CRITERION – 2
Teaching- Learning and Evaluation

KEY INDICATOR – 2.3
Teaching- Learning Process

METRIC NO. – 2.3.1

Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Self-Study Report Cycle - III

Date : 04-03-2024

Declaration

This is to declare that the information, reports, true copies and numerical data etc, furnished in this file as supporting documents is verified by IQAC and found correct.

Hence this certificate.

Dr. A. U. Jawadekar
IQAC Coordinator

Dr. S. B. Somani
PRINCIPAL
Shri Sant Gajanan Maharaj
College of Engineering, Shegaon.

Shri Gajanan Shikshan Sanstha's

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2.3.1: **Student centric methods, such as experiential learning, participative learning and Problem solving methodologies**

Index

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1	Student Centric Learning Policy	Click Here
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5	ICT Tools used by Teacher	Click Here

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STUDENT-CENTRIC LEARNING

Student-centric learning allows for flexibility and personalization, enabling students to choose their learning paths and explore topics that align with their interests and goals. At SSGMCE, Student-Centric Learning encompasses a wide range of teaching methods and techniques designed to prioritize the individual needs and abilities of students.

This approach encompasses a variety of learning methods, including hands-on, experiential learning, participative learning, engagement in project-based activities, both individually and in groups, and the integration of technology to enrich and facilitate the learning process. The primary objective is to nurture critical thinking skills and a genuine passion for learning while creating an inclusive and supportive environment that fosters student success. Additionally, the institution offers opportunities for students to collaborate closely with faculty members, participate in research projects, and engage in real-world problem-solving, all of which contribute to the development of a student-centric learning environment.

In this student-centric approach, the learning experience is tailored to meet each student's unique requirements. In such an environment, teachers serve as facilitators; guiding students through their learning journey and helping them develop critical thinking skills, rather than merely transmitting knowledge. The ultimate goal of student-centric learning is to cultivate independent, self-directed learners who are motivated, engaged, and capable of taking ownership of their own education. This approach prioritizes student choice, allowing for a more flexible and personalized learning experience.

Student Centric Learning at SSGMCE includes:

Experiential learning:

Experiential learning is an educational approach that emphasizes learning through direct, hands-on experiences and reflection on those experiences. It is a highly effective method of learning that goes beyond traditional classroom instruction and textbooks. Instead, experiential learning engages students in real-life situations, encouraging them to actively participate, make decisions, and learn from the outcomes of their actions.

Experiential learning activities include:

Hands on learning

Hands-on learning experiences and activities allow students to apply theoretical knowledge to real-world situations. This could include laboratory experiments, workshops, or simulations that help students gain practical skills and insights relevant to their field of study.

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Internships

Internships are structured work experiences that students undertake with organizations or companies related to their academic discipline. During internships, students have the opportunity to work on real projects, gain industry experience, and develop professional skills under the guidance of experienced professionals.

Field Industry Visits

Field industry visits involve taking students on tours to various industries or businesses related to their field of study. These visits provide students with first-hand exposure to industry processes, practices, and operations, helping them connect classroom learning with real-world applications.

Industry Integration Initiatives

Industry Integration Initiatives includes partnerships between educational institutions and industries or businesses. These programs often involve joint projects, research initiatives, or curriculum development efforts that bridge the gap between academia and industry, ensuring that students are well-prepared for the demands of the job market

Skills Enhancement Hub

The Skills Enhancement Hub, situated within Shri Sant Gajanan Maharaj College of Engineering, is a specialized department dedicated to empowering students by enhancing their skills and competencies, aligning them with the demands of the modern job market. This multifaceted hub provides an array of workshops, training sessions, and resources aimed at fostering skill development.

Within SSGMCE, the Skills Enhancement Hub comprises the following specialized centres

Solar Research Centre: This cutting-edge facility is equipped with a range of advanced tools and equipment's. These include a Heat Seal Machine, which ensures secure sealing of components in solar applications, a Sun Simulator that replicates solar conditions for accurate testing and analysis of solar panels, and a Curing Oven crucial for the longevity and durability of solar panels. Additionally, the Centre features a Laminator for encapsulating and protecting solar cells, a Solar Cell Test Apparatus for precise performance measurement, and a Diode Pump Laser Scrambling Machine for specialized solar research processes.

VLSI and Embedded System Design Centre equipped with world-renowned Cadence VLSI Design EDA tools, Agilent's ADS RF Design tools, Xilinx EDA Tools, FPGA, and CPLD Boards, this centre empowers students to excel in digital, analogue, and mixed-signal VLSI design. It serves as a launch pad for future innovators in the field.

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SAP ERP Centre boasts a dedicated SAP ERP Laboratory staffed by experts proficient in FICO, MM, SD, ABAP, and BASIS. Students receive comprehensive training in SAP systems, preparing them for careers in enterprise resource planning.

Electric Vehicle Lab equipped with Trainer Kits for BLDC Drive, Simulators, Battery Management Systems, and a Solar-based Charging Station, this lab immerses students in the emerging field of electric vehicles and sustainable transportation.

FAB Lab: Students can explore their creativity and innovation in the Fab Lab, which features state-of-the-art digital fabrication tools like 3D printers, laser cutters, CNC routers, electronics workbenches, PCB milling machines, and vinyl cutters. This space empowers students to bring their ideas to life using cutting-edge technology.

PLC Automation Lab: This lab provides practical experience in Programmable Logic Controllers (PLC), an essential component of industrial automation. Students learn to design, program, and troubleshoot PLC systems, preparing them for careers in manufacturing and process control.

Dr. Georg H Endress Laboratory: This facility is equipped with advanced instruments for Pressure Measurement, Temperature Measurement, Flow Rate Measurement, and Level Measurement. Students gain valuable experience in precision instrumentation and measurement techniques.

Project Expos

Project exhibitions are events where students can showcase their projects, innovations, or research to a wider audience, including industry professionals and potential employers. These events provide students with networking opportunities and a platform to demonstrate their capabilities.

Students Chapters/ Clubs

Student Chapters are dedicated units within the institution that focus on specific areas of interest or academic disciplines. These groups often organize events, workshops, seminars, and activities related to their respective fields, allowing students to deepen their knowledge and skills in a supportive community.

Participative Learning

Participative learning, also referred to as active learning, is an educational approach in which students actively engage in the learning process through a variety of activities and interactions. Our institute, wholeheartedly embrace participative learning as a fundamental element to enhance students' educational experiences. It includes

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Collaborative Group learning

Group learning activities at SSGMCE are designed to foster collaboration, problem-solving skills, and effective communication among students. These activities encourage students to work together to tackle engineering challenges and enhance their understanding of complex concepts. This includes following initiatives.

Group Projects: Institute assign group projects that require students to work together to design, build, or solve engineering problems. These projects simulate real-world scenarios and help students develop teamwork and project management skills.

Design Competitions :Participating in design competitions, either within the college or at external events, encourages students to collaborate and innovate. These competitions often involve designing and building prototypes or solutions for specific engineering challenges.

Laboratory Experiments: Many courses incorporate group-based laboratory experiments. Students work together to conduct experiments, collect data, and analyse results, reinforcing their understanding of theoretical concepts.

Clubs and Societies :Students clubs or societies related to specific fields, which provides an opportunity for group projects, workshops, and networking.

Hackathons: Hackathons are intense, time-limited events where students work in teams to develop innovative software or hardware solutions. They promote creativity, problem-solving, and quick thinking.

Interdisciplinary Projects: Institute encourage collaboration between students from different engineering disciplines, promoting a holistic approach to problem-solving.

Guest Lectures/ Workshops

Guest lectures and webinars featuring industry experts and corporate professionals provide students with an enriching participative learning experience

Seminars:

Seminars and paper presentations conducted by students serve as powerful tools to foster a participative learning experience for both the presenters and the audience. When students take on the role of seminar presenters, they assume the responsibility of comprehensively understanding and explaining the topic. This sense of ownership motivates them to conduct thorough research and meticulous preparation, resulting in a deeper level of understanding of the subject matter.

Paper Publication:

Student research publications serve as dynamic and participatory learning opportunities, offering numerous advantages. This process sharpens their communication abilities, helping

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them express ideas clearly, structure arguments logically, and use appropriate academic language effectively. At SSGMCE, the publication of a paper in a conference or journal is a mandatory requirement for final-year students, emphasizing the institution's commitment to fostering research and academic development.

Self-Learning

At SSGMCE, students adopt self-directed learning by actively engaging in a diverse range of MOOCs offered by prominent platforms such as SWAYAM, NPTEL, Coursera, Udemy, and others. These courses enable them to acquire valuable knowledge and skills across various disciplines, broadening their horizons and nurturing a culture of ongoing self-improvement

Problem-Solving Methodology

The problem-solving methodology is a foundational approach to learning in our institute, providing students with the skills and mindset required to effectively tackle intricate engineering challenges. This approach encompasses various components, including:

Project-Based Learning (PBL)

PBL is an innovative and transformative educational approach that places students at the centre of their learning experience. In PBL, students engage in hands-on projects designed to address real-world problems or challenges. They often work in teams, simulating real-world engineering environments where collaboration and teamwork are essential. This promotes effective communication and the development of interpersonal skills. PBL equips them with practical skills, nurtures critical thinking, fosters innovation, and prepares them to address complex engineering challenges in their future careers.

Aptitude Training

Aptitude training enhances students' cognitive abilities, mathematical skills, and logical reasoning competencies invaluable in engineering problem-solving. At SSGMCE, aptitude training courses are provided to students to enhance their skills.

Innovation and Incubation Centre (IIC) Activities

IIC activities promote innovation, creativity, and entrepreneurial thinking. These initiatives empower students to apply their problem-solving skills in real-world situations and potentially launch their own projects or ventures.

Dr. S. B. Somani
Principal

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College of Engineering, Shegaon.

END OF POINT

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2.3.1: Student centric methods, such as experiential learning, participative learning and Problem solving methodologies

The institute is committed to enriching the learning experience through innovative approaches. It provides a platform for students to cultivate skills, knowledge, attitudes, and values. Departments offer creative programs that encourage problem-solving and stimulate creativity. Faculty members employ student-centric methods to facilitate interactive learning.

Student Centric Learning at SSGMCE includes experiential learning, participative learning and Problem solving methodologies

Student-Centric Learning Activities Overview

Learning Type	Activities Conducted
Experiential learning	Laboratory Sessions
	Workshops
	Internships
	Industry Visits
	Industry Integration Initiatives
	Skill Development Initiatives
	Project Expos
	Student Chapter Activities
Participative Learning	Group Projects
	Design Competition
	Students Club
	Project Hackathon
	Quiz
	Seminars
	Student Publications
	Self-Learning
Problem Solving Methodology	Project Based Learning
	Aptitude Training
	Innovation Activities
	Poster Competition

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Experiential Learning

Experiential learning offers a range of advantages, contributing to a more effective and holistic educational experience. Here are some key experiential learning techniques followed at SSGMCE.

Hands on learning

Laboratory Sessions: Lab sessions provide a hands-on learning experience, allowing students to directly interact with concepts and materials. This practical engagement enhances understanding and retention.

Students of third year performing experiment in Electrical Machines Lab

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Students of second year performing experiment in Network Lab

Students of first year performing experiment in Basic Electrical Engineering Lab

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Students working in the Mechanical Workshop Lab

Students performing experiment in Energy Conservation Lab

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Students of Mechanical Engineering performing practical in CNC Lab

Students of third year Computer Engineering in OOP Lab

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Students of Second year Electronics Engineering performing experiment in Analog and Digital IC Laboratory

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The department of Electrical Engineering has furnished students with video lecture links for the academic session 2020-21, aiming to enhance their comprehension of practical concepts.

Recorded video lectures for various subjects

Sr. No	Name of Faculty	Subject/ Activity	Link
1	R S Kankale	HVE-Measurement of High voltages- Part-1	https://www.youtube.com/watch?v=Y1lrnkExNCk
2	R S Kankale	HVE-Measurement of High voltages- Part-2	https://www.youtube.com/watch?v=sUbvPsB82WU
3	R S Kankale	HVE-Measurement of High voltages- Part-3	https://www.youtube.com/watch?v=MhFsoi9WnmM
4	R S Kankale	HVE- Generation of Impulse voltage	https://www.youtube.com/watch?v=ZabqtcaMJUc
5	R S Kankale	HVE-Generation of high AC voltage	https://www.youtube.com/watch?v=j-0vFtRZ3gg
6	R S Kankale	HVE-Generation of high DC voltage	https://www.youtube.com/watch?v=CEBtTcSRGqU
7	R S Kankale	BEE-Basics of Single phase Transformer	https://www.youtube.com/watch?v=O2GpEhgskOc
8	R S Kankale	BEE-Thevenin's Theorem	https://www.youtube.com/watch?v=TjRncxIhf3U
9	G N Bonde	CS- Block diagram	https://www.youtube.com/watch?v=pawsi225W9Q
10	G N Bonde	CS- Synchro as an error detector and ACDC tacho-generator	https://www.youtube.com/watch?v=HxlpZzNFTis

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11	G N Bonde	CS-Root Locus method	https://www.youtube.com/watch?v=MQvu0QlpQNQ
12	G N Bonde	CS-Field control DC servomotor	https://www.youtube.com/watch?v=tuEw_BkMgcE
13	G N Bonde	CS-DC Motor angular position control (Expt)	https://www.youtube.com/watch?v=0rcqdffBQY4
14	B S Rakhonde	BEE-Magnetic circuit	https://www.youtube.com/watch?v=0Ek08oPcjfs
15	V S Karale	DC motor	https://www.youtube.com/watch?v=CZthKZvsdPo
16	P R Bharambe	SGP- Introductory lecture	https://www.youtube.com/watch?v=Aj8bqvL8a_g
17	P R Bharambe	SGP-Power System Protection	https://www.youtube.com/watch?v=ODHeHfOzS9c
18	P R Bharambe	CAEMD- Output eqation of IM	https://www.youtube.com/watch?v=eP6sV0TWR8k
19	P R Bharambe	CAEMD- Electric & Magnetic Loading	https://www.youtube.com/watch?v=pLm8PYOUB4I
20	P R Bharambe	CAEMD-Separation of D & L (Main dimensions)	https://www.youtube.com/watch?v=_9pzOzjo2N8
21	P R Bharambe	EM-I Construction of transformer	https://www.youtube.com/watch?v=SyC8fABzpJQ
22	P R Bharambe	EM-II Construction of three phase Induction Motor	https://www.youtube.com/watch?v=lcf4UaYyA9s&t=100s
23	Dr. S. R. Paraskar	EEDU Four quadrant operation of Electric Drive	https://www.youtube.com/watch?v=1ZokqQerJ4U

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Workshops:

Workshops serve as dynamic educational settings that go beyond conventional learning approaches, offering participants immersive, hands-on experiences. Meticulously crafted, these sessions actively involve learners in practical activities, cultivating a profound grasp of concepts and skills.

The Electrical Engineering Department organized a workshop focused on the Introduction to MATLAB, Simulink, and Programming. Prof. Ganesh Bonde and Prof. Pratik Dhabe served as the resource persons for this informative session.

Students participated in a workshop on Introduction to MATLAB Simulink, and Programming

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Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Department of Electrical Engineering

The Institution of Engineers (India)
Department of Electrical Engineering Students' Chapter
Academic Year 2021-22

EVENT REPORT

Six-Day Workshop **"Introduction to MATLAB Simulink & Programming"**

Shri Sant Gajanan Maharaj
College of Engineering
SHEGAON, MAHARASHTRA, INDIA

The Institution of Engineers (India)
Department of Electrical Engineering Students'
Chapter
Organizes Six-Day Workshop on
Introduction to MATLAB Simulink & Programming

Date : 10-15 Feb 2022
Time : 11:00 AM to 05:30 PM
Venue : PLC Lab, ELPO Dept.
Target Group : 3rd year ELPO Students

Prof. G. N. Bonde
Prof. P. R. Dhabe
(ELPO Dept., SSGMCE)

Resource Person(s)

Prof. P. R. Dhabe
Faculty Advisor (IEI)

Prof. P. R. Bharambe
Faculty Advisor (IEI)

Dr. S. R. Paraskar
HOD, ELPO

Dr. S. B. Somani
Principal

@iei_electrical_ssgmce   linkedin.com/in/ssgmce   @Alumnissgmce

Name of Resource Person: Mr. G. N. Bonde & Mr. P. R. Dhabe (Assistant Professor, SSGMCE Shegaon)
Target Group: Third Year B.E. Electrical Engineering Students
Duration of Workshop: 10th – 15th February 2022
Time: 11:00 AM to 05:30 PM
Venue: PLC Lab, ELPO Dept SSGMCE Shegaon
Organized by: IEI – Department of Electrical Engineering Students' Chapter, SSGMCE Shegaon
Number of Beneficiaries: 33
Program outcomes Addressed: PO1,PO2, PO3, PO4, PO5, PO9, PO10, PO12

Mr. P. R. Dhabe
Faculty Advisor

Mr. P. R. Bharambe
Faculty Advisor

Head,
ELPO Dept.

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON

EXTC Department

Workshop Summary Report

Workshop Title   : Embedded systems and Internet of Things

Date   : 11 Jun 2018 -7 July2018

Location   : EXTC seminar Hall & VLSI Lab.

Organizing Institute   : SSGMCE, Shegaon

Workshop Cooridnator   : Dr. K.B.Khanchandani & Dr.P.R.WanKhede

Number of Participants   **: 27**

Workshop Objectives:

1 To familiar with the various Embedded processor and IOT applications

2 Develop applications design Embedded processor and IOT applications.

Outcomes:

1.Will be able to understand working of Arduino & Rasberry Pi embedded controllers

2. Can develop application with Embedded C and controllers.

3. Mini project designs using Arduino & IOT concepts.

Submitted by   : Dr. P.R.Wankhede

Name and Signature of the Coordinator: Dr. P.R.Wankhede

Date of Submission   : 23 Aug 2018

Scanned Copy of Registration:

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Dist – Buldhana – 444203, Maharashtra, India

IEEE
SSGMCE STUDENTS BRANCH

Department of Electronics and Telecommunication Engineering

Summer School - 2018

Electronics and Telecommunication Engineering department in collaboration with IEEE Students Branch is organising Summer School - 2018 for engineering UG and PG students to develop technical skill and employability enhancement. Summer School – 2018 is having following three Training Programs, which will help to learn cutting edge technologies from basics to advance. Hands on sessions in each training program will help to analyse and design applications.

