

## Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

 Ph
 : +918669638081/82
 Email.principal@

 Fax
 : 091-7265-252346
 Email.principal@

Email.principal@ssgmce.ac.in, registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

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

S.N	Experiential Learning Methodologies
1	Project Based learning
2	Fieldwork
3	Community Based Learning
4	Participative Learning



Eall

Principal

## Shri Sant Gajanan Maharaj College of Engineering, Shegaon

## Department of Electrical Engineering

## 2021-22

## List of Final Year BE Electrical Engineering (Electronics & Power)

## Students' Seminar Topics

R. N.	Name of Student	Seminar Topic	
1	Ku. Amisha Ashok Lonagre	Artificial Passenger	
2	Ku. Anuksha Raut	Artificial Intelligence in Power Station	
3	Ku. Arpita Pravin Ingle	Triboelectric Nanogenerator	
4	Ku. Ashwini Mahadev Rajagur	Protection Of Induction Motor Using PLC	
5	Ku. Ashwini Prakash Wagh	Load Changing Impact in Power System During Covid-19 Pandemic	
6	Ku. Dhanashree Shyam Joshi	Digital Microfluidics Electrowetting	
7	Ku. Dhanshree Dilip Bhise	Electrical Vehicle Battery Management System Using Power Line Communication Technique	
8	Ku. Gayatri Ajit Kulkarni	Energy Conservation in Electrical System	
9	Ku. Kanchan P. Wakode	Research On Measurement Technology of Transformer No-Load Loss Based on Internet Of Things	
10	Ku. Komal Gajanan Tayade	Liquid Electricity	
11	Ku. Krutika Ganesh Akhare	Inter Turn Fault Analysis on Wound Rotor Induction Machine	
12	Ku. Manjusha Keshavrao Ingle	Design Of Thermal Power Generation System Based on Underwater Vehicles	
13	Ku. Mansi Udaysingh Rajput	The Application Prospect of Energy Storage Technology in Internet	
14	Ku. Neha Nandkishor Dhande	Harmonic Distorted Load In Microgrid	
15	Ku. Neha Rajendra Deshmukh	Optimal Planning of Solar PV/WTG/DG/Battery Connected Integrated Renewable Energy Systems for ResidentialApplications Using Hybrid Optimization	
16	Ku. Nidhi Agrawal	Face Recognition Attendance System	
17	Ku. Pallavi Dayaram Arbat	Advances In Generator Field Ground Protection Using Digital Protective Relay	
18	Ku. Parinati V. Deshmukh	Germanium On Glass: A Novel Platform for Light Sensing Devices	
19	Ku. Pooja Deshmukh	Thermal Energy Storages for Homes	
20	Ku. Pooja Sharma	Electrical Vehicle Charging Station	
21	Ku. Preeti Ravindra Fulare	Automatic Method of Protecting Transformer Using Pic Microcontroller as An Alternative to The Fuse ProtectionTechnique	
22	Ku. Punam Tejrao Makh	Short Term Load Forecasting Using Machine Learning and Periodicity Decomposition.	
23	Ku. Sakshi Gajanan Mhaske	Analytical Modeling of HVDC Transmission System Converter Using MATLAB Simulation	
24	Ku. Sakshi Sunil Kshirsagar	Performance Enhancement of Voltage Compensators with Battery-Supercapacitor Combination	
25	Ku. Samiksha Kishor Thool	Electrical Properties Of PEDOT	
26	Ku. Shivani Manatkar	Reactive Power Control in Transmission System	
27	Ku. Shreya Satish Parkhe	Estimation Of Open Circuit Voltage and Electrical Parameters of a	

	1		
		Battery Based on Signal Processed by Recursive Least Square Method Using Two Separate Forgetting Factors	
28	Ku. Shweta Anil Mankar	Topologies And Control Techniques of Solid-State Transformer for Electric Vehicle Charging	
29	Ku. Supriya Ashok Dambe	Analytical And Experimental Study of a Rotary Phase Shifter for Power System Application	
30	Ku. Vaishnavi Sahebrao More	Cybersecurity Of Smart Electric Vehicle Charging: A Power Grid Perspective	
31	Ku. Yashashri Arun Patil.	Energy Management System Simulink Model	
32	Abhishek Ajay Patil	Transformer For Distributed Photovoltaic (DPV) Generation	
33	Adarsh Dinesh Moon	Detection And Formation Process of Overheated Electrical Joints Due to Faulty Connections	
34	Aditya Purushottam Mahore	Research On Measuring Methods and Sensors of High Voltage DC Electric Field	
35	Ajinkya Ingale	On-Line Copper Loss Minimization Control Method of Induction and PM Motors With Periodic Fluctuation Load	
36	Aniket Pramod Thakare	Remote Monitoring of Off Grid Renewable Energy	
37	Ashutosh Vijaysing Ingle	Fault Diagnosis in Induction Motor	
38	Ashwin Shelke	Solar Energy Based Mobile Charger	
39	Atharva Shashikant Deshmukh	IoT Based Smart Solution for Leaf Disease Detection	
40	Atul Gajanan Devkate	Solar Energy Storage Method by Hydrogen Production	
41	Bhuvanesh Vikas Kulkarni	Various Types of Touch Screen for Controlling and Monitoring	
42	Charan Kakad	Fault Detection of Induction Motor by Using Neural Network Method.	
43	Dhananjay Vijay Mhaisane	The Study on Coal Mine Using the Bluetooth Wireless Transmission	
44	Divyanshu Raj	Transmission Line Fault Detection Using IoT	
45	Kanav Sharma	Solar Plane	
46	Krunal Ajay Rokde	Pulse Width Modulation (PWM) And Pulse Amplitude Modulation (PAM) Technique for Medium Speed BLDC Motorin Electric Vehicle Application.	
47	Laxmikant Vasant Tekam	Utilization Of Solar Power for Automated Automotive and Locomotive Charging	
48	Lokesh Gulhane	Fault Detection of Induction Motor by Using ICA And Neural Network Method.	
49	Mayur Apotikar	Bioelectrical Impedance Analysis	
50	Niketan Bopte	Study, Modeling and Simulation of The Electrical Characteristic of Space Satellite Solar Cells	
51	Nishant Akhare	Independent Component Analysis of Vibrations for Fault Diagnosis of An Induction Motor	
52	Pankaj Magansing Dhirbassi	Temperature Controlled DC Motor Using Can Protocol	
53	Pradip Samadhan Tayade	Smart Digital Fuel Level Indicator for Two Wheelers	
54	Prakash Vyankat Surwase	HVDS Technology	
55	Prasad Tejrao Patil	Water Usage Optimization of Smart Farm Automated Irrigation System Using Artificial Neural Network	
56	Prathamesh N. Chaudhari	Energy Monitoring	
57	Pratik Ashok Unhale	A Demand-Side Response Smart Grid Scheme to Mitigate Electrical Peak Demands and Access Renewable EnergySources	

58	Pratik Santosh Bhivate	"Modeling Of Electric Vehicle Charging Station for DC Fast Charging"	
59	Pratik Suresh Jadhav	Hydrogen Fuel Cell	
60	Prince V. Zod	Arduino Based Auto Door Control System	
61	Priyatosh Chatterjee	Improvement In Dynamic Performance of a Three Phase Induction Motor by Using Ultracapacitor	
62	Raj Shyam Udapurkar	Reliability Improvement of Power Distribution System for Unmanned Aerial Vehicle	
63	Ritesh Chavan	IOT Based Smart Traffic Management System	
64	Rohan Sanjay Pachpor	Haptics Technology	
65	Roshan Gajanan Rajas	High Voltage DC Transmission of Power (HVDC)	
65	Roshan Gajanan Rajas	HVDC Transmission of Power	
66	Rushikesh Dinesh Bodade	Solar Water Irrigation System with Wireless Control.	
67	Rutik Santosh Balkar	Impacts Of Different Defects on Electrical Field Distribution in Cable Joint	
68	Sachin Rameshwar Bansode	Smart Hybrid Charge Controller	
69	Sachin Vitthal Gaikwad	Robotic Monitoring of Power Systems	
70	Santosh Sanjay Daberao	Grid Connected to Solar Wind Hybrid Power Base on IOT System	
71	Saurabh Sanjay Patil	SLD Of Company.	
71	Saurabh Sanjay Patil	Generation Of Usable Electric Power from Sound Energy	
72	Shoeb Shah Farukh Shah	Real Time Simulation of IEEE 9 Bus System for Fault Analysis Using Transient Response	
73	Shripad Shrihari Chopde	Information Maximization in Blind Source Separation Method Used for Fault Detection of Induction Motor.	
74	Shubham Madhukar Shekokar	ar Energy-Saving Sensors for Precision Agriculture in Wireless Senso Network	
75	Shubhankar Ritesh Kathale	Performance Analysis and Comparison of Load Flow Methods in Practical Distribution System.	
76	Shyam Arun Kokate	Renewable Hydrogen Transmission	
77	Sumit Ravindra Mahajan	Route To Electrification for Trucks & Busses in India	
78	Swatejkumar Rajendra Sawale	Doorbell Cum Visitor Indicator Using Arduino Uno	
79	Vedant Warfade	Fault Detection of Induction Motor by Using Blind Source Separation Method	
80	Vishal Gajanan Paikat	Application Of Ultrasonic Sensor in Automatic Solar Grass Cutter	
81	Vishal Omprakash Chandak	Arduino And Sensor Based Air Pollution Monitoring System Using IOT	
82	Yash Dileep Saharkar	Wireless Rechargeable Sensor Network Fault Modeling and Stability Analysis	

5 Heed Dept of Electrical Engineering E. S. G. M. College of Engl. BHEGAO 4-644203



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

# SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA "Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346

Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

Sr.no.	SISID	Name	Name of Industry/Organization/Compan V	Class	Duration
1	307291	Pranjali Karale	John Deere, Pune	2M	12-08-2021 to 19-03-2022
2	307146	Pragati Tayde		2M	12-08-2021 to 19-03-2022
1	305926	Komal Tayade		3M	15/02/2022 to 22-02-2022
4	306052	Amit Varma		3M	15/02/2022 to 22-02-202
5	306333	Ritik Kuntawar	Jadhav Geres Amravati	3M	15/02/2022 to 22-02-202
6	305991	Sahil Darlawar		3M	15/02/2022 to 22-02-2022
7	306289	Adinath Kale	Army Workshop, Kirki, Pune	3M	05-01-2022 to 05-02-2022
8	306573	Prathamesh Vikram Thakare	ADVANCED CENTRE FOR	3M	01-08-2022 to 02-09-2022
9	306015	Darshan Chaure	ENERGETIC MATERIAL, NASHIK	3M	01-08-2022 to 02-09-2022
10	305686	Ayush Rajput		4M	18-02-2022 to 18-07-2022
11	305693	Deepak Nagar		4M	18-02-2022 to 18-07-2022 18-02-2022 to 18-07-2022
12	305665	Tanvi Nanote	Wipro Itd. Pune	4M	
13	305574	Abhinav Dhale	-	4M	18-02-2022 to 18-07-2022
14	305450	Sahil Gawande	1 -	4M	18-02-2022 to 18-07-2022
15	305731	Athary Wakodika#	1 2400-0- CANDON	4M	18-02-2022 to 18-07-2022
16	305474	Ritik Barwad	E+H, Aurangabad	4M	23-02-2022 to 25-03-2022
17	304864	Sauray Ulke	Amravati MC	4M	23-02-2022 to 25-03-2022
18	305554	Ashwin Pote	ARAI, Pune		20-01-2022 to 13-04-2022
19	305399	Mrunal Bajare	Bosch Ltd. Nashik	4M	03-01-2022 to 02-05-2022
20	305374	Kinshuk Sugandhi	Canter cad, Hydrabad	4M	01-03-2022 to 02-04-2022
21	304530	Sahil bhimrao karpe	Byju's, Nagpur	4M	09-08-2021 to 15-11-2021
22	306834	Shubham Khandare	Bajaj auto Ltd "Aurangabad	4M	10/01/2021 to 10/04/2022
	306190	Sumit Avhale	Tech Analogy	3M	07-06-21 to 21-02-2022
and the second second	306401	VUAY TALOKAR	LIGHT MIGROUP	3M.	11.06.2021 to11.07.2021

HoD, Mech



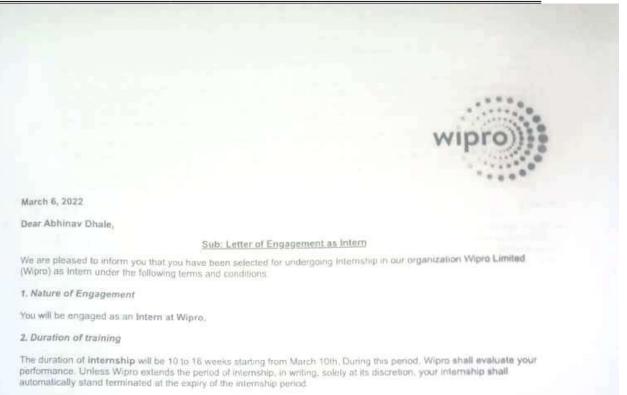
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in



#### **J. Verification Report**

Your engagement with Wipro will be subject to receipt of satisfactory report with regard to ventication of the particulars furnished by you in your application and information given at the time of interview. If any declaration or information furnished to Wipro proves to be false or if you have wilfully suppressed any material information, in such case, you will be liable to removal from training without any notice.

#### 4. Obligations and Responsibilities

a. During your internship period, Wipro expects you to undergo training in any department / section in which you are placed with high standard of initiative and efficiency. You shall devote yourself exclusively for undergoing training. You shall not take up any other work for remuneration (part-time or otherwise) or work on advisory capacity or be interested directly or indirectly in any other trade or business (except as share-holder or debenture holder) during the training period without obtaining permission in writing from the appointing authority at Wipro. You will be governed by the service rules / standing orders, policies and regulations as may be promulgated by Wipro from time to time in relation to conduct, discipline and other matters. You will not ack membership of any local or public bodies without first attaining specific permission from the appointing sufficience of Wipro as they furm, an integral part of the terms of your training with Wipro.

Consequently, you are required to understand the scope and mant bonned tracks publicly and to comply with the same. These Policies are updated i modified on a periodic tasks and new Policies may be introduced and notified to employees/trainees from time to time and you will be required to comply with the same. Any matter or situation or incident that may arise that could potentially result, or has required to comply with the same. Any matter or situation or your employment, shall immediately be brought to the notice of Wipro and appropriate disciplinary action will be initiated.

b. During the training period, if you concerns any new or advanced method of improving processor. Formulae / systems in relation to the Business or Trade of Word, such developments will be hely communicated to Wipro and will be the sole property of Wipro. In consideration of the opportunities, draining and access to new techniques and know-how that will be made available to you, you will be required to comply with the Confidentially Policy of Wipro. Therefore, please maintain all Confidential Information as defined from time to time in the Confidentiality Policy of Wipro, as secret and confidential and de not use or disclose any such Confidential Information except as may be required.



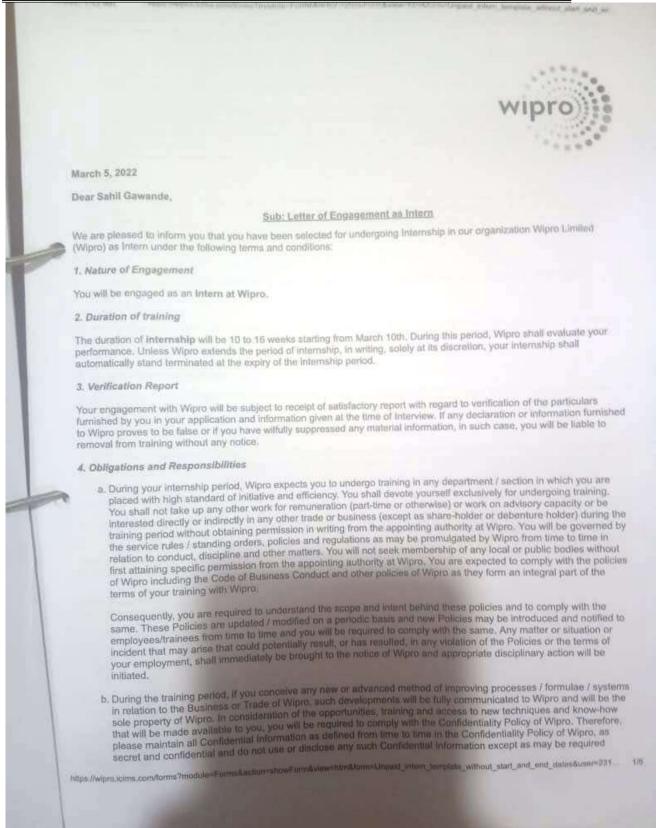
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346





SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346

Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in



March 4, 2022

Dear Deepak Nagar,

#### Sub: Letter of Engagement as Intern

We are pleased to inform you that you have been selected for undergoing Internship in our organization Wipro Limited (Wipro) as Intern under the following terms and conditions:

#### 1. Nature of Engagement

You will be engaged as an Intern at Wipro.

