketing	Miss.Kale Rutuja Dyaneshwa Miss Shilimkar Monika Uday Mr.Lokhande Vaibhav Dilip Pharande Atish Ashok Shinde Aditya Nandkumar	Constrotrait Material Testing & Services LLP, Songirwadi Wai, Tal-Wai,Dist-Satara
2	CIVIL	Dam safety and instrumentation	Pawar Sayali Ravindra Pisal Snehal Chandrashekhar Bhandalkar Puja Mansing Budhe Ganesh Dnyandev Powar Namdev Timanna	Government of Maharashtra, Water Resource Department, Gunjawani, Taluka Velhe, Dist Pune
3	CIVIL	A Case Study on Partial Replacement of Fine Aggregate by Waste Tyre Crumb Rubber in Concrete	Taru Ganesh Krushnakant Kukade Manoj Arvind Jamdhade Sanket Prakash Tank Kartik Chandrakant More Gouri Pravin	Neilsoft Pvt. Ltd., Pune
4	CIVIL	Utilization of Waste Material for	Mr.Shreeraj Vijay Adsul Mr.Shubham Navnath	AKAR Construction



		Manufacturing of Bricks	Pansare Mr.Mujeed Arshad Kazi Mr.Aniket Keshav Chavan	Shirwal
5	E&TC	Android Based Home Automation	Ghatkamble Sandeep Pawar Ganesh Bhimanavaru Basavraj	Swara Enterprises , Ratnagiri
6	E&TC	Ask Me Display Board using Raspberry Pi	Dudhane Teias Tanaji Babar Rutuja Pradip Patil Archana Mahadeo	Swara Enterprises , Ratnagiri
7	E&TC	RFID and IOT Based attendance monitoring system	Devkar Poonam Walhekar Komal Kanase Payal	Swara Enterprises , Ratnagiri
8	E&TC	Smart Trolley using Barcode & IOT	Abhijeet Dhonde Kashid Dipali Komal Malekar	Swara Enterprises , Ratnagiri
9	MECHANICAL	Resolving Scorch Issue from Rubber	Akansha Vijay Bhosale Adarsh Santosh Shinde Raviraj Shrikant Jadhav Prasad Pratap Ubale	Datwyler Pharma Packaging India Pvt. Ltd
10	MECHANICAL	Design and Development of Automobile Parking brake system for passenger car.	Chirag Rajesh Gujar Ashraf Shabbir Mujawar Sairaj Ramdas Karve Jagdish Manik Wadkar.	Sahyadri Auto Shirwal.
11	MECHANICAL	AD Blue Plastic Pipe Cutting Machine	Mahadev Asaram Korde Pravin Dadasaheb Borkar	ParekhPlast India Pvt. Ltd.
12	MECHANICAL	Road Cleaning Machine	Omkar Santosh Karande. Shubham Sudhir Kamble Omkar Chandrakant Pednekar Vaibhavi Pradip Kadam	Siddhivinayak Ciporex Pvt. Ltd.



CERTIFICATE



DATE: 03/12/2022

To,
Date: 3 DEC 2022
Rajgad Dnyanpeeth
Shri Chhatrapati Shivajiraje College of Engineering,
Dhangawadi, Bhore

Subject:- About Project Sponsorship To Below Mention Students:

GUJAR CHIRAG RAJESH

B190710827

MUJAWAR ASHRAF SHABBIR

B190710850

KARVE SAIRAJ RAMDAS

B190710841

WADKAR JAGDISH MANIK

B190710885

I agree to give sponsorship for above students of University of Pune Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering These Students works on Project of **Design and Development of Automatic Parking Brake System For Passenger Car.**

NH-4 Satara-pune Highways, Near Tube company, Shirwal, Tal khandata, Dist - Satara
Email: sahyadriautoshirwal@gmail.com



DATWYLER

Date: 10 May 2023

To,

Rajgad Dnyanpeeth

Shri. Chhatrapati Shivajiraje College of Engineering,

Dhangawadi, Bhor.

Subject:- About Complition Of Given Task To Below Mention Students;

1. Akanksha Vijay Bhosale.
2. Adarsh Santosh Shinde.
3. Raviraj Shrikant Jadhav.
4. Prasad Pratap Ubale.

The Given sponsorship for above students of Univercity of Pune Rajgad Dnyanpeeth's Shri. Chhatrapati Shivajiraje College Of Engineering. These Students works on project "RESOVLING SCORCH ISSUE FROM RUBBER". They are sucessfully completed given task within time limit & it helps us for production as well as company profit.

Ankur Agarwal
10 May 2023

Ankur Agarwal

HOD of Mixing Department

Datwyler Pharma Packaging India Pvt. Ltd.

Plot No. 5, Khandala SEZ (Phase-1), MIDC Kesurdi, District-Satara, Maharashtra, Pin - 412801, India.

www.datwyler.com Boardline : 02162 - 398239



Govt. of Maharashtra
Water Resources Department
Assistant Engineer (Grade-I) ,
Gunjawani Sub Division No.1, Dhanep,
Tal.Velhe, Dist.Pune

Phone No-02113-202020 Email ID- niradeoghar@gmail.com

Inword.No.G.S.D.No.1/PB/1250/2023

Date :- 15 /05 /2023

To,

Principal,

Shri. Chatrapati Shivajiraje College of Engineering
Dhangawadi, Tal.Bhor, Dist. Pune

Sub:- Offering sponsorship to the project work.

Ref :- Your email letter on the date 08/08/2022.

Respected Sir,

The correspondance is issued as per requirement of following of your college..

Sr. No.	Name of Students
1	Miss. Bhandalkar Puja Mansingh
2	Mr. Budhe Ganesh Dnyandev
3	Mr. Powar Namdev Timanna
4	Miss. Pawar Sayali Ravindra
5	Miss. Pisal Snehal Chandrashekar

Above Students are interested and due Case study of dam safety instrumentation. So our from sponsoring we are going to provide estimate, plan and modelling details and with funding of Rs. 50,000/- the concept of projects help us to implementing safety instruments awareness about the Digital Monitoring instrument. We are providing all technical Data and guidance and experts for required project work. This all instruments are used for dam safety and gives quick data to digital control room.

The amount of Rs. 50,000/- is funding amount for the project by the government looks forward for successfully completion of the project.


Assistant Engineer (Grade-1) ,
Gunjawani Sub Division No.1,
Dhanep, Tal.Velhe, Dist.Pune



CONSTROTRAIT

MATERIAL TESTING AND SERVICES LLP



ISO/IEC 17025:2017 Accredited Testing Laboratory by National Accreditation Board for Testing and Calibration Laboratories (NABL) Vide certificate number TC-11392

SPONSORSHIP LETTER

To,

The Principal,

Rajgad Dnyanpeeths Shri Chhatrapati Shivajiraje College of Engineering, Bhor

PIN-412206

Subject : Offering sponsorship to the project work.

Respected sir,

This correspondence is issued as per requirement of following of your college,

- 1) Miss. Rutuja Dnyaneshwar Kale
- 2) Miss. Monika Uday Shilimkar
- 3) Mr. Vaibhav Dilip Lokhande
- 4) Mr. Atish Ashok Pharande
- 5) Mr. Aditya Nandkumar Shinde

Above students are interested in work with us regarding site work, our firm sponsoring Casting of beams using ferrocement jacketing with the funding of Rs.18000. The concept of project helps us for rehabilitation of RC Members by using ferrocement jacketing. We are providing all technical data and guidance of experts for required project work. This concept is used for strengthening of RC structural Memberst work.

The amount of Rs.18000/- is funding amount for the project by our company and looks forward for Successful completion of the project



Authorised Signatory

(M.N.Gaikwad)

"A good laboratory is the foundation for quality construction."