Chief Patron

Hon'ble Shri Shivshankarbhau Patil
Chairman,
Shri Gajanan Shikshan Sanstha, Shegaon

Patron

Hon'ble Shri Shrikantdada Patil
Director,
SSGMCE, Shegaon

Organizing Chair

Dr. S. B. Somani
Principal,
SSGMCE, Shegaon

Convenor

Dr. G. S. Gawande
Professor and Head,
Dept. of Electronics and Telecomm. Engg.

Summer School Coordinator

Prof. P. R. Wankhede
Assistant Professor,
Electronics and Telecomm. Engg Dept.
Mobile/Whatsapp: +91 9371857196
Email: pravin.india1@gmail.com

Last date of Registration for all programs is **30th April, 2018**
For registration, accommodation and other queries contact Summer School Coordinator.

Hurry Up!!
Limited 20 Seats to each program

Programs, Dates and Fees

Sr. No.	Program Name	Fees	Dates
1	Embedded Systems and Internet of Things	Rs. 10000/- per participant *(Includes study material, refreshment, and certificate)*	11th June to 07th July 2018 *Duration: One Month*
2	Analog VLSI Circuit Design using Cadence	Rs. 6000/- per participant *(Includes study material, refreshment, and certificate)*	11th June to 23rd June 2018 *Duration: Two Weeks*
3	RF Circuit Design using ADS	Rs. 3000/- per participant *(Includes fabrication material, refreshment, and certificate)*	25th June to 30th June 2018 *Duration: One Weeks*

Summer School - 2018
Course Contents

Program Name	Program Coordinators and Experts	Contents
Embedded Systems and Internet of Things	Dr. K. B. Khanchandani Prof. P. R. Wankhede Dr. G. S. Gawande Prof. V. V. Ratnaparkhi Prof. V. K. Bhangdiya Prof. A. N. Dolas	• Introduction to Embedded Systems • Basics of Electronics • Elements of Embedded Systems • Sensors and Actuators • Embedded Protocols • Embedded C Programming • Introduction to Internet of Things • Hardware and Software infrastructure of IoT • Wireless Technologies for IoT • ESP32 Microcontroller architecture • Data Acquiring, Organizing and Analytics in IoT • Introduction to HTML, CSS, PHP and MySQL • Designing Software and Hardware for IoT Applications • Bluetooth Classic and BLE applications • Android App Development • Wi-Fi and LORA Enabled IoTs • Cloud platforms • Real Time Operating Systems

Shri Sant Gajanan Maharaj College of Engineering, Shegaon
Department of Electronics and Telecommunication Engineering
Summer School - 2018

Embedded Systems Design and Internet of Things
11th June to 07th July, 2018

Schedule

11/06/2018 9.00am to 9.30am – **Registration** Venue: Seminar Hall, EXTC Dept
11/06/2018 9.30am to 10.00am - **Inauguration** Venue: Seminar Hall, EXTC Dept

Date\Time	10.00am-12.00noon	12.00pm-1.30pm	1.30pm-4.00pm	4.00pm-4.30pm	4.30pm-7.00pm
11/06/2018	Introduction to Embedded Systems Design Dr. K. B. Khanchandani	Lunch Break	Basics of Electronics Prof. A. N. Dolas	Hi-Tea	**Lab Session** Preparing Development Environment
12/06/2018	Embedded Systems – Issues, Trends and Directions Dr. K. B. Khanchandani		Sensors and Actuators Prof. P. R. Wankhede		**Lab Session** GPIO Programming
13/06/2018	Basics of Microcontroller Architecture Dr. G. S. Gawande		ESP32 Microcontroller Architecture Dr. G. S. Gawande		**Lab Session** Sensors Interfacing
14/06/2018	**Lab Session** Sensors Interfacing		Embedded Systems for Real-Time Tracking and IoT (IEEE Webinar) Dr. Subramaniam Ganesan Oakland University		**Lab Session** Relay Interfacing
15/06/2018	Types of Motors and Drivers Prof. P. R. Wankhede		**Lab Session** Motor Control		**Lab Session** Motor Control
16/06/2018					
17/06/2018	Holiday		Holiday		Holiday
18/06/2018	**Lab Session** Gas Sensing		**Lab Session** Color Recognition		**Lab Session** Display Devices
19/06/2018	uC Communication Protocols Prof. V. K. Bhangdiya		**Lab Session** Using Controller Protocols		**Lab Session** RFID Interfacing
20/06/2018	Wireless Technologies Prof. V. V. Ratnaparkhi		**Lab Session** Tilt Sensing using Accelerometer		**Lab Session** SD Card Interfacing
21/06/2018	Bluetooth Classic and Bluetooth Low Energy Prof. P. R. Wankhede		**Lab Session** Introduction to MIT App Inventor		**Lab Session** Android App Design
22/06/2018	**Lab Session** Android App Design		**Lab Session** Android App Design		**Lab Session** Android App Design
23/06/2018					
24/06/2018	Holiday		Holiday		Holiday
25/06/2018	Introduction to Internet of Things Dr. K. B. Khanchandani		IoT Protocols Prof. P. R. Wankhede		**Lab Session** Setting up Wi-Fi
26/06/2018	IoT: Applications and Opportunities Dr. K. B. Khanchandani		**Lab Session** HTML Programming		**Lab Session** Introduction to CSS
27/06/2018	IoT Enabling Technologies Prof. P. R. Wankhede		**Lab Session** Data Acquisition and Device control using Web Browser		**Lab Session** Data Acquisition and Device control using Web Browser
28/06/2018	IoT Cloud Platforms Prof. P. R. Wankhede		**Lab Session** Cloud Data Logging		**Lab Session** Cloud Data Logging
29/06/2018	**Lab Session** Device control from anywhere		**Lab Session** GSM		**Lab Session** GSM
30/06/2018		Lunch Break		Hi-Tea	
01/06/2018	Holiday		Holiday		Holiday
02/06/2018	**Lab Session** Creating Server on PC		**Lab Session** Introduction to MySQL/Databases		**Lab Session** Storing data using MySQL
03/06/2018	**Lab Session** Introduction to PHP		**Lab Session** Display Data using PHP		**Lab Session** Storing Data using PHP
04/06/2018	**Project** Weather Station		**Project** Home Automation		**Project** Home Security System
05/06/2018	**Project** Web Server		**Project** Attendance System using RFID, MySql and PHP		**Project** Pseudo-Theremin
06/06/2018	**Project** Android App for Home Automation		**Lab Session** Multipurpose Robot		Certificate Distribution
07/06/2018	**Project Competition**				

Theory Lecture Venue: Seminar Hall, EXTC Dept.
Lab Session Venue: Beginners Lab, CSE Dept.

Summer school on Embedded System Design and IoT

Shri Gajanan Shikshan Sanstha's
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Workshop on Microcontroller Board Design was conducted by Prof V.S Ingole for Second Year & Third Year Students (Electronics and Tel.Com. Engg Students

Workshop on Microcontroller Board Design

Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Department Of Electronics and Telecommunication Engineering

(Report of Workshop on Microcontroller Board design on 19th March 2023)

(Quarter II   IIC 5.0 Calendar Activity 22-23 (1st December to 28th February)

Name of the event:Program types	Microcontroller Board Workshop
Resource persons	Mr.Shreyas Shah Mr.Vikram Ingole
Academic year	2022-2023
Program Theme	Design –fabricate-Programme the Microcontroller Board
Start date& End Date	19/03/2023 to 22/03/23
Duration of the activity (in hours)	32Hrs(Four Days)
No. Participants	Students Participated - 36 Faculty Present -01

Mode of session (online /offline)	Offline
Program driven by	
Session recording link /offline venue **All Social media Link (promotion)**	**Venue : *FAB LAB***
Event Coordinator **Faculty Name/Department** **/Designation**	Prof.Vikram Ingole Department of Electronics and Telecommunication Engineering
Target Participants	Second Year & Third Year Students (Electronics and Tel.Com. Engg Students)
Objective **Benefit in term of learning/skill/knowledge obtained (benefit in term field is required)**	**Objective of this Workshop as follows** • Student will be able to learn design electronics circuits using design software such as Easy EDA • Students will be able to fabricate SMD components • Students will be able to program the microcontroller Board **Outcome of this event are following** After competition of workshop participant are able to • Design own microcontroller Board using EasyEDA software Board • Stuff and soldered SMD Components on double

	sided PCB
	• Identification and Testing of SMD Electronics Components
	• Troubleshooting PCB using HOT and COLD Testing methods.
	• Program the Microcontroller Board

Overview of the program:

Based on above objective, the department of electronics and telecommunication Shri Sant Gajanan Maharaj College of Engineering, Shegaon in association with ISTE Student Chapter, IEI Mechanical Engg. Student Chapter and Institute Innovation Council has organized **Microcontroller Board Design fabricate program workshop on 19/03/2023** for Second and third year students of Electronics and Telecomm. Eng. Total 36 students and 01 Faculties participated in the mention program.

Detail Schedule of Program:

Time	Day1 19 / 3 / 2023 Sunday
11AM TO 1:00PM	Basics of Electronics Components identification polarity working, packages
1:15PM TO 3:15PM	Starting with Easy EDA All tools, how to use, software roadmap

3:45PM TO 5:45PM	Design a board Make a Schematic Convert to PCB (work-along)
7:00PM TO 9:00PM	Interesting Topic Discussion Topic1

Time	Day2 20 / 3 / 2023 Monday
11AM TO 1:00PM	Custom Board Design Hedy MCU Different shapes, Images
1:15PM TO 3:15PM	Hedy MCU Assembly components sorting paste application
3:45PM TO 5:45PM	Hedy MCU Assembly component placement Soldering
7:00PM TO 9:00PM	Interesting Topic Discussion Topic2

Time	Day3 21 / 3 / 2023 Tuesday
11AM TO 1:00PM	PCB Inspection Visual Inspection Cold Testing

Time	
1:15PM TO 3:15PM	Debugging Desolderig Re-solderig
3:45PM TO 5:45PM	Debugging Hot Testing Test Sheets
7:00PM TO 9:00PM	Interesting Topic Discussion Topic3

Time	Day4 22 / 3 / 2023 Wednesday
11AM TO 1:00PM	Programming The Codes Testing with App
1:15PM TO 3:15PM	Future Scope How to design a project around Hedy MCU
3:45PM TO 5:45PM	Discussion Project Ideas Project Building Blocks
7:00PM TO 9:00PM	Conclude

Prof.Vikram Ingole Welcome Hon'ble Director Mr.Shrikantdada Patil, Principal Dr.S.B.Somani, HoD Dr..M.N.Tibdewal, IIC Chairman Dr.S.B.Patil. IIC Member Dr.R.S.Dhekekar and request to inaugurate the program.

Prof.Vikram S Ingole was workshop coordinator for this workshop. Mr.Shreyas Shah from Pune was present as a resource person for this workshop

As per schedule workshop begin by conducting different activity during four days. Finally workshop concluded on fourth day

Mr V.S.Ingole   Dr. M. N. Tibdewal

Workshop Coordinator   Head of Department
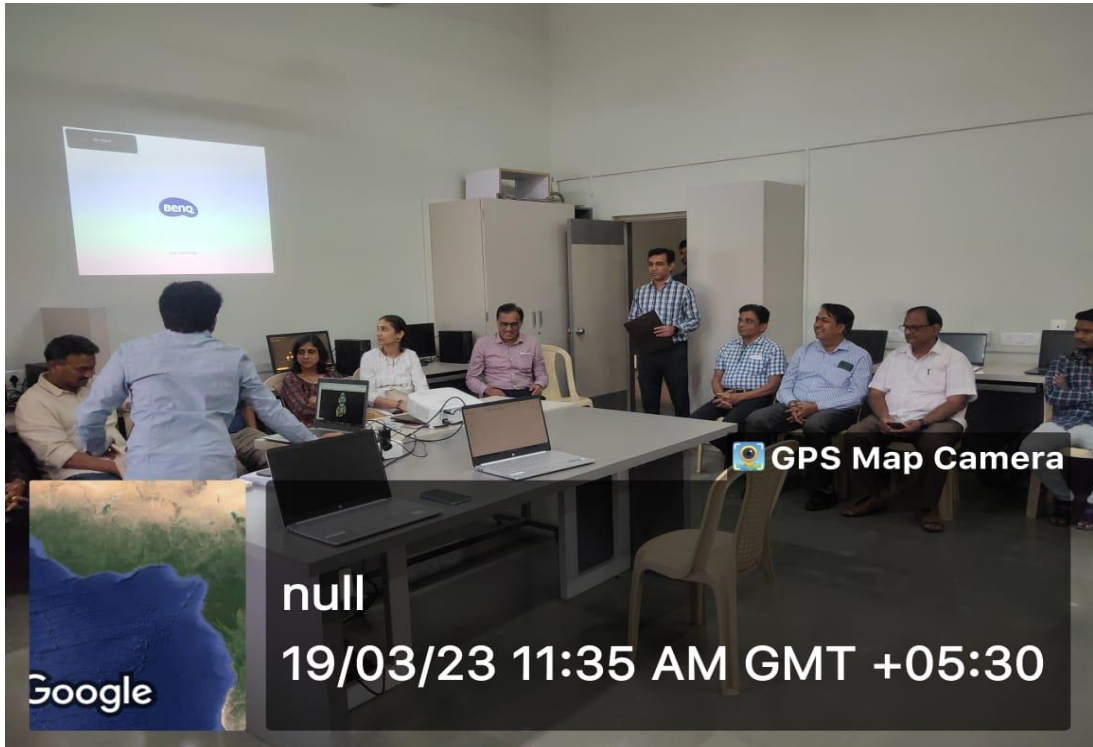
Photographs during Microcontroller Board Workshop

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Internships

Internships provide hands-on learning experiences by immersing individuals in real-world work environments related to their field of study or career aspirations. Interns have the opportunity to apply theoretical concepts and academic knowledge acquired in the classroom to actual workplace situations. This bridge between theory and practice enhances their understanding.

Gurjeet sahney Final Year IT Student 33recieved an appreciation for his internship with Vnurt Tehnology and Solutions Pvt Ltd. For his outstanding work company awarded him appreciation certificate and Rs 4000/-

Sample Certificate of a student

Three students from the Department of Information Technology have bagged a six month long paid Internship with Onesmarter Inc., USA. The students include Ms. Aishwarya Vyawhare and Mr. Sanket Vakil of Final Year IT and Mr. Kartik Chauhan from Third Year IT. The opportunity was provided to the students by Dr. Vikram Sethi, President, OneSmarter Inc., USA and Director at Institute of Défense Studies, Wright State University, Dayton, Ohio, USA. He personally selected the students for internship through technical Interview and assignments. This internship not only benefited the students for their personal technical growth but also provide them with a global platform to explore the work culture abroad and learn from the leads in the field. This opportunity was provided by our prestigious alumnus Mr. Mangesh Wankhade, MD, WAPARKING, Pune. In addition to this, 19 students were also selected to work on this project.
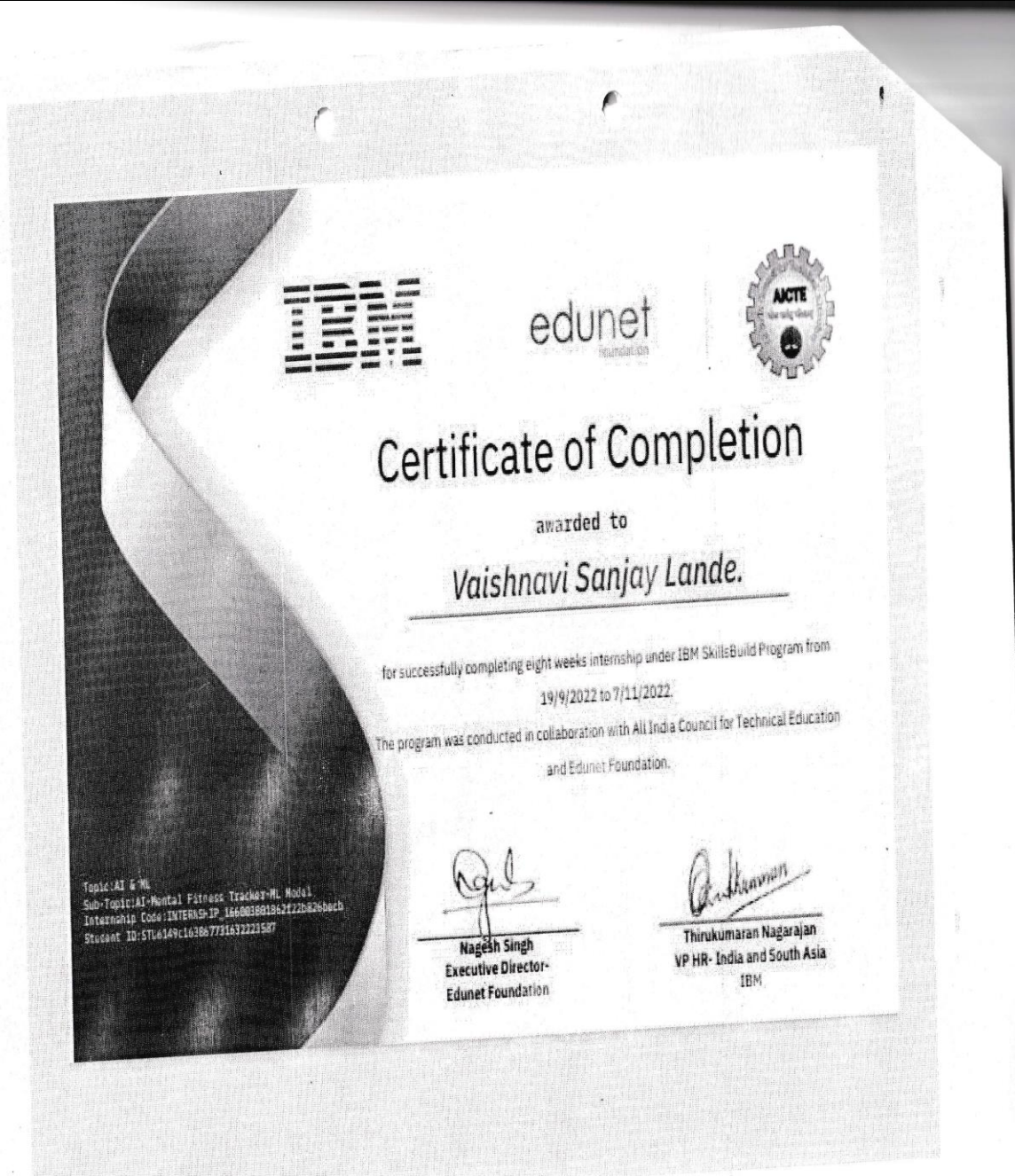
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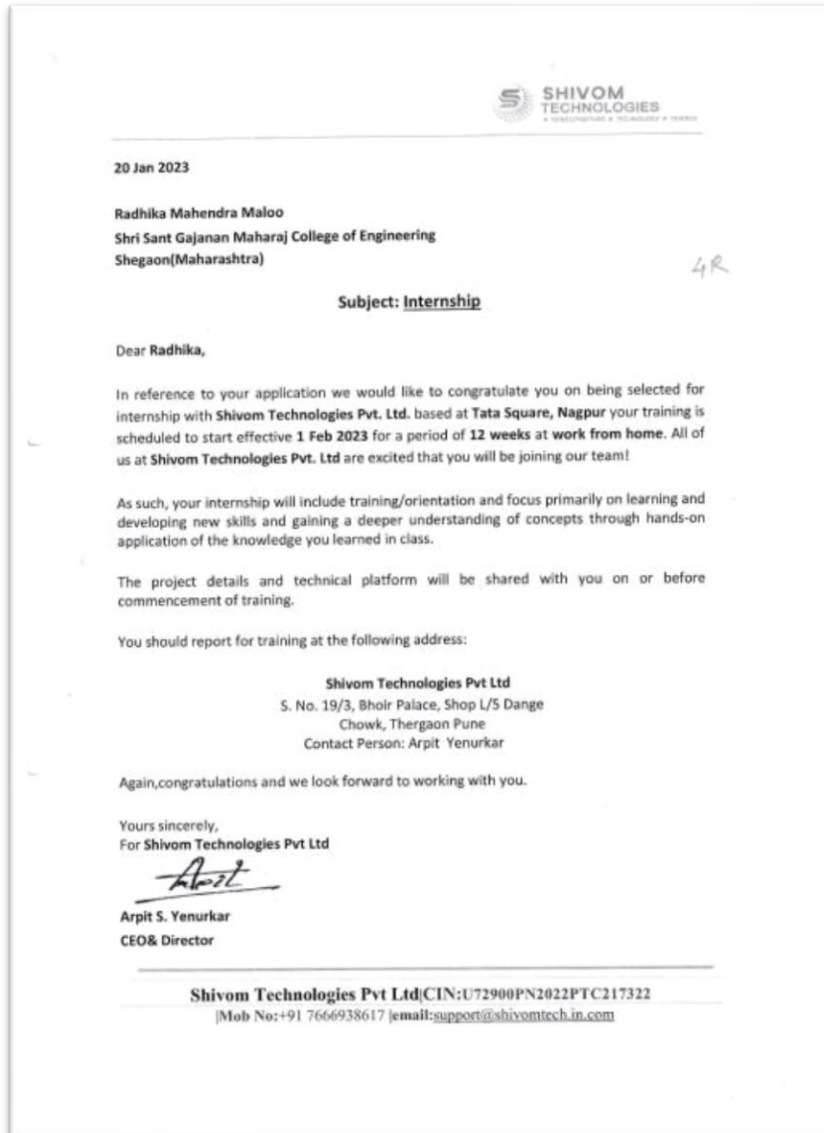**Screenshot of Congratulation Notice on Digital Board**