#### 2. Duration of training

The duration of internship will be 10 to 16 weeks starting from March 10th. During this period, Wipro shall evaluate your performance. Unless Wipro extends the period of internship, in writing, solely at its discretion, your internship shall automatically stand terminated at the expiry of the internship period.

#### 3. Verification Report

Your engagement with Wipro will be subject to receipt of satisfactory report with regard to verification of the particulars furnished by you in your application and information given at the time of Interview. If any declaration or information furnished to Wipro proves to be false or if you have wilfully suppressed any material information, in such case, you will be liable to removal from training without any notice.

#### 4. Obligations and Responsibilities

a. During your internship period, Wipro expects you to undergo training in any department / section in which you are placed with high standard of initiative and efficiency. You shall devote yourself exclusively for undergoing training. You shall not take up any other work for remuneration (part-time or otherwise) or work on advisory capacity or be interested directly or indirectly in any other trade or business (except as share-holder or debenture holder) during the training period without obtaining permission in writing from the appointing authority at Wipro. You will be governed by the service rules / standing orders, policies and regulations as may be promulgated by Wipro from time to time in relation to conduct, discipline and other matters. You will not seek membership of any local or public bodies without first attaining specific permission from the appointing authority at Wipro. You are expected to comply with the policies of Wipro including the Code of Business Conduct and other policies of Wipro as they form an integral part of the terms of your training with Wipro.

Consequently, you are required to understand the scope and intent behind these policies and to comply with the same. These Policies are updated / modified on a periodic basis and new Policies may be introduced and notified to employees/trainees from time to time and you will be required to comply with the same. Any matter or situation or Incident that may arise that could potentially result, or has resulted, in any violation of the Policies or the terms of your employment, shall immediately be brought to the notice of Wipro and appropriate disciplinary action will be

b. During the training period, if you conceive any new or advanced method of improving processes / formulae / systems in relation to the Business or Trade of Wipro, such developments will be fully communicated to Wipro and will be the sole property of Wipro. In consideration of the opportunities, training and access to new techniques and know-how that will be made available to you, you will be required to comply with the Confidentiality Policy of Wipro. Therefore, please maintain all Confidential Information as defined from time to time in the Confidentiality Policy of Wipro, as secret and confidential and do not use or disclose any such Confidential Information except as may be required

https://wpro.ic/ns.com/forms?module=Forms&action=showForm&view=htm&torm=Unpaid\_interm\_template\_wathout\_start\_and\_end\_dates&user=231...

1/5



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

# The Automotive Research Association of India (Research Institute of the Automotive Industry with Ministry of Heavy Industries, Govt. of Indus 19 April 2022 To whom it may concern: I am pleased to write a letter in favor of Mr. Ashwin Pote. He has been an intern with the Automotive Research Association of India (ARAI) for three months (3rd Jan 2022 to 2nd April 2022). In that time, we have found Mr. Ashwin to be a reliable, enthusiastic, and supportive contributor in several projects executed during his time with us - willing to do whatever it takes for the good of the project. Ashwin was exposed to traction battery, Thermal propagation test etc. He also grasped a sound understanding of the software used by the testing labs available in ARAI for these machines. Mr. Ashwin Pote curiosity to learn is a clear indicator of the immense promise that he holds as a student. He has always been professional. He is a team player working well and comfortably with others regardless of their technical sophistication. He is always pleasant and finds ways to help others. He possesses effective communication skills and can express his ideas clearly and that is a great asset. Based on my association with him, I am confident that Ashwin Pote would excel in any capacity welcoming its challenges and interacting fully for his future. With Warm Regards A B Mulay General Manager ARAI, Pune



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

## SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in

Ph : +918669638081/82 Fax: 091-7265-252346

Website- www.ssgmce.ac.in



Bajaj Auto Limited, Akurdi, Pune 411 035, India. Tel +91 20 27472851 Fax +91 20 27473398 bajajaulo.com



HRD/ 114964 < DATE: 21.02.2022 (

NAME	: KHANDARE SHUBHAM D
TICKET NUMBER	: 114964 (
DESIGNATION	: DTE <sup>c</sup>
DEPARTMENT	: ASSEMBLY-3W (
DATE OF JOINING	: 07.06.2021 <sup>(</sup>
DATE OF LEAVING	: 21.02.2022 <sup>(</sup>
RATE OF STIPEND	: RS. 11,500/- P.M. <sup>(</sup>
RESON FOR LEAVING	: RESIGNATION.(

SERVICE CERTIFICATE

For Bajaj Auto Limited (Aurangabed Division) GAURAV GUPTA MANAGER (HR)

Registered Office Akurdi Pune 411035 India

CIN L65993PN2007PLC130076



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346

Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in



Date: 27 February 2022

JGL/HRD/2021-22/316

## INTERNSHIP CERTIFICATE

This is to certify that Mr. Ritik Kuntawar pursuing B.E. in Mechanical from "Shri Sant Gajanan Maharaj College of Engineering" has undergone his internship in our "Manufacturing Division" at Jadhao Group of Companies, Amravati, Maharashtra from 29/01/2022 to 27/02/2022.

During the period of his internship, he has demonstrated keen interest in his assignments, displayed satisfactory work performance and was punctual, diligent, and inquisitive.

We wish all the best for his future.



JADHAO GEARS LIMITED



D-9/2, 10 & 11, MIDC Area, Amravati - 444 605 (MS) INDIA, Telefax : + 91 - 721 - 2522967, 2521382. D-92, TO STTT, MIDC Area, Amravau and Oct Micriment, Telerax, To To V21 - 202007, Monorman Media Com, Marketing@jadhaogroup.in; e-mail; jadhaogearspyttdmkt@gmail.com; jgpimarketing@jadhaogroup.in; Meaufacturer of : Cotton Ginning Machines, Cotton Beling Presses, Cotton Cleaning & Material Handling Systems



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

## SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346





Ph : +918669638081/82 Fax : 091-7265-252346

# Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

	Certificate Of Completion
	CANTER CADD
	C. No. : <u>CC117761</u>
	Awarded To : KINSHUK M SUGANDHI
	In : Professional In Mechanical CADD
	At : <u>HYD-AMEERPET</u>
India's No. 1	During : 09-08-2021 - 15-11-2021
CAD Training Institutions	This is a computer generated certificate. For verification visit <u>www.cantercadd.com</u>
	16-11-2021
CANTER CADD and its logo are registered trademarks of CANTER TECHNOLOGIES PRIVATE LIMITED	Managing Director Date Of Issue
Corporate Office: Plot No. 30, Telecom Nagar Colony, Gachibowli, Hyderabad-32, PH: 040-64629194 / 64629191 www.cantercadd.com	The courses offered at CANTER CADD are very comprehensive and of high quality. The participants are trained by well experienced instructors in the latest technology.



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

## Endress+Hauser

trees a Hannar (India) Automation Instrumentation Pvt 118

Date: 25th March 2022

# **CERTIFICATE**

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Ritik Dilip Barwad (305474) student of Shri Sant Gajanan Maharaj College of Engineering Shegaon (M.S) India is pursuing his Bachelors Degree in Mechanical Engineering. He has successfully completed In-Plant Training Program with Endress+Hauser (India) Automation Instrumentation Pvt. Ltd. Aurangabad. The tenure was from 23<sup>rd</sup> February 2022 to 25<sup>th</sup> March 2022. During the internship, he has successfully completed the project of 'Logistics cost reduction'

surper our measurement and reporting / assessment structure he was found to be hard working, sincere and has been excellent during the training program.

We wish him all the success for his future.

Charudutt H. Mushrif Asst. Director (HR and Admin)

Protection & Manuscre (Archin) Automentation Protection R0, 192-3, annual version R0, Second and Archine R0, Second and Archine Protection (2004) R0, and (2004) R000 Protection (2004)



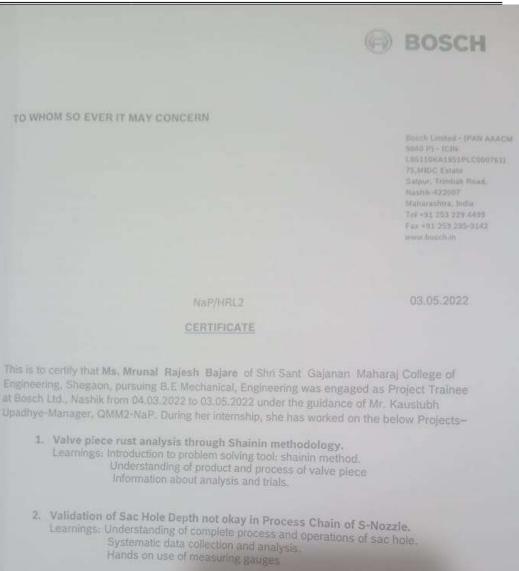
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in



We wish her success in her future endeavours.

oki, BIOSCH, Orode agent w APAC, K, A Grussbibli,U Sectore agentic sectore agentic

For Bosch Lima

Kaustubh Upadhye

Manager QMM2-NaP APACINA STATISTICS

Sneha Oak

Deputy Manager Human Resource

Managing Director, Soumina Bharracharya, Jont 7



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Approved by the D.I.E., M.S. Mumba

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

Endress+Hauser

and an a standard Dividing Buller that have been property to be been and the second se

Date: 25th March 2022

# **CERTIFICATE**

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Atharva Ravindra Wakodikar (305731) student of Shri Sant Gajanan Maharaj College of Engineering Shegaon (M.S) India is pursuing his Bachelors Degree in Mechanical Engineering. He has successfully completed In-Plant Training Program with Endress+Hauser (India) Automation Instrumentation Pvt. Ltd. Aurangabad. The tenure was from 23<sup>rd</sup> February 2022 to 25<sup>th</sup> March 2022.

During the internship, he has successfully completed the project of "Logistics cost reduction" As per our measurement and reporting / assessment structure he was found to be hard working, sincere and has been excellent during the training program.

We wish him all the success for his future.

Charudutt H. Mushrif Asst. Director (HR and Admin)

Endress + Hauser (India) Automation Instrumentation Put tot.



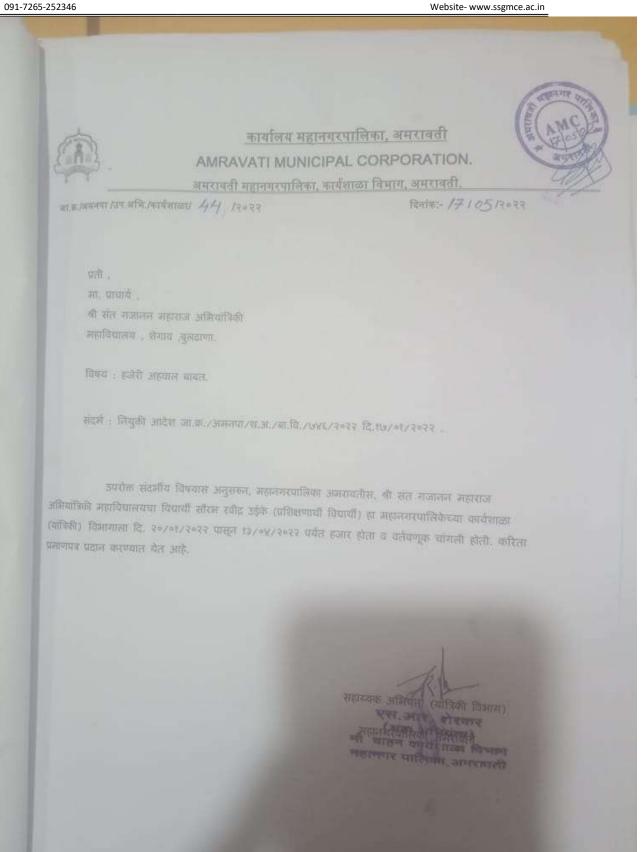
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346





SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in



JGL/HRD/2021-22/313

Date: 27 February 2022

## INTERNSHIP CERTIFICATE

This is to certify that **Mr. Amit V. Varma** pursuing B.E. in Mechanical from **"Shri Sant Gajanan Maharaj College of Engineering"** has undergone his internship in our **"Manufacturing Division"** at Jadhao Group of Companies, Amravati, Maharashtra from 29/01/2022 to 27/02/2022.

During the period of his internship, he has demonstrated keen interest in his assignments, displayed satisfactory work performance and was punctual, diligent, and inquisitive.

We wish all the best for his future.





#### JADHAO GEARS LIMITED

DB/2, 10 & 11, MIDC Area, Amraveti - 444 605 IMS) NDIA, Telefax ; + 91 - 721 - 2522967, 2521382. Website www.jacheogn.com; www.jacheogroup.in.ie-met.jacheogearcovitizimkt@gmail.com; japimerketng@scheognoup.in Manufacturer of I Cotton Ginning Machines, Cotton Baling Preases, Cotton Cleaning & Materiel Handling Bystema, Bectropel Control Panels, Oil Expeller & Cotton Seed Dryan.



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in



#### TO WHOMSOEVER IT MAY CONCERN

Date: 17th April 2022

This is to certify that Sahil Karpe, has successfully completed his internship with BYJU'S during the period 10/01/2021 to 10/04/2022.

During the internship period, he handled Lead Generations and activations for BTL Campaign.

During the course of internship, Sahil has shown great amount of responsibility, sincerity and a genuine willingness to learn and zeal to take on new assignments & challenges. In particular, his coordination skills and communication skills are per excellence and his attention to details is impressive.

His work was exceptional and we wish him all the very best for future endeavors.

With regards,

RajasiGawande Marketing Manager - Nagpur +91-9975287183 rajasi.gawande@byjus.com www.byjus.com



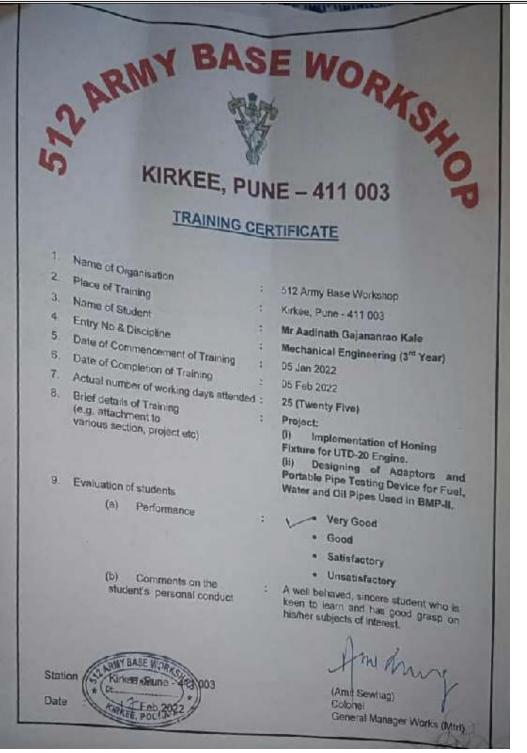


Shri Gajanan Shikshan Sanstha's
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA "Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., Mew Deini Amiliated to Sant Gadge Baba Amravati University, Am "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346





SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346

Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in



JGL/HRD/2021-22/315

Date: 27 February 2022

#### **INTERNSHIP CERTIFICATE**

This is to certify that Mr. Sahil S. Darlawar pursuing B.E. in Mechanical from "Shri Sant Gajanan Maharaj College of Engineering" has undergone his internship in our "Manufacturing Division" at Jadhao Group of Companies, Amravati, Maharashtra from 29/01/2022 to 27/02/2022.

During the period of his internship, he has demonstrated keen interest in his assignments, displayed satisfactory work performance and was punctual, diligent, and inquisitive.

We wish all the best for his future.





## JADHAO GEARS LIMITED

D-8/2, 10 & 11, MIDC Area, Amnavati - 444 605 (M5) INDIA. Telefax - + 91 - 721 - 2522967, 2521362 Website: www.jedhaogin.com; www.jedhaogincus.in; e-mail: jedhaogeenspititidmiktiegimail.com; jppimarkading@jetheoginous.in Menufacturer of ; Cotton Binning Mechines, Cotton Beiling Presses, Cotton Deening & Meterial Handling Systems, Electrical Control Panels, Oli Expeller & Cotton Sead Dryer



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

## SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in



John Deere India Private Limited CIN - U74220PM1997PTC112421 Unit: John Deere Pune Works Off Pune Nagar Road, Saneswadi Pune 412208, India

Tol : +01 (2137) 667111 Fax: -91 (2137) 666637 / 666838

Dt:24-Mar-22

JDJPL\2022\113353

Pragati Ashok Tayade DEPT: Engine PS.NO:113353

Dear Pragati,

#### **Re: Your Resignation**

We are in receipt of your letter dated 19/02/2022 tendering your resignation from the service, which we hereby accept. As requested, you are relieved from your duties with effect from 16/03/2022.