📍 S.No.57/2B/3, Near Virat Nagar Bus Stop, Songirwadi, Wai-412803

✉️ constrotrait@gmail.com 🌐 www.constrotrait.com

☎️ +91 8983277895 | +91 9011062085 | +91 9422605250



SmartBit

Smartness to your world

1. ITHAPE SHREYA SANTOSH
2. GUJAR SAYALI SATISH
3. SURYAWANSHI KOMAL BANUDAS
4. YELE PRATIKSHA JAGDISH

Subject: Project Sponsorship

Dear Student

In reference to your application we would like to congratulate you on being selected for sponsorship with **SmartBit InfoTech** based at **PUNE** your training is scheduled to start effective **20/09/2022** for a period of 09 months. All of us at **SmartBit InfoTech** are excited that you will be joining our team!

As such, your sponsorship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts through hands-on application of the knowledge you learned in class. We are offering the 5000/- fund for your project.

The project details and technical platform will be shared with you on or before Commencement of training

You should report for training at the following address:

**SmartBit InfoTech,
Amey Apartment, New D.P Road,
Near Allahabad Bank, New D P Road, Ward
Aundh Pune 411007**

Again, congratulations and we look forward to working with you.



Director
www.smartbitinfotech.in

support@smartbitinfotech.in

5, Amaya Apartment, New D.P. Road, Aundh, Pune
411007

+91 7066309722

+91 9423966686



Date: 23/10/2022

To
The Principal,
RDTC's SCSCOE, Dhangawadi
Pune.

Subject: Letter of Sponsorship for academic project

This is to certify that the below mentioned students are working with us on the project "**Blood Donation Management System Using Blockchain Technology**". We would like to offer them a platform to nurture their skills & work on the project under our guidance. By becoming a part of this sponsorship program, following students abide to work on the mentioned technologies to execute their project with the help of technical experts' mentorship and training. Institute's assent for allowing them to work with us is appreciated. We are offering the fund 6000/- for their project.

- I. Attar Asfiyan Nazim
- II. Dhadave Pragati Uddesh
- III. Kanade Chetan Datta
- IV. Sonawane Shivam Laxman

Yours Sincerely,
Authorit by



Mr.Pravin Padole
Computer Division
ProError Software Solutions
Office No.20 Akshay Square
Near Bank of Maharashtra Narhe
Pune-41
Contact-9504030306

info@proerror.com

www.proerror.com



Swara Enterprises

Shop No.02,Amrutvel Complex,Nachane Road
Ratnagiri,415612

Mobile 9922948572

Email:swaraenterprisertn@gmail.com

Ref: SE/SPN/112/2023

Date: 21/05/2023

SPONSORSHIP LETTER

To,

The Principal

Rajgad Dnyanpeeth's Chhatrapati Shivajiraje College of Engineering,

Dhangwadi,Bhor Pune

PIN Code -412206

Subject: Offering Sponsorship to the project work

Respected Sir,

This correspondence is issued as per requirement of following of your college,

Devkar Poonam

Walhekar Komal

Kanse Payal

Above students interested to work with us regarding a project assigned to our company, thus we are sponsoring their project-

RFID and IoT Based attendance monitoring system

We are providing financial support to complete this project, as well as technical data & Expert guidance required for this project work. This project is useful in every school, malls, and hospitals having large area. The amount of Rs.15000/- is funding amount for project by our company. We are looking forward for completion of the project.

DIRECTOR

Mrs.Sandhya S.Nalage

Swara Enterprises

Prop. Mrs. Sandhya S. Nalage
Shop No. 02, Amrutvel Complex,
Ratnagiri - 415 612
M. 9922948572 / 9511760210



Swara Enterprises

Shop No.02,Amrutvel Complex,Nachane Road
Ratnagiri,415612

Mobile 9922948572

Email:swaraenterprisertr@gmail.com

Ref: SE/SPN/113/2023

Date: 21/05/2023

SPONSORSHIP LETTER

To,

The Principal

Rajgad Dnyanpeeth's Chhatrapati Shivajiraje College of Engineering,

Dhangwadi,Bhor Pune

PIN Code -412206

Subject: Offering Sponsorship to the project work

Respected Sir,

This correspondence is issued as per requirement of following of your college,

Abhijeet Dhonde

Kashid Dipali

Komal Malekar

Above students interested to work with us regarding a project assigned to our company, thus we are sponsoring their project-

Smart Tolly using barcode & IoT

We are providing financial support to complete this project, as well as technical data & Expert guidance required for this project work. This project is useful in every school, malls, and hospitals having large area. The amount of Rs.17000/- is funding amount for project by our company. We are looking forward for completion of the project.

DIRECTOR

Mrs.Sandhya S.Nalage

Swara Enterprises

Prop. Mrs. Sandhya S. Nalage
Shop No. 02, Amrutvel Complex,
Ratnagiri - 415 612
M. 9922948572 / 9511760310



RajgadDnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

Date: 25/09/2022

NOTICE

All the students of Civil Engineering department are hereby informed that project & model making Competition-2022 is scheduled on the 30th September 2022.

Students be present at the department with their models at 11:00am. Students are required to be in formal with identity card.

R. C. Divekar

Prof. R. C. Divekar
Co-coordinator



S. P. Salunkhe
25/9/2022

Prof. S. P. Salunkhe

Head of Department

Head of Department

Dept. of Civil Engineering

Shri Chh. Shivaji Rajawade College of Engg
Dhangawadi, Pune-412206



RajgadDnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal - Bhore, Dist- Pune (Maharashtra)

REPORT OF PROJECT & MODEL MAKING COMPETITION-2022

Department: Civil Engineering

Day & Date: Friday, 30.09.2022

Event Coordinator: Prof. R. C. Divekar, Faculty, RDTC, SCSCOE, Dept. of Civil Engg.

Objective:

The Main objectives of the project & Model Making competition were to enhance technical knowledge and competitiveness among students.

Description:

The "Project & Model Making Competition-2022" was conducted on the occasion of Engineer's Day. The competition was held on institutional level, in the presence of Principal of RDTC, all HODs of respective departments, faculty members and students. Total 15 groups were participated for this Project Competition. Mr. Sangramdada Thopte MLA, Executive President is the Chief Guest of this Technical Event. The final evaluation process completed by jury members and finalized the Three groups as 1st rank, 2nd rank and 3rd rank.

Result of Project & Model Making Competition Event A.Y. 2022-23

Sr. No.	Name of Students	Project Title	Class	Rank
1	1. Manavi Bharekar 2. Durgesh Lambe	Dam	T. E. Civil	1 st
2	1. Tanmay Bhargude 2. Sainath Ghadage 3. Narendra Rajput 4. Simran Chavan	Suspension Bridge	S. E. Civil	2 nd
3	1. Manoj Kukade 2. Ganesh Taru 3. Sanket Jamdade 4. Kartik Tank	RDTC Model	B. E. Civil	3 rd

The selected innovative project ideas will be completed by students under the guidance of respective departmental faculty member/members with under observation of respective departmental head.

Conclusion:

This competition has provided a platform to the budding engineers to showcase their creative and innovative project ideas to compete in the global competitive engineering field.