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Screenshot of e-copy of Dainik Bhaskar Newspaper

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Number of Internships undertaken by Students during the academic year 2022-23

SN	Program Name	Number of Students undertaking Internships
1	B.E. - Computer Science & Engineering	49
2	BE – Electrical Engineering (Electronics &Power)	107
3	BE – Electronics and Telecommunication Engineering	22
4	BE – Information Technology	22
5	BE – Mechanical Engineering	32
6	MBA-Master of Business Administrator	29
	Total Internships	261

PRINCIPAL
Shri Sant Gajanan Maharaj
College of Engineering,Shegaon.

Shri Gajanan Shikshan Sanstha's
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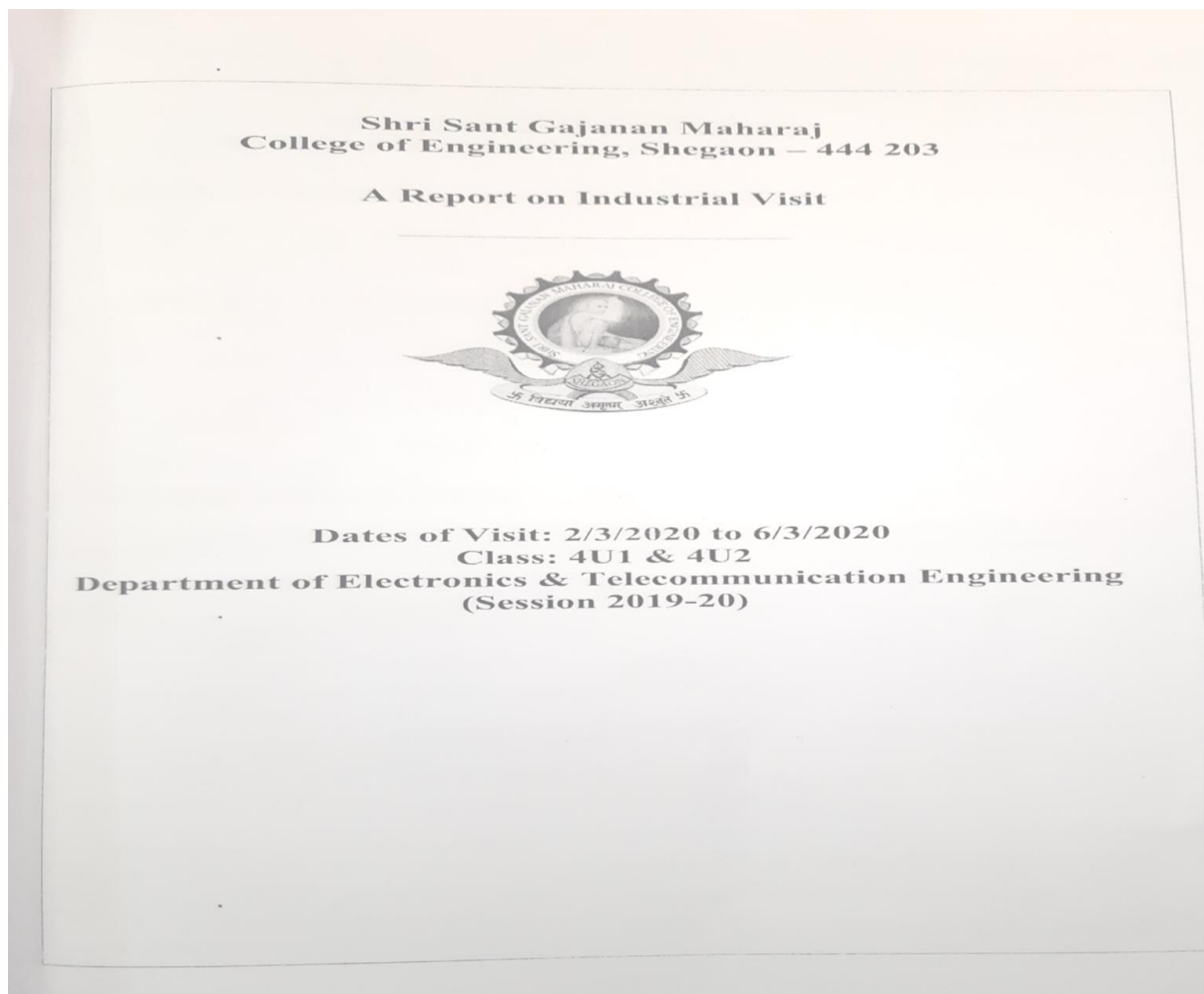## SHEGAON – 444203, DIST. BULDHANA (MAHARASHTRA STATE), INDIA
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A54340

TATA

Certificate of Completion

Awarded to

Ms. Gauri Santosh Murkar

TPSDI Enrollment No. 23002088SH

for participating in a training program titled

Familiarisation with Power System & Solar PV

as per TPSDI Skill Qualification Framework

held at TPSDI-Shahad

[Recognized by Ministry of Power as Category-I Training Institute]

on November 5, 2022

J C Mistry
Chief TPSDI

TPSDI
TATA POWER
SKILL DEVELOPMENT INSTITUTE
Empowering Skills for Life!

The Tata Power Company Limited, Parel Receiving Station, Parel Tank Road, Mumbai 400 033, Maharashtra, India Tel: 022-67172182
Website: https://www.tpsdi.com | For verification please visit tpsdi.seqronline.com

Sample certificate of a student

Shri Gajanan Shikshan Sanstha's

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Website- www.ssgmce.ac.in

Date: 15/02/2023

INTERNSHIP CERTIFICATE

This is to certify that **Kirti Arun Raut** has worked as a **Full Stack Developer Intern** during the period 12/12/2022 to 12/02/2023 and has successfully completed the internship. During the internship period, Kirti Arun Raut has shown an incredible amount of responsibility, sincerity, a genuine willingness to learn and zeal to take on new assignments & challenges. In particular, the development skills are par excellence, and the attention to details is impressive.

We wish Kirti Arun Raut all the very best for their future endeavors.

Sincerely,

Hannan Satopay
Chief Executive Officer

Sample internship completion certificate of a student

Shri Gajanan Shikshan Sanstha's

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Exposys
Data Labs

Certificate of Internship

TO WHOM IT MAY CONCERN

This is to certify that **Ms. VAISHNAVI BALKRUSHNA GAWANDE** has completed internship programme on **"Data Science"** from 25.09.2021 to 24.10.2021.

She took keen interest in the work assigned and successfully completed it. During the period of internship we found her to be punctual, hardworking and inquisitive.

We wish her luck and success in all her future endeavours.

Y Vishnuvardhan

Chief Director

hr@exposysdata.com
www.exposysdata.com

Sample internship completion certificate of a student

Shri Gajanan Shikshan Sanstha's

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Sample internship completion certificate of a student

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SHIVOM TECHNOLOGIES

20 Jan 2023

Radhika Mahendra Maloo
Shri Sant Gajanan Maharaj College of Engineering
Shegaon(Maharashtra)

4R

Subject: Internship

Dear Radhika,

In reference to your application we would like to congratulate you on being selected for internship with **Shivom Technologies Pvt. Ltd.** based at **Tata Square, Nagpur** your training is scheduled to start effective **1 Feb 2023** for a period of **12 weeks** at **work from home**. All of us at **Shivom Technologies Pvt. Ltd** are excited that you will be joining our team!

As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts through hands-on application of the knowledge you learned in class.

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

You should report for training at the following address:

Shivom Technologies Pvt Ltd
S. No. 19/3, Bhoir Palace, Shop L/5 Dange
Chowk, Thergaon Pune
Contact Person: Arpit Yenurkar

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

Yours sincerely,
For **Shivom Technologies Pvt Ltd**

Arpit S. Yenurkar
CEO& Director

Shivom Technologies Pvt Ltd|CIN:U72900PN2022PTC217322
|Mob No:+91 7666938617 |email:support@shivomtech.in.com

Sample internship completion certificate of a student

Shri Gajanan Shikshan Sanstha's

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Lets Grow More

CID - LGMVIPDS0002792

CERTIFICATE OF COMPLETION

PROUDLY PRESENTED TO

Pallavi Borse

Was an active Participant in the LetsGrowMore Virtual Internship Program
in Data Science from 1 October 2022 to 1 November 2022

Aman Kesarwani

FOUNDER

Verify Here

7 November 2022

Sample internship completion certificate of a student

Shri Gajanan Shikshan Sanstha's

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Student training at TATA POWER, Shahad

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Industry Visits

Industry visits provide experiential learning by offering students a firsthand glimpse into the practical workings of various industries. Industry visits expose students to the actual work environments and operations of different industries. This firsthand experience goes beyond textbook knowledge, providing a tangible understanding of how concepts are applied in real life

Shri Sant Gajanan Maharaj
College of Engineering, Shegaon – 444 203

A Report on Industrial Visit

Dates of Visit: 2/3/2020 to 6/3/2020
Class: 4U1 & 4U2
Department of Electronics & Telecommunication Engineering
(Session 2019–20)

Shri Gajanan Shikshan Sanstha's
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SSGMCE, Shegaon
Dept. of Elect. & Telecomm.Engg.

Date: 10/3/2020

1 Industries Visited

    a. S A Electronics, Pune
       Contact Person: Mr. Sandeep Lohiya
    b. Vigyan Ashram, Pabal,Pune

2 Industrial Tour Members
    a. Faculty and staff:
        i. Prof. V. N. Bhonge
        ii. Prof. M.L. Bhaiyya
        iii. Mr. S.P.Satal
        iv. Prof. B.P.Harne
    b. Students:
        i. 4U students - 49

3 Schedule of Industrial Visit

One vehicle is arranged for 53 members (49 students, 4 staff) and departed from SSGMCE campus for Pune at 7.00 am on 2/3/2020 .The schedule of indusial visit is given in table 1

Table 1 Schedule of industrial visit from 2/3/2020 to 6/3/2020

Sr.No.	Activity	Time	Date
1	Departure from SSGMCE, Shegaon to Alandi, Pune	7.00 AM	2/3/2020
2	Industry visit S A Electronics ,Pune	9.00 AM	3/3/2020
3	Industry visit Vigyan Ashram, Pabal,Pune	9.00 AM	2/3/2020
4	To Imagica for Excursion (From Bhakta Niwas, Alandi)	7.00 AM	5/3/2020
5	Departure from Alandi ,Pune to SSGMCE,Shegaon	7.00 AM	5/3/2020

4 Outcomes of Industrial Visit

Industrial visits are an important part of the educational experience for students in various fields, such as engineering, business, and hospitality. These visits provide students with real-world exposure to the industry they are studying and offer several valuable outcomes:

1. Practical Understanding: Industrial visits allow students to see how theoretical concepts are applied in a real-world setting. This practical exposure helps them better understand

Date: 10/3/2020

1 Industries Visited

    a. S A Electronics, Pune
       Contact Person: Mr. Sandeep Lohiya
    b. Vigyan Ashram, Pabal,Pune

2 Industrial Tour Members

    a. Faculty and staff:
        i. Prof. V. N. Bhonge
        ii. Prof. M.L. Bhaiyya
        iii. Mr. S.P.Satal
        iv. Prof. B.P.Harne
    b. Students:
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1. Practical Understanding: Industrial visits allow students to see how theoretical concepts are applied in a real-world setting. This practical exposure helps them better understand

their coursework and gain insights into the practical aspects of their field.

2. Application of Knowledge: Students can observe how the concepts they've learned in the classroom are put into practice in an industrial environment. This hands-on experience can enhance their ability to apply what they've learned.

3. Career Insight: Industrial visits provide students with a glimpse into potential career paths and job roles within the industry. This exposure can help them make informed decisions about their future careers and areas of specialization.

4. Networking Opportunities: Students can interact with industry professionals, ask questions, and build relationships with potential future employers or mentors. This networking can be valuable for internships, job placements, and career guidance.

5. Problem-Solving Skills: By witnessing real-life challenges and problem-solving strategies in an industrial setting, students can develop their critical thinking and creative problem-solving skills.

6. Motivation and Inspiration: Experiencing a successful industrial operation can inspire and motivate students to work hard and excel in their studies. It can also help them set higher career goals.

7. Soft Skills Development: Students often need to communicate, collaborate, and adapt to different situations during industrial visits. This can enhance their soft skills, such as teamwork, communication, and adaptability.

8. Cultural Exposure: For international students, industrial visits can provide cultural exposure and a better understanding of how businesses operate in different parts of the world. This can be particularly valuable for global business and international relations students.

9. Confidence Building: Visiting industries and interacting with professionals can boost students' self-confidence and help them feel more prepared for the real world after graduation.

10. Compliance and Safety Awareness: Students can learn about industry-specific regulations, safety protocols, and compliance standards, which are crucial in many fields, such as manufacturing and healthcare.

11. Industry Trends and Innovations: Industrial visits allow students to stay updated on the latest industry trends, technologies, and innovations. This knowledge can be useful for research projects and staying competitive in the job market.

12. Enhanced Resume: Participation in industrial visits is a valuable addition to a student's resume. It shows a proactive approach to learning and an interest in practical industry experience.

During this session, students interacted with the staff of S A Electronics. It is a renowned supplier of Process control Instrumentation products. It offers solutions for the measurement and control of Pressure, Temperature, Level, Flow and Weight. Our students gained knowledge of different sensors by visiting this industry.

Second visit to Vigyan Ashram encouraged students to become entrepreneur. It is the world of rural technology where individuals express their interest to become entrepreneur.