 As per the terms and conditions of your employment you are required to give 30 days' notice period to terminate your contract of employment.

Your provident fund dues will be settled as per rules. Your other dues, if any, will be settled by our Accounts Department on production of the Clearance certificate, duly completed.

For John Deere India Private Limited – Pune Works

Authorized Signatory

Encl: Service Certificate CC: Personal File

Registered Office : Tower 14, Cyper CAy, Magarpatta City, Hadapsar, Puno 411 013, Mdia. Tel : + 81 (20) 63425000, Fax : + 81 (20) 65425301 Webs z: ; www.downr.co.h

Company Use

Scanned with CamScanner



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

## SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346





SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in



JGL/HRD/2021-22/313

Date: 27 February 2022

## INTERNSHIP CERTIFICATE

This is to certify that Ms. Komal Tayade pursuing B.F. in Mechanical from "Shri Sant Gajanan Maharaj College of Engineering" has undergone his internship in our "Manufacturing Division" at Jadhao Group of Companies, Amravati, Maharashtra from 29/01/2022 to 27/02/2022.

During the period of his internship, he has demonstrated keen interest in his assignments, displayed satisfactory work performance and was punctual, diligent, and inquisitive.

We wish all the best for his future.





#### JADHAO GEARS LIMITED

D-5/2, 10 & 11, MDC Aree, Annavab, 444 GC5 MBI INDA, Telefax, + 81, 721, 252957, 2521362, Website: www.achaogn.com, www.scheogroup.nl, smill jedheogencp.tbdmit/dgmat.com; jp/maniotra@ischaogroup.hl Menufacturer of Locton Birming Mechnes, Octoon Being Precises, Ootton Cleaning & Meterial Hending Systems, Biastrical Control Panco, Oli Expolor & Cotton Beed Dryw.



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346





SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346







SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346

	wipro)
	~~****
	March 4, 2022
	Own Ayach Rajana.
	State, Loritor of Engineering in Arthrest
	we are advanted to inform you that you have haven autor to be order print deformation in our organization Wigno Camited Want as advery and/or the Education being and construction.
	r, Nature of Englagorium
4	ing, with the stringing and which the latences are Weigness.
2	Duration of training
124	ha dighter of lotestalling with us for which and classify give a black start. During this period, Wegne shell evoluate your administration Unders March externals for assists of index (q), is avoing couldly at the discussion, your intermetively stall administrative flatts here indexed as the entries of index (q), is avoing could at the discussion, your intermetively stall
3	Varilianiur Report
ta ta	Or an approximate with Weight well for successful to an explant antidations report with angular to exectly advantation of the particultures mished by sets of your applications and enter ensuring and the tensions. If any domain that or information turnished the particultures of the particulture of the set system to set that a superconduct and information turnished contracted on, includes a system will be habite to exact from the particulture growing weights and a set of the set system.
4,	Ohligatiana anat Reciperationalistation
đβv.	a. Scring year informaticp period. When exceeds you is an advantant control in any department / section (in which your are pleaded with high standard of inductive and all comply in under any department exclassions) for undergoing training. You what are defaulted with high standard of inductive and all comply in under an advisory to place are advisory to the weak on advisory to part of the section of the s
	Consequency, you are required to understand the series and proof taking these performs these performs and to comply with the same. These Patiens are updated incomply with the endoymetry area that could potentially results or real endors the endoymetry area that could potentially results or real endors the endoymetry with the endoymetry area that could potentially results or real endors the endowed area or the Patiens and the endowed the endowed to be endowed t
	During the training partial, if you concerns any resent advantact number of exercise processes / formulae / systems is relation to the Business or Trade of Virges, have Developed and you be fully on the processes / formulae / systems sete property of Virges, to consider agent of the opposition as, the initial work is fully one when the processes if any partial will be the full will be made available to you, part is 10 and and to an opposition as the Constant and the work for pages and know how present and Constant at Constant and Information as defined from the constant and the Constant assume the Wirps, an extent and constant at Constant and Information as defined from the subject and will be Constant assume Pages of Wirps, as extent and constant at an extent as an open and Constant and attempt conservation and an opping and the constant at a set of a state of open and the set of the state of the Constant and a state of the required attempt of the constant at a set of the set of the set of the set of the state of the the constant at the set of the required attempt of the constant at the set of the set
areast.	<sup>12</sup> Area configured investment on the last of the second second second second second and last and second se second second se
	THE FAX ADDIAR
	Distance of the second s



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Approved by the D.T.L., N.S. Nu

Ph : +918669638081/82 Fax : 091-7265-252346

A Upper provement of the label of the extension and approximately dependence of the extension of the exte		
<text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text>		
<text><text><text><section-header><text><section-header><text><text><text><text><text><text><text></text></text></text></text></text></text></text></section-header></text></section-header></text></text></text>		wipro
<text><text><text><section-header><text><section-header><text><text><text><text><text><text><text></text></text></text></text></text></text></text></section-header></text></section-header></text></text></text>		
<text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text>		· · · · ·
<text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text>		March 5, 2022
<text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text>		Dest Taus Nanuta,
<ul> <li>A name of a many and the inclusion properties of the prop</li></ul>		Buth: Letter of firstournent on Intern
<text><text><text><section-header><text><section-header><section-header><text><text></text></text></section-header></section-header></text></section-header></text></text></text>	0	War are parametrize inform was that you have force satisfact to undergoing tidemship in serving ancestice Wight Lemme (Wight) as intern under, the following terms and constructs
<text><text><section-header><text><section-header><section-header><text><text></text></text></section-header></section-header></text></section-header></text></text>		t. Nature of Empagnment
<text><section-header><text><section-header><section-header><text><text></text></text></section-header></section-header></text></section-header></text>		You will be employed as or following of Wilpon
<text><section-header><text><text><text><text><text></text></text></text></text></text></section-header></text>		2. Domain of Iraining
By the indicating the first of the sector by the first of the sector by the first of the sector base of the sector by the sector base of the sector by the sector base of the sector		Dest of The New York and the large statements the particular of strange of which it is not a strange of the
Intracting by your at your and include in the full manual your and include induced and include in the state in the stat		
<ul> <li>During your internet to preved. When excepts you for undergo theorem is completeness if section is when you are placed with high standard of entitlates and efficiency. You shall down with which we can any occur with a fight standard of plantaness (security is internet) for any dependent of plantaness (security is internet) for any occur with a fight standard of plantaness (security is internet) with the plantaness of the internet is and of blantanes (security is internet) of with the plantaness of the internet of the security is internet. The security is internet of the security is internet. The security is internet of your flammation of the security is internet of the secure of your flammatis in the secure of the security is internet</li></ul>		harmahed, by you in your application and internation gives on the any expension/centum, in such case, you will be fable to to When proves to fail takes or if you have withing mitmed and any expension/centum, in such case, you will be fable to
b) provide with high standard of influence restriction in the providence of the works on advances consolity or the presented description or statework for restriction in the takes or otherware index of business (second as an invested advances hold or) the presented description is a state in a consolit as a transient or description in the presented description is a state in a consolit as a transient or description in the presented description is a state in a consolit as a transient or description is a state in a consolit as a transient or description is a state in a consolit as a transient or description is a state in a consolit as a transient or description is a state in a consolit as a transient or description is a state in a consolit as a transient or description is a state in a consolitient of the state in the state in a consolitient of the state in the state in the state is a consolitient of the state in a consolitient of the state in the state is a consolitient of the state in the state is a consolitient of the state in the state is a consolitient of the state i		4. Obligations and Responsibilities
Consequently, you are excepted to receive and the serves we are disinferent to serve the term of the serve and to comply with the serve. These Policies are applicably much which a person mere and make these may be introduced and nother employees/transmit to show and an set of the serves are and the serve term of the serve of the Policies or the terms of incident that now interview to show and an set of the serve term of the serve of the Policies or the terms of socied that now interview to serve and the set of the serve of the serve of the serve of the serve of your employees, and the serve of the set of the serve of the serve of the serve of the serve of initiated.	-	placed with high standard of initiate material entrands (particine or inference) as work on advancey capacity or be tool shall not take as any occur with for remaining the (particine or inference) as work on advancey capacity or the interested directly or inference with our remaining the fit of the appointing advance or determine holding during the training period without obtaining permission in writer, free the appointing advance by Wijne from time to the in- the service rules of stansing orders, advance and regulations as may be promulgated by Wijne from time to the in- the service rules of stansing orders, advance and regulations as may be promulgated by Wijne from time to the in- relation to conduct, discipling and other relation. You will not even membership of any local or public bodies without Inter advance take of permassion and exploriting authority at Winek. You are expected to comply with the policies inter advance of Wijne index 2000. The permassion is appointed with the policies of Wijnes as they form an integral part of the of Wijnes index of the Code of Business Bottowel and latter a datase of Wijnes as they form an integral part of the
b. During the fraining to that if your connection and you in channel had all intervent processes (form due / system b. During the fraining to that if your connection and you are set of the fully or multipart to white and will be if and you are set of the fully of the set		Consequently, you are excepted to incremented the surge we shared builds these possibles and to emply with the surge. These Policies are updated, must which a press is mark and here is the surge to introduced and nothing to surgely reaching the time is being and the surgely and the must be must done by surgely indice or subscripts of incident that your time is being preschart, must be not surgely on the surgely of the Policies on the terms of incident that your interview preschart, which is not surgely as a surgely surgely and the policies on the terms of policies.
please married at the basis of the second se		b. During the fraining period. I are sensed as an intervention of all increasing processes (Corr.due / available in reactions to the during the fraining of the during the fraining of the during the fraining of the during the dur
March and a second and the second an	19 61	and a state with the state of t



## Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346

Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

Application Date: 18/09/2020 To. The Hon'ble Principal, Subject: Proposal for requesting financial sanction from college for fabrication of Campus Utility Electric Vehicle for Campus Utility Vehicle Champion event by Credible Future India Through: Dr. S. P. Trikal (HOD), Dept. of Mechanical Engineering. The students of Mechanical, Electrical and Electronics Engg, would like to do multidisciplinary project titled Resp. Sir, "Design and fabrication of Campus Utility Electric Vehicle" at our college workshop. The purpose of this project is to get the knowledge of electric vehicle designing and innovation in automobile sector and participation in national level competition "Campus Utility Vehicle Champion by Credible future India" which may be held in 2021. As per as the evaluation is concerned, initially the virtual round conducted by the authority of credible future India, then static and finally dynamic round. As it is multidisciplinary project, so involved the Mechanical, Electrical and Electronics and Tele. Engg. students for successfully completion of this project. As per the cost analysis, approximate cost may reached upto Rs. 2,50,000 (Including GST), we would like to

Rs.50,000, will try to collect from team and sponsorship.

automobile sector for gaining practical knowledge in specific area and get hands on experience during this project work, also participation in National Level Competition and apart from this competition, this CUV may be utilized for

Team of 30 students (of multidisciplinary branches) prepared of CUV project, including Captain and Viceceptain, by rigorously taking an online interview by Prof. M.B. Bhambere, Prof. K.R. Gandhare and Dr. N.H. Khandare. Students have paid the fees of Rs. 5100 (+ 18% GST) for Virtual Round from their side. Also conducting various online courses required for this project. We have also a professional mentor Mr. Mahajan Sir, Director, Get my Solution Pvt. Ltd., Pune.

The amount required in two consecutive months, first slot Rs. 100000 (one lac), when college will start regularly (i.e. when students will come at college after pandemic Covid 19) & Second slot of Rs, 100000 (one lac), in the next month. Students assure us about their efforts, dedication and consistency in their work, so please give a Submitted principal sir Submitted principal sir 10, Honble principal sir For consideration HOD (Healt) Dir Prof. M. B. Bhambere/Prof. K. R. Gandhare (Faculty Advisors, CUV project) chance to show their innovation and talent. Please sanction us Rs. 2,00,000 (Two Lac only) for this project. Hope

for the positive response.

Taanking you!

request as financial sanction from college, at least 80% of total cost i.e. Rs. 2,00,000 and remaining 20% i.e.

The outcome of this project is, students (approx. 30 no.) will get platform to work in the new era of

campus visit to guests and (if required) transportation of goods within campus.



ŵ

Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346 Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

## Tentative working plan:-

Day 1-Introduction

Day 2-3 - Demonstration - TOM, SOP's, Lean Manufacturing
Lathe machine 5S, 6 Sigma TPM. Welding machine Cutting machine Grinding machine Drilling machine
Day 4-6- practiceand training
read/ analyse design sheet
Day 6 -7 -start work on fixture with help of plywood & clamp cutting pipe for base frame
Day 8-12- complete base frame (platform)
Day 13-15-All Mounting and accessories.
Day 16-17- dissembly, chassis colouring.and finishing.
Day 18-22 - work on upper frame
working on steering system
woking on braking system
transmission system
Day 22-25 - working on electronic and wiring, headlightelectrical subsystem
Day26-27 - Overall Inspection,
Quality testing
Day 28 – 30 – Testing
Body fabricationand Interior

working toward complete EV.



## Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346 Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

## Proposal for sanctioning Rs. 2.0 lakh for Design and Manufacturing for Campus Utility Electric Vehicle

About CUV:	'Nothing can have value without being an object of utility'. CUV, a neoteric concept of
	electric vehicles, which brings the hard work of the students to its best utilization. In
	CUV, apart from showcasing the skills, we feel glad to provide a podium to the students
	where they can enjoy the success of their vehicle being utilized for a purpose, besides
	competing in an event. This event puts more emphasis on the durability of the vehicle. It
	will give the students an idea of designing and fabricating a vehicle which is strong and
	durable enough to perform under different conditions
Mission:	
	Our mission is to promote Green Energy; we as an young innovator are trying our leve
	best to foster our ideas and skills from engineering background. The purpose of
	backing these ideas and skilled hard work is to bring the ideas to value and figure out the optimum ways to utilize our college sources to its best.
Benefits and utility	From this providents and prior the large lades of electric vehicle designing and
of Project:	From this project, students can gain the knowledge of electric vehicle designing and new innovation in automobile sector. As industry 4.0 is arriving very fast and after
	this pandemic there will be more opportunities for students.
	ins pandenne inere and ce more opportantice ter stadents.
	Apart from competition, this utility vehicle can be used for various purpose
5.65	like campus visit to the guest, transportation of goods within campus.
Destated	
Registration:	<ul> <li>Virtual round -Team registration fees of a 5100 + 18 % GST per team.</li> </ul>
	Dynamic round-Team registration fees of a 20400 + 18 % GST per team
	To promote Female candidate participation an discount of = 500 per girl can be
	avail upto max
Cost Analysis :	□3000.
(An approximate	<ul> <li>2kw bldc motor ¤20000., DiffertialDriveTrain¤15000., Chassis material ¤30000</li> </ul>
cost of EV parts)	<ul> <li>Motorcontroller ¤15000, Suspension with knuckle Hub ¤25000., Braking ¤5000</li> </ul>
	Battery = 60000., Steering Assembly= 5000., Tires and wheels=25000
	•Other miscellaneous 50000 (including charger, lighting, wires connections, seat etc.)
	• Total E 250000/-



## Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346

Competition Overview:	It is a national level competition Organized by Credible Future India. The tentative dates of the competition would be in Feb or March. The competition was held at Chitkara University Punjal but this year they are planning to organise the event in Maharashtra. There were about 20-2 teams in last season. The competition has prices worth 4 lacs which includes 32+ awards
Future Plans:	As a we are manufacturing Electric Vehicle we can join International and National level Organization know as SMEV and FAME. • Society of Manufacturers of Electric Vehicles (SMEV) . SMEV also offer Honorary Membership to Institutions, Research Firms and NGOs, without any financial obligation. • FAME India Scheme. Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India (FAME India)
Images of some CUV	



Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346

Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON CAMPUS UTILITY VEHICLE CHAMPIONSHIP 2020 -21. **Final team List** 

Sumit Thakare (Captain) Mrunal Bajare (ViceCaptain)

## Department wise list

## 1. Design

Ruchi Joshi(Head)(3M) Siddharaj Patil(3M) Mrunal Bajare(3M) Yash Saiwal(2U) Darshan Chaure(2M)

## 2.Electronic and Transmission.

**Electronics:-**

Prathamesh Chaudhari(Head Electrical)(3S) Rohit Mankar(Head EXTC)(3U) Punam Makh(3S) Dhananjay Mhaisane(3S) Chinmay Patil(2S) Anant Gabhane(2U) Sumit Bhute(2U) Transmission:-Schil Sheikh (Head) (3M) Swapnil Dabhade(3M) Harish Deshmukh(3M)

Kruvel abudhare Prof.K.R.Gandhare **Faculty Advisor** 

3.Manufacturing Vishal Karad(Head)(3M) Sumit Thakare(3M) Bhushan Rothe(2M) Amit Bahekar(2S) Mitali Bele(2M) Shrushti Lade (2M)

## 4.Steering and Suspension.

Shubham Chaddi(Steering head) (3M) Krushna Khade(Suspension head) (3M) Ruchi Joshi(3M) Anas Khan. (3M) Akanksha Hurpade.(2M)

## 5.Braking

Sandesh Wankhede (Head)(3M) Sahil Gawande (3M) Shivam Mapari (3M) Rushikesh Burukale (3M)

## 6.Documentation

Ruchi Joshi (3M) Punam Makh(3S) Dnyaneswari Khade (2U) Aakanksha Hurpade(2M) Mitali Bele(2M) Shrushti Lade(2M)

stambor. Prof.M.B.Bhambere **Faculty Advisor** 

Dr. S.P.Trikal HOD



Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346 Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

## Campus Utility Electric Vehicle by Team X-treme (SAE Students Chapters)

Team X-Treme is a team of 30 enthusiastic Students from Mechanical, Electrical & Electronics Department which works on the manufacturing of Campus Utility Electric Vehicle.