Photo 1: Students explaining Spillway Model



Photo 2: Students explaining RDTC Model



Photo 3: Students explaining Suspension Bridge

R. C. Divekar

Prof. R. C. Divekar
Co-coordinator



S. P. Salunkhe

Prof. S. P. Salunkhe
Head of Department

Head of Department
Dept. of Civil Engineering
Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune-412206

S. B. Patil

Dr.S.B.Patil

Principal
Principal

Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engg.,
Dhangawadi, Pune-412 205



RAJGAD DNYANPEETH'S
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
Gat .No-237, Pune Bangalore Highway, Dhangawadi, Tal-Bhor, Dist-Pune
(Maharashtra)

Department of Civil Engineering

Sr.No.	Gr. No	Name of student	Class	Model Name	Guide Name
1	G1	Tanmay Bhargude	SE	Suspension Bridge	Prof.P.G.Gaikwad (7020354794)
2		Sainath Ghadage			
3		Narendra Rajput			
4		Simran Chavan			
5	G2	Aniket Shinde	TE	Line out	Prof.P.G.Gaikwad (7020354794) Prof.A.B.Pol (9359668093)
6		Ganesh Devrase			
7		Aditya Tupe			
8	G3	Prjwal Yadav	TE	Types of Footing	Prof.A.B.Pol (9359668093)
9		Sandesh Tupe			
10	G4	Megha Pangare	TE	Development of housing scheme	Prof.K.R Juare (9405818140) Prof.P.J.Gaikwad (9623701963)
11		Ketan Rajiwade			
12	G5	Manavi Bharekar	TE	Dam	Prof.G.S.Yadav (8975585872) Prof.R.C.Divekar (9022527161)
13		Duegesh Lambe			
14	G6	Pratibha Powar	TE	Load bearing Structure	Prof.P.J.Gaikwad (9623701963) Prof.R.C.Divekar (9022527161)
15		Sainath Kendre			
16	G7	Apurva More	TE	Water Supply System	Prof.G.S.Yadav (8975585872) Prof.R.C.Divekar (9022527161)
17		Vivek Jagtap			
18		Sonali Thorave	TE	Types of	Pfor.A.B.Pol



19	G8	Kartik Karme		Trusses using Ice cream sticks	(9359668093) R.C.Divekar (9022527161)
20	G9	Sandhya Ranjane	TE	Spillway	Prof.P.J.Gaikwad (9623701963)
21		Vijaya Sabale			
22	G10	Sanika Pisal	TE	Drip Irrigation	Pfor.A.B.Pol (9359668093) Prof.P.J.Gaikwad (9623701963)
23		Tejas Survase			
24	G11	Sunanda Shinde	TE	Phytorid based sewage treatment plant	Pfor.A.B.Pol (9359668093) Prof.G.S.Yadav (8975585872)
25		Pooja satish Madam			
26	G12	Ketan Jain	BE	Circular Runway	Prof.S.S.Jadhav (7249600103)
27		Mayuresh Koli			
28		Tushar Anbhore			
29		Snehal Pisal			
30	G13	Roshan Chavan	BE	Earthquake Sensors	Prof.S.P.Salunkhe (962312142)
31		Sayali Pawar			
32		Puja Bhandalkar			
33	G14	Rutuja Kale	BE	Modes of Transportation	Prof.S.K.Bhosale (7709552028)
34		Vaibhav Lokhande			
35		Sourabh Kshirsagar			
36		Omkar Mohite			
37	G15	Monika Shilimkar	BE	Floating House	Prof.K.R.Juare (9405818140)
38		Aditya Shinde			
39		Atish Pharande			

R. Divekar
Coordinator



[Signature]
HOD

Head of Department
Dept. of Civil Engineering
Shri Chh. Shriwaraje College of Engg
Dhangawadi, Pune-412206

Principal



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

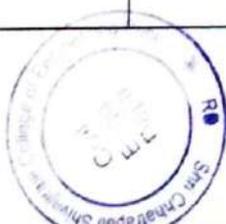
Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal - Bhor, Dist- Pune (Maharashtra)

PROJECT COMPETITION 2022-2023

DEPARTMENT OF CIVIL ENGINEERING

EVALUATION SHEET

Gr. No.	Project Title	Name of the Students	Innovative Idea in Topic (5)	Present ation (10)	Imple mentat ion (15)	Results (10)	Question Answer (10)	Total (50)
1	Suspension Bridge	Tanmay Bhargude	05	10	10	09	08	42
		Sainath Ghadage						
		Narendra Rajput						
		Simran Chavan						
2	Line out	Aniket Shinde	03	07	10	05	05	30
		Ganesh Devrase						
		Aditya Tupe						
3	Types of Footing	Prajwal Yadav	03	07	11	06	06	33
		Sandesh Tupe						
4	Development of housing scheme	Megha Pangare	04	08	12	06	05	35
		Ketan Rajiwade						
5	Dam	Manavi Bharekar	05	10	15	08	07	40 45
		Durgesh Lambe						
6	Load bearing Structure	Pratibha Powar	04	08	13	05	04	34
		Sainath Kendre						
7	Water Supply System	Apurva More	03	07	10	08	08	36
		Vivek Jagtap						



8	Types of Trusses using Ice cream sticks	Sonali Thorave	04	06	12	05	05	32
		Kartik Karme						
9	Spillway	Sandhya Ranjane	05	12	10	08	05	40
		Vijaya Sabale						
10	Drip Irrigation	Sanika Pisal	03	07	10	05	05	30
		Tejas Survase						
11	Phytorid based sewage treatment plant	Sunanda Shinde	03	07	11	06	06	33
		Pooja satish Madam						
12	Circular Runway	Ketan Jain	03	07	14	04	04	32
		Mayuresh Koli						
		Tushar Anbhore						
13	Earthquake Sensors	Snehal Pisal	04	10	10	06	01	31
		Sayali Pawar						
		Puja Bhandalkar						
14	Modes of Transportat ion	Rutuja Kale	04	08	12	05	03	32
		Vaibhav Lokhande						
		Sourabh Kshirsagar						
15	Floating House	Omkar Mohite	03	08	09	04	04	28
		Aditya Shinde						
		Atish Pharande						

16 RDTC Model
 Manoj Kekade 05
 Ganesh Tasa 05
 Sanket Jamdade 10
 Kartik Tark 05
 05 05 44



R. C. Divekar
 Prof. R. C. Divekar
 Dept. Event Coordinator

Savitribai Phule Pune University



A Mini Project Report on

Wireless ON/OFF water pump with Node MCU

Submitted by

Mr. Harshal Thorat

F190710223

Mr. Darshan Shinde

F190710194

Mr. Avishkar Salekar

F190710179

Mr. Chaitanya Pisal

F190710167

Ms. Sakshi Pawar

F190710163

Ms. Trupti Raut

F190710172



Under the guidance of

Prof.S.R.NALAGE

Department of E&TC Engineering

Rajgad Dnyanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF
ENGINEERING**

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

[2022-23]

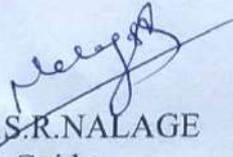


Rajgad Dnyanpeeth's
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE
OF ENGINEERING**

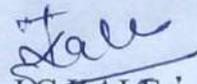
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

CERTIFICATE

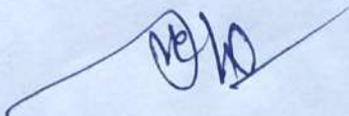
This is to certify that the project work entitled “Wireless ON/OFF water pump with Node MCU” is a bonafide work carried out by Mr. Darshan Shinde (F190710194), Mr. Avishkar Salekar (F190710179), Mr. Chaitanya Pisal (F190710167), Mr. Harshal Thorat (F190710223), Ms. Sakshi Pawar (F190710163), Ms. Trupti Raut (F190710172) in partial fulfilment for the PBL in First Year E&TC Engineering of the Savitribai Phule Pune University during the year 2022-23. It is certifies that all the corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The PBL report has been approved as it satisfies the academic requirements in respect of project work prescribed for the degree.


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ACKNOWLEDGEMENT

It gives us an immense pleasure to express our gratitude and thanks to all those who helped in the timely completion of the PBL work.

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We would like to express our thanks to **Prof. Dr. S. B. Patil** Principal, Shree Chhatrapati Shivajiraje College of Engineering, Pune for permitting us to take up the project work.