5   Glimpses of the Tour
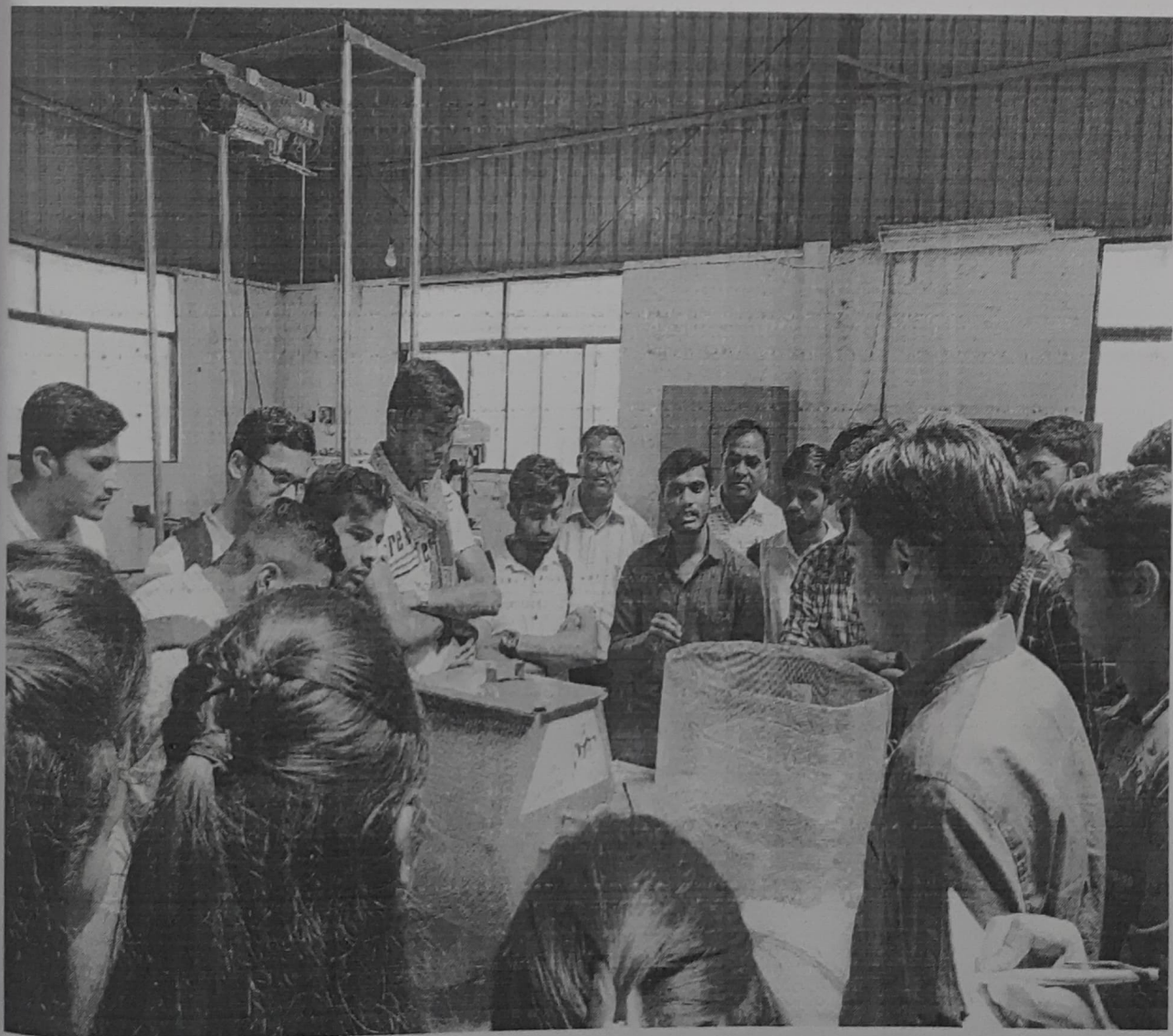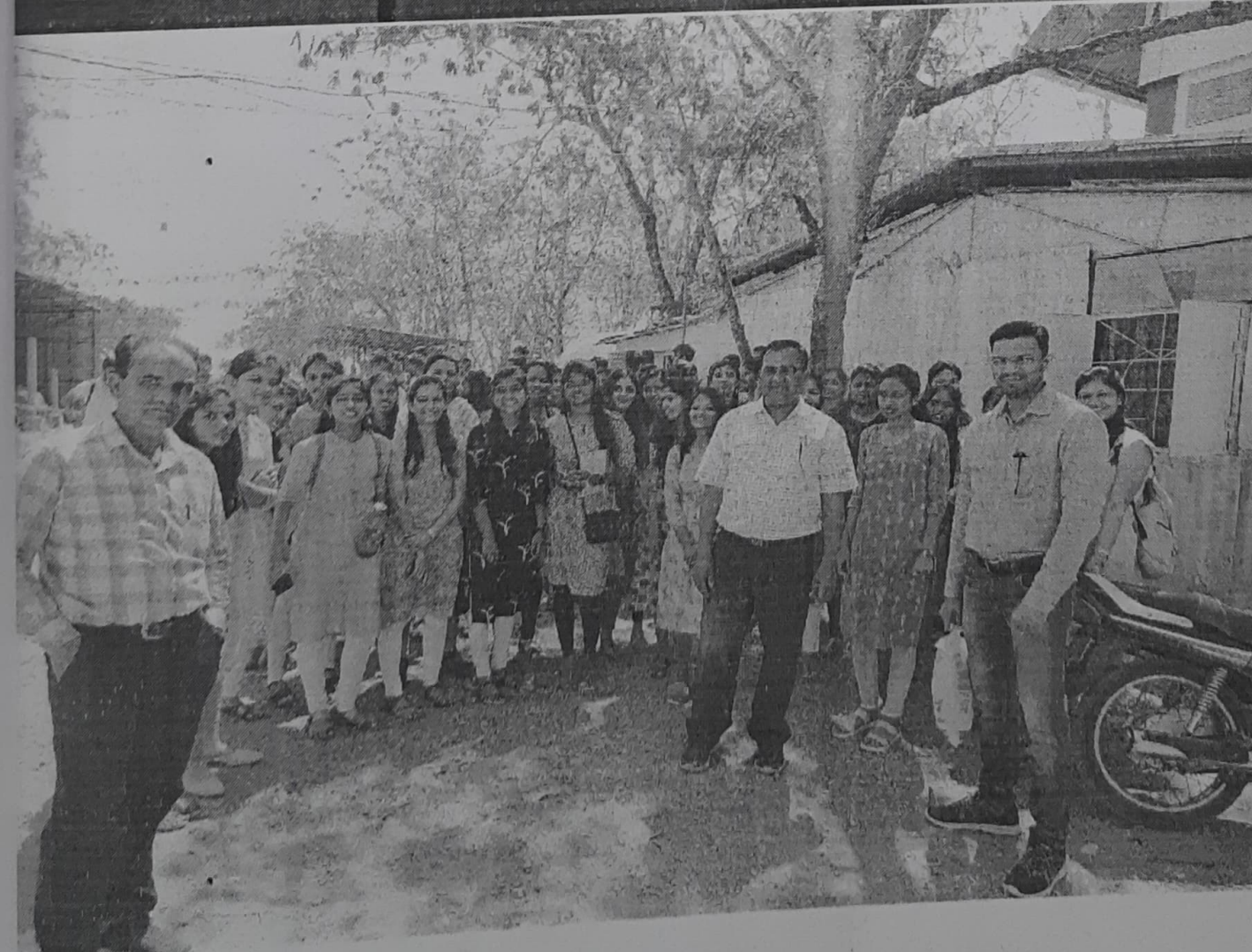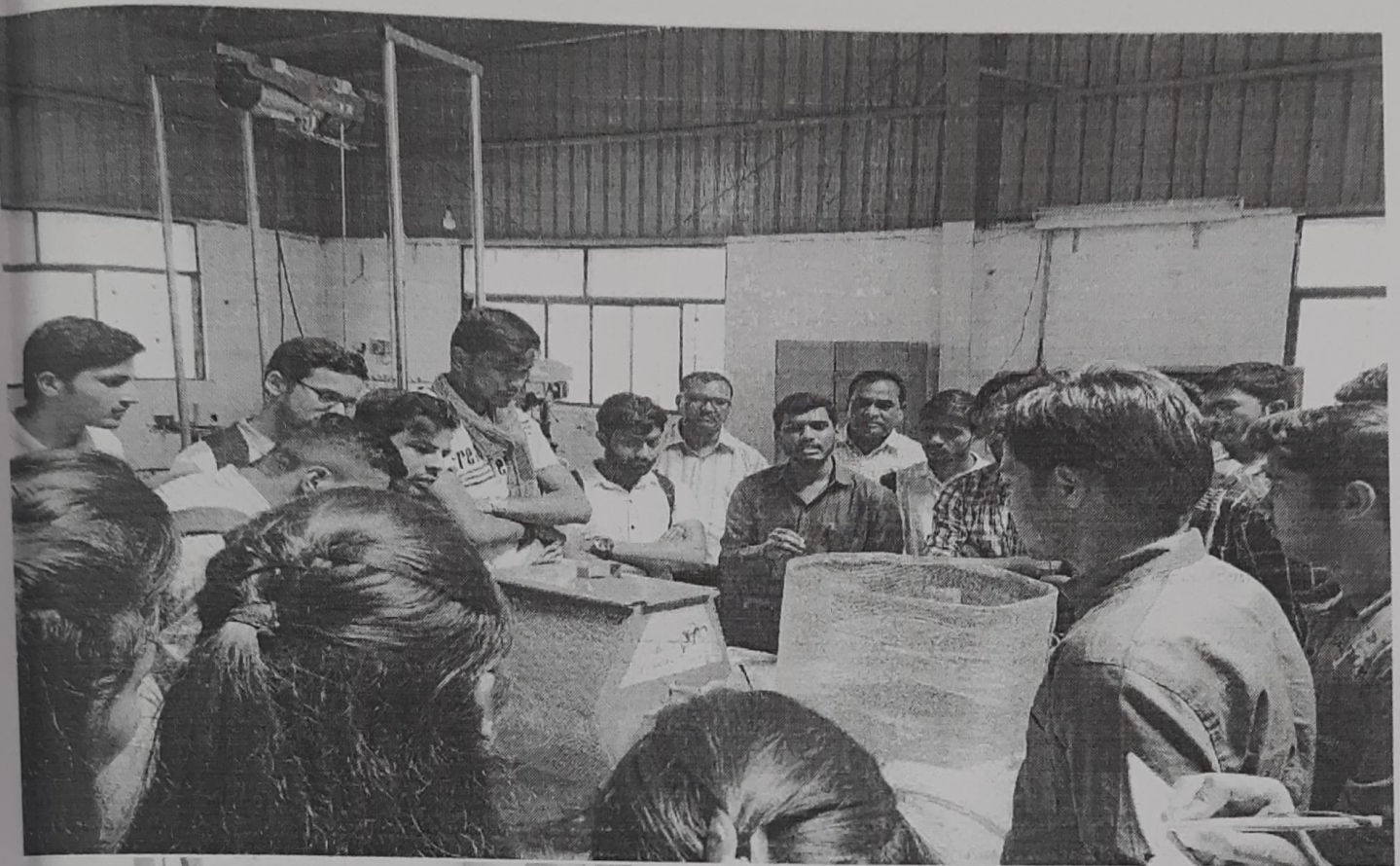
Prof. V. N. Bhonge/ Prof. B. P. Harne

Coordinators

Dr. G. S. Gawande

HOD

REPORT ON STUDY TOUR CUM INDUSTRIAL VISIT

DEPARTMENT OF BUSINESS ADMINISTRATION AND RESEARCH

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON

A study tour cum industrial visit including twenty students from MBA I year and three faculty members was organized during 20- 21 December 2022 to the following places-

1- Mahatma Gandhi Institute for Rural Industrialization (MGIRI), Wardha
2- Center of Science for Villages, Wardha
3- Magan Museum, Wardha
4- Sevagram Aashram, Sevagram
5- Pavnar Ashram, Pavnar

During this visit, the aspirants had an opportunity to meet people, interact, comprehend and experience the functioning at Khadi and Textile Division, Rural Energy and Infrastructure Division, Rural Craft and Engineering Division, Micro processing and Herbal Division at MGIRI. The Senior Scientific Officer Mr. Sachin Raut and his colleagues illustrated the ins and outs of the entire institute's functioning. They further explored the possibilities of internships, projects, trainings and entrepreneurial venture possibilities matching with the Management fraternity and MBA students. A few personnel were also requested for guest talks in the department.

Different places at Sevagram Ashram like Adi Niwas (The First Cottage), Prayer Ground, Bapu Kuti (Gandhi's Cottage), Ba Kuti (Kasturba's Cottage), Akhri Niwas (The Last Abode) and the interactions with the personnel from Ashram added colors to the visit. This was distinguished, special and unique learning experience in the light of Gandhian Philosophy which is also a part of syllabus in the subject Indian Ethos and Business Ethics for MBA I year students.

Mr. Gautam Bajaj elaborated the life, philosophy, work of Vinoba Bhave at Pavnar Ashram and also shared the views on Vinoba Bhave's literature and its contemporary relevance in the context of youth. Students and faculty members participated in the everyday "Vishnusahastranam" prayer at Pavnar Ashram. The visit was also significant in the light of Holistic Approach and NEP (National Education Policy).

Group photo during visit to MGIRI Wardha

Wardha, Maharashtra, India
PHQV+J2V, Maganwadi, Wardha, Maharashtra
442001, India
Lat 20.739258°
Long 78.593226°
20/12/22 04:50 PM GMT +05:30

H.O.D. MBA & R

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Third Year BE Electrical Engineering students along with faculty members visited M/s. ABB Ltd Ltd. Nashik on 27th August 2018

Group photo during ABB Training Center visit

Third Year BE Electrical engineering students, along with faculty members, visited M/s. Powerinst Pvt. Ltd. in Nashik on August 27, 2018.

Group photo during M/s. Powerinst Pvt. Ltd. visit

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On February 26, 2020, Prof. A G Sharma and Prof. F I Khandwani accompanied third-year IT students on an industrial visit to Jade Global in Pune.

Group photo during industrial visit to Jade Global

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Mechanical engineering students visited o BOSCH Nashik 20/1/2020

Photo during industrial visit to BOSCH

Shri Gajanan Shikshan Sanstha's

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Website- www.ssgmce.ac.in

Mechanical Engineering students visited Hindustan Hardy Ltd. Nashik 20/1/2020

Group photo during industrial visit to Hindustan Hardy Limited

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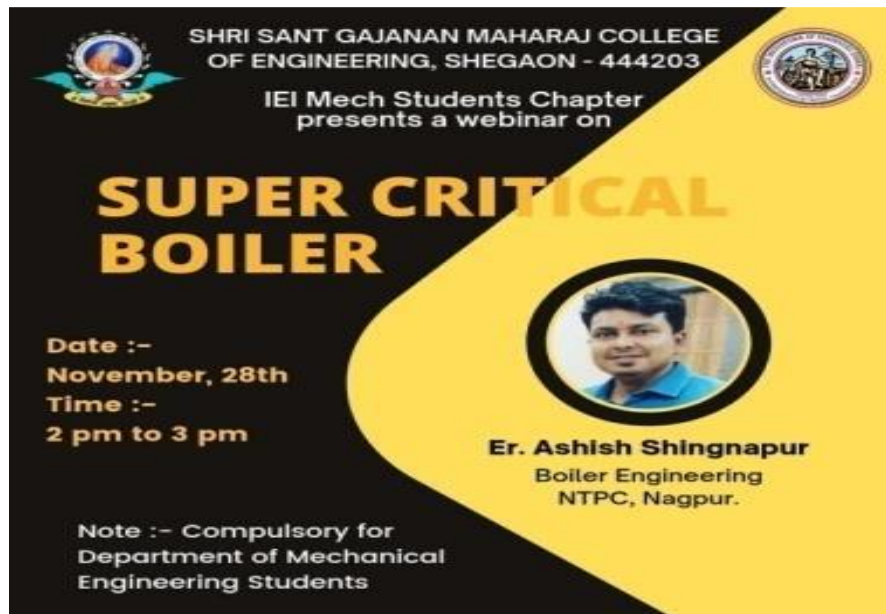College of Engineering,Shegaon.

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Industry Integration Initiatives

Industry integration initiatives involve experiential learning by bridging the gap between academic knowledge and real-world applications. These programs are designed to provide students with practical experiences that enhance their understanding of industry practices and foster skill development. Through hands-on projects, internships, and collaborative engagements with professionals, students gain valuable insights, apply theoretical concepts in real-world scenarios, and develop the skills needed for success in their chosen fields.

The institute has established Memoranda of Understanding (MoUs) and collaborations as part of its Industry Integration Initiatives. Through these collaborations, a number of activities are conducted for students.
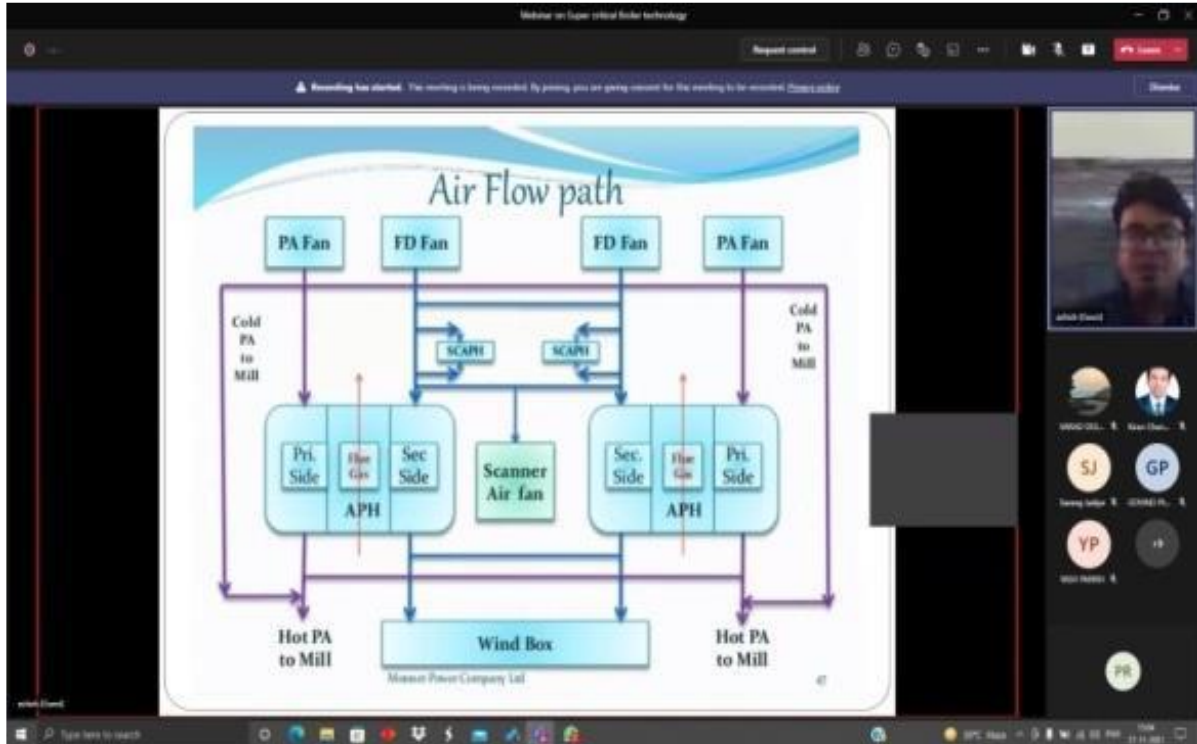
The details are tabulated below.