Nothing can have value without being an object of utility. <u>GUV</u>, a negteric concept of electric vehicles, which brings the hard work of the student to its best utilization. It is not only the competition of the teams from different colleges /universities, but it is the competition of the whole college /university to fabricate the best vehicle that can run in their campus. In CUV, apart from showcasing the skills, we feel glad to provide a podium to the students where they can enjoy the success of their vehicle being utilized for a purpose, besides competing in an event. This event puts more emphasis on the durability of the vehicle. It will give the students an idea of designing and fabricating a vehicle which is strong and durable enough to perform under different conditions. CUV can face the different climatic factors and road conditions in different parts of our country and can have commercial value too.

#### Vehicle Specifications:

- Lithium Ion battery, capacity 48V, 100mAh
- Motor Specification: 48V, 2kW & 3000 rpm.
- Max speed 35 km/hr set as per ARAI norms for unregistered Vehicles
- Runs 70-80 Kms in single charge (4 hours charging)
- Load capacity 500 kg pay load +500 kerb weight
- High torque 2kW BLDC motor
- Integrated cooling systems for controller
- Reverse parking sensors
- Cost of Vehicle is approximately Rs. 3.0 Lakh

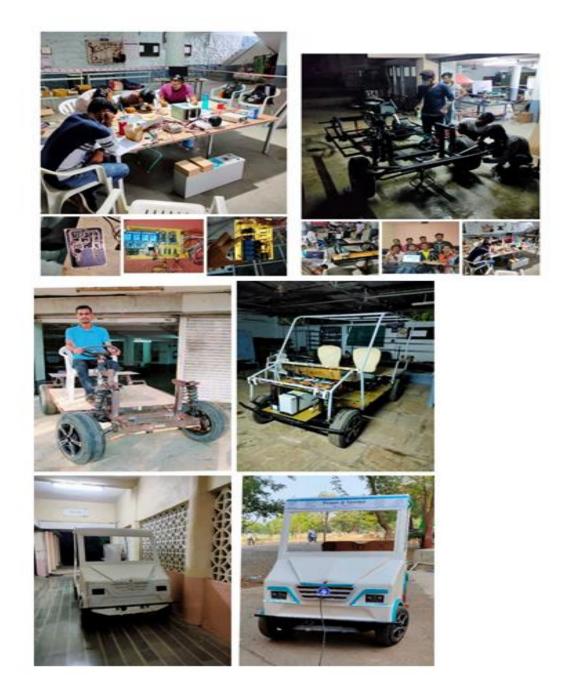




## Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA "Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346





"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346 Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

### Detailed Document of Team X-treme

What is Team X-treme.

Team X-Treme is a team of 29 enthusiastic Students from Mechanical, Electrical & Electronics Department which works on the manufacturing of Campus Utility Electric Vehicle.

- Max speed 35 km/hr set as per ARAI norms for unregistered Vehicles
- Runs 70-80 Kms in single charge
- Load capacity 500 kg pay load +500 kerb weight
- High torque 2kW BLDC motor
- Integrated cooling systems for controller
- Reverse parking sensors
- Formation of team, date, founder and core team etc.

Team X-treme was formed by Sumit Thakare under the guidance of Dr. S.P.Trikal sir, Prof. M.B.Bhambere and Prof. K.Gandhare. The core team consist of Sumit Thakare and Mrunal Bajare. Formation date of Team X-treme is 15<sup>th</sup> Aug, 2020.

- Our Mission Conceptualization, Design and manufacturing of efficient, environment friendly and economical utility electric vehicle.
- Our Vision Manufacturing of Electric Vehicle to serve Campus and other Utility purpose too, in very Economical way by promoting Green Energy
- Our Objective Students from diverse domain of Engg coming together and participation in the entire vehicle design and building exercise. Being a part of Team Xtreme, inculcates vital professional Skills and value addition which make the students industry ready
- Staring Procedure, Project Proposal, Project Approval, Fund Sanction etc.

We submit a report about the competition to our Head of the Mechanical Department. Because of the upcoming era of E-vehicle, they motivate us and support us for the manufacturing of this vehicle. College Management had sanctioned the amount of Rs.2,50,000 as per our requirements. We are grateful for this huge support.

About Project and Competition: -

Nothing can have value without being an object of utility". CUV, a neoteric concept of electric vehicles, which brings the hard work of the student to its best utilization. It is not only the competition of the teams from different colleges /universities, but it is the competition of the whole college /university to fabricate the best vehicle that can run in their campus. In CUV, apart from showcasing the skills, we feel glad to provide a podium to the students where they can enjoy the success of their vehicle being utilized for a purpose, besides competing in an event. This event puts more emphasis on the durability of the vehicle. It will give the students an idea of designing and fabricating a vehicle which is strong and durable enough to perform under different conditions. CUV can face the different



"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346 Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

climatic factors and road conditions in different parts of our country and can have commercial value too.

- CUV Organizer : Credible Future India Pvt. Ltd
- Core structure of team : Director : Shrikantdada Patil
   Principal : Dr.S.B. Somani
   HOD : Dr.S.P.Trikal
   Faculty Advisor : Prof.M.B.Bhambere
   Faculty Advisor : Prof.K.Gandhare
   Captain : Sumit Thakare
   ViceCaptain : Mrunal Bajare

# **Online Work**

Release google form in every official college group of 2M, 3M, 4M, 2S, 3S, 2U1, 3U1, 2U2, 3U2.

-

- 5 Aug. 2020 = Sort student from on the basis of resume particularly project work.
- 5 Aug. 2020= Introductory session for CUV championship 2020
- 8 Aug. 2020= Rulebook quiz
- 9 Aug. 2020= Interview of 2<sup>nd</sup> & 3<sup>rd</sup> Yr

2<sup>nd</sup> Yr interview by sumit & mrunal

3<sup>rd</sup> Yr interview by Prof Bhambere, Prof Khandare, Prof Gandhare

17 Aug. 2020= Team formation & introduction of team



"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346

- 19 Aug. 2020= Meeting conducted for the introduction of depts to team
- 23 Aug. 2020= Workshop on basis of designing & ANSYS
- 24 Aug. 2020= Dept wise list get displayed
- 2 Sept. 2020= Dept wise whatsapp grp created
- 10 Sept. 202= Interview taken for Vice captain by faculty Prof M. Bhambre
- 14 Sept. 2020= General meeting
- 25 Sept. 2020= CUV Workshop Meeting
- 27 Sept. to 3 Oct = Workshop Scheduled
- 3 Oct 27/09 = Introduction
  - 28/09= Transmission
  - 29/09= Steering
  - 30/09= Suspension
  - 1/10= Braking
  - 2/10= Designing
  - 3/10= Electronics
  - 4/10= Quiz
- 7 Oct. 2020= Quiz discussion meeting
- 8 Oct. 2020= Release feedback form
- 9 Oct. 2020= Link released for the selection of sub-dept of manufacturing
- 21 Oct. 2020= Meeting related to team name and logo (X-treme decided)
- 26 Oct. 2020= General meeting & sponsorship team selection



"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

1 Nov. 202= General meeting

3 Nov. 2020= Promote teams Facebook, Instagram page

8 Nov.2020= General meeting about irregular & good working members

2 Dec. 2020= Meeting to discuss about Name & Logo for Company (Innovative Firm)

20 Dec. 2020= General meeting, Appreciation letter by company & declared motivational

Cash award of Rs.1000

14 Jan. 2021= Meeting for Toycathon 2021 overview

5 Feb. 2021= Meeting for discussion about Team Registration for membership in CUV Championship 2021

11 Feb. 2021= Meeting for name & tagline for virtual live shopping project

14 Feb. 2021= Meeting for logo discussion

16 Feb. 201= Design Presentation at college by team members

25 Feb. 2021= Meeting for discussion on virtual pursuit workshop

8 April. 2021= 1<sup>st</sup> day of prepursuit workshop on "Introduction to Electric Vehicle". We got a huge no. of participants about 110+ from all over India.

9 April. 2021= 2<sup>nd</sup> day of persuit workshop

10 April. 2021= Last day of workshop & it was done successfully. Team X-Treme awarded by Trophy for most no. pf entries in workshop. Victory Day of Team

12 April' 2021= Meeting for discussion teams Achievement & sharing HOD sir's message & further planning

21 April. 2021= Meeting for pre launching of team's official planning

24 April. 2021= Meeting for discussion on teacher, students, parents meet. It was combine meet for (TSP) meet (The Mech Talks)

26 April. 2021= Meeting for the preparation of 'The Mech Talks session' for the speakers. It was dummy event of Team X-Treme & Team MESA both.

27 April. 2021= An online event "The MECH-TALKS 2021" for 1<sup>st</sup> Yr students of mechanical department.



"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346

Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

14 May. 2021=Meeting for discussion on new opportunity participate in logo design competition for SAE INDIA silver jubilee

24 June. 2021= Meeting for discussion on team got the permission of working on project in college workshop

25 June. 2021= Meeting with all Heads for final plan discussion

27 June. 2021= Meeting presenting are vehicle design to all team members.

29 June. 2021= Meeting for planning of manufacturing of EV. 30 day planning



Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA "Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346

# Team Structure Website- www.ssmce.ac.in

Sumit Thakare (Captain)

Mrunal Bajare (ViceCaptain)

## Design

Ruchi Joshi(Head)(4M) Mrunal Bajare(4M) Sahil Gawande (4M) Darshan Chaure(3M) Yash Saiwal(3U)

Electronics and Transmission.

### Electronics:-

Rohit Mankar(Head)(4U) Punam Makh(4S) Dhananjay Mhaisane(4S) Chinmay Patil(3S) Sumit Bhute(3U) Bhushan Hajare(3U) Tejas Bhoinwad(3S) Amit Bahekar(3S)

### Transmission:-

Sohil Sheikh (Head) (4M) Swapnil Dabhade(4M) Harish Deshmukh(4M)

### ✓ Manufacturing

Bhushan Rothe (Head)(3M) Sumit Thakare(4M) Ashwini Phate (4M) Amit Bahekar(3S) Pratik Hiralkar (3S)

### ✓ Steering and Suspension.

Shubham Chhadi (Steering head) (4M) Krushna Khade(Suspension head) (4M) Ruchi Joshi(4M)

Anas Khan (4M)

Aakanksha Hurpade (3M)

### ✓ Braking

Sandesh Wankhede (Head)(4M) Sahil Gawande (4M)

Shivam Mapari (4M)

Rushikesh Burukale (4M)

### Documentation

Punam Makh (Head)(4S) Dhnyaneswari Khade (3U) Aakanksha Hurpade (3M)



"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346 Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

#### > Details of Design and dimensions.

Ladder Frame Chassis - rectangular hollow pipe of 58\*32(in mm)

High torsional rigidity and machinability

Included 3 lateral members for reducing the twisting effect in ladder

Material - Mild Steel

Wheel Base – 6.07 ft

Track Width – 4.14 ft

Length – 9.32 ft

Kerb Weight – 470 kgs

Gross Weight – 800 kgs

Maximum Speed – 35km/hr

Estimated Range – 70 to 80 km

About Design and Material Selection and Components Used: -

Softwares we used.

CATIA, FUSION 360 and ANSYS

### **Design Team**

#### **Team Members:**

- Ruchi Joshi (Design Head)
- Mrunal Bajare
- Sahil Gawande
- Yash Saiwal
- Darshan Chaure



"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346 Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

#### Task accomplished:

Our design team journey starts on August 20. From the initial stages, we had considered all different standard design parameters one must follow while designing. We had taken the help of different research papers, standard books also our seniors. We follow all the design parameters which are mentioned in CUV rulebook. We had designed a ladder frame chassis as it is strong and durable. We consider rectangular hollow pipe 58\*32(in mm)as it has high torsional rigidity and machineability. We had added three lateral members as it reduces the twisting effect in the ladder. We had considered two materials i.e., Mild steel and AISI 1018 but after analysis, we have taken mild steel as our final material. Our total wheelbase and track width are 1850 and 1286 (in mm) resp. We had first design a hollow cubic structure for MacPherson strut assembly but later we had modified it to a hollow I -beam structure as it reduces weight. After final designing, our final dimensions of the chassis are 2846\*1372\*1790(in mm). We had designed our chassis in Fusion 360 and CATIA V5. Our design team comes to college in the month of February and makes the final design assembly. Later we have done the analysis part in Ansys 19.2. We have taken different testing like front impact, rear impact, and side impact. From that testing, we get 2mm deformation and FOS 2.3. We had faced different problems while manufacturing such as total weight, windshield distance but we successfully optimized total weight and redesign it to we windshield distance of 18 inch. We had added a bumper to optimize the frontal impact in the chassis.

