



Record No.: ZCOER-ACAD/

Revision: 00

Date:01/04/2021

Project Work Guideline

Objective:

Objective of project work is to provide an opportunity of designing and building complete system or subsystems based on areas where the student likes to **acquire specialized skills**. Students must able to obtain hands-on experience in converting a small novel idea / technique into a working model / prototype involving multi-disciplinary skills. It is incorporated to embed the skill in a group of students to work independently on a topic/ problem/**experimentation** selected by them and encourage them to think independently on their own to bring out the conclusion under the given circumstances of the curriculum period in the budget provided with the guidance of the faculty. It Helps to **encourage creative thinking** processes to help them to get confidence by planning and carrying out the work plan of the project and to successfully complete the same, through observations, discussions and decision making process.

of Enginee

Dept of Mechanical Engineering

Pune-4

Types of Projects



Record No.: ZCOER-ACAD/

Revision: 00

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Methodology

Sr. No	Project Activity
1	Formation of Project Review Committee
2	Formation of students Project groups
3	Submission of three Project Topics/ideas by faculty
4	Display list of selected Project Topic along with allocated guide.
5	Synopsis Submission By Each Project Group to Project Coordinator and Project Guide
6	Project Review I (Aim, Objective, Problem statement / Methodology review Seminar I)
7	Review II (Problem Statement/Methodology, Survey, Experimental Scheduled work,
8	Seminar on how to write Project reports
9	Review III (Final report writing doc, Model Seminar III)
10	Project Initial Draft & Correction
11	Project Final Draft Submission.
12	Evaluation and MOCK Presentation (Seminar IV)
13	End term Evaluation

Outcome:

On completion of the course the learner will be able to;

Implement systems approach.

To conceptualize a novel idea / technique into a product.

To think in terms of a multi-disciplinary environment.

To take on the challenges of teamwork, and document all aspects of design work.

To understand the management techniques of implementing a project.







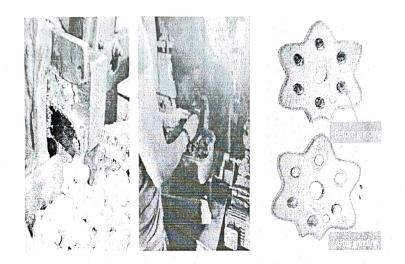
Record No.: ZCOER-ACAD/

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Sample Project Photographs

1) Sponsored Projects:







This is company sponsored project of Ay 2022-23 performed at Sigma Hi-tech Tooling by Satej chaugule and team



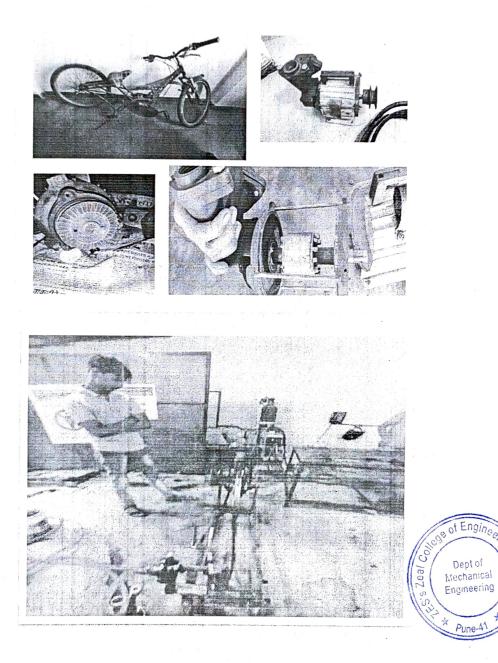


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2) In-house: Pedal Operated Water Pump



This is In-house project of Ay 2021-22 performed at Swaminarayan Tekadi by Avinash kli and his team. Prject was t make manual (Pedal) perated Pump t lift the water

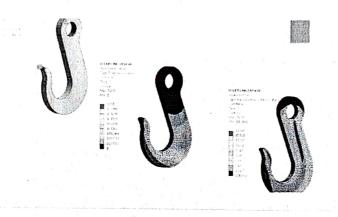


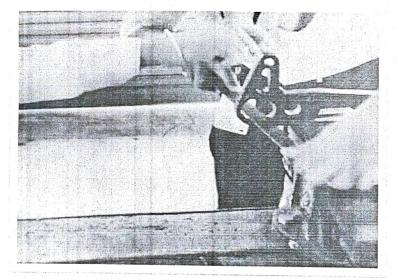
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3) Analysis Based project





This is analysis project of Ay 2021-22 performed based on Ansys Software by Prathamesh Garud and team

Project Coordinator

Dept of Mechanical Pune-41

When Head of Department





Record No .:

Revision: 00

Date:01/04/2021

Sr. No.	Internship Objectives					
1	To encourage and provide opportunities for students to get professional/personal experience through internships.					
2	To learn and understand real life/industrial situations.					
3	To get familiar with various tools and technologies used in industries and their applications.					
4	To nurture professional and societal ethics.					
.5	To create awareness of social, economic and administrative considerations in the working environment of industry organizations.					
6	To encourage and provide opportunities for students to get professional/personal experience through internships.					

Sr. No.	Internship Benefits to participants					
1	Students can understand company organizational structure, products, services, processes, departments, customers, vendors etc.					
2	Students can apply theoretical knowledge and concepts (as acquired under mechanical engineering program courses) to solve assignments given by company mentor					
3	Students can identify, formulate and analyze existing engineering problems in industry related to design, manufacturing, procurement, quality, maintenance, research, new product development etc.					
4	Students can suggest solutions to assigned engineering problems considering health, safety, legal and Environmental standards/requirements.					
5	Students can understand and demonstrate effective verbal/written communication, listening and Documentation skills.					
6	Students can demonstrate individual responsibility, participation in teams and management of multiple assignments/projects					
7	Students can develop and demonstrate professional work habits, attitudes, ethics and behavior					



Internships are educational and career development opportunities, providing practical experience in a field or discipline. Internships are far more important as the employers are looking for employees who are properly skilled and having awareness about industry environment, practices and culture. Internship is structured, short-term, supervised training often focused around particular tasks or projects with defined time scales.