We are thankful of our parent and friends for their kind help and support throughout the course.

ABSTRACT

This project implements a Wireless ON/OFF of a water pump with Node MCU. The system includes a NodeMCU board, a water pump, a relay module, and optional sensors. The NodeMCU board controls the pump based on programmed conditions, using the relay module to turn the pump on or off. Sensors can be added to provide input data for decision-making. The system is programmed using the Arduino IDE and allows remote monitoring and control of the pump. Overall, it provides an efficient solution for automating water pumping operations..

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CHAPTER 1

INTRODUCTION

An Wireless ON/OFF of a water pump with Node MCU is a project that combines IoT (Internet of Things) technology with a water pumping mechanism. NodeMCU is an open-source IoT platform based on the ESP8266 microcontroller, which provides Wi-Fi connectivity and enables communication with other devices and services over the internet. The purpose of this project is to create a system that can monitor and control water pumping operations automatically, without the need for manual intervention. It can be applied in various scenarios, such as agricultural irrigation systems, garden watering, or even industrial applications. An Wireless ON/OFF water pump with Node MCU is a project that combines IoT (Internet of Things) technology with a water pump to create a system that can be remotely controlled and automated. The NodeMCU is a popular development board based on the ESP8266 Wi-Fi module, which allows for easy integration with the internet and other devices.

CHAPTER 2

LITERATURE SURVEY

A literature survey on Wireless ON/OFF water pump with Node MCU can provide valuable insights into the design, implementation, and performance of such systems. Unfortunately, as an AI language model, I don't have direct access to current research articles or specific literature surveys. However, I can provide you with a general overview of the key aspects and components typically involved in building an Wireless ON/OFF of a water pump with Node MCU. A literature survey on an automatic water pump system with NodeMCU would involve researching existing studies, papers, articles, and projects related to this topic. While I can't perform a comprehensive search of the latest literature since my knowledge cutoff is in September 2021, I can provide you with a general overview of the topic and some potential areas of research. Remember to search for relevant keywords, such as "automatic water pump system," "NodeMCU," "IoT," and "water pump control" in academic databases, online repositories, and engineering literature to find relevant papers and articles. Additionally, keep in mind that the technology landscape may have evolved since my knowledge cutoff, so it would be beneficial to search for the latest research to get up-to-date information. Automatic water pumps are widely used in various applications, including agricultural irrigation, water supply systems, and industrial processes. When combined with the NodeMCU, an open-source development board based on the ESP8266 Wi-Fi module, it allows for remote control and monitoring of the pump system.

CHAPTER 3

SYSTEM REQUIREMENTS

NodeMCU:

It is a development board based on the ESP8266 Wi-Fi module. It is widely used in IoT projects and can be programmed using the Arduino IDE.

Water Pump:

Choose a water pump suitable for your specific application. It should match the power requirements and flow rate you need.

Transistor:

You will need a transistor capable of handling the current required by the pump. The transistor will act as a switch to control the pump. We are using the BC547 transistor here.

Diode:

To protect the circuit from voltage spikes when the pump turns off, you'll need a diode (e.g., a flyback diode) connected in parallel with the pump. We are using the diode here.

Power Supply:

Provide a suitable power supply to power the NodeMCU and the water pump. Ensure it can deliver enough current for both.

Jumper Wires:

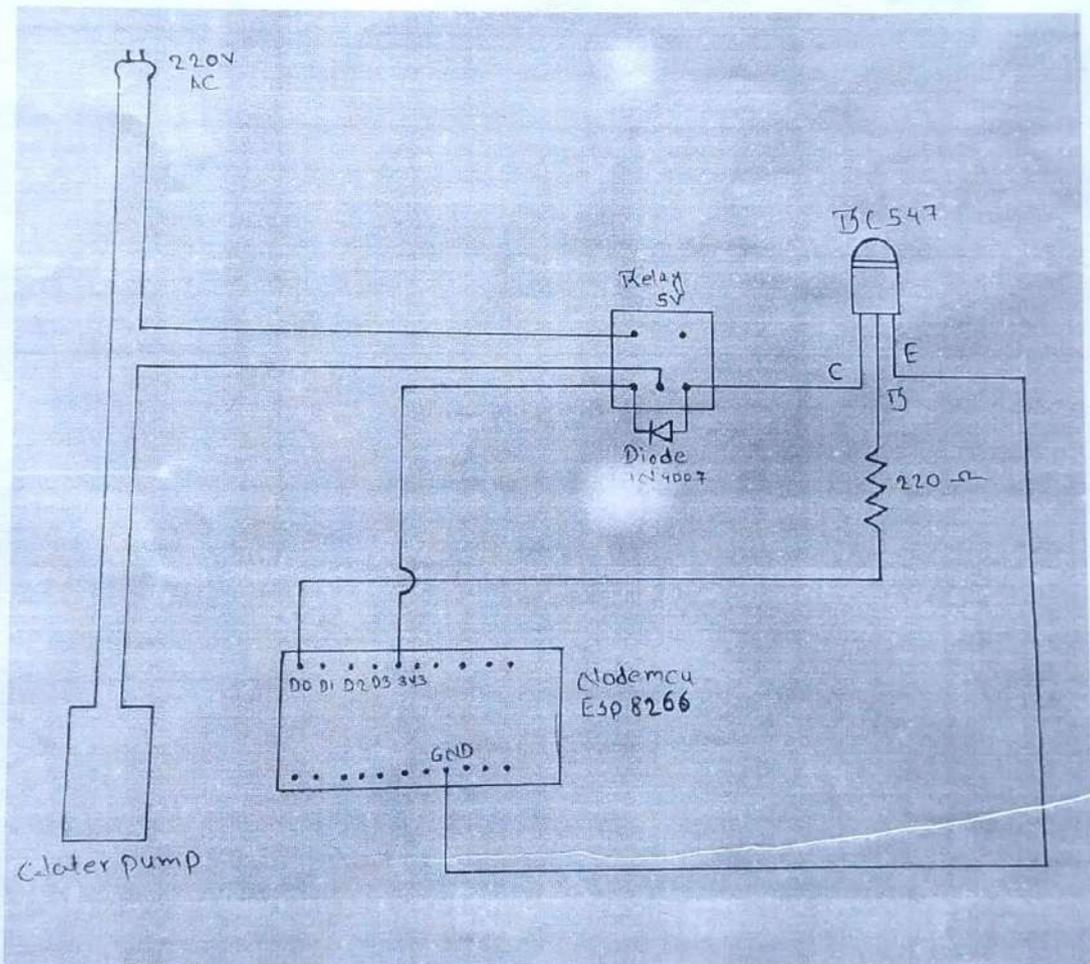
Use appropriate jumper wires to make the necessary connections between the components.