### **Team X-treme Design parameters :**

#### **Dimensions:**

- Length: 9.32 Ft
- Track width: 4.14 Ft
- Wheelbase: 6.07 Ft
- Front overhang: 1.05 Ft
- Rear overhang: 2.2Ft
- Max speed requirement: 60km/hr
- Rolling resistance: 81.61 N (μr = 0.013)
- Weight of Ladder Frame: 41.919 Kg (Assuming total pipe requirement is 45Ft and material is mild steel with density 7.85 g/cm3 )
- Gross weight vehicle: 640kg 10: Tyre No: 155/ 80 R1



Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346 Email.principal@ssgmce.ac.in, register@ssgmce.ac.in Website- www.ssgmce.ac.in

#### MATERIAL USED: Mild Steel:



Density	7.85 g/cm3
Poisson's Ratio	0.275
Elastic Modulus (Mpa)	220
Tensile Strength (Mpa)	345
Yield Strength (Mpa)	370
Bulk Modulus (Gpa)	140
Specific Heat	486 J / (kg C)

### **Modified Design**





Fig: Previous Chassis Design

Fig: Modified Chassis Design



"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346





"Approved by the D.T.E., M.S. Mumbai"

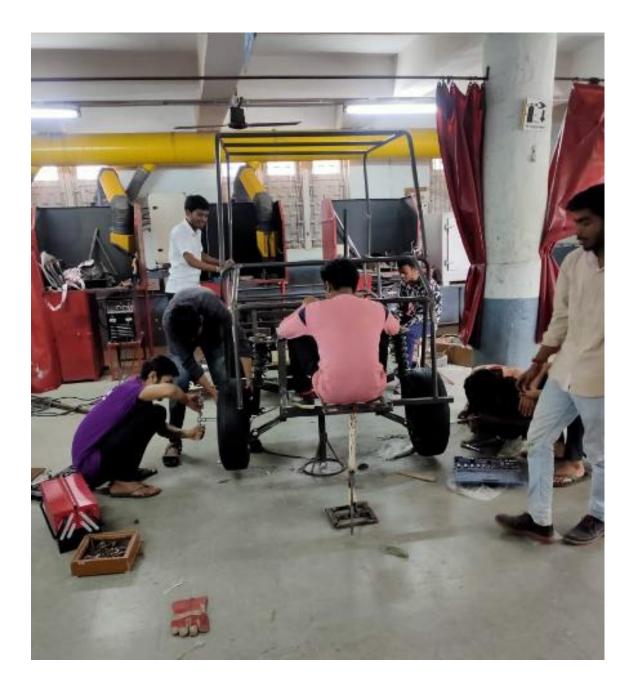
Ph : +918669638081/82 Fax: 091-7265-252346





"Approved by the D.T.E., M.S. Mumbai"

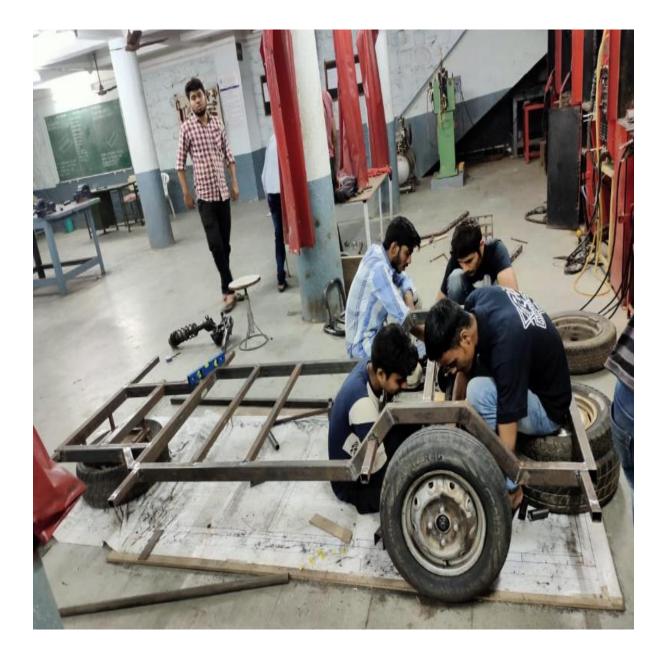
Ph : +918669638081/82 Fax: 091-7265-252346





"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346





"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346





"Approved by the D.T.E., M.S. Mumbai"

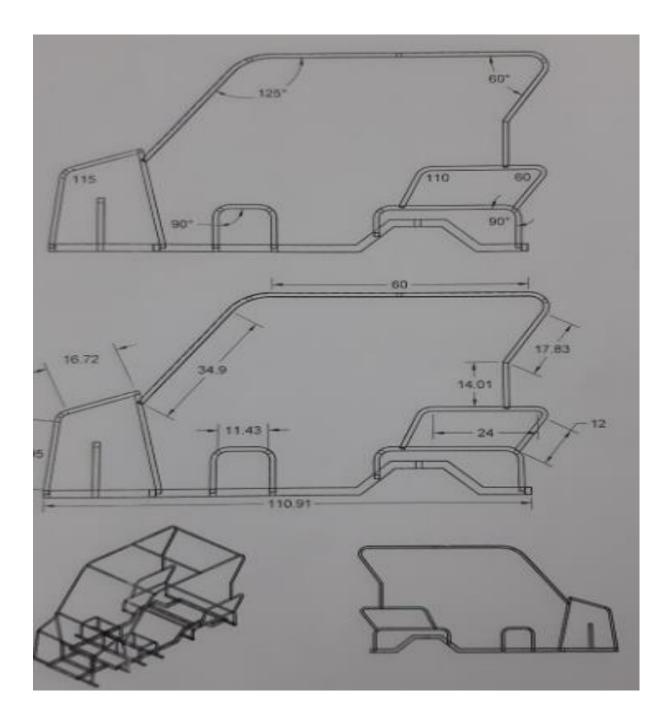
Ph : +918669638081/82 Fax: 091-7265-252346





"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346





"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346





"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

#### MECHANICAL ENGINEERING DEPARTMENT

Date: 01/09/2021

#### Notice

All the students of Final Year Mechanical Engineering are hereby informed that they have to submit seminar titles on following Google form till **10/09/2021** by concerning with your respective guide. Seminar title along with abstract should be approved from guide and not be repeated.

Delay submission will not be allowed for presentations.

Link for submission of titles:

https://forms.gle/rEw56MP9YToAEZGJA

2021 D

Prof. K. R. Gandhare Seminar In-charge

Dr. S. P. Trikal HOD, ME



"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

#### MECHANICAL ENGINEERING DEPARTMENT

#### Date: 18/09/2021

#### **Notice**

All the students of Final Year Mechanical Engineering are hereby informed that final presentations of seminar are schedule as follows, kindly prepare your presentations and get it approved from your respective guide.

Date	Time	Session	Roll No.	Remark
Monday	11-01 PM	Session 01	1-15	
24/09/2021	1.30-3.30 PM	Session 02	16-30	
24/09/2021	4.00-6.00 PM	Session 03	31-45	•

Date	Time	Session	Roll No.	Remark
т	11-01 PM	Session 01	46-60	
Tuesday	1.30-3.30 PM	Session 02	61-75	NARGARIA
25/09/2021	4.00-6.00 PM	Session 03	76-89	

Link for joining presentations:

https://teams.live.com/meet/9527402298206?p=4pvQHjleZa2ve2Xf

18/03/20

Prof. K. R. Gandhare Seminar In-charge

Dr. S. P. Trikal HOD, ME



"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346

.

Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

#### Fax: 091-7265-252346 MECHANICAL ENGINEERING DEPARTMENT

Date: 18/09/2021

#### Notice

All the students of Final Year Mechanical Engineering are hereby informed that following seminar titles are finalized for final seminar presentations going to be held on 25/09/2021, prepare your presentations by concerning with your respective guide.

Roll No.	Name of Student	Seminar Title
1	Deepak Nagar ·	Temperature Monitoring System
2	Krushna Vishnu Gaikwad	Flexible Electronics
3	Kunal Dhanraj Chavan	Bio-magnetism
4	Kunal Sudhakar Deshmukh	Harvesting robot
5	Kapil Hansraj Wawre	Battery thermal management system in EVs and HEVs
6	Makarand Dhananjay Pandao	Smog Tower
7	Pankaj B Meshram	Flywheel based fast charging station for Electric vehicle
8	Prasanna Sandeep Patil	Smart Street Light System using IOT
9	Pratik Sharad Zodpe	Pedal Operated Cloth Washing Machine
10	Sagar Dewendra Kapgate	Vehicle To Vehicle Communication
11	Sagar Rajendra Bhagwat	3 Axis Palletizer
12	Sarang Pravin Jadiye *	Convolutional Neural Network used in Automobile Industry
13	Aakash Harinarayan Nakhod	Design and development of automatic drip irrigation system for planting by using arduino
14	Abhinav Sanjayrao Dhale	Remote Control Forklift
15	Abhinav Sanjay Khode	Iron dome
16	Abhishek Gopal Dawale	Multipurpose wheelchair
17	Abhishek Vasudeo Bombatkar	Nitinol (A shape memory alloy of Nickel and Titanium)
18	Aditya Shamrao Wankhade	Metamaterials
19	Akash Ramesh Sonone	Smart Car Parking System Using IOT
20	Akash Rameshwar Raut	Haptics In Automotive Industry
21	Akash Vishnu Nikam	Adaptive cruise control
22	Amey Keshav Pote	Application of IOT. in Agriculture
23	Anas Aasif Khan	E textile
24	Ankur Sanjay Tikait	Perovskite solar cell
25	Ashwinkumar Rambhau Pote	Clean Disruption
26	Atharva Ravindra Wakodikar	Drones for healthcare
27	Ayush Anand Rajput	Smart Farming using IOT
28	Darshan Ravikumar Laddha	Infrared thermography
29	Dhanraj Shankar Burewar	Idle start stop technology
30	Dhawal Mayur Raja	Carbon fiber reinforced polymer
31	Dushyant Vishru Gonde	Power generation through gravity and kinetic energy
32	Harish Deepakrao Deshmukh	Shape memory alloy technology



SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA "Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346

Roll No.	Name of Student	Seminar Title
33	Harshad A Gawande	Evolution of Electric and Hybrid Aircraft
34	Jiyan Sudhakar Ambhore	A Prosthetic hand with self-adaptive fingers.
35	Kinshuk Mukesh Sugandhi	Metallic hydrogen
36	Krushna Mohan Khade	Smart Parking System
37	Vaishnavi A Bhatkar	Design of a Wheelchair Robot for Active Postural Support
		Hybrid Refrigeration
38	Ku. Anjali Suresh Bal.	Green Engine
39	Ku. Ashwini Subhash Phate	Wood Sponge
40	Ku. Bharati Dhairyshil Bhosale	Turbocharger
41	Ku. Sakshi Arun Kale	Grass cutter
42	Ku. Sampada Arvind Pachpor	Family sized portable biogas plant
43	Kunal Shamrao Kadu	Double Wishbone Suspension
44	Mayur Nilesh Mahajan	Smart Material
45	Mohammad Kamran Ozair	Ornithopter
46	Mrunal R Bajare	Flywheel based fast charging station for Electric vehicle
47	Pankaj J Wakode	Railgun-An electrically powered electromagnetic projectile launcher
10	Pankaj S Ingle Praddumna Rajendra Raut	Hydrogen fuel of future
49		AIRBAGS: A Safety Restraint System of an Automobile
50 51	Pragati S Tayde Prathamesh Dnyandeo Dange	Smart aquaponic system based on IOT
51	Prathamesh Brigen Nimbekar	Bharat Stage Iv To Vi-Challanges And Strategies
52	Pratik Anilrao Fasate .	Nonlinear Acoustic imaging technique for assessment of micro damages
54	Priti S Aswar	4D Printing: Materials, Technologies, and Future Applications in the Biomedical Field
55	Ritik D Barwad	Foldable House
56	Ritika D Dhenge	Advanced Driver Assistance System
57	Ruchi S Joshi	A Seam Tracking System Based on a Laser Vision Sensor
58	Rushikesh Sanjay Borakhade	Animal tracking & health monitoring system
59	Rushikesh Vasudeo Burukale	Self Charging Solar Surveillance Drone
60	Rutvik Vijay Dhage	Flying car technology
61	Sahil Chandrakant Gawande	Evolution of Electric and Hybrid Aircraft
62	Sandesh Vishnu Wankhade	Ion thruster
63	Sanjay Ravindra Patil	Aluminum-Air Battery
64	Amit Babarao Ghode	Design and optimization of a railway track structure
65	Apurva V Sarkate	Progress and future of biodiesel synthesis.
66	Roshan P Ladole	Microcontroller based drip irrigation system
67	Sahil Bhimrao Karpe .	Smart Charging Infrastructure for Electric Vehicles.
68	Sarang Vilas Bhure	Flexible Electronics
69	Sarvesh Rajendra Belokar	Gearless transmission
70	Saurabh Ravindra Uike	Vector Probing System in CNC Machines
71	Shivam Nandkishor Falke	Composite Materials for Innovations wind Turbine Blade
72	Shivam Vilas Mapari	Thermal Barrier Coating



"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346

Roll No.	Name of Student	- Seminar Title
73	Shubham Anil Bhanarkar	An extended range electric vehicle
74	Shubham Ashoksingh Chhadi	Nuclear weapons
75	Shubham Gajanan Tayade	Pedal Operated Cloth Washing Machine
76	Siddharaj Dinkarrao Patil	Vector Probing System in CNC Machines
77	Krushna Mohan Khade	Semi active Suspension System
78	Sohil Latif Shekh	Infrared thermography
79	Sonal V Jangale	Beamed energy propulsion
80	Sumit Rameshwar Thakre	autonomous vehicle
81	Swapnil Vilas Dabhade	Design and fabrication of motorized rice hulling machine.
82	Tanvi S Nanote	Smart irrigation using IOT
83	Tejas Pramod Sonar	Touchless Technology
84	Vaibhav Arun Kolhe	Non-Newtonian Fluid Speed Breaker
85	Vaibhav Vijay Deshmukh	Project Blue - Berkeley's Robot
86	Vedika S Dalvi	Enhancing the performance of automotive radiators using nanofluids
87	Vishal Sanjay Karhad	High entropy alloys
88	Vrushali J Mahalle	Metamaterials
89	Yàsh D Rewatkar	Comparison between Solar Cell and Infrared Plasticstic Solar Cell

8/09/2

Prof. K. R. Gandhare Seminar In-charge

Dr. S. P. Trikal HOD, ME



### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346

Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

			FINA	AL YEAR SE	MINAR-EV	VALUATION S	SHEET A.Y.	2021-22				
	Roll No.	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge	Quality of reference	Questio n & Answer	Report Writing	Total Marks
	56	Ritik Barwad	Foldable House	1.	1.			(5)	(5)	(10)	(10)	(50)
			•	٦	4	5.	5	4	5	9	9	45
	26	Atharva Wakodikar	Drones for healthcare	•					•			43
				5	4	5	4	4	5	9	ġ	45
	45	Kamran Ozir	Smart Material	5								
					5	ц	4	5	5	08	9	45
	1	Dipak Nagar	Temperature Monitoring System	3	3	2	4	4	5	9	2	39
•			Carbon fiber						-			
	30	Dhawal Raja	reinforced polymer	4	4	5	4	5	4	9	10	45
	11	Sagar Bhagwat	Temperature Monitoring System	4	4	5	5	4	5	9	9	45
	5-Excelle	ent 4-Very Good 3-Good 2-A	verage 0 & 1 - Poor									

Dr. S. P. Trikal Seminar Guide Name & Signature

Expert Name & Signature DC. J.G.Khan

HoD Dept. of Mechanical Engg



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax: 091-7265-252346

Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

		FINA			NEERING DEI		2021-22				
Rol No.		Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
78	Sohil Shekh	The alternative fuel: Hydrogen	4	4	5.	4	-2	ц.	9	9	44
32	Harish Deshmukh	Shape memory alloy technology	3	3	3	4	4	3	8	9	37
40	Bharati Bhosale	Wood Sponge	3	3	ze	_3	3	4	9	8	37
37	Vaishnavi Bhatkar	Self-Healing Material	4	4	4.	4	4	5	8	8	41
3	Kunal Chavan	Railway Air Conditioning	ц	4	ü	4	4	5	10	10	45
4	Shubham Bhanarkar	An extended range electric vehicle	5	5	4	4	4	4	8	8	ler

Dr. N. H. Khandare Seminar Guide Name & Signature

R Expert Name & Signature Peol, K.R. Gandhare

HoD Dept. of Mechanical Engg



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

						-					
Roll No.	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
69	Sarang Bhure	TOOL WEAR DETECTION USING "CONVOLUTIONAL NEURAL NETWORK"	L.	4.	5	ч	. 4	. <b>4</b>	9	10.	44
5	Kapil Wawre	Battery thermal management system in EVs and HEVs	4	4	4.	3	4	4	10	10	43
31	Dushyant Gonde	Power generation through gravity and kinetic energy	. 5	4	4	4	5	4	9	10	45
7	Pankaj Meshram	Flywheel based fast charging station for Electric vehicle	4	4	3	3	4	4	8	8	38
13	Akash Nakhod	Design and development of automatic drip irrigation system for planting by using arduino	3	3	3.	4	4	4	. 7	7	35
68	Sahil Karpe	Evolution of Electric and Hybrid Aircraft	4	4	4	4	4	3	(0	9	42

5-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

Dr. V. K. Thute Seminar Guide Name & Signature

Ohm

Expert Name & Signature Prof. K.D. Gadgil

HoD Dept. of Mechanical Engg



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82	Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in
Fax: 091-7265-252346	Website- www.ssgmce.ac.in

Roll No.	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
12	. Sarang Jadiye	Convolutional Neural Network used in Automobile Industry	ų	4	4	Ş	3	4.	9.	8	39
8	Prasanna Patil	Smart Street Light System using IOT	<i>ل</i> .	4	4	4	5	ч	8	8	41
15	Abhinav Khode	' Iron dome	4	4	3	Ч	4	4	9	9	42
76	Shubham Tayade	Vehicle Motion Converted Into Electric Power (Dynapower)	ų	4	4	5	4	4	9	10	44
,	Pratik Żodpe	Pedal Operated Cloth Washing Machine	4.	ч	5	4	• 4	4	9	9	142
	Shivam Falke	Aseptic Packaging	4	3	4	3	4	3	8	8	3:

5-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

Prof. P. T. Patokar Seminar Guide Name & Signature

Name & Signature Peol·K.V. Chandan

HoD Dept. of Mechanical Engg



### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82	Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in
Fax: 091-7265-252346	Website- www.ssgmce.ac.in

,			0			0					
Roll No.	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
81	· Swapnil Dabhade	A Prosthetic hand with self-adaptive fingers.	4	4	3	•4	4	ß.	8.	8.	38
48	Pankaj Ingle	Framing Artificial Intelligence (AI) in Additive Manufacturing (AM)	<i>ل</i> ر ·	4	. 3	4	• 4	5	10	10	. 44
55	Priti Aswar	4D Printing: Materials, Technologies, and Future Applications in the Biomedical Field	3	3	3	4	ц	4	7	7	35
49	Pradyumna Raut	HAPTICS IN AUTOMOTIVE INDUSTRY	4.	4	4	4	.5	4	10	9	44
66	Apoorva Sarkate	Progress and future of biodiesel synthesis.	4	4	3	3	4	4	8	9	39

5-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

Prof. K. D Gadgil Seminar Guide Name & Signature

Expert Name & Signature Peol, S.Q.Syech.