Engineering internships are intended to provide students with an opportunity to apply conceptual knowledge from academics to the realities of the field work/training.

Student may choose to undergo Internship at Industry/Govt. Organizations/NGO/MSME/Rural Internship/ Innovation/IPR/Entrepreneurship. Student may choose either to work on innovation or entrepreneurial activities resulting in start-up or undergo internship with industry/NGO's/Government organizations/Micro/Small/ Medium enterprises to make themselves ready for the industry.

As per the AICTE and University guidelines, Internship is to be completed after 5^{th} semester of Third Year Mechanical Engineering and before commencement of semester 6^{th} of at least 4 to 6 weeks; and it is to be assessed and evaluated in semester 6^{th} .

Students must maintain Internship Diary. The main purpose of maintaining diary is to cultivate the habit of documenting. The students should record in the daily training diary the day-to-day account of the observations, impressions, information gathered and suggestions given, if any. The training diary should be signed every day by the supervisor. Internship Diary and Internship Report should be submitted by the students along with attendance record and an evaluation sheet duly signed and stamped by the industry to the Institute immediately after the completion of the training.

The student will give a seminar based on his training report, before an expert committee constituted by the department as per norms of the institute. The evaluation will be based on the following criteria:

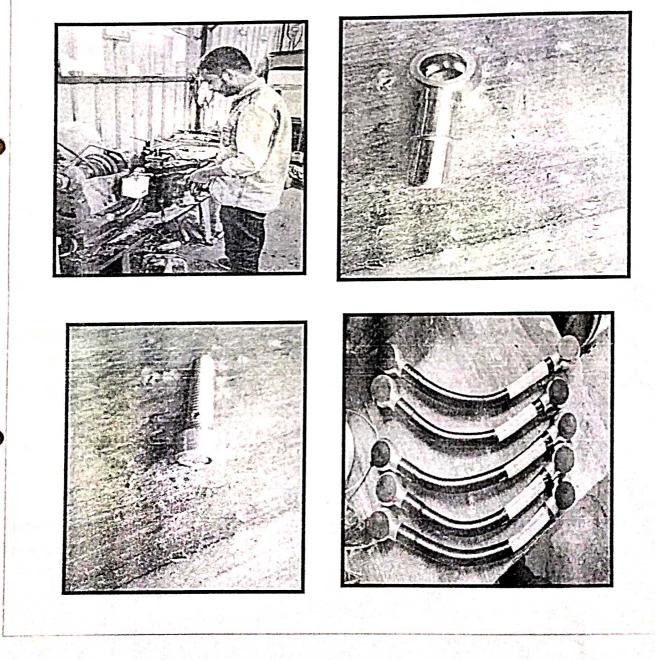
- Depth of knowledge and skills
- Communication & Presentation Skills
- Team Work and Creativity
- · Planning & Organizational skills
- Adaptability
- Analytical Skills
- Attitude & Behaviour at work
- Societal Understanding
- Ethics
- Regularity and punctuality
- Attendance record
- Diary/Workbook
- Student's Feedback from External Internship Supervisor







Photographs During Internship:









Internship Report

Part I: Contact InformationStudent Student ID: T624040 Name: Mr. Prajwal Pralhad Mulik Campus Address: Zeal college of Engineering and Research, nahre, pune - 411041 City, State : Pune. Maharashtra Phone: 7522996619

Class Year: 2021-2022

Email: prajwalmulik0941@gmail.com

Industrial Supervisor

Title: Factory Executive Name: Mr. Rohit Ankush Company/Organization: R.A. Enterprises Internship Address: Khedekar Industrial Estate, Narhe-Dhayari Road, Narhe Pune - 411041 City, State, Pin: Pune, Maharashtra-411036 Email:.raenterprises.pune@gmail.com Phone: 7507538144

Faculty Mentor Phone: 9172103903 Name: Dr. Y. M. Bhamare Campus Address: Zeal College of Engineering and research, Survey no. 39, Narhe-Dhayari road, Narhe, Pune.

Academic Credit Information Internship Title : Internship Course : 303255 internship

Beginning Date: 12 January 2022 Hours per Week: 28 hrs

Department: Mechanical Engineering

Ending Date: 11 February 2022 Internship is : Paid / Unpaid: Unpaid







Part II: Internship Objectives/Learning Activities

Internship Objectives: What do you intend to learn, acquire and clarify through this internship? Try to use concrete, measurable terms in listing your learning objectives under each of the following categories:

Knowledge and Understanding

Since my internship was in field of manufacturing. I was able to practice and improve my skill on various manufacturing rated machines and I also understand the how material is flow through out the various department.

This internship also provided me with the opportunity to experience fieldwork through one important projects of the company.

During the internship tenure, I was able to understand the work culture practically and learned to handle the various situation more in a pragmatic way that I went through during my internship tenure.

• Skills

professional behaviour

practical knowledge

time management

communication skills

computer skills

project related skills

Learning Activities: How will your internship activities enable you to acquire the knowledge/understanding, and skills you listed above?







Part III: The Internship

Job Description: Describe in as much detail as possible your role and responsibilities while on your internship. Listduties, project to be completed, deadlines, etc. How can you contribute to the organization/site of internship?

I work as an internship fresher work was primarily to assist in the ongoing job manufacturing

In the company and learn from my seniors about instruction and guiding the workers.