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registrar@ssgmce.ac.in

MoUs in 2022-23

SN	Name of the collaborating industry
1	Tata Power Skill Development Institute, Shahad
2	Adani Dahanu Thermal Power station, Dahanu, Dist-Palghar
3	Expert Global Solutions Pvt. Ltd., Aurangabad
4	Endress Hauser Automation Instrumentation Pvt Ltd Aurngabad
5	Lyceum of the Philippines University, Laguna Campus
6	Leben Life Sciences Pvt Ltd, Akola
7	ApxaIQ Technologies Pvt. Ltd and SGIARC-TBI Foundation
8	BASE Education, Jalgaon-425001 (M.S.)
9	S&K Associates, Nashik –422401, Maharashtra
10	ExcelR Solutions
11	Capable, Pune
12	Wipro Limited, Bangalore
13	Persystence Systems Limited Nagpur
14	Tata Consultancy Services and Misoft Business Unit, Pune
15	Mitu Skillologies, Pune
16	Bharat Software Solutions, Pune

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Some of the activities conducted under MOU includes workshops, guest lectures, Internships, Industry visits.

Shri Sant Gajanan Maharaj College of Engineering, Shegaon (Maharashtra)

Name of the event	Expert talk on "G20 Insights"
	"My Entrepreneurship Journey"
Resource Person	Mr.Prashant Deshpande Founder & Managing Director, Expert Global Solution Chatrapati Sambhajinagar
	Mr.Mukund Kulkarni Director at Expert Global Solution Chatrapati Sambhajinagar
Academic year	2022-2023
Program Theme (IPR &Technology Transfer Innovation & Design Thinking Entrepreneurship & Startup Pre – Incubation & Incubation Management	Startup/ Entrepreneur
Start date & End Date (DD/MM/YYYY)	20th Mar 2023
Duration of the activity (in hours)	2:00 Hr (1.15 PM to 3.15 PM)
No. Participants (Student / Faculty/If any External participants)	Student 87 & faculty 22
Mode of session (online / offline)	Offline
Program driven by (IIC Calendar activities/Self activities/MIC Activities/Celebration activity)	MIC Activities
Session recording link	
Offline venue	New Seminar Hall
All Social Media Link (Promotion)	https://twitter.com/AlumniSsgmce/status/1636998994843914240?s=20
	https://m.facebook.com/story.php?story_fbid=pfbid024FBctimYk7ePtb2yDRXarMW9voVeNMoewpC6BLWhxpzgYkTEW8WTvPZH8wFr8MBhI&id=100084395894152&mibextid=Nif5oz
	https://www.instagram.com/p/Cp7C7k-DLFs/?igshid=MDJmNzVkMjY=
Event Coordinator Faculty Name / Department	Prof. Ms.P P Bute Assistant Professor

Capabl.

CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT
PRITHVIRAJSINGH DEVENDRASINGH THAKUR

OF COLLEGE / UNIVERSITY
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

HAS COMPLETED
ONE MONTH INTERNSHIP ON SPECIALIZATION
IN **FULL STACK DEVELOPMENT**

DATE   31 / JULY / 2023

CERTIFICATE NO.   CPBLAA0323AA093

MAYANK ARORA
CEO | FOUNDER
CAPABL FROM ELITE TECHNO GROUPS

Sample internship completion certificate of a student

Capabl.

CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT
RUCHIKA BHAGAT

OF COLLEGE / UNIVERSITY
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

HAS COMPLETED
ONE MONTH INTERNSHIP ON SPECIALIZATION
IN **FULL STACK DEVELOPMENT**

DATE   31 / JULY / 2023

CERTIFICATE NO.   CPBLAA0323AA081

MAYANK ARORA
CEO | FOUNDER
CAPABL FROM ELITE TECHNO GROUPS

Sample internship completion certificate of a student

APEXAiQ

Inventory | Security | Productivity | Finance

Date: 25th October 2023

TO WHOM SO IT MAY CONCERN

Subject: Intern Completion Letter

This is to certify that **Juee Prashant Gore** student of **Third Year** at **Shri Sant Gajanan Maharaj College of Engineering, Shegaon** has successfully completed her 12 weeks of Internship Program from **6th June 2023** to **5th September 2023** with ApexaiQ Technologies Pvt Ltd. as a Software Development Intern.

During the period of her internship program, she was found highly motivated, hardworking, diligent, and inquisitive.

We wish her continued success in the years to come.

Sincerely,

For, ApexaiQ Technologies Pvt Ltd.

Pragti Aggarwal

Pragti Aggarwal

Director

APEXAIQ TECHNOLOGIES PRIVATE LIMITED
Reg Add: F 78 Venus Appt. Sector 9 Rohini, Near Japanese Park, Delhi, India, 110085
CIN: U72900DL2022FTC406916
www.apexaiq.com

Doc ID: e8550d7383551e2041d0efa1b9420b21bc98ce2e

APEXAIQ

Inventory | Security | Productivity | Finance

Date: 25th October 2023

TO WHOM SO IT MAY CONCERN

Subject: Intern Completion Letter

This is to certify that **Gauri Sanjay Borle** student of **Third Year** at **Shri Sant Gajanan Maharaj College of Engineering, Shegaon** has successfully completed her 12 weeks of Internship Program from **6th June 2023** to **5th September 2023** with ApexaiQ Technologies Pvt Ltd. as a Software Development Intern.

During the period of her internship program, she was found highly motivated, hardworking, diligent, and inquisitive.

We wish her continued success in the years to come.

Sincerely,

For, ApexaiQ Technologies Pvt Ltd.

Pragti Aggarwal

Pragti Aggarwal

Director

APEXAIQ®

Inventory | Security | Productivity | Finance

Date: 25th October 2023

TO WHOM SO IT MAY CONCERN

Subject: Intern Completion Letter

This is to certify that **Aditya More** student of **Third Year** at **Shri Sant Gajanan Maharaj College of Engineering, Shegaon** has successfully completed his 12 weeks of Internship Program from **6th June 2023** to **5th September 2023** with ApexaiQ Technologies Pvt Ltd. as a Software Development Intern.

During the period of his internship program, he was found highly motivated, hardworking, diligent, and inquisitive.

We wish him continued success in the years to come.

Sincerely,

For, **ApexaiQ Technologies Pvt Ltd.**

Pragti Aggarwal

_____

Pragti Aggarwal

Director

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Website- www.ssgmce.ac.in	

Training by Industry Persons

Hands on Training on Block Chain was conducted by Hands -On Training on Block Chain by Mr. Sourav Suman Block chain Developer for CSE Students

Poster and photo of Hand-on Training

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Two-Day Workshop on Transformer Fundamentals and Testing was conducted for Electrical Engineering Students, by Mr. Sunil Sardey(Retired Executive Engineer, MHETCL)

Sample photo of two days Workshop

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A webinar on Super Critical Boiler   by Mr. Ashish Signapurkar,(NTPC Nagpur) ,was organized for Mechanical Engineering students

Poster and screenshot of a webinar

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Screenshot during a webinar

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Skills Enhancement Hub:

The Skills Enhancement Hub, located within the premises of Shri Sant Gajanan Maharaj College of Engineering, is a specialized department committed to empowering students by augmenting their skills and competencies, aligning them with the contemporary job market demands. This versatile hub offers a variety of workshops, training sessions, and resources designed to cultivate skill development.

Solar Research Centre

Students working on project in Solar Lab

Shri Gajanan Shikshan Sanstha's

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VLSI and Embedded System Design Centre

Two Week Summer School conducted by Prof S.P.Badar on Digital VLSI Design using Xilinx

Students attending workshop at VLSI and Embedded System Design Centre

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SAP ERP Centre: **S**tudents receive comprehensive training in SAP systems, preparing them for careers in enterprise resource planning

List of students who have successfully completed training in the SAP-ERP department.

Sr.No.	NAME	Branch	Passout Year
1	ADITI BARHATE	IT	2020
2	ASHUTOSH BATHE	IT	2020
3	MANAL JUNARE	IT	2020
4	NITISHA AGRAWAL	IT	2020
5	PRATIK THORAT	IT	2020
6	SAHIL D LUNAWAT	IT	2020
7	SHASHANK GADAM	IT	2020
8	SHITAL HANWATE	IT	2020
9	SHIVANI NICHAT	IT	2020
10	TANASHRI SHANKARRAO GOTHE	IT	2020
11	ASHISH B JAISWAL	IT	2019
12	ATUL A GAWAI	IT	2019
13	DIGVIJAY BARGIR	IT	2019
14	MOBIN KHAN	IT	2019
15	SAGAR BAJAJ	IT	2020
16	SHUBHAM PRAKASH PATKAR	IT	2019
17	VISHAL.NITIN.VYAS	IT	2020

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SHRI GAJANAN INVENTION AND ADVANCED RESEARCH CENTRE (SGIARC)
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING CAMPUS,
SHEGAON -444203, DIST.BULDHANA (MAHARASHTRA STATE), INDIA

Date: 23rd April 2019

Shegaon-444203

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Mobin Khan** Final year student of Shri Sant Gajanan Maharaj College of Engineering has completed the project work titled "GST report generation using SAP:ABAP" satisfactory in the SGIARC, Shegaon. towards the fulfillment of the award of "Bachelor of Engineering(IT)" during the period Aug 2018 to March 2019.

Regards.

Dr. S. B. Patil
(Administrative Coordinator)

Recieved

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SHRI GAJANAN INVENTION AND ADVANCED RESEARCH CENTRE (SGIARC)
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING CAMPUS,
SHEGAON -444203, DIST.BULDHANA (MAHARASHTRA STATE), INDIA
Ph: 08669638085, 07265252478 Extn., 465, 463,460 Fax : 091-252346 email: sgiarc@ssgmce.ac.in
website : www.ssgmce.org

Date: 17th April 2019

Shegaon-444203

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.Digvijay Bargir Final year student of Shri Sant Gajanan Maharaj College of Engineering has completed the project work titled "GST report generation using SAP:ABAP" satisfactory in the SGIARC, Shegaon, towards the fulfillment of the award of "Bachelor of Engineering(IT)" during the period Aug 2018 to March 2019.

Regards.

Dr. S. B. Patil
(Administrative Coordinator)

received

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Ph: 08669638085, 07265252478 Extn , 465, 463 460 Fax : 091-252346 email. sgiarc@ssgmce.ac.in
website : www.ssgmce.org

Date: 22nd April 2019
Shegaon-444203

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.Shubham Patkar** Final year student of Shri Sant Gajanan Maharaj College of Engineering has completed the project work titled "Receipt Generation by using BDC" satisfactory in the SGIARC, Shegaon, towards the fulfillment of the award of "Bachelor of Engineering(IT)" during the period Aug 2018 to March 2019.

Regards.

Dr. S. B. Patil
(Administrative Coordinator)

Received

22-04-19

Shri Gajanan Shikshan Sanstha's

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

SHEGAON – 444203, DIST. BULDHANA (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 |
| Website- www.ssgmce.ac.in | |

Electric Vehicle Lab: The Electric Vehicle Lab, outfitted with Trainer Kits for BLDC Drive, Simulators, Battery Management Systems, and a Solar-based Charging Station, offers students extensive hands-on learning experiences, fully immersing them in the realm of electric vehicles.

Students working in lab on e-vehicle

FAB Lab

A hands-on workshop on Fusion 360 and 3D printing was organized by Mechanical Engineering students at the FAB Lab, led by Prof. K.V. Chandan and Prof. N.G. More. The facilities at the FAB Lab served as an excellent hub for students.

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Event Coordinator **Faculty Name / Department** **/ Designation**	Prof. K.V. Chandan Faculty Advisor. (Asst. Prof. Mechanical Engineering Dept)
Target Participants	2nd , 3rd , 4th Year Students
O **Objective**	**Objective of the Event are following** • Navigate through the user interface of Autodesk Fusion 360 • Understand design process in Autodesk Fusion 360 • Create conceptual design and organic forms using T-Splines • Design mechanical parts using solid modeling tools • Create mechanical assemblies and motion studies • Create drawings and renderings • To aware students about future & opportunities for R&D/ designing for Engineer
O **Benefit in term of learning/skill/knowledge obtained** **(Benefit in term field is required)**	**Outcome of this event are following** After competition of this session participant are able to After competition of this session participant are able to • Engineer products with comprehensive 3D modeling and analysis tools. Ensure products' form, fit, and function.

	• Create and edit sketches with sketch constraints, dimensions, and a powerful suite of sketch tools.
	• After completion of the course, students will be able to design their product from idea to prototype.

Poster:

Over View Of The Program

The workshop on " Autodesk Fusion 360" was organized by IEI Mechanical Student Chapter and Department of Mechanical Engineering,SSGMCE . The presentation was delivered by Prof. K.V. Chandan (Asst. Prof. Mechanical Engineering Dept) SSGMCE Shegaon.

Around 35 students from Mechanical, department participated in the workshop. The workshop emphasized on the importance of CONVERGENCE OF DESIGN, ENGINEERING AND MANUFACTURING INTO A PRODUCT INNOVATION PLANNING.

The following points were described during the workshop

• Basic Introduction about the Autodesk software was given.

• Opportunity for students to showcase their design skills by solving design challenges posted by industry.

• Guided on how to create Autodesk student account, so that student can download any Autodesk software.

• Verification on Autodesk software is done with the instructions from the mentor.

• Basic features of Fusion 360 were shown and explained their functionalities.

• Connect industry and academia to provide students with an opportunity to be mentored by industry experts.

• The goal is to enable autonomous decision-making processes, monitor assets and processes in real-time, and enable equally real-time connected value creation networks through early involvement of stakeholders, and vertical and horizontal integration.

• Exposure towards use of advanced technology/design software to make design more feasible and faster.

To explore the power and simplicity of designing . This workshop was appreciated by all the students as they were able to add another skill in their technical skill set. The trainer Prof. N.G. More ,has given the mix of theory and practical knowledge of 3D printing, Stereolithographic, or SLA printers.

3D Printing is a form of additive manufacturing technology where a three dimensional object is created by laying down successive layers of material. It is also known as rapid prototyping, is a mechanized method whereby 3D objects are quickly made on a reasonably sized machine connected to a computer containing blueprints for the object. The 3D printing concept of custom manufacturing is exciting to nearly everyone.

Applications of Additive Manufacturing

- Prototyping
- Modelling
- Custom parts
- Design
- Research

The Workshop comes to an end after the Presentation session on 24th Dec 2022 . Not a single student "Miss the Boat" of this opportunity and learned new things which is also applicable for their academic and practical work.

Acknowledgements: We thank the SHRI GAJANAN INNOVATION AND ADVANCED RESEARCH CENTER , SSGMCE SHEGAON for supporting this workshop.

Attendence: Fusion 360

Sr no.	Name	Year/ Branch
1	SHUBHAM NIKALJE	4M
2	NIKITA VIJAY WARADE	2U1
3	SHREYA PRASHANT DHARMALE	2U2
4	VIKRAM SANTOSH NAGE	4M
5	AKASH SHALIGRAM THOTE	4M
6	NIVRUTTI SUDHAKAR SAMBARE	2M
7	ANIKET KALORE	4M
8	JITESH NAGARKAR	2M
9	SAYALI BAKAL	2M
10	TANVI VIJAY WAGHMARE	3M
11	OM JAGDISH DESHMUKH	2M
12	ROSHAN SANJAY VATPAL	2M
13	NITISH VAIDYA	3M
14	AKASH ENDOLE	2M
15	ANUSHKA SURESH SONTAKKE	2N
16	SHRUTI DHANRAJ AMALE	2M
17	SAKSHI GAJANAN DALVI	2M

18	PRACHI RATHI	2U2
19	SHREYA GHAYAL	2U2
20	GAUTAM DEVDATTAJI PHADNIS	2M
21	NILOVE NIRUPAM MANDAL	2M
22	SHIVRANJAN SANJAY KOLHE	2M
23	SAMPADA PALASKAR	2S
24	GAURI SUNIL RAUT	2M
25	PRAGATI TAYADE	3M
26	SHUBHANGI PRAKASH NIMBOLKAR	3M
27	ASHWINI MANOHAR KALASKAR	3M
28	PRATIK N.BOMBATKAR	2M
29	BHAVESH ADHAO	2M
30	BHAVANA SAWALE	2M
31	JAYASHRI SHELKE	2M
32	MAHESH JADHAO	2M
33	HARIOM PATALE	3M
34	RUPESH SHEMBEKAR	3M
35	ANKIT RAUNDALE	2M

Attendance: 3D printing session

SR. NO.	NAME	YEAR-BRANCH
1	SHUBHAM NIKALJE	4M
2	VIKRAM SANTOSH NAGE	4M
3	AKASH SHALIGRAM THOTE	2M
4	AKASH ENDOLE	2M
5	ROSHAN VATPAL	2M
6	SAKSHI GAJANAN DALVI	2M
7	GAUTAM DEVDATTAJI PHADNIS	2M
8	NILOVE NIRUPAM MANDAL	2M
9	SHIVRANJAN SANJAY KOLHE	2M
10	PRATIK N. BOMABTKAR	2M
12	BHAVESH ADHAO	2M
13	MAHESH JADHAV	2M
14	OM DESHMUKH	2M

Event Gallery :