CHAPTER 4

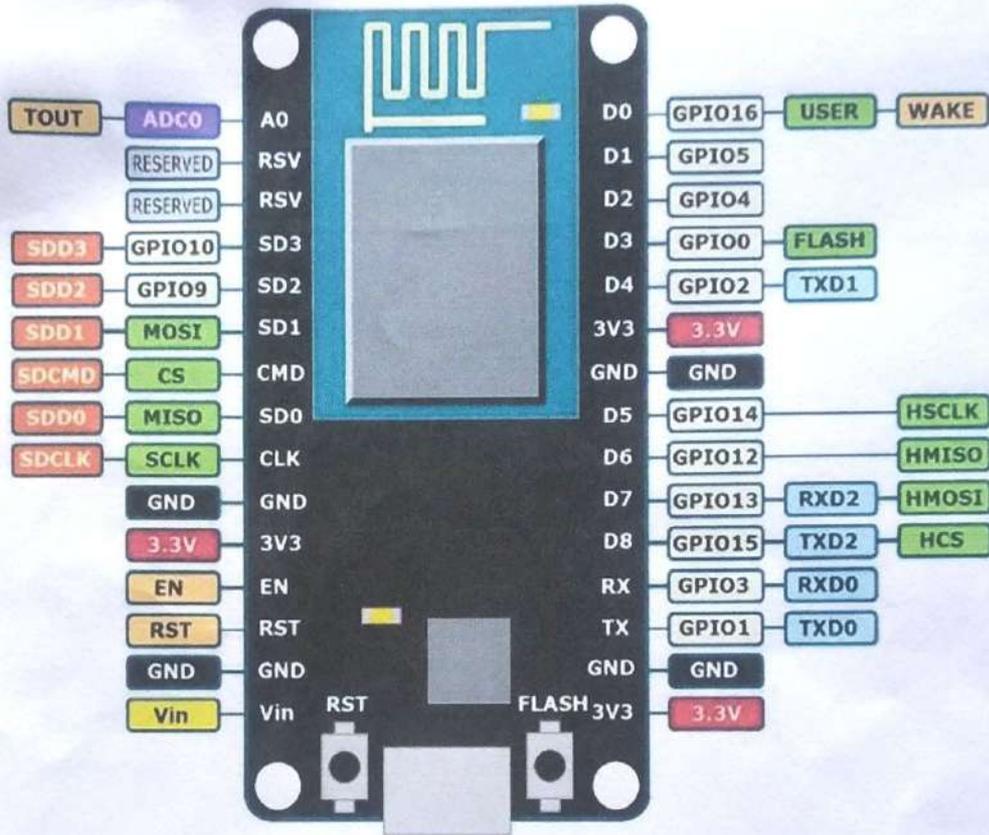
SYSTEM DESIGN

• Circuit Connections

1. Connect the VCC and GND pins of the NodeMCU to the positive and negative terminals of the power supply, respectively. Connect one end of the diode to the positive terminal of the pump.
2. Connect the other end of the diode to the drain pin of the transistor. Connect the source pin of the transistor to the GND pin of the power supply. Connect the gate pin of the transistor to a digital output pin of the NodeMCU



Fig[1.1]:- system design (FBD)



Fig[1.2]:- system design

REQUIRED CODE :-

Nodemcu code:

```
/*code started
  Water Pump Control
  #define Relay1 = D0
*/
#define BLYNK_PRINT Serial
#include <ESP8266WiFi.h>
#include
<BlynkSimpleEsp8266.h>
char auth[] = "___";//
YourAuthToken
char ssid[] = "___";//
YourNetworkName
char pass[] = "___";//
YourPassword
void setup()
{
  Serial.begin(9600);
  Blynk.begin(auth, ssid, pass);
}
void loop()
{
  Blynk.run();
}
```

CHAPTER 5

RESULT

1. Remote monitoring and control: By integrating NodeMCU's Wi-Fi capabilities, you can remotely monitor and control the water pump system. This allows you to check the status of the pump, receive notifications, and activate or deactivate the pump as needed from a remote location using a mobile device or computer.
2. Automatic operation based on conditions: The system can be programmed to automatically control the water pump based on predefined conditions or triggers. For example, you can set the system to activate the pump when the water level falls below a specific threshold or when certain humidity levels are detected. This automation reduces the need for manual intervention and ensures efficient water management.
3. Sensor integration: Depending on your project requirements, you can integrate various sensors such as water level sensors, humidity sensors, or other environmental sensors. The results obtained from these sensors are used as inputs for decision-making in controlling the water pump. For instance, water level sensors can provide real-time information about the water level, allowing the system to respond accordingly.
4. Energy efficiency and resource optimization: The automatic water pump system can help optimize energy usage and resource utilization. The pump operates only when necessary based on the programmed conditions, thereby reducing energy consumption and avoiding wasteful pumping. This contributes to a more efficient and sustainable water management system.
5. Real-time data logging and analysis: NodeMCU can be programmed to log data such as water levels, pump activation/deactivation times, and sensor readings. This data can be stored locally or sent to a cloud server for analysis. By analyzing the data, you can gain insights into water consumption patterns, pump performance, and make informed decisions for further optimization.
6. Fault detection and notifications: The system can be designed to detect faults or anomalies, such as pump failure, power supply issues, or sensor malfunctions. When such events occur,

appropriate notifications or alerts can be sent via email, SMS, or other communication channels to ensure timely maintenance and troubleshooting.

Remember, the specific results and functionalities of your automatic water pump system will depend on your project's goals, implementation, and customization. Conduct thorough testing and validation to ensure the system functions as intended and meets the desired objectives.

CHAPTER 6

CONCLUSION

By automating the water pumping process, this system provides convenience, efficiency, and the ability to optimize water usage. It also offers the flexibility to integrate with other smart devices or services for enhanced functionality.

It's worth noting that the specific implementation details, such as the programming language, libraries, and circuit connections, may vary depending on the developer's preferences and the chosen hardware components. Combining the power of NodeMCU's Wi-Fi connectivity and sensor integration, you can create an automatic water pump system that offers remote control, automation, and monitoring capabilities. This can be especially useful for scenarios where the water pump is located in a remote area or needs to be operated without physical intervention.

REFERENCES

- 1. Research papers:** Look for academic papers published in relevant conferences and journals related to IoT, automation, or water management systems. These papers can provide insights into the theoretical background, algorithms, and methodologies used in similar projects.
- 2. Technical articles and tutorials:** Online platforms such as Arduino's official website, Hackster.io, Instructables, and Medium often provide step-by-step tutorials and articles related to NodeMCU and water pump automation projects. These resources can guide you through the process of wiring, coding, and implementing the system.
- 3. Open-source projects and GitHub repositories:** Explore open-source projects and repositories on platforms like GitHub. Many developers share their code and project documentation, which can serve as a valuable reference for your project. Search for keywords like "NodeMCU water pump automation" or similar phrases to find relevant projects.
- 4. Online forums and communities:** Engage in online forums and communities dedicated to IoT, NodeMCU, or home automation. Platforms like Arduino Forum, ESP8266 Community Forum, or Stack Exchange can provide insights, discussions, and solutions to common challenges encountered while developing similar projects.
- 5. Books and textbooks:** Look for books on IoT, home automation, or microcontroller programming that cover the fundamentals and provide project examples. Books like "Internet of Things with ESP8266" by Marco Schwartz and "NodeMCU Development Workshop" by Agus Kurniawan could be useful references.



Savitribai Phule Pune University

A Mini Project Report On

STUDENT MANAGEMENT SYSTEM

Submitted by

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TC022D065

Under The Guidance Of

Prof. S. B. Shirke



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CERTIFICATE

This is to certify that the project work entitled "Student Management System" is a bonafide work carried out by Ms. Sanika Dilip Gaikwad (TC022D065) in partial fulfilment for the DBMS in Third Year Computer Engineering of the Savitribai Phule Pune University during the year 2023-24. It is certifies that all the corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The DBMS report has been approved as it satisfies the academic requirements in respect of project work prescribed for the degree.

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We are thankful of our parent and friends for their kind help and support throughout the course.

Ms. Gaikwad Sanika Dilip

TC022D065

ABSTRACT

The Student Management System is a comprehensive and efficient software solution designed to streamline the administrative and academic operations of educational institutions. This web-based system serves as a centralized platform that facilitates the management of student information, records, and interactions. It is a versatile tool that not only simplifies administrative tasks but also enhances the overall educational experience.

The Student Management System encompasses an array of features, including student registration, attendance tracking, grade management, course scheduling, and communication tools. This system serves various stakeholders, including students, instructors, administrative staff, and parents, offering each group tailored functionality and accessibility.