HoD Dept. of Mechanical Engg



### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82	Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in
Fax: 091-7265-252346	Website- www.ssgmce.ac.in

Roll No.	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
58	Ruchi Joshi	A Seam Tracking System Based on a. Laser Vision Sensor	4	4	3	5.	З	5	10'	10	42
79	Sonal Jangale	Composite Materials for Innovations wind Turbine Blade	५	5	4	5	• 4	. 4	9	10	45
80	Sumit Thakare	Smart Charging Infrastructure for Electric Vehicles.	4	4	ч	5	ц	3	10	10	44
77	Siddharaj Patil	Vector Probing System in CNC Machines	4	ч	ч	4	3	3	9	10	41
4	Abhinav Dhale	REMOTE CONTROL FORKLIFT	4	ч	3	4	.4	4	10	10	. 40
,	Yash Rewatkar	Comparison between Solar Cell and Infrared Plasticstic Solar Cell	4	ч	3	3	3	5-	9	8	3.9

S-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

Ref S. Q. Syed Seminar Guide Name & Signature

Expert Name & Signature Piol . M. G. Mole

HoD Dept. of Mechanical Engg



### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82	
Fax: 091-7265-252346	

Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

Roll No.	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
23	Anas Khan	E textile	4	4	5.	4	5-	4.	10	10	45
6	Makarand Pandao	Smog Tower	• 4	5	4	5	4	5	9	io	45
43	Kunal Kadu	Bio-magnetism	4	4	5	4	5	4	9	9	44
53	Pratik Fasate	Current Methods for Modeling and Simulating Icing Effects on Aircraft Performance, Stability and Control.	4	3	3.	2	3	3.	8	9	35
9	Ashwini Phate	Green Engine	4	3	3	2	3	3	8	8	24

Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

Price

Prof. R. V. Rajkolhe Seminar Guide Vame & Signature

Expert

Name & Signature De.V.K. Thute

HoD Dept. of Mechanical Engg



### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82	Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in
Fax: 091-7265-252346	Website- www.ssgmce.ac.in

Roll No.		Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
29	· Dhanraj Burewar	Idle start stop technology	5	પ	5	4	_5	4 ·	g.	9	45
27	Ayush Rajput	Smart Farming using IOT	3.	ß	4	5	.4	4	8	9	.40
28	Darshan Laddha	' Infrared thermography	4	5	4	5	ч	4	9	9	44
44	Mayur Mahajan	Double Wishbone Suspension	5	5	ч	5	4	5	8	_g	45
	Prathamesh * Nimbekar	Bharat Stage Iv To Vi-Challanges And Strategies	2	1	2	4	•3	2	5	8	127
0	Sagar Kapgate	Vehicle To Vehicle Communication	3	3	4	3	4	4	8	2	3

5-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

Prof. N. G. More Seminar Guide Name & Signature

Name & Signature P201. K.V. Chandan

HoD Dept. of Mechanical Engg



# Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82	Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in
Fax: 091-7265-252346	Website- www.ssgmce.ac.in

Roll No.	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
64	Sanjay Patil	Aluminium-Air Battery	ધ	. 4	. ۴	4	4	5.	9	10	64
25	Ashwin Pote	Clean Disruption	4	5	4	5	4	4	9	10	45
35	Kinshuk Sugandhi	Metallic hydrogen	5	4	5	4	4	3	9	2	43
2	Krushna Gaikwad	Flexible Electronics	3	• 3	4	3	4.	4	9	8	3.8

5-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

Prof. K. R. Gandhare Seminar Guide Name & Signature

Ador

Expert Name & Signature Plof. M.G.MORC

HoD. Dept. of Mechanical Engg



#### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Approved by the D.T.L., M.S. Mullibal

Fax: 091-7265-252346	Website- www.ssgmce.ac.in
Ph : +918669638081/82	Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in

Roll No.	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
• 34	Jivan Ambhore	Touchless Technology	• 4	4	3 .	3.	4	4	· 9	٩	40
70	Sarvesh Belokar	Gearless transmission	3	.3	2	3	З.	4	8	8	35
85	Vaibhav Deshmukh	Directed energy weapons	4	ц	2	3	3	4	9	8	37
47	Pankaj Wakode	Flywheel based fast charging station for Electric vehicle	4	4	3	2	4	3	8	9	37
88	Vrushali Mahalle	Nitinol ( shape memory alloys)	4	. 5	4	5	ч.	4	9	10	
50	Pragati Tayade	AIRBAGS: A Safety Restraint System of an Automobile	5	4	4	ч	5	4	10		5 4.

5-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

Prof. C. V. Patil Seminar Guide Name & Signature

Expert Name & Signature

DZ. J.G.Khan

HoD Dept. of Mechanical Engg



#### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

'n	:	+918669638081/82
ах	:	091-7265-252346

Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

Roll No.	Name of student	Seminar Topic	. Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
38	Anjali Bal	Hybrid Refrigeration	5	. 5	Ч	5	5.	પ	9	9	4.6
63	Sandesh Wankhade	Ion thruster	4	ч		4	4	3	8	8	38
41	Sakshi Kale	Turbocharger	3	3	4	З	4	4	न	10	40
61	Rutvik Dhage	Flying car technology	4	4	3	4	4	3	7	8	37
24	Ankur Tikait	Perovskite solar cell	لو .	4	4	4	4	4	10	10	44
16	Abhishek Dawale	Cloud Manufacturing	ц	5	ц	4	4	4	व	10	, 44

5-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

rumbere.

Prof. M. B. Bhambere Seminar Guide Name & Signature

Expert Name & Signature Pio, K.R. Gandhare

HoD Dept. of Mechanical Engg



#### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Fax: 091-7265-252346 Website- www.ssgmce.ac.in
Ph : +918669638081/82 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in

Roll No.	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (19)	Report Writing (10)	Total Marks (50)
36	Krushna Khade	Smart Parking System	4	4	3	. 3	. 4	4	3	9.	40
75	Shubham Chhadi	Nuclear weapons	4	4	2	3	3	4	9	8	37
4	Kunal Deshmukh	Harvesting robot	5	4	5	4	5	4	9	2	45
67	Roshan Ladole	Microcontroller based drip irrigation system	5	4	4	3	4	4	10	а	43
60	Rushikesh Burukale	Self Charging Solar Surveillance Drone	4	5	4	· 4	4	5	3	10	45
18	Aditya Wankhade	Ion thruster	3	3	4	4	5	5	9	10	42

5-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

Dr. J. G. Khan Seminar Guide Name & Signature

Expert Name & Signature Pior. R.V. Rajkothe

HoD Dept. of Mechanical Engg



#### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82	Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in	
Fax: 091-7265-252346	Website- www.ssgmce.ac.in	

Roll No.	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
73	Shivam Mapari	Thermal Barrier Coating	در	પ	4	4	ÿ	4	2	8	41
41	Sahil Gawande	Evolution of Electric and Hybrid Aircraft	દ્ય	5	3	4	. 4	3	ġ	9.	41
17	Abhishek Bombatkar	Nitinol (A shape memory alloy of Nickel and Titanium)	5	4	٤	5	ч	5	e	9	45
46	Mrunal Bajare	Ornithopter	4	4	ц	4	3	4	9	10	42
82	Tanvi Nanote	Buoyant airborne turbine	પ	4	3	4	3	4	9	2	40
20	Akash Raut	Magnetorheological Fluid	4	5	4	5	4	4	10	9	4

5-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

Prof. A. S. Bharule Seminar Guide Name & Signature

Expert Name & Signature Peo, C.V. Patil

HoD Dept. of Mechanical Engg



# Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

#### SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

oll	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
57	Ritika Dhenge	Advanced Driver Assistance System	4	5	4.	4	4	5	9	10	45
:4	Vaibhav Kolhe	Hydrogen car	3	3	4	3	4	4	9	8	38
2	Sampada Pachpor	Grass cutter	4	5	4	5	4	5	9	9	45
7	Vishal Karhad	Automotive body in white	3	3	5.	3	5	3	.8	10	41
1	Saurabh Uike	High entropy alloys	3	3	4	3	4	4	8	q	3

-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

Prof. K. V. Chandan Seminar Guide Name & Signature

Expert Name & Signature Pro V.K.R. Gandhare

HoD Dept. of Mechanical Engg



## Shri Gajanan Shikshan Sanstha's

## SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82	Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in
Fax: 091-7265-252346	Website- www.ssgmce.ac.in

Roll No.	Name of student	Seminar Topic	Topic Selection (5)	Content (5)	Literature Survey (5)	Presentat ion (5)	Subject Knowledge (5)	Quality of reference (5)	Questio n & Answer (10)	Report Writing (10)	Total Marks (50)
19	Akash Sonone	Design and optimization of a railway track structure	ц.	ų <sup>.</sup>	5	ч	.5	• 4	9	10	45
59	Rishikesh Borakhade	Animal tracking & health monitoring system	.5	4	4	3	. 5	4	. 9	9.	43
51	Prathmesh Dange	Smart aquaponic system based on IOT	ų	4	ц	ч	5	5	9	9	44
22	Amey Pote	Application of IOT. in Agriculture	4	4	3.	4	5	4	10	10	44
83	Tejas Sonar	Touchless Technology	3	4	3	3	4	4	9	9	39
21	Akash Nikam	Adaptive cruise control	4	4	4	4	5	. 4	P	9	4:

5-Excellent 4-Very Good 3-Good 2-Average 0 & 1 - Poor

rex

Prof. N. B. Borkar Seminar Guide Name & Signature

Expert Name & Signature D2. J.G. Khan

HoD Dept. of Mechanical Engg



## Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

LNo.	Name of Student	ear Seminar Marks	R.No.	Name of Student	Marks
1	Deepak Nagar	39	38	Ku. Anjali Suresh Bal	46
2	Krushna Vishnu Gaikwad	38	39	Ku, Ashwini Subhash Phate	34
3	Kunal Dhanraj Chavan	45	40	Ku. Bharati Dhairyshil Bhosale	37
4	Kunal Sudhakar Deshmukh	45	41	Ku, Sakshi Arun Kale	40
5	Kapil Hansraj Wawre	43	42	Ku. Sampada Arvind Pachpor	45
6	Makarand Dhananjay Pandao	45	43	Kunal Shamrao Kadu	44
7	Pankaj B Meshram	38	44	Mayur Nilesh Mahajan	45
8	Prasanna Sandeep Patil	41	45	Mohammad Kamran Ozair	45
9	Pratik Sharad Zodpe	43	46	Mrunal R Bajare	42
10	Sagar Dewendra Kapgate	38	47	Pankaj J Wakode	37
11	Sagar Rajendra Bhagwat	45	48	Pankaj S Ingle	44
12	Sarang Pravin Jadiye	39	49	Praddumna Rajendra Raut	44
13	Aakash Harinarayan Nakhod	35	. 50	Pragati S Tayde	45
14	Abhinav Sanjayrao Dhale	43	51	Prathamesh Dnyandeo Dange	44
15	Abhinav Sanjay Khode	42	52	Prathamesh Rajesh Nimbekar	27
16	Abhishek Gopal Dawale	44	53	Pratik Anilrao Fasate	35
17	Abhishek Vasudeo Bombatkar	45	54	Priti S Aswar	35
18	Aditya Shamrao Wankhade	43	55	Ritik D Barwad	45
19	Akash Ramesh Sonone	45	56	Ritika D Dhenge	45
20	Akash Rameshwar Raut	45	57	Ruchi S Joshi	42
21	Akash Vishnu Nikam	43	58	Rushikesh Sanjay Borakhade	43
22	Amey Keshav Pote	44	59	Rushikesh Vasudeo Burukale	45
23	Anas Aasif Khan	45	60	Rutvik Vijay Dhage	37
24	Ankur Sanjay Tikait	44	61	Sahil Chandrakant Gawande	41
25	Ashwinkumar Rambhau Pote	45	62	Sandesh Vishnu Wankhade	38
26	Atharva Ravindra Wakodikar	45	63	Sanjay Ravindra Patil	44
27	Ayush Anand Rajput	40	64	Amit Babarao Ghode	30
28	Darshan Ravikumar Laddha	44	65	Apurva V Sarkate	39
29	Dhanraj Shankar Burewar	45	66	Roshan P Ladole	43
30	Dhawal Mayur Raja	45	67	Sahil Bhimrao Karpe	42
31	Dushyant Vishnu Gonde	45	68	Kinshuk Mukesh Sugandhi	43
32	Harish Deepakrao Deshmukh	37	69	Sarang Vilas Bhure	44
33	Harshad A Gawande	13	70	Sarvesh Rajendra Belokar	35
34	Jivan Sudhakar Ambhore	40	71	Saurabh Ravindra Uike	35
35	Kinshuk Mukesh Sugandhi	43	72	Shivam Nandkishor Falke	37
36	Krushna Mohan Khade	40	73	Shivam Vilas Mapari	41
37	Vaishnavi A Bhatkar	41	74	Shubham Anil Bhanarkar	42



## Shri Gajanan Shikshan Sanstha's SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati "Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82 Fax : 091-7265-252346 Email.principal@ssgmce.ac.in,registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

R.No.	Name of Student	Marks
75	Shubham Ashoksingh Chhadi	37
76	Shubham Gajanan Tayade	44
77	Siddharaj Dinkarrao Patil	41
78	Sohil Latif Shekh	44
79	Sonal V Jangale	45
80	Sumit Rameshwar Thakre	44
81	Swapnil Vilas Dabhade	38
82	Tanvi S Nanote	40

R.No.	Name of Student	Marks
83	Tejas Pramod Sonar	39
84	Vaibhav Arun Kolhe	38
85	Vaibhav Vijay Deshmukh	37
86	Vedika S Dalvi	45
87	Vishal Sanjay Karhad	40
88	Vrushali J Mahalle	45
89	Yash D Rewatkar	39

Dr. S. P. Trikal HOD, ME

Prof. K. R. Gandhare Seminar In-charge

Q

Shri Gajanan Shikshan Sanstha's

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON - 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati

"Approved by the D.T.L., M.S. Mumbai"

Ph : **+918669638081/82** Fax: **091-7265-252346**  Email: principal@ssgmce.ac.in, registrar@ssgmce.ac.in Website- www.ssgmce.ac.in

## Department of Electronics & Telecommunication Engineering

Seminar Activity Index (2021-22)

S.N.	Document	
1	Seminar Notice	
2	List of Seminar	de la
3	Sample Certificates	
4	Sample Evaluation Sheets	the second s

Mr. K. T. Kahar Seminar Incharge



mm 181913 Dr. M. N. Tibdewal HOD, EXTC

Dr. R. S. Dhekekar / Prof. K. T. Kahar Project & Seminar Coordinators

Dr. M. N. Tibdewal

H.O.D.

requested to evaluate seminars as per the schedule below. Date (THU) 2021 Oct 2021 (SAT) 2021 (FRI) Oct 28 Oct 30 29 3.00PM -11.00AM-1.00PM -1.00PM 1.00PM 3.00PM 10.45AM-10.45AM 3.00PM -1.00PM 11.00AM-5.00PM 8.45AM-12.45PM 3.00PM 5.00PM Time PRG Guide Judge 1 ⊀ 13 14 Ν 25 22 21 26 100 AUNA CSC U Session ۲NB NBK NBK AND AND DPT< DPT AND S ANN MU MU PDK ISA KBK KBK 53 PRG 27 15 28 16 ω 43 42 4 Guide Session II KBK ۲۲ KBK KBK VYR DLB DLB ISA IS/ Judge ۲R VNB AAD VVR BPH VNB SPB DLB PRG 30 29 7 41 40  $\infty$ 44 110 39 Guide Judge Session III SBP ٧KB 3 ۲۶ SBP TPM SGN 5 55 SGN SGN PRW DPT DPT SPB AND DL₿ PRG Guide Judge 10 20 19 319 17 32 18 Session IV MNT BPH MNT BPH DDN DDN ž Ň PDK AΑ PRW ANT TH PRW KMT YKB VKB 11 PRG 12 37 34 38 ω Session V VMU Guide MU PDK PPK SPB SPB Judge DDN TPM DDN SGN DPT BPH PRG 23 24 38 36 σ ഗ PRW Guide Judge Session VI PRW KMT RSD KMT RSD AND AAD AAD ISA ISA 55