Make report of on job name, what kind of operations are performing, how much job are manufactured.

To guide the worker to understand the drawing of job and also checking the job is manufacture as per requirement.

Supervision: Describe in as much detail as possible the supervision to be provided/needed at the work site. Listwhat kind of instruction, assistance, consultation you will receive from whom, etc.

In first day of my internship supeviser gave me required instruction and guide me how to handle the situations

- 1) To communicate the worker properly and give them necessary instruction.
- 2) To report if any problem crate during job production.
- 3) To make check list on row material stoke.

Evaluation: How will your work performance be evaluated? By whom?

- 1) Daily report in the company on time.
- 2) Review from the workers about my work by seniors
- 3) Job done by the workers under my supervision. And also checking of quality of job
- 4) Taken the overall review at the last date of my internship



R. A. ENTERPRISES

Khedekar Industrial Estate, Narhe-Dhayari Road, Narhe Pune – 411041 E- Mail – <u>raenterprises.pune@gmail.com</u> Contact – 7507538144 GST No – 27CMFPA7602D1ZJ ; UDYAM Reg. No. – UDYAM-MH-26-0002137

Ref No.- rent/lh/21-22/23

Date - 12/02/2022

To,

HOD, Mechanical Engg. Dept. Zeal Education Society's Zeal College of Engineering and Research Narhe Pune- 411041.

Subject - Internship programme Completion Certificate.

Dear Sir/Madam,

This is to certify that **Mr. Prajwal Pralhad Mulik** student of TE Mechanical Engineering from Zeal College of Engineering, Narhe Pune has scuccessfully undergone the implant training/internship programme at our manufacturing facility during 12th Jan 2022 to 11th Feb 2022.

During his internship he has demonstrated his skill with self motivation to learn new skills. His performance exceeded our expectations.

We wish him All The Best for his upcoming career.

Best Regards, For, R. A. Enterprises Mr. Rohit Ankush (Factory Executive)



Kead of Department Dept. of Mechanical Engineering ZES's Zeal College of Engineering & Research, Pune-411041

ISO 9001:2015 COMPANY







DEPARTMENT OF MECHANICAL ENGINEERING

Hands on Training on Computer Aided Manufacturing (CAM) – CNC Programming, Simulation & Manufacturing Summary Report

Academic Year: 2019-20 Class: B.E. Semester: I

Title of Activity/Event					n Com acturi		Aide	d Mar	nufact	uring	(CAN	M) –С	NC Pr	ogram	ming ,	
Date of Activity/Event	07/0	1/202	0 to 0	5/03/	2020											
Vame of pert/Trainer	Prof.	M.R	. Kaly	anshe	etti											
Objective	The objective of this workshop was to communicate different CNC Programming , Simulation & Manufacturing in Industry															
Summary	on C Meck cond exce Duri prog with settin paran Simu settin train At th prog Meck	NC I hanica lucted llence ng tra ram f pract ng, 2 meter ilator ngs, T ing st ne end ram hanica	Progra al En l in o e cente aining for ma ical o D dra s. Fu . Thro fool n udent d a te was al En	ammin ginee ne ba er of z g prog anufa on Ma awing rther ough the nanag s wor est wa condu gineen	ng, S ring, atches zeal co gram, cturin ister (g gen in th these emen k on (is con acted ring I	imula Zeal for f ollege class g spe CAM eration thi session t, Too CNC I ducted by P	tion of Colleginal of en room cified Softword word word word to en rof. ment	& Ma ge of year r ginee sessi prod vare to turni eek o ey we baram ne to exami Mahe	anufac Engi necha ring a ons in uct dr o enha ing o f sess ere ab eters a manu ne stu ndra	eturing neerir nical nd res n whi rawin nce s perati sion s le to and N factur idents Kalya	g was ng an engir search ch stu g. Fu tuden on, F studen work IPP g re the ' prog anshe	scheid d Res heering Pune udents rthern ts exp Raw r hts w with genera job as gress i tti in	duled earch. g stude were nore, s pertise nateria ere ex simula tion. In g per re	traini at De The t ents at trained ession in file l setti posed tors in the fi quiren C Mac guidand of Zea	d to w carrie format ng & to D0 Tool inal we hining	rite a d out t, unit D-NC offset eek of HOD
DO DOO	PO 1	PO 2	PO 3	PO 4	PO 5	РО 6	PO 7	PO 8	PO 9	РО 10	РО 11	PO 12	PSO 1	PSO 2	PSO 3	PSO 4
POs/PSOs						1										







DEPARTMENT OF MECHANICAL ENGINEERING

OutcomesThe students got hands on experience through this program on CAM-CNC programming
and simulation. Moreover, develops technical skills and produce industry ready CNC
operators and product designers who are able to make any part you can imagine on your
CNC Machine.