➤ **Innaugration:**
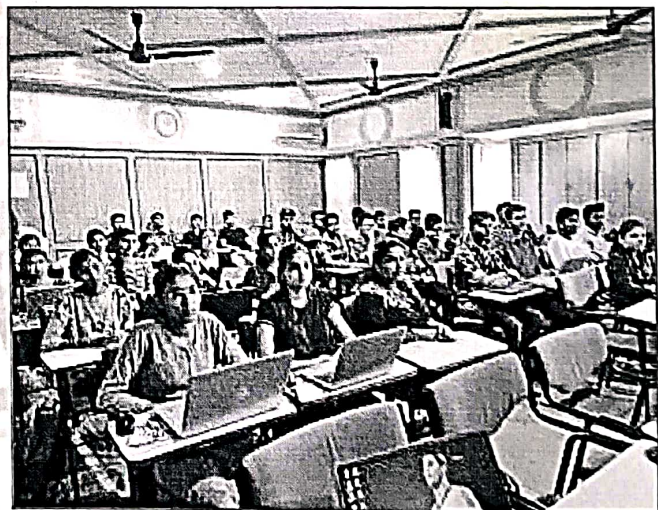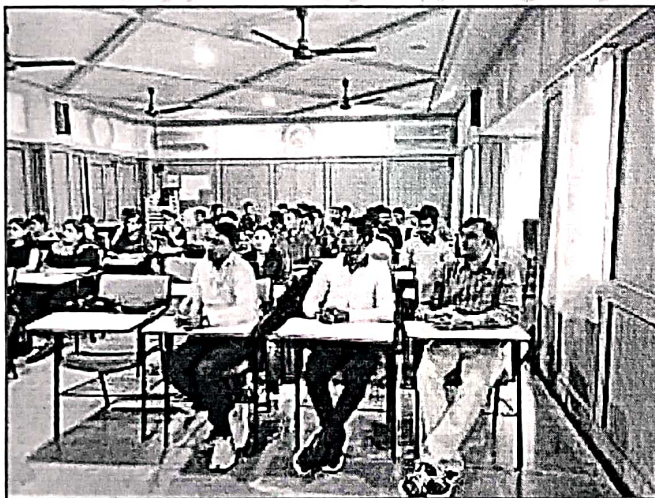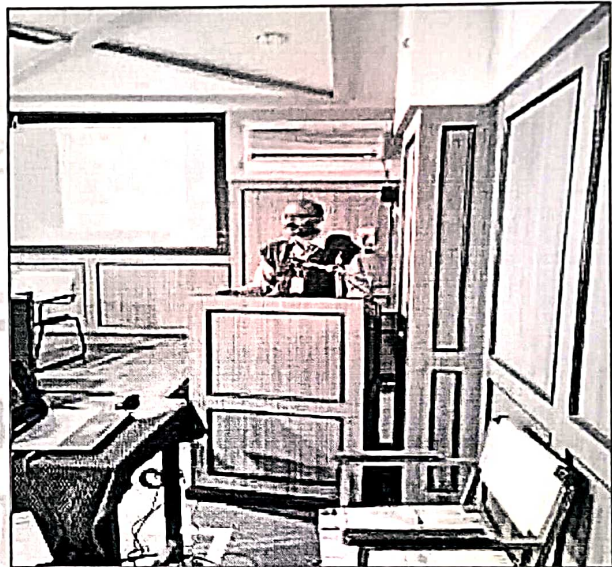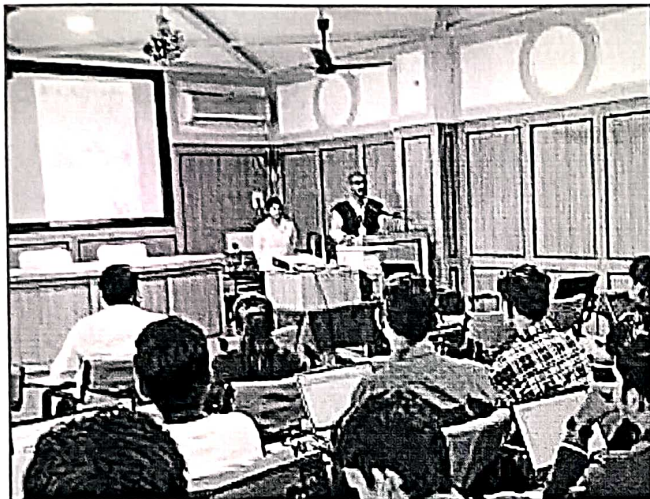
- **Fusion 360 workshop:**
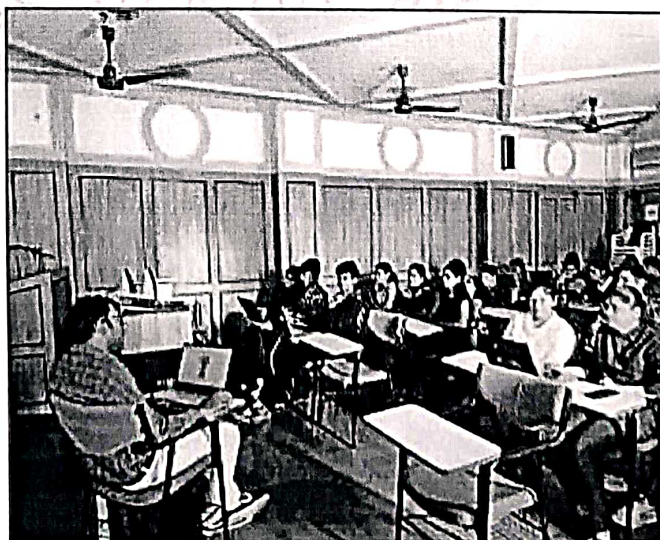
> **3D Printing session:**

• **Presentation session:**
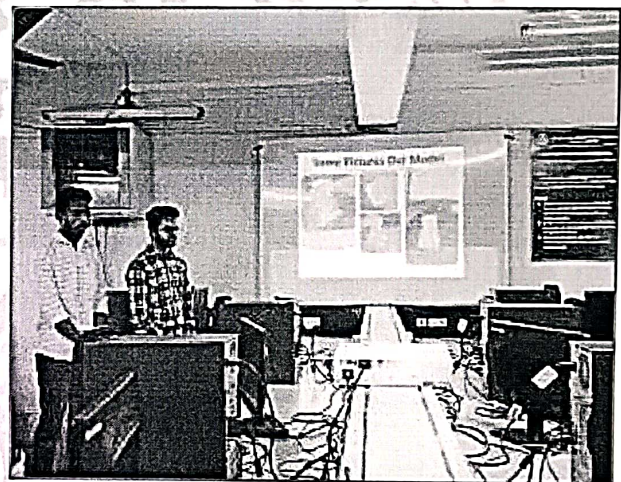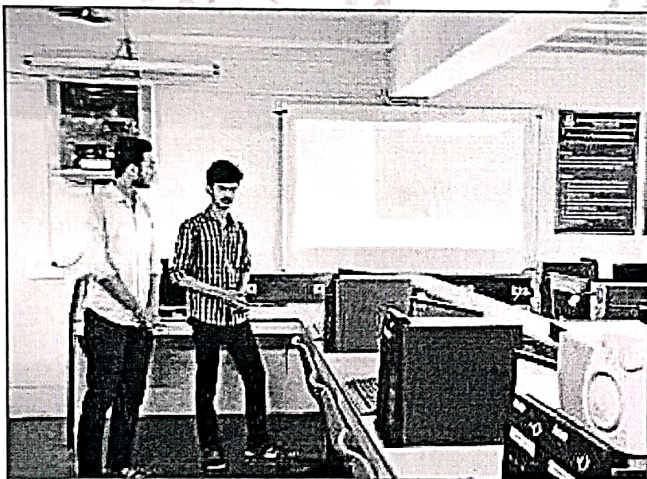
Presentation models / prototypes:
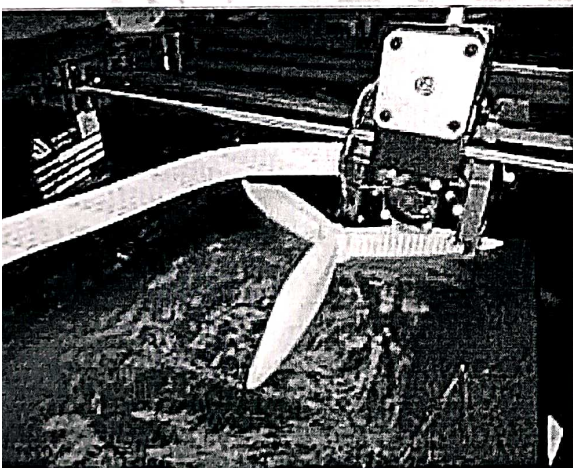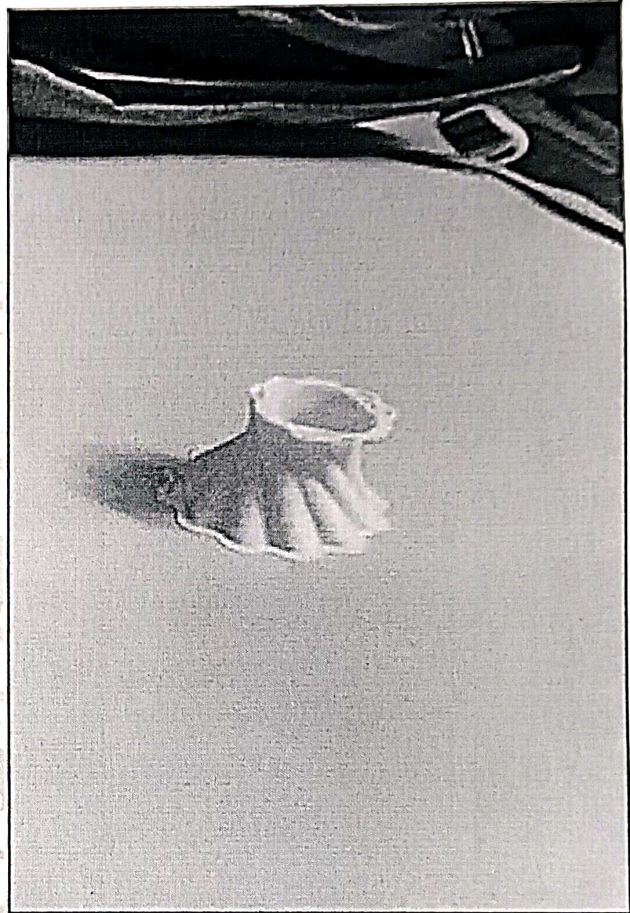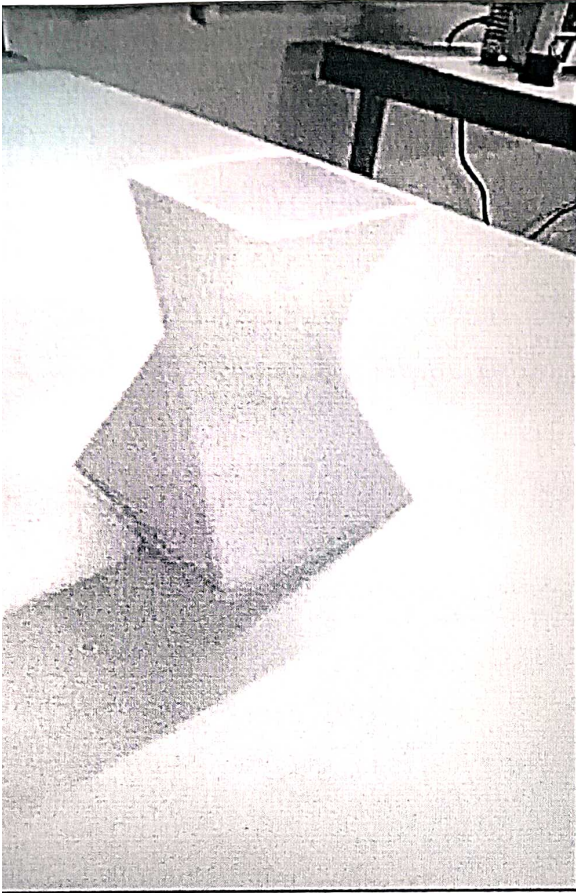
Riddhi Patil

Secretary

IEI Mechanical Student chapter

Prof. K.V.Chandan

Faculty advisor

IEI mechanical Student Chapter

Shri Gajanan Shikshan Sanstha's

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PLC Automation Lab:

A certificate course on PLC & Industrial Automation was conducted for Electrical Engineering students, featuring Mr. Sarang Thakare and Mr. Samir Chaure from Prolific Systems and Tech Pvt. Ltd., Nagpur, as the resource persons. The state-of-the-art facilities in the PLC Lab significantly enriched the students' knowledge base.

Students of Electrical Engineering Engaged in PLC & Industrial Automation Training

Shri Gajanan Shikshan Sanstha's

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

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Dr. Georg H Endress Laboratory:

The Dr. Georg H. Endress Laboratory boasts cutting-edge instruments dedicated to Pressure Measurement, Temperature Measurement, Flow Rate Measurement, and Level Measurement. Within this state-of-the-art facility, students actively engage in hands-on experiences, honing their skills in precision instrumentation and mastering various measurement technique

Demonstration of Flow Rate Measurement and Level Measurement Dr. Georg H Endress Laboratory

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

Project expos at SSGMCE, significantly support student-centric learning by fostering an environment that emphasizes active participation, independent thinking, and hands-on experiences. The project expo setting provides a platform for students to showcase how they addressed and overcame these challenges.

Electrical Engineering Students Demonstrating their Project

Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Department Of Electronics and Telecommunication Engineering

<u>(Report of Project Exhibition IIC and ISTE</u>

(Self Driven Activity)

07/01/2023

Name of the event:Program types	Electronics Projects Exhibition (Self driven Activity under IICand ISTE) By Department of Electronics and Tel Communication
Resource persons	Dr. M. N. Tibdewal Dr. R. S. Dhekekar Dr. B. P. Harne Dr. D. P. Tulaskar Mrs. A. D. Deshmukh
Academic year	2023-2024
Program Theme	Design Thinking Activity
Start date& End Date	07/01/2023
Duration of the activity (in hours)	3 Hours (8:30am to 12:30noon)
No. Participants	Students Participated - 130 Students Visited to Exhibition -100
Mode of session (online /offline)	Offline
Program driven by	IIC Self Driven Activities

Session recording link /offline venue **All Social media Link**	Venue : Electronics and Telecommunication Labs https://www.instagram.com/ecell.ssgmce/#
Event Coordinator **Faculty Name/Department /Designation**	Dr. M. N. Tibdewal and Dr. R. S. Dhekekar Professors Electronics and Telecommunication Engg. Department
Target Participants	First, Second and Third Year Students
Objective **Benefit in term of learning/skill/knowledge obtained**	**Objective of this Workshop as follows** • To aware students about Electronics Circuit development and applications • Motivate students to design electronics Circuit using sensors and processors • To understand Electronic circuit for need base solutions **Outcome of this event are following** After competition of this activity participant are able to • To understand the operating principle of sensors and actuators • Students are able to explain their work. • They have learned presentation Skill • Students have developed some confidence to design electronics projects.

Overview of the program:
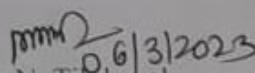
Department of Electronics and Telecommunication Engineering Shri Sant Gajanan Maharaj College of Engineering, Shegaon in association with ISTE and Institute Innovation Council has organized Electronics projects exhibition for second year students of Electronics branch only. Total 130 students participated in the mention exhibition. Complete project building activity took place for one and half months by providing idea and need base Electronics projects to the 3 to 4 students in a group. Design and selection of Electronics components has been finalized with Dr. B. P. Harne and Dr. D. P. Tulaskar has motivated the students to implement mini electronics based project and some constructive ideas used for real time implementation as well as need based electronics project. Based on the different criteria above faculty has distributed circuits idea to implement electronics projects to the groups of students.

The project exhibition has started at 9:30am in all electronics department labs. Expart committee headed by Prof. V. N. Bhonge, Dr. P. R. Wankhade and Mr. K. T. Kahar evaluated the projects groups and sort-out best three project group among all groups. The selected best projects are allowed to participate in Alumni project exhibition which was held on 14th January2023.
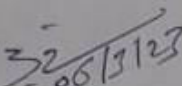
Dr. S. B. Somani Principal, Dr. S. B. Patil IIC Chairman, Dr. M. N. Tibdewal Head of Department, Mr. Piyush Dhalke Convener of IIC and Dr. R. S. Dhekekar Member of IIC Visited and inspected all projects groups. First year all branches students visited the exhibition up to 12:30noon. Breakfast and tea also provided to all 130 participants. Vote of thanks has been given by Dr. R. S. Dhekekar IIC member.

Dr. R. S. Dhekekar

IIC Member

Dr. S. B. Patil

IIC Chairman

Dr. M. N. Tibdewal

Head of Department

EXTC Students demonstrating their project work to Principal Dr S.B.Somani

Glimpses of Project Exhibition

Notices

SSGMCE, Shegaon

Department of Electronics and Telecommunication Engineering

Date : 05.01.2023
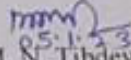
All students of 2U1 and 2U2 are hereby informed that your **Miniprojet** exhibition is scheduled on 07/01/2023(Saturday). It is mandatory for all the students to present your mini project in exhibition. **Miniproject** presentation are arranged as shown in table below :

schedule time : 9.30 am sharp.