Department of Electronics and Telecommunication Engineering S.S.G.M.C.E. Shegaon

Seminar Notice

All faculty members are hereby informed that, Seminars of B.E. final year students are scheduled on 28, 29 & 30 Oct. 2021. You are

Date: 16<sup>th</sup> Oct. 2021

## SSGMCE, Shegaon Dept. of Electronics and Telecommunication Engineering BE Final year Seminar List (2021-22)

Code No	Seminar Title	Guide
1/21	Agricultural Robot- a pesticides spraying device	Mr. D. L. Bhombe
2/21	Taking Smart farming to next level: Agriculture 5.0	Mr. D. L. Bhombe
3/21	Machine Learning in Agriculture	Mr. D. L. Bhombe
4/21	IoT : " The New Begining"	Mr. V. M. Umale
5/21	Cloud Computing and its applications	Mr. V. M. Umale
6/21	ACCIDENT DETECTION AND REPORTING SYSTEM USING GPS, GPRS AND GSM TECHNOLOGY	Dr. K.B. Khanchandani
7/21	Brushless DC Hub Motor Current Status and Development	Dr. K.B. Khanchandani
8/21	Assessment of Battery and Charger	Dr. K.B. Khanchandani
9/21	Assessment of Electric Vehicle	Dr. K.B. Khanchandani
10/21	Iot Energy Meter(Cloud server data integration)	Dr. K.B. Khanchandani
11/21	Smart IOT energy meter (system architecture and hardware requirements)	Dr. K.B. Khanchandani
12/21	Smart IOT energy meter	Dr. K.B. Khanchandani
13/21	Wireless smart street light control system	Dr. R. S. Dhekekar
14/21	Wireless smart street light control system	Dr. R. S. Dhekekar
15/21	Fire extinguisher robot	Dr. R. S. Dhekekar
16/21	Ultrasonic sensor HC-SR04 and their interfacing with Arduino.	Dr. R. S. Dhekekar
17/21	Organic Light Emitting Diode (OLED)	Dr. R. S. Dhekekar
18/21	Organic Light Emitting Diode (OLED)	Dr. R. S. Dhekekar
19/21	UVC technology	Dr. R. S. Dhekekar
20/21	Advanced Driver Assistance System	Dr. R. S. Dhekekar
21/21	IoT on Cloud with Micro-Service Architecture.	Dr. R. S. Dhekekar
22/21	Importance of User Experience	Dr. R. S. Dhekekar
23/21	3D Internet : the future of internet	Dr. S B. Patil
24/21	Improvement and Enhancement in Emergency Medical Services using IOT	Dr. S B. Patil
25/21	Recognition of future Air Quality Index using Artificial Neural Network	Dr. S B. Patil
26/21	Silent Sound Technology	Dr. S B. Patil
27/21	IOT security using cryptography	Dr, S B, Patil
28/21	IOT Security Using Cryptography	Dr. S B. Patil
29/21	Securing System and Its Data using Continuous Encryption based System	Dr. S B. Patil
	Securing the System and its Data using Continuous Encryption based System	Dr. S B. Patil
<u>30/21</u> 31/21	Recognition and Interpretation of Crop Diseases and	Dr. M. N. Tibdewal

1.28-1.7	Performance Metrics for Methodologies Proposed	
	Feature Extraction of Crop Images and Feature	Dr. M. N. Tibdewal
32/21	Selection	
	Crop Disease Understanding and Image Data	Dr. M. N. Tibdewal
33/21	Recording	
	Classification Models for Crop Disease Images,	Dr. M. N. Tibdewal
34/21	Training and Testing of Image Dataset	Dr. M. N. Tibdewal
	Physics of X-ray Imaging and Understanding Ground	Dr. M. N. Hodewal
35/21	Truth Data for Pneumonia Disease and Non Disease	Dr. M. N. Tibdewal
	Physics of X-ray Imaging and Understanding Ground	DI. M. N. HOdewar
36/21	Truth Data for Pneumonia Disease and Non Disease	Dr. M. N. Tibdewal
7/04	Physics of X-ray Imaging and Understanding Ground Truth Data for Pneumonia Disease and Non Disease	DI. M. H. HOUCHAI
37/21	Interpretation and Recognition of Pneumonia Disease	Dr. M. N. Tibdewal
	Images and Performance Metrics of Methodology	DI, MI. IV. Hodewar
38/21	Adapted	an an index a sta
NILI	Data Augmentation and Feature Extraction of X-ray	Dr. M. N. Tibdewal
39/21	Images for Pneumonia Disease	
	Classification Models for Pneumonia Disease X-ray	Dr. M. N. Tibdewal
10/21	Images, Training and Testing of Image Dataset	
	Physics of X-ray Imaging and Understanding Ground	Dr. M. N. Tibdewal
1/21	Truth Data for Pneumonia Disease and Non Disease	
	Systematic Machine Learning Approach For	Mr. V. M. Umale
12/21	Detection of Hemoglobin level	
	Analysis Of Various Image Feature Extraction	Mr. V. M. Umale
43/21	Methods Against Noisy Image SIFT, SUR And HOG	
	Analysis of Various Image Feature Extraction Method	Mr. V. M. Umale
14/21	Against Noisy Image :SIFT,SURF And HOG	
15/21	Action Recognition Technique System Using SVM	Mr. V. M. Umale
	Current Research opportunities of image processing	Mr. V. M. Umale
6/21	and computer vision	Mr. V. M. Umale
17/21	Electrocardiography	Mr. V. M. Umale
8/21	Electrocardiography	Mr. V. M. Umale
	IOT Based Remote Health Monitoring System With	
19/21	Electrocardiograph. IOT Based Remote Health Monitoring System with	Mr. V. M. Umale
		wit, v, wit Officie
50/21	Electrocardiograph	Mr. V. M. Umale
51/21	Blood pressure monitoring Pulse Rate Health Monitoring Sensor	Mr. V. M. Umale
52/21	Pulse Rate Health Wolntoning Sensor	Mr. V. M. Umale
53/21	Blood pressure monitering Technological Trend : Mobile Cloud Computing an	Mr. V. N. Bhonge
	Efficient Technique for Mobile Users	
54/21	Technological Trend : Mobile Cloud Computing an	Mr. V. N. Bhonge
	Efficient Technique for Mobile Users	
55/21	Generation to Generation Technology "Revolution in	Mr. V. N. Bhonge
	Telecommunication"	
56/21 57/21	Advanced Machine learning	Mr. V. N. Bhonge
7104	LAUAUCCU Machine leaning	Mr. V. N. Bhonge

59/21	Artificial Intelligence in Medical Diagnostic System	Mr. V. N. Phonge
60/21	Artificial Intelligence in Medical Diagnostic System	Mr. V. N. Bhonge
00/21	Advanced Image Presses for Defenses I	Mr. V. N. Bhonge
61/21	Advanced Image Processing for Defense and Security Application	Mr. V. N. Bhonge
01721		
62/21	Advanced Image Processing for Defense and Security Application	Mr. V. N. Bhonge
63/21		
64/21	Embedded Systems in Automobiles	Mr. D. L. Bhombe
65/21	Indian Regional Navigation Satellite System Smartvehicle	Mr. D. L. Bhombe
66/21		Mr. D. L. Bhombe
67/21	Sensor based Landslide Early Warning System Smart Blind Stick	Mr. D. L. Bhombe
68/21		Dr. D. D. Nawgaje
00/21	Ultrasonic Range Radar System Using Arduino	Dr. D. D. Nawgaje
69/21	FINGER READER: A WEARABLE DEVICE FOR THE VISUALLY IMPAIRED	Dr. D. D. Nawgaje
ooret	Distance measurement in Life	
70/21	Distance measurement using Ultrasonic and infrared sensors	Dr. D. D. Nawgaje
71/21		
72/21	DHT11 Temperature and Humidity Sensor GSM ARCHITECTURE	Dr. D. D. Nawgaje
73/21	GSM ARCHITECTURE	Dr. D. D. Nawgaje
74/21	Node MCU ESP8266	Dr. D. D. Nawgaje
75/21	Optimization of air traffic voing and in the	Dr. D. D. Nawgaje
76/21	Optimization of air traffic using genetic algorithm Real- Time Object Detection Using YOLO	Ms. B. P. Harane
77/21	Optimization of Air traffic using genetic algorithm	Ms. B. P. Harane
78/21	Technologies used in Wireless Power Transfer	Ms. B. P. Harane
	Wireless Power Transmission by Electromagnetic	Ms. B. P. Harane
79/21	Waves	Ms. B. P. Harane
80/21	Technologies used in Wireless Power Transfer	MDDW
	Future Scope of Wireless Power Sharing in various	Ms. B. P. Harane
81/21	fields	Ms. B. P. Harane
82/21	Use of Rectennas in Wireless Power Transmission	Mc D D Han
83/21	Biometric Voting system	Ms. B. P. Harane Dr. D. P. Tulaskar
84/21	Smart irrigation system with IOT	Dr. D. P. Tulaskar Dr. D. P. Tulaskar
	Implementing Wireless Mesh Network Topology	Dr. D. P. Tulaskar
85/21	between three Wi-Fi Powered Node-MCU	DI. D. I. Tulaskar
	Microstrip Patch Antenna for energy harvesting and	Dr. D. P. Tulaskar
86/21	charging low power devices.	Di. D. T. Tulaskar
87/21	PIFA Antenna for Mobile Communication	Dr. D. P. Tulaskar
	Sensors in Warehouse Management System and its	Dr. D. P. Tulaskar
88/21	applications	
89/21	Power management in IoT device	Dr. P. R. Wankhede
90/21	Biosensor	Dr. P. R. Wankhede
91/21	Smart Health Node	Dr. P. R. Wankhede
92/21	Amazon Web Services and Internet of Things	Dr. P. R. Wankhede
93/21	Solid State Relay	Dr. P. R. Wankhede
94/21	Touch Sensors	Dr. P. R. Wankhede
95/21	Introduction to Project-Smart Switch Board	Dr. P. R. Wankhede
96/21	Amazon Web Services Cloud	Dr. P. R. Wankhede
97/21		

	Salf abarga Samuillian as dasa	
09/24	Self charge Servilliance drone Green IOT	Mr. A. N. Dolas
98/21		Mr. A. N. Dolas
99/21	Secure IoT via Blockchain	Mr. A. N. Dolas
400/04	IOT BASED SMART GREEN INTELLIGENCE	Mr. A. N. Dolas
100/21	CAMPUS	
101/21	IOT Based smart Green and Intelligence campus	Mr. A. N. Dolas
102/21	Controlling Robot using Graphics And IOT	Mr. A. N. Dolas
103/21	Face detection And Text Recognition using Raspberry Pi	Mr. A. N. Dolas
104/21	Face Detection And Text Recognition Using Raspberry Pi	Mr. A. N. Dolas
105/21	Vehicular Ad-Hoc Network	Mr. A. N. Dolas
106/21	Vehicular ad-hoc network	Mr. A. N. Dolas
	Overview and Analysis of Method Used In	
107/21	Interfacing of High-speed Vehicle Detection System	Dr. V. V. Ratnaparkhi
108/21	Automatic Number Plate Recognition	Dr. V. V. Potnonoului
109/21	Speed Detection of Moving Vehicle Using OpenCV	Dr. V. V. Ratnaparkhi
110/21	Use of OpenCv in automatic number plate recognition	Dr. V. V. Ratnaparkhi
	Overview and Analysis of Methods Used in	Dr. V. V. Ratnaparkhi
111/21	Interfacing of RFID with NodeMCU	Dr. V. V. Ratnaparkhi
112/21	Review and Analysis of Authentication Techniques	Dr. V. V. Rotnanarlahi
113/21	Smart Trolley with Automated Billing Using IOT.	Dr. V. V. Ratnaparkhi
114/21	Role of IOT in next generation shopping mall	Dr. V. V. Ratnaparkhi Dr. V. V. Ratnaparkhi
	Communication Between Smart Jacket & Android	Mr. V. K. Bhangdiya
115/21	App	ivii. V. K. Bilangulya
116/21	Smart Jacket Power Management System	Mr. V. K. Bhangdiya
117/21	Software side of Smart Jacket	Mr. V. K. Bhangdiya
118/21	Machine Learning	Mr. V. K. Bhangdiya
119/21	Convolutional neural network	Mr. V. K. Bhangdiya
120/21	Artificial Intelligence	Mr. V. K. Bhangdiya
121/21	Artificial Intelligence	Mr. V. K. Bhangdiya
122/21	Artificial Intelligence	Mr. V. K. Bhangdiya
123/21	Text detection and Extraction from Image	Mr. V. K. Bhangdiya
124/21	Text Detection and Extraction from Image	Mr. V. K. Bhangdiya
125/21	Cloud Computing For Internet Of things	Mr. K. T. Kahar
126/21	Virtual Reality - In Real Life	Mr. K. T. Kahar
127/21	Google Driverless Car	Mr. K. T. Kahar
128/21	The IOT Based Exercise Cycle	Mr. K. T. Kahar
129/21	Google chrome os	Mr. K. T. Kahar
130/21	Google chrome os	Mr. K. T. Kahar
131/21	Self Powered Automatic Railway Gate Controller.	Mr. K. T. Kahar
132/21	Triboelectric nanogenerator	Mr. K. T. Kahar
133/21	Electric Vehicles	Mr. K. T. Kahar
134/21	Medical image fusion using FPGA	Mr. P. D. Kale
135/21	Telemedicine Systems	Mr. P. D. Kale
	Patient health monitoring system using iot with	Mr. P. D. Kale
136/21	machine learning	

137/21	IOT-Based Data Logger for Weather Monitoring	Ms. K. S. Vyas
	IOT based Electrical Device Surveillance and	Ms. K. S. Vyas
138/21	Control System	ina, R. G. Vyas
	Remote Healthcare Monitoring System with Home	Ms. K. S. Vyas
139/21	Automation	ivis. K. S. Vyas
	Door security system for home monitoring based on	Mar V S Marin
140/21	ESP32	Ms. K. S. Vyas
	Systematic Survey on Smart Home Safety and	
141/21	Security Systems Using the Arduino Platform	Ms. K. S. Vyas
	Design and Implementation of a fingerprint based	
142/21	door lock	Ms. K. S. Vyas
143/21	Design and Implementation of a fingerprint based door lock system	Ms. K. S. Vyas
144/21		والمحكمة والمحمو والمحمول والمحمولة وال
(44/21	Triple Lock Security System Using Arduino	Ms. K. S. Vyas
145/21	Application Development and System Interfacing for	Mr. Swapnil P. Badar
145121	Waste Management System	
140104	Basic Building Block of Smart Waste Management	Mr. Swapnil P. Badar
146/21	System for Railway Coaches	
4.4710.4	Basic Building Block of smart waste management	Mr. Swapnil P. Badar
147/21	system for railway coaches.	
	Literature Review of Smart Waste Management	Mr. Swapnil P. Badar
148/21	System for Railway Coaches	r
	Smart Waste Management System For Railway	Mr. Swapnil P. Badar
149/21	Coaches	
	Operational Transconductance Amplifier Design for	Mr. Swapnil P. Badar
150/21	CCCDTA.	
	Current-Mode Current-Controlled Current	Mr. Swapnil P. Badar
4	Differencing Transconductance (CCCDTA) For	and Swaphin I. Dadai
151/21	Analog Signal Processing Applications	
	current mode current controlled current differencing	Mr. Swapnil P. Badar
	transconductance amplifier for analog signal	ini. Swapili F. Badar
152/21	processing	
	Current mode current differencing transconductance	Mr. Swannil D. Dada
153/21	amplifier	Mr. Swapnil P. Badar
100/21	Current mode current differencing transconductance	Mr. Summil D. D. I
154/21	amplifier	Mr. Swapnil P. Badar
134/21		
	Second Convertion Current Controlled Conveyor	M.C. IDDI
155/04	Second Generation Current Controlled Conveyor	Mr. Swapnil P. Badar
155/21	(CCC-II)	
	(CCC-II) Second Generation Current Controlled Conveyor	Mr. Swapnil P. Badar Mr. Swapnil P. Badar
	(CCC-II) Second Generation Current Controlled Conveyor (CCC-II)	Mr. Swapnil P. Badar
156/21	(CCC-II) Second Generation Current Controlled Conveyor (CCC-II) Second Generation Current Controlled Conveyor	
156/21	(CCC-II) Second Generation Current Controlled Conveyor (CCC-II) Second Generation Current Controlled Conveyor (CCC-II)	Mr. Swapnil P. Badar Mr. Swapnil P. Badar
156/21	(CCC-II) Second Generation Current Controlled Conveyor (CCC-II) Second Generation Current Controlled Conveyor	Mr. Swapnil P. Badar
156/21 157/21	(CCC-II) Second Generation Current Controlled Conveyor (CCC-II) Second Generation Current Controlled Conveyor (CCC-II) Security and Privacy in Smart Farming: Challenges and Opportunities	Mr. Swapnil P. Badar Mr. Swapnil P. Badar Mr. T. P. Marode
156/21 157/21 158/21	(CCC-II) Second Generation Current Controlled Conveyor (CCC-II) Second Generation Current Controlled Conveyor (CCC-II) Security and Privacy in Smart Farming: Challenges and Opportunities	Mr. Swapnil P. Badar Mr. Swapnil P. Badar
156/21 157/21 158/21 159/21	(CCC-II) Second Generation Current Controlled Conveyor (CCC-II) Second Generation Current Controlled Conveyor (CCC-II) Security and Privacy in Smart Farming: Challenges and Opportunities Blockchain Technology Beyond Bitcoin	Mr. Swapnil P. Badar Mr. Swapnil P. Badar Mr. T. P. Marode
155/21 156/21 157/21 158/21 159/21 160/21 161/21	(CCC-II) Second Generation Current Controlled Conveyor (CCC-II) Second Generation Current Controlled Conveyor (CCC-II) Security and Privacy in Smart Farming: Challenges and Opportunities	Mr. Swapnil P. Badar Mr. Swapnil P. Badar Mr. T. P. Marode Mr. T. P. Marode