Photo Gallery

Photo 1 Students learning Coding on DoNC Simulator



Photo 2 Students practicing on on CNC Machine

Course Coordinator



Head of the Department





		SE PBL	Guide and Title	List Sem : 1		
		nical Engineering Academic Ye	ear: 2021 - 2022	Date : 01/10/2021		
lass: SE	Mechanica					
Project	Roll No	Names of the students	Guide	Project Title		
Gr No.	S612045	VALKUNDE LALASO SANJAY				
	S611030	GAMRE KARAN NARESH	1	Material Aplication : Stainless steel		
Gl	S611026	GADHAVE VAISHNAVI NANASAHEB	Prof.Godase S.M.	Material Aprication . Stathless steel		
	S612003	KURUPKAR SAIEM MUSTAFA				
	S612009	MISAL PRASAD SUBHASH				
	S611010	BHESKE TEJAS DATTATRAY				
	S612050	WAGHMODE KIRAN PANDURANG		Material & Manf. Of Carbon Fiber		
.G2	S612042	THOPATE ATHARVA RAHUL	Prof.Adewar S.S.	Material & Main. of Calorin Hoer		
	S612036	SONTAKKE RAVINDRA SURESH				
	S612008	MISAL ANIKET BABANRAO				
	S611045	KHAMKAR APURVA TUKARAM				
	S612018	PHUTAK CHINMAY SUNIL	Des C Danada C C	Buckling of column Structure		
G3	S612020	PRAJAPATI SIDDHARTH SATYAPRAKA	KA Prof.Borade S.S. Buckling of	Ducking of the second		
	S612049	WAGH AJAY DATTATRAY				
	S612010	MULE PRATHAMESH PRAMOD				
	S612052	WAKADE PRAJWAL RAMKISHAN				
	S612004	LAGAD OM SANDEEP	Prof.Borade S.S.	Temperature stress in composite material		
G4	S612001	KSHIRSAGAR ONKAR SHRIKANT	Prof.Borade 5.5.			
	S611001	ABDUL FAIZAL MOHIDEEN				
	S611040	JOSHI HARSH SANTOSH				
	S611009	BHABAL SANIKA PRAVINKUMAR				
	S611018	CHILE JAYDEEP ANANDA	D 0D 100	Natural deformation in metal due to change in		
G5	S611050	KODAG UMESH DHANAJI	Prof.Borade S.S.	temperature		
	S611003	AIWALE SHREYAS MALHARI				
	S612005	LATAKE SOURAV SUDHIR				
	S612033	SHINDE PRADIP TANAJI				
	S611034	GHARAL MUKUND PANDRINATH				
G6		DUDDOO PARTH PRASHANT	Prof.Deshmukh J.A	Case study of Gear Material		
	S612043	TIWARI ANURAG RAJESHKUMAR				
	S612029	SANAP DNYANESHWAR SAYAJI				
	S611014	CHANDEL DIGVIJAY KIRANSINGH				
	S612046	VILASAGAR ARYA VINAYAK				
G7	S611020	DANGI CHIRAG GHANASHYAM	Prof.Deshmukh J.A	Case study of Glass & Steel with Application		
	S612051	WAGHUMBARE MAHESH BALASAHEB				
	S612025	SAGARE PRATISH RAMESH				
	S611008	BAWANE PAVAN BANDUJI				
	S611031	GANDEWAR SACHIN SANTOSH				
G8	S611013	BHOR YASH NARAYAN	Prof.Deshmukh J.A	Material Application & Properties: Graphics & Fib		
F	S612047	VISHWAKARMA SHRIKANT				
		GAIKWAD DHAWAL VINOD				
		SATPUTE PRASHANT DILIP				
-	and the second state of the Calif	PATANKAR AYUSH ASHISH				
G9		GAIKWAD ABHISHEK GAUTAM	Prof.Gadekar T.D.	Case Study on Rubber		
-		KADAM ABHISHEK HANUMANT		Case Study On Rubber		
		SATHE SUDIN ASHISH				