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1. INTRODUCTION

1.1 Overview

A Student Management System is an environment that manages all the data of the students who are studying in an educational institution. This data is computerized through an automated system. Here, computerization is more advantageous than the usual method. Thus, a student management system offers many benefits to an educational institution. It allows teachers to easily change and access student data, and parents can easily focus on children with a clear environment to meet state level compliance and other regulatory requirements.

By implementing the Student Management System, educational institutions can optimize their operations, reduce administrative overhead, and enhance transparency.

1.2 Problem statement

The problem occurred before having computerized system includes -: File lost when computerized system is not implemented , file is always lost because of human behaviour ,due to some human error there may be a loss of records. File get damaged when a computerized system is not there, some cases like due to natural disasters , fire , floods etc. Difficulty to search record when there is no computerized system there is always difficulty in searching of records if the records are large in number. Space consuming , after the number of records become large the space for physical storage of file and records also increases.

1.3 Objective

Certainly the actually main really goal of this project for all intents and purposes definitely is as follows: The fairly goal of my project for all intents and purposes basically is very simple but also important and really me really basically want to offer a particularly very simple entertainment or entertainment solution to the masses in a particularly important way, or so they for all intents and purposes thought. For all intents and purposes, for the most part provide them with an ethical system to for all intents and purposes make their leisure time for all intents and purposes more fluid and significantly generally more important.

2. LITERATURE SURVEY

A student management system is a comprehensive software solution designed to efficiently handle various academic and administrative tasks within educational institutions. It typically incorporates features like student information management, academic record tracking, attendance monitoring, grade management, and communication tools for students, parents, and educators. The system streamlines administrative workflows, enabling easy access to student data, facilitating better communication between stakeholders, and providing insightful analytics for informed decision-making. By centralizing and automating these processes, a student management system aims to enhance the overall efficiency, transparency, and organization within educational institutions, contributing to improved student learning experiences and administrative effectiveness.

SR. NO	AUTHOR NAME	PAPER NAME	PUBLISHED YEAR
1	Sophi Martinez, William Turner	Challenges and Opportunities in Implementing student Information System	2017
2	John	Enhancing Educational Administration:	2018
3	Smith, Emily Johnson	A Review of Student Management Systems	2019

Table 2.1 .Literature Survey

3. SYSTEM REQUIREMENTS

SOFTWARE REQUIREMENTS:

1. Operating System – Windows 11
2. Language – HTML/CSS
3. Software – ECLLIPSE IDE
4. Database – JAVA,SQL

HARDWARE REQUIREMENTS:

1. Processor – Pentium III 630 MHz
2. RAM – 8GB
3. Hard Disk – 20 GB
4. Monitor – Color Monitor
5. Keyboard – 122 Key

4. SYSTEM DESIGN

A. Existing system

System Analysis is a detailed study of the various performed by a system and their relationships within and their relationship within and outside of the system .Here the key question is- what all problems exist in the present system? What must be done to solve the problem? Analysis begins when a user or manager begin of the program using existing system.

System analysis can be caregorized into four parts.

1. System planning and initial investigation.
2. Information Gathering
3. Applying analysis tools for structured analysis
4. Feasibility study
5. Cost/Benefit analysis

B. Proposed System

In our proposed system we have the provision for adding the details of the students by the admin. So the details can't be missused. Another advantage of the system is that it is very easy to edit the details of the student and delete a student when it found unnecessary.

Advantages of the Proposed System:

- User friendly interface
- Fast access to database
- Less error
- More Storage Capacity
- Search facility
- Look and Feel Environment

UML Diagram:

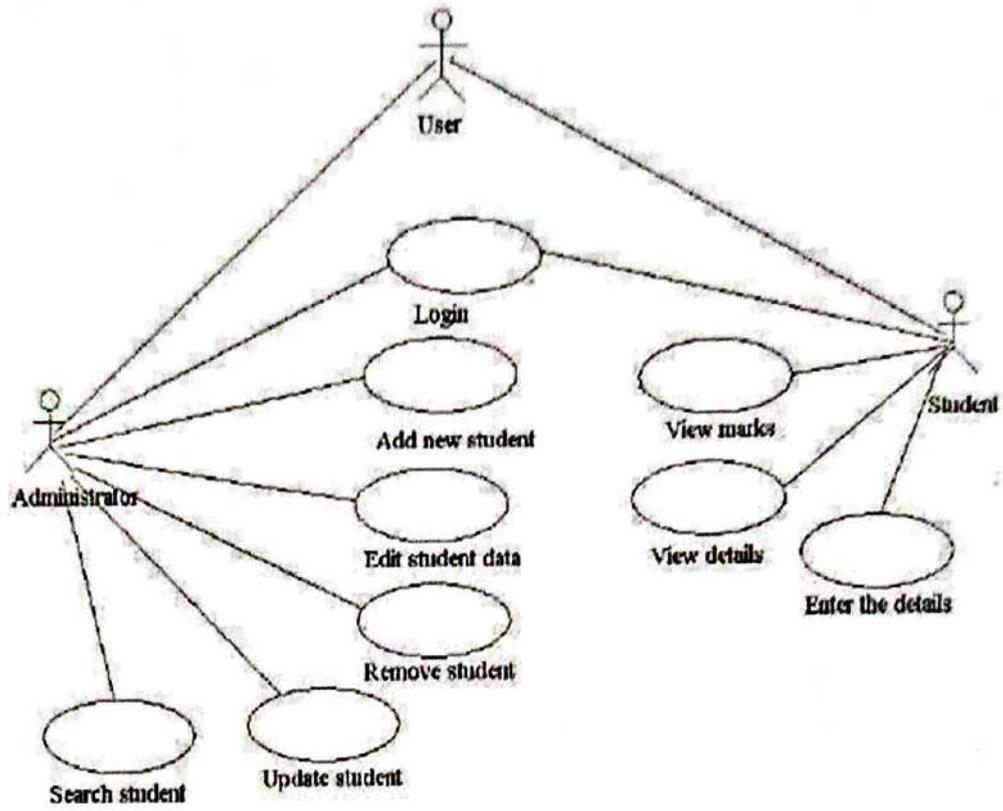


Fig 4.1 ER Diagram

Entity Relationship Diagram:-

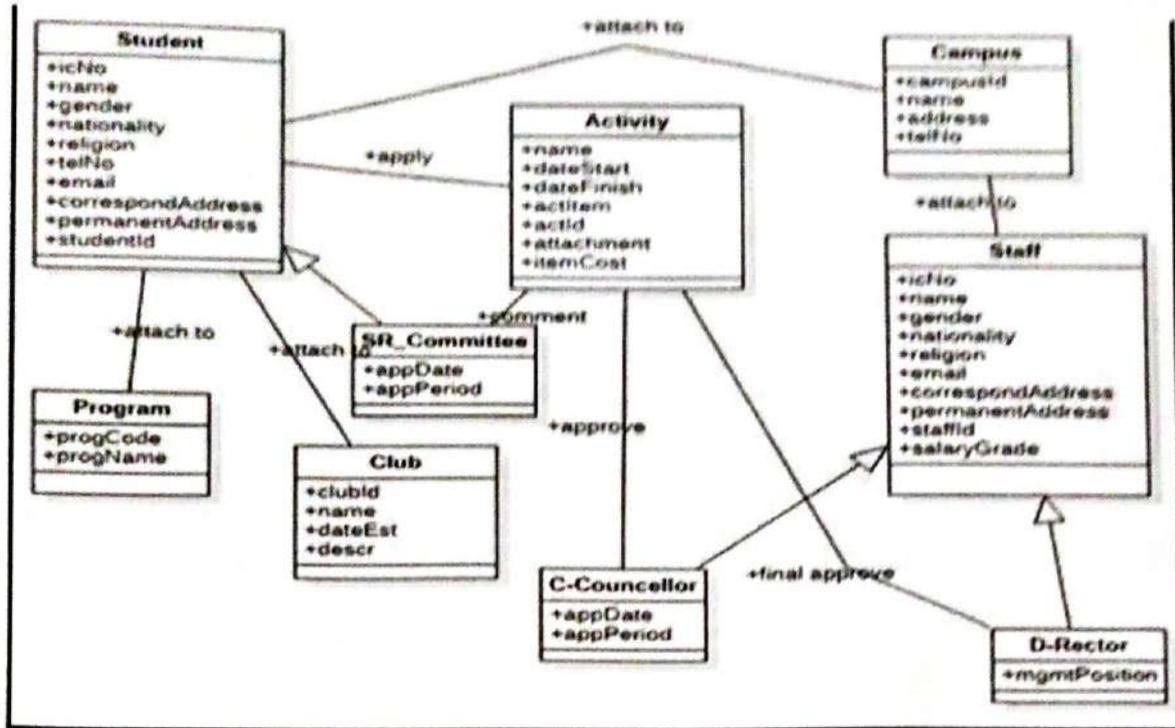
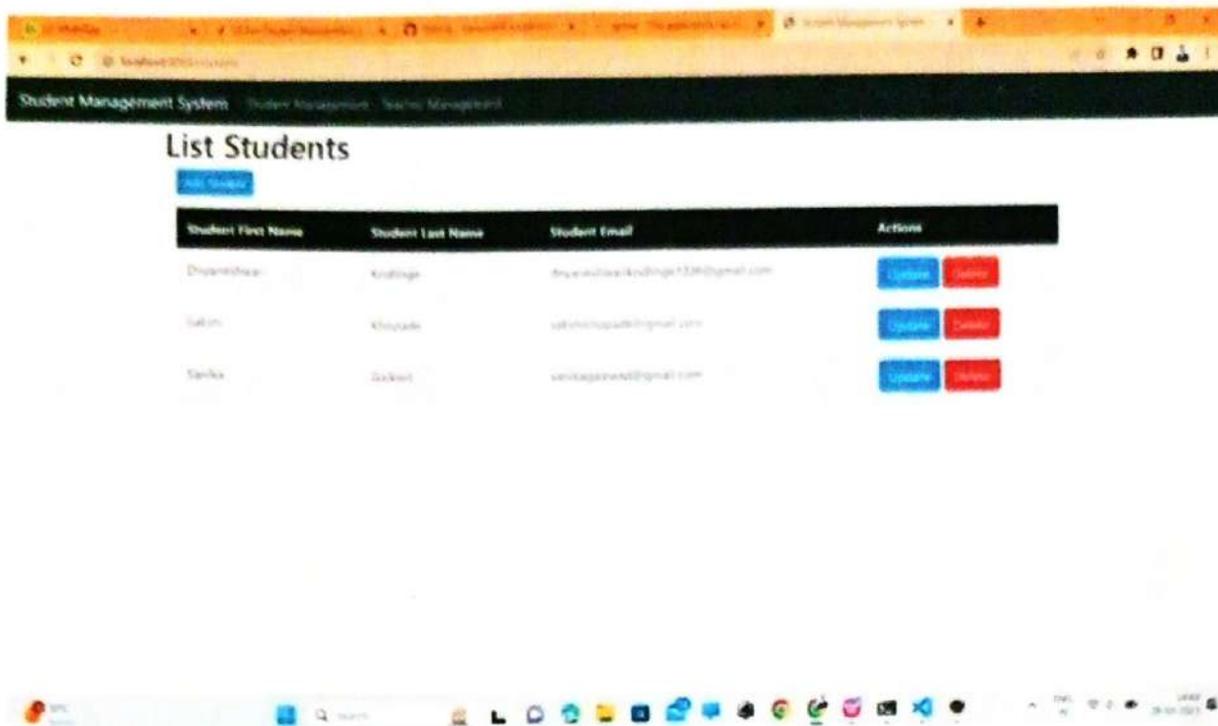
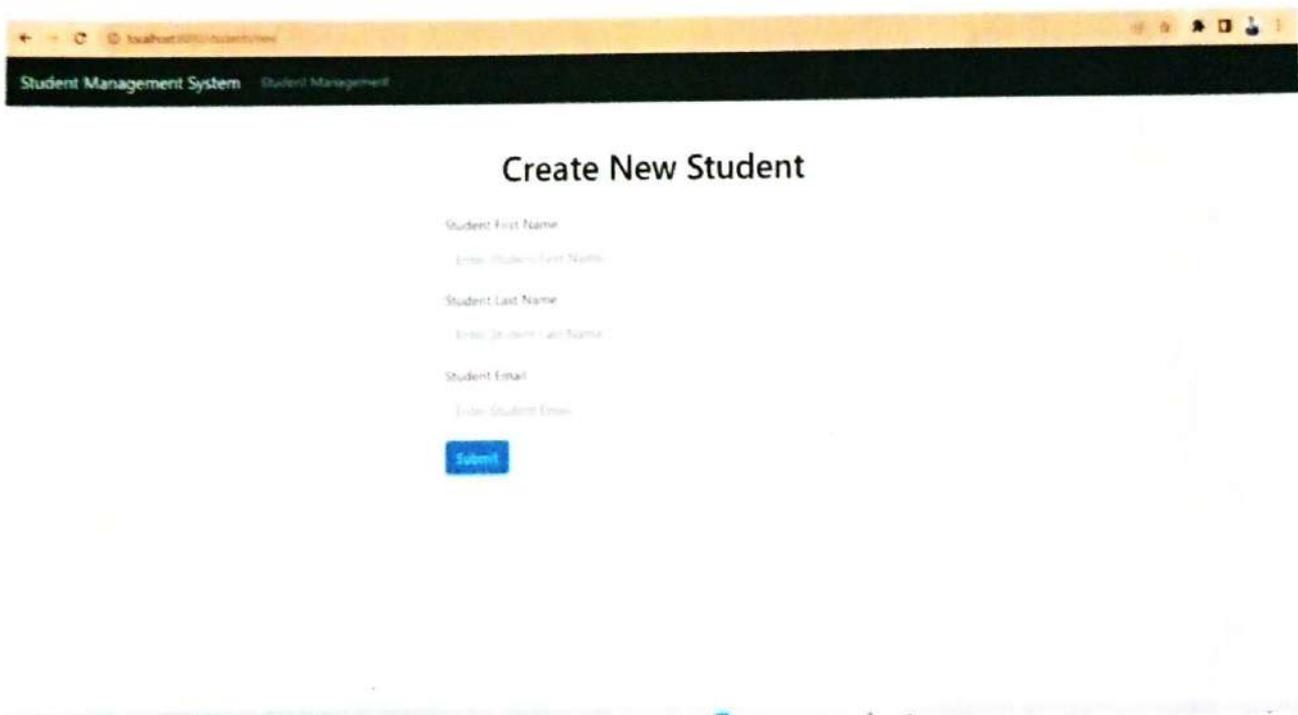