163/21	Application for IOT	
164/21	Applications of a 1	Ms. Lopamudra Samal
165/21	Applications of nodemcu esp8266 in IOT Soil Moisture Sensor	Ms. Lopamudra Samal
166/21	Role of HML in Contraction	Ms. Lopamudra Samal
167/21	Role of HMI in Controlling Robot	Ms. Lopamudra Samal
168/21	Role of HMI in Controlling Robot 3 D Mapping Robot	Ms. Lopamudra Samal
169/21	3D Mapping Robot	Ms. Lopamudra Samal
170/21	3D Mapping Robot	Ms. Lopamudra Samal
171/21	Floor Cleaning Robot for Domestic Applications.	Ms. Lopamudra Samal
172/21	Automated guided vehicle (AGV)	Ms. Lopamudra Samal
	Blockchain technology	Mr. Vikram S Ingole
173/21	Android App Development	Mr. Vikram S Ingole
174/21	Cloud Computing	Mr. Vikram S Ingole
175/21	Artificial intelligence in business	Mr. Vikram S Ingole
176/21	Robotics and RPA	Mr. Vikram S Ingole
	Intelligent Wireless Video Monitoring System Using	Mr. Vikram S Ingole
177/21	Computer	- C
178/21	Amaon Just Walk Out Technology	Mr. Vikram S Ingole
179/21	Face Recognition Based Locker System	Mr. Vikram S Ingole
180/21	Smart Note Taker	Mr. Shon G. Nemane
181/21	Voice control home appliances	Mr. Shon G. Nemane
182/21	Smart mirror using raspberry pi	Mr. Shon G. Nemane
		,
		×
	×	
N		



Department of Electronics & Telecommunication Engineering. Shri Sant Gajanan Maharaj College of Engineering, Shegaon – 444203, Maharashtra, India

# Certificate

The seminar report entitled "Agricultural Robot-A pesticides spraying device" is hereby approved as a creditable study carried out and presented by Mr. Yash D. Khandare in a manner satisfactory to warrant its acceptance as a pre-requisite in a partial fulfillment of the requirements for degree of Bachelor of Engineering in Electronics & Telecommunication Engineering of Sant Gadge Baba Amravati University, Amravati.

3hombe Pro Guide

Dr. M.N.Tibdewal Head, E & TC Dept.

, OS. N. Internal Examiner



Department of Electronics & Telecommunication Engineering Shri Sant Gajanan Maharaj College of Engineering, Shegaon – 444203, Maharashtra, India

## Certificate

The seminar report entitled "Taking smart farming to next level: Agriculture -5.0" is hereby approved as a creditable study carried out and presented by **Mr**. **Adhiraj V. Sapkal** in a manner satisfactory to warrant its acceptance as a prerequisite in a partial fulfillment of the requirements for degree of **Bachelor of Engineering** in **Electronics & Telecommunication Engineering** of Sant Gadge Baba Amravati University, Amravati.

BHOMBE Mr. D.L. Guide

Dr. M.N TIBDEWAL Head, E & TC Dept.

Internal Examiner



Department of Electronics & Telecommunication Engineering Shri Sant Gajanan Maharaj College of Engineering, Shegaon – 444203, Maharashtra, India

# Certificate

The seminar report entitled "IOT the new beginning" is here by approved as a creditable study carried out and presented by Mr. Nimmish P. Hatwar in a manner satisfactory to warrant its acceptance as a pre-requisite in a partial fulfillment of the requirements for degree of Bachelor of Engineering in Electronics & Telecommunication Engineering of Sant Gadge Baba Amravati University, Amravati.

Prof. V.M.Umale

Guide

porme 2 11.5.22 Dr. M.N. Tibdewal Head, E & TC Dept.

Internal Examiner

Prof. A. N. Dolas Sir

SSGMCE, Shegaon

ii

SSGMCE, Shegaon Department of Electronics & Telecommunication Engineering

			Da	te: 28/10/21	Eval	luation	Sheet	4	·	
F			-**	03/33/21 Time: 1PM	to bo		Project G	roup No.:	11	
	Sr. No	No.	Class	Name of Student		Presentati	Knowledge	Writing	(10	Total (42 Marks)
	1	05	401	Assurini A sample		10	14	07	09	40
-	2	10	1,1-	Gauei & Zambre		09	14	07	. 68	38
(	3	20		Projakta J Sample	an Parana ( ) ( ) an	09	14	07	03	39
	4	25		Rujura M. Sakhabe	میں ایک ایک ایک دی اور ایک داری	10	13	07	03	39
	5				and a management of the second se	10			· · ·	

Final Year Seminar Evaluation Sheet

Note: Please submit the evaluation sheet to Seminar In-charge after Evaluation

Umale (Name & Sign of Judge/Guide)

(Seminar In-Charge)

3.

SSGMCE, Shegaon Department of Electronics & Telecommunication Engineering

\_\_\_\_\_

## **Final Year Seminar Evaluation Sheet**

			Da	$\frac{30/10/21}{11/21}$	Time: 10.45AM	to 12:45 PM	Project G	roup No.:	12	
1	Sr.	Roll	Class	Name o	of Student	1	Depth of	Report	Q&A	Total
	No	No.			s	on (10 Marks)	Knowledge (15 Marks)	Writing (07 Marks)	(10 Marks)	(42 Marks)
*	1	40	412	Akash J. Pa	imeshibas	89	13	07	08	37
	2	60	-11-	Pratike S. N	encontraction and account and a contract of the state of the	09	14	07	09	39
肇	3	75	-1,-	Sudhanshu M	n. Pawar	09	13	07	09	38
	4	79	-11-	Varun M. D	ibanuka	09	14	07	08	38
	5									

Note: Please submit the evaluation sheet to Seminar In-charge after Evaluation

(Name & Sign of Judge/Guide)

(Seminar In-Charge)

SSGMCE, Shegaon Department of Electronics & Telecommunication Engineering

			Final Year Seminar	Evaluation	Sheet		10	~
		D	ate: 03 12 207 Time: 4 m	to bim	Project G		Q&A	Total
Sr. No	Roll No.	Class	Name of Student	Presentati on (10 Marks)	Depth of Knowledge (15 Marks)	Writing (07 Marks)	(10	(42 Marks) 38
1	03	401	Aishwarys Patil	09	14	00	01	36
2	06 45	41	Ashmini Belerker Noishigis Bangar	08	13	06	09	36
4			U					
5					arge after E	valuation		

Note: Please submit the evaluation sheet to Seminar In-charge after Evaluation

(Name & Sign of Judge/Guide)

(Seminar In-Charge)

3.0

SSGMCE, Shegaon Department of Electronics & Telecommunication Engineering

			Final Year Seminar Eva	aluation	Sheet				
		D	Final real Schning 200 rate: $04 12 1027$ Time: $9-Aff$ to	<u>11 AM</u>	Project G	roup No.	: 0		
Sr. No	Roll No.		Name of Student	Presentati on (10 Marks)	Knowledge	1	Q & A (10 Marks)	(42 Marks)	28)
. 1	47	-411	Adhisaj Sapkal Protik Bhusari	07	135	07	09	36	Dr
2	75 89	41	Yash Rigndare	09	14	06	08	37	. 6
4 5			the state of the s	minar In cl	harge after F	valuation			

Note: Please submit the evaluation sheet to Seminar In-charge after Evaluation

(Name & Sign of Judge/Guide) (D LBhoule)

(Seminar In-Charge)

S.Y.

### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON Department of Information Technology Session: 2021-22

## SEMINAR TOPICS

Date: 04/10/2021

RN	NAME	ТОРІС
1	Aarati Wadhe	Data compression using Neural network
2	Devshri Pohare	Plagarism Detection of Multithread Program via Siamese Technology
3	Dhanshri Therokar	How resource utilization influences UI responsiveness of Android software
4	Disha Wadhe	Impact Of Sentiment Analysis In Fake Online Review Detection With Probalistic Sentiment Score
5	Gauri Panpaliya	Effects of the Disastrous Pandemic COVID 19 on Learning Styles, Activities and Mental Health of Young Indian Students - A Machine Learning Approach
6	Gita Fase	3D Object Recognition and Pose Estimation Based on RGB-D Images
7	Ishita Koradia	GAIT analysis: Trend and developments
8	Kalyani Bonde	IR Touch Screen Technology
9	Mamata Rajput	Aided Reading System of Digital Library Based on Text Image Features and Edge Computing
10	Manisha Ubarhande	Library Intelligent Book Recommendation System Using Facial Expression Recognition
11	Manjiree Kolte	Recognition and prevention of cyber harrassment in social media using classification algoritm
12	Muskan Bhagat	React, Vue and Angular Frameworks for the Front-end Developmemnt of E-Business Applications
13	Neha Lokhande	Development of Hybrid Application using code-one-deploy- anywhere model to provide optimal solution for development.
14	Nikita Ingle	Hybrid Cryptography for Securing Data Storage in Cloud using combination of AES and Proxy re-encryption with Honey encryption.
15	Prachi Joshi	sign language recognition by using python and opency
16	Pranjali Pande	Face expression and synthesis using deep learning
17	Ku. PRITI VYAS	Data privacy preservation using perturbation technique
18	Priyal Sonar	Android Based Real Time Chats using Firebase
19	Punam Deokate	Automated Vehicle Parking Slot Detection System Using Deep Learning
20	Radhika Jadhav	Jitsi
21	Rakshanda Kare	Parking system with image processing
22	Ruchi Kumari	Quick Response Code Validation and Phishing Detection Tool
23	Rutuja Dhanorkar	predictive analysis of resourse usage data in academic libraries using the VADER sentiment algorithm
24	Rutuja Jangamwar	A Sentiment Analysis Method of Short Texts in Microblog
25	Sanjivani Warthe	Anomaly object detection in urban management survillance video based on deep learning
26	Sayali Patil	Smart Attendance Management System Based on Face Recognition Using Deep Learning Approach
27	Shivani Nirmal	Coping factics of blind and visually impaired users Responding to helpseeking situations
28	Shruti Lahoti	Heart disease prediction using Logistics Regression , KNN and Decision tree.
29	Shweta Narwade	Sentiment analysis using partial textual entailment

### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON Department of Information Technology Session: 2021-22

## SEMINAR TOPICS

Date: 04/10/2021

RN	NAME	TOPIC
30	Srushti Deshpande	Hybrid Machine learning technique for prediction of heart disease
31	Vaishnavi Kanherkar	Voice Assistant Technology
32	Vandita Joshi	Mental health difficulties in students with suspected COVID 19 symptoms
33	Vedika Gawande	Aspect level sentiment analysis on E-Commerce data
34	Akhil Jamatkar	Detecting Android Malicious Applications With Ensemble of String and Structural Static Features
35	Akshay Agrawal	Matrix Home Server
36	Aman Surkar	Evaluation of Deepfake Detection Methods using Deep Learning Techniques
37	Anand Wankhade	Deepfake detection via MobileNet and Xception
38	Ashwin Bagade	Techniques and Methods for Prevention of SQL Injection Attack
39	Ayush Naphade	AWS LAMBDA - An AWS API Gateway
40	Ayush Batra	Emerging technologies in UI/UX design: Voice UI
41	Hritik Kahalkar	Model Transformation From Object Relational Database to NoSQL Document Database
42	Kapil Patil	Bin-Sort algorithm from binary data
43	Karan Gadodia	Multimodal student attendance management system.
44	Kartik Chauhan	Lexicon Visualization Library for Scientific Data Visualization
45	Kaustubh Agrawal	Efficient and Secure File Tranfer in Cloud through Double Encryption
46	Khushal Ingole	Noise Recognition and removal method based on intermediate parameters of image processing
47	Kiran Kolte	Processing of Scanned Documents through AWS Textract
48	Kshitij Khillare	Hand Gesture Recognition and Implementation for Disables using CNN'S
49	Kunal Nemade	Decoding deepfakes using Extreme Inception and Resnet-V2
50	Lakshit Jangid	Heart Disease Prediction Using Random Forest Algorithm and Backward Elimination Method
51	Mohit Bohra	Object Detection Using YOLO(You Only Look Once)
52	Monish Sathe	Idea of the four core of Agile Software Development to ease the software development
53	Nishant Chaturkar	Smart Vision Safety Control for Computer Users using Advanced Image Processing
54	Nitesh Mankar	Concepts of SQL Injection Prevention Methods
55	Om Masne	Recent progress in semantic image segmentation.
56	Om Sonone	Node.js event driven model and architecture
57	Prajwal Vijaykar	Heart disease prediction using support vector machine and Logistic regression
58	Prajyot Burbure	Integrated Development Environment as Cloud service(IDEaas).
59		
60		
61	Pratik Bondre	Progressive Web Application using React JS
62		

### SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON Department of Information Technology Session: 2021-22

#### SEMINAR TOPICS

Date: 04/10/2021

RN	NAME	TOPIC
63	Rahul Lanjewar	A Novel Method for LiDAR Camera Calibration by Plane Fitting
64	Ritik Hujwant	Study of Cloud Storage & Implementation of Holographic Data Storage
65		
66	Rohit Salampuriya	Improving security of web based application using ModSecurity and Reverse Proxy in web application firewall
67	Rohitraj Deshmukh	Study and Mitigation of Origin Stripping Vulnerabilities in Hybrid- postMessage Enabled Mobile Application
68	Rushikesh Ambuskar	Impact of SQL Injection in Database Security
69	Rutik Gawande	Fake product review monitoring and removal using natural language processing
70	Sahil Annaldewar	A secure coding approach for sql injection prevention
71	Sanket Tikar	IDE Interaction Support With Command Recommender System
72	Shreyash Wadaskar	A Novel approach of GUI Mapping with image based widget detection and classification
73	Shreyash Mohod	CodeHelper: A Web-Based Lightweight IDE for E-Mentoring in Online Programming Courses
74	Shrutam Dhone	MQTT Protocol For Machine to Machine Communication
75	Siddhant Gupta	Detecting and Understanding JavaScript Global Identifier Conflicts on the Web
76	Suyash Chilwarwar	Multi-Parametric Predictive Analysis for Healthcare
77	Vaibhav Kotecha	Contactless attendance system using Siamese neural network based face recognition
78	Vaibhav Chandekar	Alternative Servant and WoT Implementation
79	Vikas Damre	SEO Web Crawling Algorithm
80	Vikrant Ughade	Vectorization Report in Data Science using Python Libraries
81	Vishal Kothalkar	An Infrastructure Framework for managing City Services Data using Big Data Cloud Computing
82	Vivek Bhore	Extractive Text Summarization using Sentence Scoring and Ranking
83	Vrushabh Guntiwar	Toxic comment detection using LSTM

#### **NOTE:** 1. All students should check their finalized seminar topics.

- 2. Start preparing the seminar report as per the provided format.
- 3. Report must be of at least 40 pages.
- 4. Get it verified and approved by your project guide.
- 5. Submit the approved report towards your guide on or before 15/10/2021.

Sd/-Faizan I Khandwani Seminar Coordinator

Sd/-Prof. A. S. Manekar HOD