Scanned with CamScanner

Gr No.		Names of the students	Guide		
	S611011	BHINGARE AKASH PRAKASH			
	S611023	DHURVE DHAVAL SANJAY			
G10	S611032	GARUD PRATHMESH GORAKHNATH	Prof.Gadekar T.D.	Conceptual model of BCC	
	S612012	NIKAM MANJUSH PANDURANG			
	S611042	KAKADE PRAJWAL PRADEEP			
	S612039	THAKARE DHANSING MAGAN			
	S611051	KOKITKAR SAHIL SHANKAR		Kevlar Fiber	
G11	S612016	PATHAN ASLAM RASUL	Prof.Gadekar T.D	Revia Floer	
	S612023	RANPISE BHUSHAN ANKUSH			
	S611016	CHAUHAN AKHILESH KANHAIYALAL			
	S612014	PARNERKAR SIDDHI JAGDISH			
	S611033	GAVALI RUSHIKESH VISHAL		Crystal structure	
G12	S612027	SALEGAVE RANI ARVIND	Prof.Adewar S.S	Crystal structure	
	S611039	JADHAV KHEMRAJ NAVNATH			
	S611022	DHOTRE SHUBHAM VIJAY			
	S612011	NAIK MANTHAN SANDEEP			
	S611007	BANDAL PRANAV SUNIL		Crystal structure on CBS & HCB	
G13	S611012	BHOITE MAYURI MOHAN	Prof.Adewar S.S	Crystal structure on CBS & HCB	
	S612037	SUTAR SANGRAM SITARAM			
-	S611037	GHORPADE PRASAD RAJIV			
	S612053	WARKADE SUJEETKUMAR KANHAIYA			
~	S611029	GAIKWAD RAJ SHANTARAM	D. CH. J. A.V.	Material Aplication : Stainless steel(House hold	
G14	S611044 KARVE SHUBHAM SANJAY		Prof.Karande A.V.	application)	
	S612032	SHINDE ABHISHEK DATTATRAY			
	S611005	ANDHALE ROHIT KISAN			
	S611019	DAFAL SANKET MAHADEV			
G15	S611024 S612024	EKAWADE SHUBHAM DNYANDEV ROY PRADUMN	Prof.Karande A.V.	Matarial - Enour maion	
015	S612024 S612034	SHINDE VIKAS BHAGAWAN	FIOLKarande A.V.	Material : Epoxy resign	
	S612034	SONAWANE RUSHIKESH UTTAMRAO			
-					
	S611053	KOLI PRANAV MALLESHA			
G16	S612013	PANCHAL RUTWIK DATTATRAY	Drof Karanda A V		
010	S611049	KHULE HARSHAL SUNIL	Prof.Karande A.V	Material : Ball Bearing	
	S611004	AMBEDE KETAN KESHAV			
	S611015	CHAUDHARI PRAJWAL RAHUL			
	S612040 S612026	THAKUR NEERAJ SATYANARAYAN SAHIB SINGH RATTAN			
G17	S612028	SUTAR SHREENARAYAN CHANDRAKA	Drof Charthal C. M.	the second second second second second	
017	S611036	GHODNADIKAR GANESH SANDEEP	Prof.Charthal S. M.	Process of Plastic Chair Manufacturing	
	S611050	KOLE TEJAS ANIL	State of the second second		
	S611032	KALE VIVEK DADASAHEB			
	S611021	DHOTRE DEVESH MALIK	and the second second		
G18	S612002	KUDALE BHAVESH MAHENDRA	Prof.Charthal S. M	Mariam	
	S612002	MAHAJAN BHARAT NAVNATH	. Tononarular 5. IVI	Material Testing & Properties of Ceramic	
	S611048	KHEDEKAR CHETAN SANTOSH			
	S612041	THITE GANESH RAMCHANDRA			
	S612019	POONJA PRAJNESH UMESH			
G19	S612022	RAJVIR ABHISHEK SURESH	Prof.Charthal S. M	Material - Classic - H	
	S611025	FRANCIS ANOSH		Material : Glass Application(Window Mirror)	
	S611046	KHAN MOHAMAD ZAIDALI SAJIDALI			
	S612007	MANIYAR ARBAJ LATIF			
	S612017	PATIL PRAJWAL VIJAY			
G20	S611054	KORVEKAR CHINMAY CHANDRAKAN	Prof.Kulkarni S.S.	Material . D. t	
	S612044	TODKAR ATHARVA DEEPAK		Material : Polymer Application	
- And	S612048	WADKAR OMKAR MAHADEO			
		WADKAR OMKAR MAHADEO	t of anics eening a Research		
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Project Gr No.	Roll No	Names of the students	Guide	Project Title	
	S612021	PUJARE VAIBHAV PRABHAKAR			
C21	S611006	BADE RAVI BANDU	Prof.Kulkarni S.S.	Plastic material Application : Pen	
G21	S611047	KHARADE SAURABH SUKHDEV	Prof.Kulkarin 5.5.		
	S611017	CHAVAN AKSHAY RAMCHANDRA			
	S611035	GHATE SHANTANU SHANKAR			
	S611002	ADSUL AVIRAJ BHARAT	a art llami SS	Material Propertis of Plastic & Leather	
G22	S611038	HADKAR SIDDHI SANDIP	Prof.Kulkarni S.S.		
	S612028	SANADI SWATI SUBHASH			
	S613001	ATHARE NIKHIL BAPU			
	S613002	AVHAD JYOTI MAHADEV			
G23	S613003	BABADE SAHIL SAMEER	Prof.Godase S.M.	Materials Ball Point Pen And Pressure cooker	
020	S613004	BALLAL SANIDHYA PRASHANT			
	S613005	BHOSALE ARYAN RAJESH			
	S613006	CHAVAN SIDDHARTH SHIVAJI			
	S613007	CHAVAN VAIBHAV HANAMANT			
G24	S613008	DESHMUKH GAYATRI RAJESH	Prof.Adewar S.S.	Materials Electric Iron	
024	S613009	DHABALE OMKAR PRAKASH			
	S613009	DUDDOO PARTH PRASHANT			
-	The second se	DUDHAL SHANTANU GANESH	7		
	S613011 S613012	DURGAD SHRUTI RAJENDRA			
G25			Prof.Borade S.S.	Materials-Screw and Key	
025	S613013	GAIKWAD VISHAL SHIVAJI	FIOLDOIAGE 5.5.		
	S613014	GONDHALE RITESH GAJANAN			
	S613015 S613016	GORE ABHIJEET SHIVAJI GORE NIKHIL RAMHARI			
	S613017				
G26	S613017		Prof.Borade S.S.	Materials-Brass	
020	S613019		1101.Dolade 5.5.		
	S613019				
•	S613020				
	\$613022				
G27	S613022		Prof.Borade S.S.	Materials-Spoon and Rubber	
027	S613024		FIOL DOTAGE 5.5.		
	S613024				
	\$613025				
	S613027				
G28	S613028		Prof.Deshmukh J.A		
	S613029		TIOLDESIIIIUKII J.A	Materials Laptop and Mobile	
	S613030				
	S613031			the second s	
100	S613032				
G29	S613033		Prof.Deshmukh J.A		
	S613034		TOLDOSINIUKII J.A	Materials Water Glass	
	S613035				
	S613036				
	S613037			and the second state of the second	
G30	S613038		Prof.Deshmukh J.A	and the second second second second	
	S613039	MISHRA AKASH	Simukii J.A	Materials Lead Pencil and Spring	
	S613040	MORE PRAFUL PRAMOD			