Class	Batch	Allotted lab
2U1	A	ADC lab
	B	ADC lab
	C	CE lab
	D	Departmental library
2U2	A	E/Wslab
	B	ME lab
	C	PE lab
	D	PE lab

Dr. B. P. Harne/Dr. D.P. Tulskar

Subject Incharge

05.1.23
Dr. M. N. Tibdewal

HOD

Copy to:

1. Hon. Principal Sir for kind information & for your graceful presence.
2. All EXTC faculty members.
3. Lab Incharge / Lab assistance for necessary arrangements in concern labs.
4. Notice Board of 2U

Attendance :

SSGMCE, Shegaon
Department of Electronics and Telecommunication Engineering
Attendance Roll List For : 2U2

Project Exhibition

Date :07/01/2023

Roll_Number	Student_Name	Signature	Remark
1	KU. AKANKSH VISHWAS TALE		
2	KU. ANUJA SUNIL LANDE		
3	KU. ASHWINI RAMKRUSHNA POHARE	A.R. POHARE	
4	KU. DIPALI NANDESH THOKAL		
5	KU. DNYANESHWARI TEJRAO NILE		
6	KU. GOURI SANTOSHKUMAR BHOJPANT		
7	KU. JYOTSNA VIJAY SONDKAR		
8	KU. KALYANI GIRISH DHONDE		
9	KU. MADHAVI SUHAS GAWAI		
10	KU. MAYURI JANRAO MAHALE		
11	KU. MRUNALI MANOHAR KARAD		
12	KU. NISHA SUNIL PIMPLE		
13	KU. NIVEDITA VIVEKANAND SUGANDHI		
14	KU. PRACHI MANOJ RATHI		
15	KU. PRANJAL JITENDRA PHIRKE		
16	KU. RAJSI DEVENDRA SHAH		
17	KU. ROSHANI ANANT BORLE		
18	KU. RUCHA SANJAY CHIWHANE		
19	KU. SAKSHI ANAND OZA		
20	KU. SAKSHI ANIL CHOPADE		
21	KU. SAKSHI PRAMOD NAGALKAR		
22	KU. SAMIKSHA ANIL WAGH		
23	KU. SAMRUDDHI RAJESH SAWARKAR		
24	KU. SHREYA PRASHANT DHARMALE		
25	KU. SHREYA RAMKRISHNA GHAYAL		
26	KU. SHRUTI DASHARATH AOTE		
27	KU. SRUSHTI SANJAY BABHULKAR		
28	KU. SRUSHTI SUNIL RINDHE		
29	KU. TANYA PRADIP NARDANGE		
30	KU. TATHEER FATEEMA ASHFAQUE ALI JAFRI		
31	KU. VAISHNAVI ARUN GIRHE		
32	KU. VAISHNAVI PRABHAKAR SHEJOLE		
33	KU. VAISHNAVI VASANT GAIKWAD		
34	ABHAY SANJAY SHARMA		
35	ABHISHEK BHIMRAO DHORAN		

36	ADESH SANJAY ABHYANKAR	
37	ADITYA RAJ	
38	ADITYA RAJENDRA RAUT	
39	ADITYA RAJMOHAN PANDAV	
40	ADITYA VINOD TAK	
41	AKSHAY PRAKASH GHAYAL	
42	AMIT GAJANAN RISODKAR	
43	ANURAG SANTOSH JADHAO	
44	ARJUN SANJAY WARHADE	
45	ASHISH BALAJI JADHAV	
46	ATHARVA GAJANAN RAUT	
47	AYUSH RAJENDRA MISHRA	
48	GAJANAN BHARATRAO DUDHATE	
49	GAURAV SANJAY LOHAKPURE	
50	GAURAV VIJAY VYAVAHARE	
51	HIMAGRA DEVENDRA TURKAR	
52	ISHWARCHANDRA GOPAL TIKAR	
53	JATIN RAJESH SONI	
54	MANGESH TULSHIRAM GHORADE	
55	MAYUR NARENDRA BORLE	
56	NIKHIL ANIL ZALTE	
57	PRANAV RAVINDRA KHELDAR	
58	PRASAD SURESH DESHMUKH	
59	PRATHAM RAJKUMAR KALE	
60	SAHIL PANDURANG MATHURKAR	
61	SARVESH VIJAY SONAWANE	
62	SHREYASH PAVAN WARGANTWAR	
63	SHRIPAD MANOJ CHORE	
64	SOJWAL VINAY BORALE	
65	SUMIT GANESH DHAGE	
66	SWAPNIL VINOD TATHE	
67	TANAY VIJAY TAPARE	
68	TEJAS SANTOSH KALE	
69	VISHAD JITENDRA PANDAV	
70	VIVEK SANDIP NARKHEDE	

71 Nikita keshaw Hiralkar.
72 Devanshi Arunrao Jagtap
73 Shubham Babanrao Gihuge.
74 Yash Dinkar Dalal.
75 Ankita Arjun Naughare.
76 Bhakti Vijay Bar

SSGMCE, Shegaon
Department of Electronics and Telecommunication Engineering
Attendance Roll List For : 2U1

Project Exhibition

Date : 07/01/2023
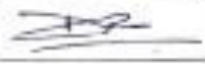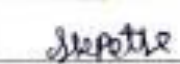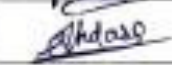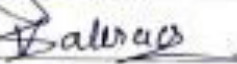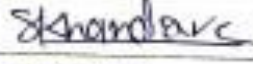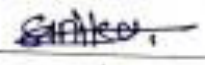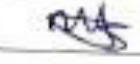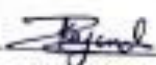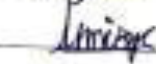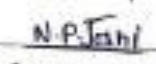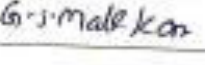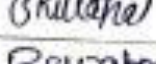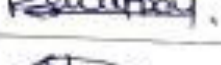
Roll_Number	Student_Name	Signature	Remark
1	KU. ADITI SANTOSH DHAGE		
2	KU. ANKITA MAHADEO MORE		
3	KU. BHAKTI SURENDRA INGLE		
4	KU. BHUMIKA GULABRAO DESHMUKH		
5	KU. DHANSHRI ANIL VADE		
6	KU. DIVYA DEVENDRARAO SOMVANSHI		
7	KU. DOLLY RAVIKUMAR ISRANI		
8	KU. ISHA SANJAY DESHMUKH		
9	KU. MADHAVI JUGANRAO MAHABUDHE		
10	KU. MAITHILI UMESH RAUT		
11	KU. MANSI AJAY AGRAWAL		
12	KU. MINAL NAGORAO INGLE		
13	KU. NIHARIKA NIKHIL DAGAONKAR		
14	KU. NIKITA VIJAY WARADE		
15	KU. PRACHI AVINASH UNTAWALE		
16	KU. PRANJAL DILIP CHAVAN		
17	KU. PRANJALI VITTHAL BHAMBERE		
18	KU. PRAVARA GOPAL NEMADE		
19	KU. RASHMI GANESH UNTWAL		
20	KU. RAVINA PRAKASH WAHANE		
21	KU. RUCHITA RITESH AGRAWAL		
22	KU. RUNALI RAJENDRA BHALKAR		
23	KU. SAKSHI DAYANAND DANDALE		
24	KU. SAKSHI SANTOSH SURADKAR		
25	KU. SANCHITA SHAILESH INGLE		
26	KU. SANIKA MURLIDHAR KADU		
27	KU. SANJANA ISHWAR THOOL		
28	KU. SHRADDHA DILIP AMALKAR		
29	KU. SHRADHA SANTOSH GAWANDE		
30	KU. SHRAVANI DILIP TIKAR		
31	KU. SMRUTI DNYANDEO GANGANE		
32	KU. SRUSHTI GAJENDRA NAPHADE		
33	KU. TEJASHRI RAJESH SAWARKAR		
34	KU. TEJASWI ANIL DESHMUKH		

35	KU. VAISHNAVI SANTOSH AWATE	
36	KU. VAISHNAVI SUNDARRAO LANDAGE	
37	KU. VANSHIKA RAJESH PATNE	
38	ABHISHEK RAJENDRA SHELKE	
39	ADITYA VIJAY DEOGIRKAR	
40	AKSHAY SHAILENDRA TAPARE	
41	ANIRUDDHA JAGADISH TAYADE	
42	ANURAG KAILASH BIYANI	
43	ARPIT GAJANAN TAYADE	
44	ARSHADMATIN ABUKALAM SHAIKH	A.A.Shaikh
45	ASHISH SANTOSH LICHODE	Nichade
46	ASHUTOSH KAILASH DESHMUKH	
47	AVISHKAR RAJARAM BORKAR	
48	CHANDRAKANT VISHNUDAS JEDGE	
49	GAURAV MOHAN BUNDE	Bunde
50	GOVIND ASHOK DHANDE	
51	JAY ASHUTOSH OAK	
52	KAPIL ARVIND PANCHPUTRE	
53	KRUSHNA SANJAY MAHALLE	
54	MARUF YAKUB SHAIKH	M.Y.Shaikh
55	OM GAJANAN INGLE	Ingle
56	PRANIL DILIP BODADE	
57	PRATAP ANANT DESHMUKH	
58	PRATHMESH GANESH FANDALE	@fandale
59	RAM PRADIP BHOLE	
60	RUTVIJ RAMKRISHNA HIWRALE	
61	SACHIN LAXMANRAO SATPUTE	
62	SAMRAT BHAIRULAL RATHI	
63	SANCHIT BALU THAKARE	Thakare
64	SHAILESH VIJAYRAO DESHMUKH	
65	SHRIKANT GANESH DONGARE	
66	TAPESHSINGH SANJAYSINGH GOUR	Gaur
67	VAIBHAV GAJANAN SHIRBHATE	
68	VISHAL RAJESH DESHMUKH	

70] Divya Wadhe — Wadhe
71] Gauri.V.Mhaisne — Gmaisne
72] Khushi S. Ageawal — KAgeawal
73] Shantanu Dilip Nagpure — Nagpure
74] Roshan V. Dobe — Dobe
75] Prajwal S. Dabre — Da

ISTE SPONSRED MINI PROJECT EXIBITION ON DATED 07/01/2023

SN	Name of Visitor	Branch	Sign
1	Dr Santosh B. Patil	CSE	9/1/23
2	Prof P.A. Dalke	Mech	
3	Dr. R. A Zamare	CSE	RA
4)	Soham k Petke	IM	shpette
5)	Devendra A Suwalete	IM	
6]	Suryamchandra S. Khadse	TM	Khdase
7]	Anurag V. Fulmali	1U2	Anurau
8)	Bobby Chaudhoury	2N	
9)	Riddhi Patil	2M	
10]	samiksha Daberao	EXTC 1U1	Balerao
11)	Pratiksha S. Nachane	1U1	pratichane
12]	Asha. B. Jangid	1U1	Asha
13)	sachin S. Khandare	1U2	Skhandare
14)	Sanika Mahendra sakle	1U1	Saritee
15)	Vishakha Ganorkar	1R	
16)	Kalyani P. Kayande	1-R	Kajand
17)	Vaishnvi S. Mirge	1M	Mirge
18)	Neha P. Joshi	1U1	N.P.Joshi
19)	Gauvi S malekar	1U1	G.S.malekar
20]	Renu Bagdiya	1U2	
21)	Smita Walpal	25	Kulaher
22)	Roshan Vatpal	2M	Reuntpal
23	Sandip Darwadkas	Industry	

Director - S/o
Betacomputronics
Nagpur
Person.

MELab

ISTE SPONSRED MINI PROJECT EXIBITION ON DATED 07/01/2023

SN	Name of Visitor	Branch	Sign
1	Anuray V. Fulmali	1U2 EXTC	Anfulmali
2	Vedant A. Pawar	1U1 EXTC	
3	Atharva Nimbhe	1U1 EXTC	AN
4)	Krushna D waghmare	1U2 EXTC	Qwaghmare
5)	Manas D. Pohnekar	1U1	Manas
6)	Pratik patil	1U1	Patil
7)	Chandan Kasnari	1U1	
8)	Krushnagopal Agnihotri	1U1	K.D.Agnihotri
9)	Pratik tayde	1U2 (EXTC)	
10)	om Raut	1U2 (EXTC)	Raut
11)	Sakshi G. Kakumb	1U2 (EXTC)	
12)	Janhvi J. Vokuwar	1U2 (EXTC)	skokwa
13)	Saniya N. Sagare	1U2 [EXTC]	sagare
14)	Dhanashri M. Borde	1U2 [EXTC]	
15)	Girish J. Sanuse	NI (IT)	Sanuse
16)	Srushti R. Dabhade	1U2 [EXTC]	Sabhade
17)	Sakshi S. Satao	1U2 [EXTC]	S.S.Satao
18)	Saurabh K. Gaikwad	1U2 [EXTC]	Sarabh K.g
19)	Peanjali P. Dumdhere	1U2 [EXTC]	Dpumelb
20)	Ku. Rutuja P. Bansod	IT IN	
21)	sonu P. Rekhate	Mech 1st	Rekhate

MELab.

ISTE SPONSRED MINI PROJECT EXIBITION ON DATED 07/01/2023

SN	Name of Visitor	Branch	Sign
1.	Sunika Manordar Sakle	EXTR 1U1	Saniko
2	Vishakha Ganorkar	ESE IR	AA
3.	Vishnui & Miege	Mech 1M	Jsmeye
4.	Kalyani P Kayande	CSE 1-R	Kafunel
5.	krushna S. Agrawal	+U 2	brawal
6	Nikhil - D Junare	1u2	
7	Renu Bagdiya	1U2	B.
8	Neha P. Joshi	1U1	N.P.Joshi
9	Gauri - S malekor	4U1	G.S.Malekar
10	Bobby Thandhaucy	2 N	
11	Ridelli Patil	2 M	
12)	Chaitali Nakhate	2R	Chadas
13)	Punam Motewr	2R	Pera
14)	Saniya Mulay	1U1	Snulay
15)	Siddhi S Baspus	1U1	
16)	Radhika Anil Jhakare	1U2	Anakaul
17)	Shipeteshurall.Nisanjan.blanke	1U2	
18)	Rutuja Ganash Pawar	2N	
19)	Samitsha vijay Dabepao	1U1	
20)	Pratiksha S. Nachane	1U1	
21)	Astha. B. Jangid	1U1	Bjangid
22)	Hariom .V. Pandkar	1U2	
23)	Mukund V. Atram	CSE 1-R.	Atram
24)	Atharva T. Wankhad.	1U2	

ISTE SPONSRED MINI PROJECT EXIBITION ON DATED 07/01/2023

SN	Name of Visitor	Branch	Sign
1.	Pratik Tagde	(1U2) EXTC	
2.	OM Raut	(1U2) EXTC	
3.	Peajual Sangle	(1U2) EXTC	Bangle.
4)	Pragod Borkar	(1U2) EXTC	PRBo
5)	Chetan Tibal	4tt	Chtaut ..
6]	Ayush u. Aedali	(1U1) ExTc	
7)	Krishna S. Agrawal	(1U2) EXTC	
8)	Aman H. Kodwani	(1U2) EXTC	PU
9)	Sachin S. khandare	(1U2) EXTC	Skhandare
10)	Renu Bagdiya	(1U2) EXTC	
11)	Neha P. Joshi	1U1 EXTC	N.P.Joshi
12)	Gauri S Malekan	1U1 EXTC	G.S malekan
13)	Roman Pachkhede	1U1	
14)	Gopal M. Kela	1U1	
15)	Prem R. Suryawanshi	1N	Prem
16)	Amey J. Joshi	(1U2) EXTC	
17)	Chandan S. Karnani	(1U1) EXTC	Karnani
18)	Hrishikesh M. Kalcade	(1U2) EXTC	m.colcade
19)	Aditya V. Gadmale	1N -IT	Ad.
20)	Pratiksha S. Nachane	1U1	Fnachane
21)	Samiksha·V· Dabesar	1U1	Kalra
22)	Asha·B. Jangid	1U1	Jangid
23)	Akshay·S. Pahurkoe	1U2	Pahurloe

ISTE SPONSRED MINI PROJECT EXIBITION ON DATED 07/01/2023

SN	Name of Visitor	Branch	Sign
1)	Chetan Tidam	1U2	Chtay.
2)	Aajwal Sangle	1U2	Bagle.
3)	Prasad Botkar	1U2	PR-Bot
4)	krushna S. Agrawal	1U2	Agrawal
5)	Aman H. Koduani	1-U2	QW.
6]	Ayush U. Aedar	1-U2	Aedar
7)	sachin S. Khandare	LU2	Khandare
8)	Pratiksha S. Nachane	1U1	natchen
9]	Samiksha 'V. Daberao	1U1	Dalva ..
10]	Asha. B. Jangid	1U1	Rangid
M)	Sanika Mahendra sakle	1U1	sanika.
12)	Gargi sandip Bawner	1U1	Baymer
13)	soham Abhay Bhse	1U2	Bhes
14)	Abhijeet R Londe	1U1	ALonde
15)	Akshay. S. Pahu-rkae	1U2	Pahuekae
16)	Prerag. V. Fulmali	1U2	Drenany
17]	Saurabh K. Gaikwad	1U2	Gaikwad
18)	Gouri M. Mankar	1U2	Gman.
19)	Gargi Bonasate	1U2	GB
20)	Shraddha Gupta	1U2	Scupta..
21)	Yash S. Raut	1U1	yapu
22)	Prashant. Palhade	1U1	A
23)	Trushabh. Hande	1U1	Hande

ISTE SPONSRED MINI PROJECT EXIBITION ON DATED 07/01/2023

SN	Name of Visitor	Branch	Sign
24)	Sahil B. Khandare	ExTC 1U₂	Sahil
25)	Shubham. S. Suradkar	ExTC 1U1	Sukham
26)	Akshay S. Pawar	ExTC 1U1	Pawag
27)	Prem P. suryawanshi	1N	Prem
28)	Raman G. pachkhede	1U1	
29)	Amey joshi	1U2	AYK
30)	Gopal Kela	1U1	Gkel
31)	Neha P. Joshi	1U1	N.P.Joshi
32)	Gauri. S. Malekar	1U1	G.S.malekar
33)	Renu Bagdiya	1U2	R
34)	Tejal R. Bahirde	1U1	Bahirde
35]	Prerana. S. Naphade	1U1	Prerana
36)	Divya Wadadkar	1R	DWadadkar
37]	Renuka G. Gorve	1U1	Gor
38)	Sakshi V. Bhosle	1M	Sau
39)	Priyanka Tarwate	1P.	PB
40)	Aditya Godmale	1N-IT	Adi
41)	Mishwesh M. Kokode	1U2	Kokode
42	Sruthka A Vir	1U2	Sruti
43	protiksha s. Dushehuan	1U2	Su
44	Bobby chowdhary	2N	
45	Roddhi pawar	2M	R

ISTE SPONSRED MINI PROJECT EXIBITION ON DATED 07/01/2023

SN	Name of Visitor	Branch	Sign
24	Soham Abhay Bhdi	EXTC IU_2	Bhos
25	Akshay. S. Pahuskya	EXTC 4Ue	Jahiskue
26)	Gauri M. Mankar	Extc U2	Gaun
27	Renu Bagdiya	EXtc U_2	B.
28	Gauri Malekon	ExTC4U1	G.smalekan
29	Neha P. Joshi	ExTC $1U_1$	N.P.Joshi
30	Prem R. Suryawanshi	It 1N	Bu.
31	Raman Pachkhede	1U	B
32	Amey joshi	1U2	Asstr
33	Gopal.M.Kela	1st Extc $1U_1$	Cuela
34	Eoijwal J. Sangle	1U2	Bangle
35	Chetan Tidaue	1U2	Chtu.
36	Prasad Botkar	1U2	P.R.Ber
37	Anuosa Fulmali	1U2	Anueus
38	Georgi Banarase	1U2	GB
39	Shraddha Gupta	1U2	DGupta
40	krushna S. Agrawal	1U2	Braw
41	Hurshikesh m. Kakode	1U2	Oikcod
42	Aditya Y. Godmale	1N I+	AH
43	Sachin S. Khandare	1U2	Skhandare
44	Tejal R. Bahinde	1U1	Bahinde
45	Prerana. S Naphade	1U1	Perrana
46	Aaditya R. Auachat	1U2	Doughth.