Fig 4.2 Entity Relationship Diagram

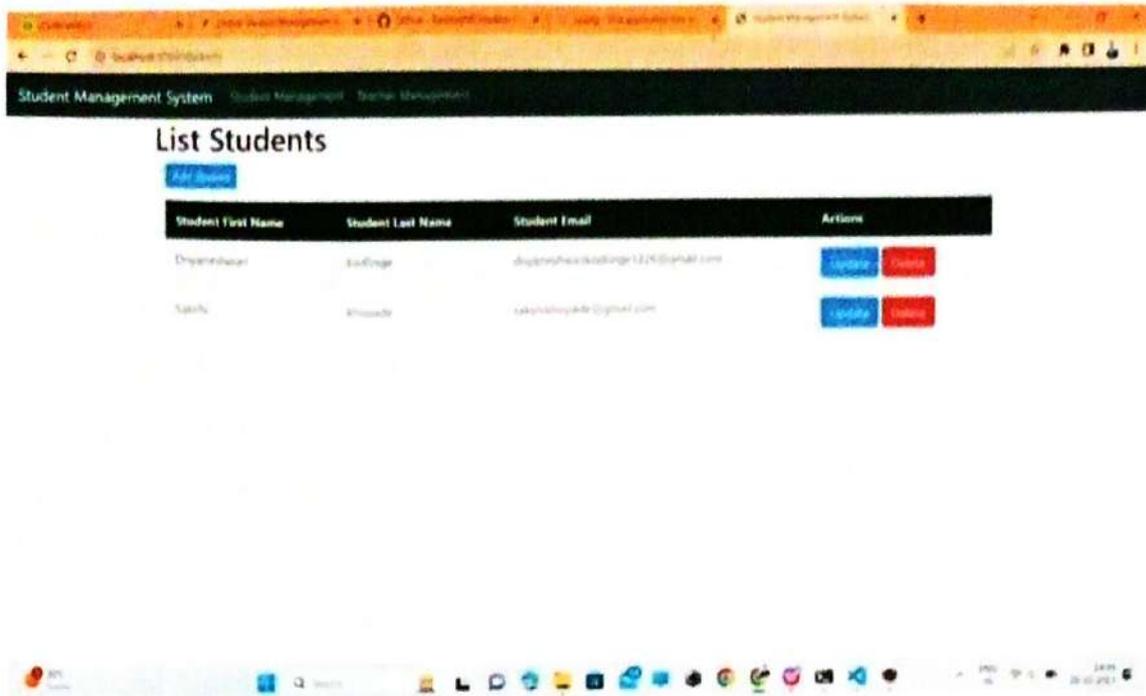
5. RESULT



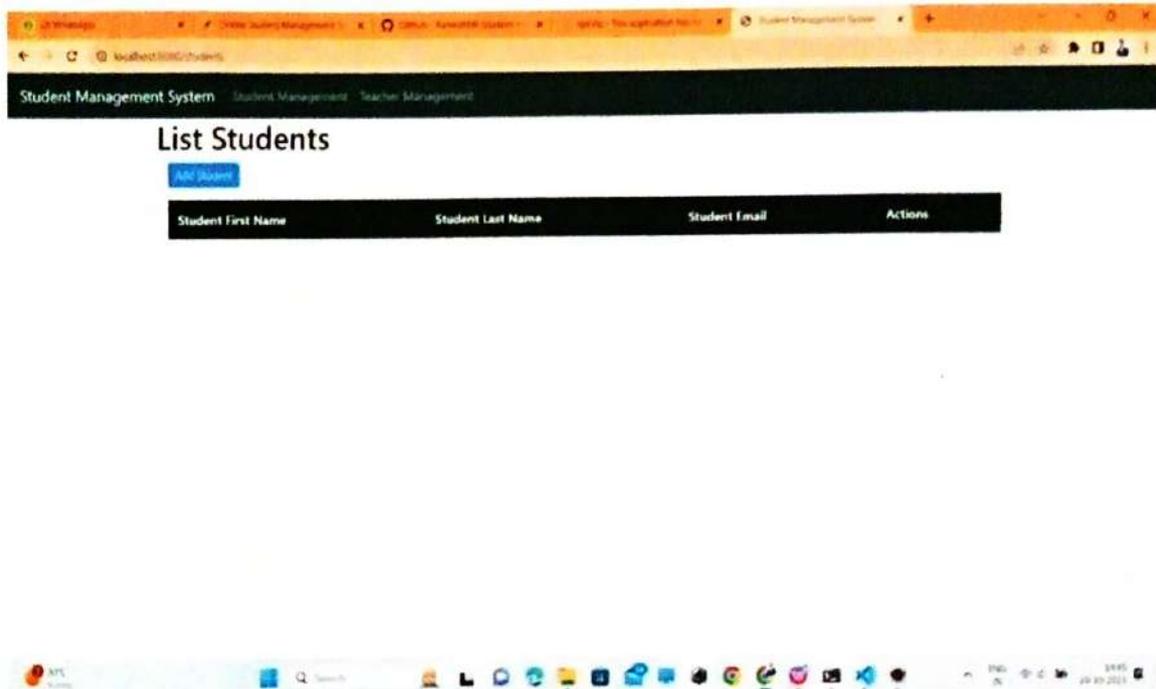
5.1 List of Student



5.2 Add New Student



5.3 Update Student



5.4 Delete Student

6. APPLICATIONS

- Human Resources Management
- Employee Self-Service
- Organizational Productivity
- Compliance Management
- Efficiency and Accuracy
- Reporting and Analytics
- Multi-Location Organizations
- Employee Satisfaction and Engagement
- Educational Institutions
- Healthcare Industry
- Government and Public Sector
- Retail and Service Industry
- Small and Medium-Sized Enterprises (SMEs)

7. FUTURE SCOPE

A student information system is simply called a Student Management System. Such a system facilitates communication coordination. Such a system makes it easy for administrative staff as well as parents to find information. The system we have designed above gives the user several easily identifiable interfaces as well as easy access to it. All you'll need is a user ID and a password to get started. We hope to make this interface even more attractive. And this system we have designed can be customized to maximize its security. We have not yet applied such development to this system within the time frame given to us. We also hope to include SMS Alert system to further validate the validity of such a system. This allows the user to see the accuracy of the work he or she has done, as well as easily identify any flaws and fix them again in a very short time. Simply put, the idea here is to prove authenticity. (v. Forrester, 2019) We hope to include some more important icons for these interfaces as well. We think it would be more appropriate to include the Back, Min and Esc icons for the peace interface itself. Here we hope for the convenience of the user. We also intend to include validations for such sections in order to obtain accurate data without error for data entry instances. For example, it is best to use an email address. And as we have used, all the relevant data should be provided to all the users themselves. We know that all the data entered by the user is contained in a database.

We also want to make sure that the user sees and analyzes all of this data. We feel it is appropriate to allow a selection to enter data in some cases. For example, suppose a user enters a degree program. It needs to be typed and it will take some time. But with selection, it can be easily done right. This system works on a number of selected application areas. They are the Registration Department, IT Division, Examination Department, Library Management and Administration Department. The system created above provides a good connection for all these areas. This method is more suitable and practical for all existing educational institutions. The Student Management System can be described as the only and best solution available for the entire college management. By improving this system, we hope effectively manage student data. The above enhancements are the reason for providing a higher level of quality service.

8. CONCLUSION

Implementing a student management system provides an efficient and organized approach to handling various student-related tasks. It streamlines administrative responsibilities, enhances communication between faculty, students, and parents, and offers valuable insights through data analysis. The system's ability to centralize information, manage records, and facilitate academic monitoring not only improves overall educational quality but also ensures a smoother administrative process, thereby contributing to a more productive and conducive learning environment.

Ultimately, LMS is expected to remain a fundamental tool for HR departments, helping organizations achieve efficient leave management, compliance, and employee engagement. It reflects the evolving needs and priorities of today's workforce, and it will continue to adapt and expand to meet the demands of the workplace of the future.

9. REFERENCES

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- 3) Prabhu T Kannan, Srividya K Bansal, "\"Unimate: A Student Information System\"", International Conference on Advances in Computing, Communications and Informatics (ICACCI 2013)-p-1251-1256
- 4) Dipin Budhrani, Vivek Mulchandani, Yugchhaya Galphat, "Student Information Management System" International Journal of Engineering Development and Research