Project Gr No.	Roll No	Names of the students	Guide	Project Title	
	S613041	NAIK KIRAN RAJAN			
1000	S613042	OVHAL SUMIT SUNIL		Material Dish hanger and Kelvar	
G31	S613043	PARMEKAR DIGVIJAY	Prof.Gadekar T.D.	in the second second second second	
	S613044	PATIL OMKAR ANANDRAO			
	S613045	PAWAR PRAJWAL MANOJ			
	S613046	PAWAR VISHAL BANDU			
	S613047	POMAN PRATHAMESH BALASAHEB	AHEB Prof.Gadekar T.D.	Materials-Water Heater	
G32	S613048	RAUT OMKAR GAJANAN			
	S613049	RUPANVAR BHAGAWAN SHANKAR			
	S613050	SALUNKHE ANUP JAGANNATH			
	S613051	SAPKAL ONKAR SURESH			
	S613052	SARALKAR WEDANT HEMANT		Materials-Spark Plug	
G33	S613053	SHINDE AKASH SUHAS	Prof.Gadekar T.D	Machais-Spark Flug	
	S613054	SHINDE KISHOR PARASHURAM			
	S613055	SHINDE PRASAD RAMDAS			
	S613056	SONAVANE RAVIRAJ BHATU			
	S613057	SONWALKAR SONALI TANAJI		Marchine Deltared Direction Chair	
G34	S613058	TAKALE PANKAJ GANESH	Prof.Adewar S.S	Materials Belt and Plastic Chair	
	S613059	UJGARE MANOJ RATAN			
	S613060	ZADE PRITESH PRASAD			
	S613061	ZENDE SHREYAS ANAND			
	S613062 ZIRPE MAHESH NARAYAN				
G35	S614001	BHAGWAN TEJAS SANTOSH	Prof.Adewar S.S	Materials Pen and Window Glass	
	S614002	BHAPSE MAHESH UDDHAV			
	S614003	DESHMUKH ASHUTOSH AVINASH	•		
	S614004	DESHMUKH PURUSHOTTAM R			
	S614005	DHANNE CHAITANYA KAPIL			
G36	S614006	DUDHE GHANASHYAM M	Prof.Karande A.V.	Materials Cable Wire and Glass	
	S614007	GAIKWAD SUSHANT SATISH	1		
	S614008	GANGADHAR RAHUL PRAVIN	1		
	S614009	JADHAV YASH			
	S614010	JANA PRANAV VINAYAK			
G37	S614011	KAGWADE ANANT KUMAR	Prof.Karande A.V.	Materials Pressure Cooker	
	S614012	KALAMBE MADHURA MILIND	Tion. Rarande A. V.	Waterials Tressure Cooker	
	S614013	KARANJKAR YASH SANTOSH			
	S614014	KARTIK DARWATKAR			
	S614015	KAZI RAHIL LIYAKAT			
G38	S614016	KHADASE ASHISH SUDHAKARRAO	Prof.Karande A.V	M	
	S614017	KHOPATKAR AMIR ASHFAQ		Materials-V belt	
	S614018	MALI NAGESH DATTATRAYA		and the second	
	S614019	MANDAVKAR PAVAN SAMBHAJI			
	S614020	MASKE SANTOSH SHANKARRAO			
G39	S614021	MORE PAWANKUMAR SANDIP	Prof.Charthal S. M.	Material & manufacturing process - compass and ma	
190190	S614022	NAIKODI AVINASH BALWANT		rover wheel	
	S614023	NILESH PRABHAKAR GAVANE			
	S614024	PANSARE TUSHAR SAMBHAJI			
	S614024	PATIL HRUTVIJ AMARSINH			
G40	S614025	PAWAR OMKAR SURENDRA	Prof Charles 1		
010	S614027	PAWAR OMKAR SORENDRA	Prof.Charthal S. M	Materials-Vernier And Alloy wheels	
	S614027	PUJARI LAXMI SHIVLINGAPPA			
	3014028	TOTAKI LAAIVII SHIVLINGAPPA			



Project Gr No.	Roll No	Names of the students	Guide	Project Title	
01.150.	S614029	SALUNKE SWEEKAR HEMANT			
	S614030	SALUNKHE AJINKYA HANUMANTRAO		M toniala Class and Small at the	
G41	S614031	SASHTE SIDDHANT RAJESH	Prof.Charthal S. M	Materials Glass and Synthetic Fibre	
	S614032	SHINDE ADITI SATISH	-		
	S614033	SHINDE TEJAS DASHRATH			
	S614034	SHINDE VISHWAJEET HEMANT			
	S614035	SINGH AMIT RANJEET		the Deep Letah & Wind Mill Die	
G42	S614036	SIRSATH SUNIL VISHNU	Prof.Kulkarni S.S.	Materials - Door Latch & Wind Mill Blade	
	S614037	SONAWANE ROHIT SHUKLESHWAR			
	S614038	SORATKAR RAKESH RAMESH			
	S614039	AHIRE ASHUTOSH SUBHASH			
	S614040	BULBULE KALPESH NARENDRA			
G43	S614041	DESHMUKH HIMANSHU SANJAY	Prof.Kulkarni S.S.	Materials-Printer	
	S614042	DHAMALE ROHIT DEEPAK			
	S614043	GANDHI SANJOG SANJAY			
	S614044	JADHAV HARSHWARDHAN RAHUL			
	S614045	JADHAV PURUSHOTTAM ASHOK			
G44	S614046	KADAM AMULYA RAJESH	Prof.Kulkarni S.S.	Materials-Printer	
	S614047	KADAM CHETAN RAJU			
	S614048	KAMBLE ASHITOSH SUNIL			
	S614049	KAMBLE VIKAŞ VILAS		Materials Vernier Caliper	
	S614050	KEDARI SUKESHINI ARUN			
G45	S614051	KHADE HARSHADA ADIK	Prof.Godase S.M.		
·	S614052	KHIRADE ROHIT RAJU			
	S614053	KULKARNI ARPITA MAHESH			
	S614054	KULKARNI PRATHMESH MANOJ			
	S614055	MOKAL SATYAJIT KESHAV			
G46	S614056	MOLWANE NIKHIL ANIL	Prof.Adewar S.S	Materials PVC Pipes	
	S614057	NANAWARE OMKAR NARAYAN			
	S614058	PANCHESIL GULAB GAIKWAD			
	S614059	SAKUNDE SHUBHAM PRALHAD			
	S614060	SHAIKH AJIM YUNUS			
G47	S614061	SOGAM GANESH SANJAY	Prof.Adewar S.S	Materials Glass and Synthetic Fibre	
	S614062	ZITRE SHUBHANKAR LAXMAN			
1.5	S614063	ARDE ATHARVA BHARAT		a lo se la sel esta a se	
	S614064	AWARE KALYANI SATISH			
G48	S614065	GAWADE PRATIK BABAN	Prof.Adewar S.S	Matarial VII I	
0.0	S614066	HAGAWANE TANAYA SUBHASH		Materials-V belt	
	S614067	YADAV OMKAR NILESH		1 130	

Prof. Karande A. V. PBL Coordinator



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Prof. Godase S. M. Head of the Department



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Record No.: ZCOER-ACAD/R/

Revision: 00

Date:01/04/2021

List of Students with Mini Project Titles (AY 2021-22)

SN	Roll No.	Student Name	Mini-Project Title
1	T611009	Bovlekar Jay Santosh	Temperature stress in composite material
2	T611026	Jadhav Omkar Gorakhnath	Automatic Mechanical garage door opener
3	T611027	Jha Deepak Gunpati	Materials Electric Iron
4	Т611030	Kaname Prajwal Sahebrao	Seissors lift
5	T611039	Moon Pritam Vasantrao	Automatic Mechanical garage door opener
6	T611040	Narayankar Omkar Uddhav	Automatic Mechanical garage door opener
7	T611041	Nikam Sumit Kantilal	Human powered threshing machine
8	T611044	Patil Shantanu Shivajirao	Materials Laptop and Mobile
9	T611057	Sutar Shivendra Vishnu	Dish hanger and Kelvar
10	T611058	Suthar Pravin Tilok	Dish hanger and Kelvar
11	T624019	Gaikwad Shreyash Sunil	Water Heater
12	T624031	Kumbhar Aniruddha S.	Water Heater
13	T612005	Chaus Faizan Hamid	Belt and Plastic Chair
14	T612011	Dhupkar Pranav Suhas	Belt and Plastic Chair
15	T612013	Doke Shubham Babasaheb	Scissors lift
16	T612029	Kompalwar Kiran Keshav	Pressure Cooker
17	T612040	Patil Sarvesh Santosh	compass and mars rover wheel
18	T612041	Pawar Ajinkya Sadashiv	Manual Parking system
19	T612042	Pawar Vaibhav Bapusaheb	compass and mars rover wheel
20	T612045	Shantanu Pradeep Akashe	Buckling of column Structure
21	T612048	Shinde Rushikesh Navnath	Buckling of column Structure
22	T612051	Sonawane Pranav Rajendra	Manual Parking System
23	T612054	Tudme Vinod Vitthalrao	Manual Parking System
24	Т624040	Mulik Prajwal Pralhad	Human powered threshing machine
25	T612008	Chow Paliktan Mannoi	Seissors lift
26	T612010	Deshpande Sanket Keshav	Materials - Door Latch & Wind Mill Blade
27	T612011	Deshpande Yogesh Ganesh	Manual Parking System
28	T612012	Dhumal Kailas Shivshankar	Materials - Door Latch & Wind Mill Blade
29	T612028	Kharat Saurabh Suresh	Manual Parking System
30	T612039	Panchal Omkar Pandharnath	Materials Vernier Caliper
31	T612052	Shinde Vishal Dattatraya	Slider Crank Mechanism
32	T612055	Umaranikar Akshay D.	Manual Parking System
33	T612056	Vasave Rohit Dattatray	Buckling of column Structure
34	T613057	Bhore Karan	Buckling of column Structure
35	T624001	Agrawal Dhawal Lalit	Buckling of column Structure
36	T624002	Armewad Sairaj Pundlik	Case study of Gear Material
37	T624017	Dolare Saurabh Tukaram	Case study of Gear Material
38	T624018	Gaikwad Nikhil Narendra	Case study of Gear Material
39	T624020	Gaikwad Vaibhay Tukaram	Slider Crank Mechanism

40	T624023	Jeughale Prashant Ashok	Temperature stress in composite material
41	T624024	Kadam Sushilkumar S.	360 degree rotating conveyor best system
42	T624029	Kule Viraj Vilas	Human powered threshing machine
43	T624036	More Abhijeet Tanaji	Conceptual model of BCC
44	T624039	More Rahul Popat	Conceptual model of BCC
45	T624043	Patarphale Mahesh Sanjay	Touchless Door
46	T624046	Pedanekar Rahul Adesh	Conceptual model of BCC
47	T624047	Raut Ketan Kishor	Case study of Epoxy resign
48	T624049	Savale Sourabh Prakash	Touchless Door
49	T624053	Shinde Vinay Vijay	Case study of Epoxy resign
50	T624054	Telangwad Shivaraj Ramdas	Temperature stress in composite material
51	T624055	Vahadane Atul Dadapatil	Touchless Door
52	T624058	Walanj Rahul Shantaram	360 degree rotating conveyor best system
53	T624060	Yashvante Shrikant B.	Conceptual model of BCC
54	T612010	Dhumal Vinod Balaji	Slider Crank Mechanism
55	T612003	Bolegave Vikrant Baliram	Temperature stress in composite material
56	T612009	Darda Rushabh Shashikant	Case study of Epoxy resign
57	T612041	Patil Chandrashekhar Milind	Touchless Door
58	T625003	Badhe Omkar Dnyaneshwar	Touchless Door
59	T625004	Bansode Dinesh Bhagwat	Case Study on Rubber
60	T625007	Bidbag Shubham Vikram	Conceptual model of BCC
61	T625008	Chavan Manoj Vitthal	Case study of Glass & Steel
62	T625009	Chavan Pavan Kailas	Case study of Epoxy resign
63	T625011	Chougule Satej Popat	Case Study on Rubber
64	T625013	Dhamal Anushka Prashant	Case study of Epoxy resign
65	T625014	Dhumale Aniket Vijay	360 degree rotating conveyor best system
66	T625018	Hanamghar Soham D.	Human powered threshing machine
67	T625020	Jagtap Sushil Nilkanth	Material Properties of Plastic & Leather
68	T625021	Jana Shashank Narendra	Process of Plastic Chair Manufacturing
69	T625025	Kolhe Rohit Sanjay	Process of Plastic Chair Manufacturing
70	T625029	Lingayat Ankit Arvind	Case Study on Rubber
71	T625033	Maniyar Aftab B.	Slider Crank Mechanism
72	T625036	Nicholas Amit Eric	Process of Plastic Chair Manufacturing
73	T625038	Panchal Aniket Hemant	Material Properties of Plastic & Leather
74	T625039	Pasalkar Gaurav Appa	Material Properties of Plastic & Leather
75	T625041	Pawar Meghana Mahendra	Temperature stress in composite material
76	T625045	Rathod Akash Prabhakar	Case study of Glass & Steel
77	T625046	Rikibe Suraj Rama	Case study of Glass & Steel
78	T625049	Sawant Ajay Sanjayrao	Case study of Glass & Steel
79	T625054	Sonawane Mohan Suresh	Case Study on Rubber
80	T625055	Tengale Akash Pralhad	360 degree rotating conveyor best system
81	T625056	Ubhe Ritesh Rajendra	Slider Crank Mechanism
82	T625058	Waghela Vishal Dipak	Case Study on Rubber

Dr. Y. M. Bhamare Mini Project Coordinator



Aluli \$ Prof. S. M. Godase

Head of the Department



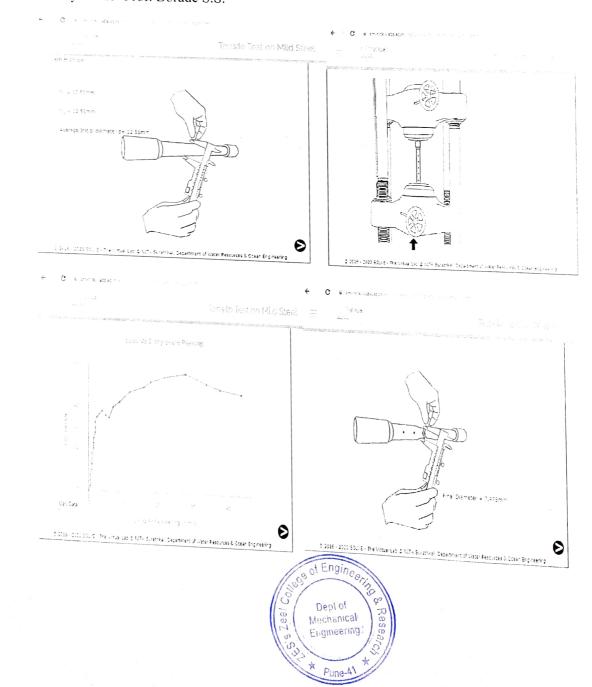


Department of Mechanical Engineering

Laboratory Training using Virtual Lab

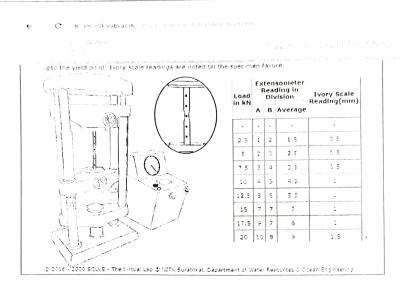
Faculty member and students are encouraged to use Virtual Laboratory. Few courses in the curriculum has incorporated the use of virtual laboratory, online learning, simulation, etc. Name of the Laboratory- Strength of Material

Class- SE MechanicalAcademic Year- 2021-22Semester- IName of the Experiment Conducted - To study the mechanical properties of Mild SteelFaculty Name- Prof. Borade S.S.

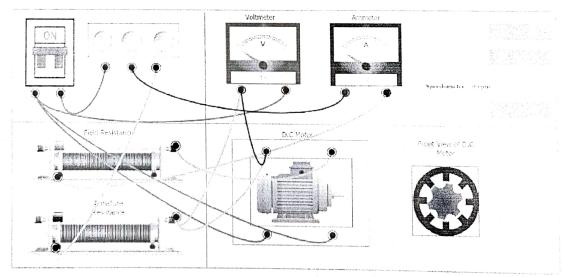








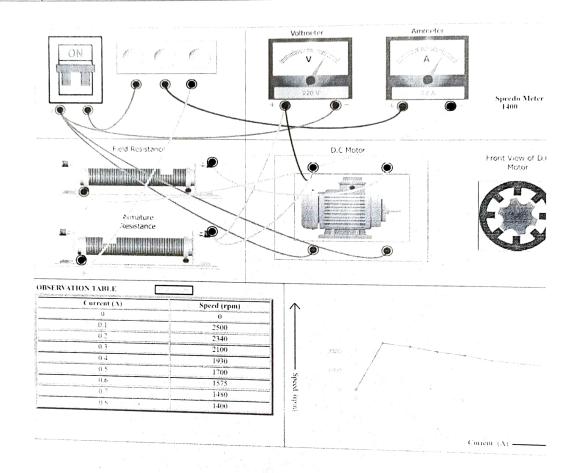
Name of the Laboratory- Electrical and Electronics EngineeringClass- SE MechanicalAcademic Year- 2021-22Semester- IName of the Experiment Conducted - Speed Control of DC motor by field resistance controlFaculty Name- Prof. Goyar D.J

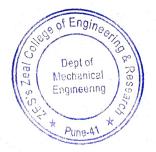












Head of the Department