ISTE SPONSRED MINI PROJECT EXIBITION ON DATED 07/01/2023

SN	Name of Visitor	Branch	Sign
1.	Gargi S. Bawner	EXTC 1U1	
2.	Sanika Mahendra sakte	EXTC 1U1	Sunika.
3.	Samiktha .V. Dabecao	EXTC 1U1	
4.	Asha . B Jangid	EXTC 1U1	Rangid
5.	Pratiksha S. Nachane	EXTC 1U1	
6.	Yash S. Raut	EXTC 1U1	
7.	Sahil .B. Khandare	ExTC 1V1	
8.	Toushabh S. Hanule	ExTC 1U1	Hanule
9.	Shubham. S. Suradkar	ExTC 1U1	
10.	Akshay S. Pawar	EXTC 1U1	
11.	Prashant Dalhade	ExTc 1U1	
12.	Chandan S. Karmani	EXTC 1U1	
13.	Manas Pohnerkar	ExTC 1U1	
14.	Pratik Patil	EXTC 1U1	
15.	Khushru Gopal Agnihotri	ExTC 1U1	K.P.Agnihotri
16.	Sakshi Santosh Sadao	1U2 EXTC	S.S.Sadao
17.	Srushti Ravindra Dabhade	1U2 EXTC	Dabhade
18.	Pranjali Prakash Damdhae	1U2 EXTc	Damab
19.	Ku. Rutuja P. Bansad	1N IT	
20.	sonu .p. Rekhate	1 Mech	Rekhate
21.	Saurabh K. Gaikwad	EXTC -1U2	
22.	Shripad G. Ingle	EXTC-1U2	
23.	Abhijeat R Lande	EXTC 1U1	

ISTE SPONSRED MINI PROJECT EXIBITION ON DATED 07/01/2023

SN	Name of Visitor	Branch	Sign
97.	Chaitali Sanjay Nakhate	2R	Quitli.
98.	Punam R motewar	2R	Amataex
49	Bobby Choudhary	2N	
50.	Riddhi P. Patel	2M	DRUP
51	Srushti V. Gadakh	1U1	Ga
52.	Sakshi. G. Dadgal	1U1	Sgadadgal
53	Aditi Pote	1U1	APote.
54	Ambika Patil	2N	Pambika
55.	Rutuja G. Pawar	2N	Gawr.
56.	Vaishnavi P. Shejole	2U2	Shejole.
57.	Aditya Tak	2U2	Tak
58.	Sakshi Nagalkar	2U2	Naglkr
59.	Akanksha. Tale.	2U2	Atale
60.	Sachin Sorfpule	2U1	Subate
	Arshad Sheak	2U1	
	Govind Dhande	2U1	

ISTE SPONSRED MINI PROJECT EXIBITION ON DATED 07/01/2023

SN	Name of Visitor	Branch	Sign
1	Dr. S B Somani	Principal	
2.			
3.			

Shri Gajanan Shikshan Sanstha's

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
SHEGAON – 444203, DIST. BULDHANA (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 |
| Website- www.ssgmce.ac.in | |

Students Chapters/ Clubs

Students Chapters at SSGMCE significantly contribute to student-centric learning by offering platforms for active engagement, skill development, and real-world application of knowledge.

By organizing guest lectures, hands-on workshops, Symposium, student chapters provide valuable opportunities for students to apply theoretical knowledge in practical settings. Collaborative projects and skill competitions further enhance teamwork and critical thinking skills

Various student chapters and clubs functioning at SSGMCE encompass a diverse range of interests and disciplines.

IEEE	MESA
ISTE	ESSA
E-CELL	ITSA
SAE	NSS
Team-Xtreme	UBA
IEI(Mechanical)	Cultural Council
IEI (Electrical	e-Tatwadarshi
ACM	Google Developer Student Club
CSESA	Mozilla Club

PRINCIPAL
Shri Sant Gajanan Maharaj
College of Engineering,Shegaon.

IEEE Students' Branch Report
2022-23

IEEE students Branch and WIE Affinity group organized a STEM workshop on Basics of Electronics for School students on 19th and 20th August 2022. 50 Students from Shri Sant Gajanan Maharaj English School and G. B. Murarka High School participated and learn the basics of electronics. Basic electronics components kit distributed to the students.

IEEE students Branch and Robotics and Automation Society Chapter Two Days workshop on Robotics - Robovision on 11th and 12th February 2023. Total 38 Students successfully completed the workshop.

IEEE students Branch organized a workshop on calculator "**Chasing Calsi**" on 17th December, 2022 for first year students. Total 150 students participated and understand how to use calculator for engineering and scientific calculations.

IEEE WIE Affinity Group in collaboration with IEEE Bombay Section under the series of Shakuntala Bhagat Lecture Series conducted Guest Lecture on "Law and Woman" by Adv Rajani Bawaskar, on 2nd March 2023 on the occasion of International Women's Day.

On the occasion of Engineer's Day, 15th September 2022, a guest talk was organized on "Journey through Einstein's Brain" by Dr. Mukund Moharir, Retd. Aerospace Scientist/Engineer NASA.

IEEE students Branch and Robotics and Automation Society Chapter organized Two Days Workshop on "Circuit Simulation and Arduino Programming Workshop" on 1st and 2nd October 2022. Total 32 students participated and successfully completed the hand-on workshop.

IEEE students Branch in collaboration with Indian Physics Association (IPA) and IEEE Bombay Section organized an IPA colloquium on topic Particle Accelerator technology for Radiotherapy and Hadron Therapy by Dr. Tanuja Dixit, Senior Scientist, Society for Applied Microwave Electronics Engineering & Research (SAMEER) Mumbai.

IEEE students Branch organized "Greet and Meet" program on 1st March 2023 with all the IEEE student members for networking and understanding working with IEEE Committee.

IEEE Students' Branch has hosted "Technovation-2023" - a Project Competition organized by Student Activities Committee, IEEE Bombay Section on 8th April 2023. Technovation - 2023 was a project competition and exhibition aimed at undergraduate students and teams. There were total registration of 39 project groups registered and participated in the competition. Mr. Anand Gharpure, Chair IEEE Bombay Section and Dr. Jayant Joshi, Government Polytechnic Nashik were present as Chief Guest as well as Evaluators for the competition. Dr. S. B. Patil, Head Computer and Science and Engineering, SSGMCE also assisted as an Evaluator.

IEEE Students' Branch has organized National Students' Conference on Innovations in Rural Development on 20-21 April 2023 in Online and Offline mode. The conference was financially sponsored by IEEE Bombay Section. The technical tracks for the conference was Agriculture and Farming, Water and Sanitation, Healthcare and Nutrition, Energy and Environment, and Education. It has received overwhelming response from research community and total 125 research papers received for review process. Out of 125, 50 papers were selected for presentation and publication. Dr. Shashikant Sadistap, Chief Scientist, CSIR-CEERI Pilani has delivered a keynote talk on E-agriculture: Digital Technology in Rural Development on 20th April 2023. Dr. Gulab Singh, Centre of Studies in Resource Engineering, IIT Bombay has delivered a keynote talk on "Radar Polarimetry and applications" on 21st April 2023. There were total 18 session chairs evaluated the research papers presented in eight technical sessions.

Conference Photos:

Technovation Photos:
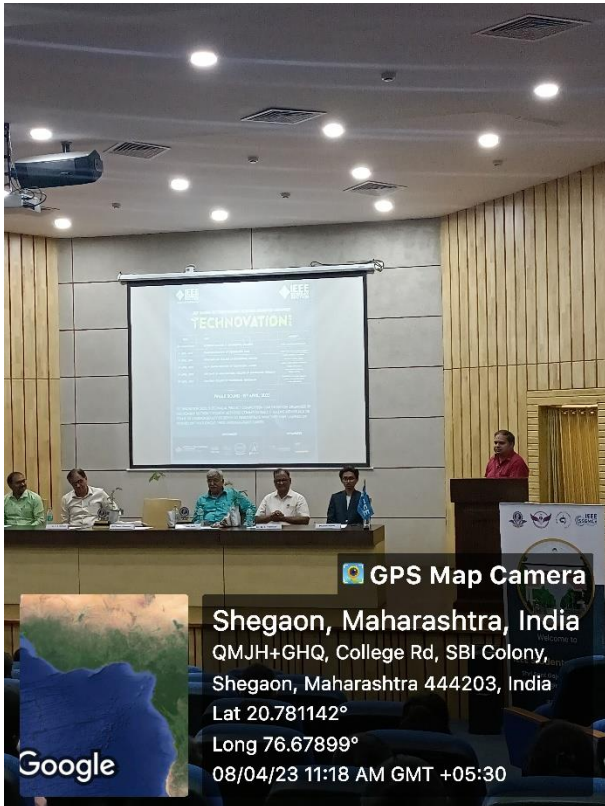
STEM Workshop Photos:

Technovation Finale at Kopargaon:

Group photo during TECHNOVATION-2023

Shri Gajanan Shikshan Sanstha's
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Website- www.ssgmce.ac.in

IEI Mech Student's Report

Institute of Engineer's India, SSGMCE Mechanical Engineering student chapter is a student body of Mechanical Engineering students which runs under the Prof. K V Chandan as faculty advisor and Atharv Kute as student Convener. IEI is a charter body of Govt. of India, established in 1935 and runs students chapters in entire country in various technical capmuses and holds various curricular and co-curricular activities such as Students conferences, quizzes, expert talks and many more social and student focused activities. This Year chapter kicks session with "Tree Plantation Drive on August 15, 2022 participating 30 students organized by Shegaon Municipal Corporation and Go Green Foundation Shegaon. The CEO of the Shegaon Municipal Corporation, Ms. Jayshree Katkar, was the guest of honor.

On the eve of engineers day, an expert talk on Journey through Einstein's Brain was held on September 15, 2022 by Dr. Mukund Moharir, a scientist/engineer at NASA, addressed more than 80 faculty and staff members of SSGMCE about the journey of Einstein's theory of relativity. Session on GATE Exam Awareness & Preparation Strategy on September 30, 2022 by Prof. K V Chandan of SSGMCE conducted a session on GATE exam awareness and preparation strategy for 45 students. Two-Days Hands-On Workshop on Web Development on October 1-2, 2022 by Abhishek Gawali and Nikhil Babhulkar and Workshop on Fusion 360 for 3D Printing on November 26-27, 2022, and December 3, 12, 2022by Prof. K V Chandan and N G More of SSGMCE enhances the knowledge of interdisciplinary students in web developments and 3-D printing. Expert Talk on Expectation of Engineers from Industry - January 3, 2023 by Jagdish Wadhokar and Mr. Parsnis gave an expert talk on the expectations of engineers from the industry, which was attended by 50 students. Webinar on Boundary Layer Theory - January 4, 2023 by Dr. Sagar Agnihotri of UPASLA, University Sweden, conducted a webinar on boundary layer theory, which benefited 2M and 3M students. SCIENTICA: A science day competition was held on February 28, 2023, featuring a science-based movie and competition provides insights into the work of a renowned scientist and served as a source of inspiration for aspiring scientists and engineers. Expert Talk on Opportunities for core Engineering Students in Power Sector on March 27, 2023 by Mr. Atul Kumar Bhole, Chief Superintendent at Kakrapar NPP, NPCL, Gujarat, attended by 3M and 4M students, along with faculties from Mech and Elect departments.

Mechscout, which is a treasure hunt event and The Workshop on Filmflash with Wondershare Filmora added technical and creative skills to the participants as covered with the basics of video editing.

The IEI Mech Student chapter is one of the platform of the student by the students for the student's over all & consistent development of the student.

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Glimpses during various activities

H.O.D. Mechacanical Engg.

Pursuit Report

Shri Sant Gajanan Maharaj College of Engineering, Shegaon organized a national level technical symposium, **Pursuit 2023**, on 7th and 8th April 2023. The aim of this symposium was to provide a platform for engineering students from various colleges to showcase their talents and skills. The event witnessed a participation of **781** students from renowned colleges, who actively took part in 9 different technical events and 8 skill development workshops. Pursuit 2023 was a grand success, attracting students with a competitive spirit to showcase their achievements and accomplishments.

The technical events included WEB-A-THON, Technofesta, Battle of Electronics, Mechscout, Speranza, Enigma 3.0, Grand Project Expo/ Technovation, Stranger Things, organized by different chapters like IEEE, ISTE, IEI-Electrical, IEI-Mechanical, ACM, Mozilla Campus Club, Electronics and Telecommunication, Information Technology, and Computer Science and Engineering student chapters. The workshops included UI/UX Designing, Introduction to Python with Data Science, Hello to Embedded System, Filmflash with Wondershare Filmora, Introduction to Web Development, Introduction to Cybersecurity, Stock Market 101: An Introduction to Investing, 3D Modelling in AR/VR Using Blender. The workshops were conducted by students for students, providing a unique opportunity for knowledge sharing and interaction.

Shri Raju Kendre, CEO, Eklavya India, Forbes and HT 30 Under 30, Chevening Scholar, FCDO, UK, was the chief guest at the inaugural function of Pursuit 2023. **Shri Jagannath Nagre,** Village Development Officer, Buldana, Member- Save the Soil Mission also addressed the students about project work at village development. The inaugural function began with the national anthem and was attended by Dr. S. B. Somani, Principal, Mr. S. P. Badar- Pursuit-2023, Chief Coordinator, and Dr. M. A. Dande, Parishkriti-2023, Chief-Coordinator. The guests enlightened the students about their personality development, scope for innovation, and advised students to find opportunities for research, higher education, and village development which would help society.

The valedictory function was held on the second day of Pursuit, where the winners of all the events were awarded with certificates and prizes. The participants were also given certificates as a token of appreciation. Student coordinators, workshop resource persons, and volunteers were awarded with appreciation certificates. The event was powered by Vithoba Industries Pvt Ltd and sponsored by CDOT Systems Pvt Ltd.

The success of Pursuit 2023 can be attributed to the efforts put in by the members of each student chapter, motivated and dedicated faculties, and the support of the SSGMCE family. The symposium was a great success beyond expectations, and for this we express gratitude to our Hon'ble Shri. Shrikantdada Patil, Managing Director, SSGMCE, Shegaon for their valuable support and encouragement. We are also thankful to our respected Principal Dr. S. B. Somani for his motivation and guidance. We extend our gratitude to all the committee members teaching and non-teaching, administrative staff and our dedicated students. We extend our most

sincere thanks to the entire SSGMCE family for their persistent support, guidance for making PURSUIT-2023 a great success.

Glimpses of Pursuit-2023

PROGRAM
HIGHLIGHTS

We are excited to announce that Pursuit 2023: National Level Technical Symposium is just around the corner! Join us for a days full of learning, networking, and fun!. With.

8 EVENTS

- **Mechscout**
- **Stranger Things**
- **Speranza**
- **Grand Project Expo**
- **Technofesta**
- **Battle of Electronics**
- **Web-A-Thon**
- **Enigma 3.0**
- **IEEE National Students Conference**

9 WORKSHOPS
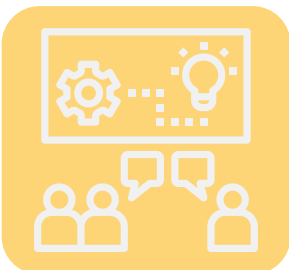
- **Introduction to Web Development**
- **FlimFlash With Wondershare Filmora**
- **Hello to Embedded System**
- **Introduction to Cyber Security**
- **Introduction to Python with Data Science**
- **Stock Market 101: An Introduction to Investing**
- **Ui/UX Designing**
- **3D Modelling in AR/VR**

SSGMCE's
PURSUIT'23
A NATIONAL LEVEL TECHNICAL SYMPOSIUM #E-GAMING
7TH - 8TH APRIL

ACM SSGMCE

ASSOCIATION FOR COMPUTING MACHINERY

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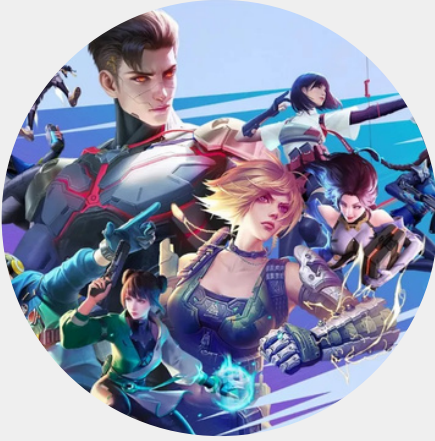
ENIGMA 3.0

ACM SSGMCE is excited to announce our upcoming Valorant tournament! Join us, & stand a chance to showcase your skills and compete for awesome prizes. This event is open to all gamers who are passionate about Valorant and ready for a challenge.

Coordinators:
Ubai Badri - 7489806671

Prize : 4000/-
Entry Fees : 200/- per team (team of 5)

INTRODUCTION TO WEB-DEVELOPMENT

W
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Are you interested in learning the basics of web development? Join us for our upcoming workshop on "Introduction to Web Development"! In this session, you will gain a comprehensive understanding of the fundamentals of web development, including HTML, CSS, and JavaScript.

Coordinators:
1) Apeksha Mankhair - 9322143019
2)Shreya Ingale - 9370220704
Entry Fees : 50/- per person

Ubai Badri
Chairperson

Prof. S. D. Padiya
Faculty Sponsor

Dr. A. S. Manekar
HOD, Dept. of Information Technology

acm

Register Here

E-CELL SSGMCE
ENTREPRENEURSHIP CELL

E V E N T
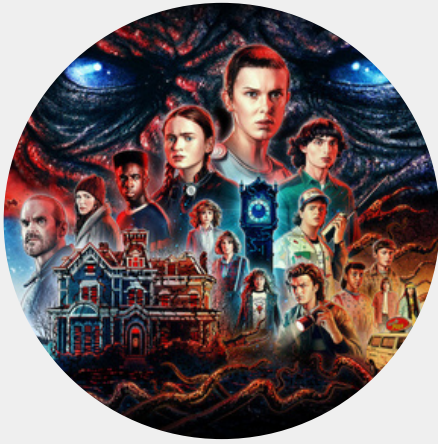
STRANGER THINGS

Round 1: Quiz
Round 2: Find Will
This round is designed on the lines of a treasure hunt. The top teams who find the target will qualify for the final round.
Round 3: TTMM (The Ten Minute Master)
The final teams will pitch their idea.

Coordinator :
- **Ria Dhole - 9763560888**
- **Sejal Patil - 9322133595**

Prize : 3000/-
Entry Fees : 200/- per team (team of 2)

STOCK MARKET 101:
AN INTRODUCTION TO INVESTING

W O R K S H O P

Our experienced speakers will guide you through the fundamentals of investing, including how to evaluate stocks, understand market trends and manage your portfolio. This workshop is perfect for beginners looking to take their first steps in the world of investing.

Coordinators:
- **Vaishnavi Dabhade - 9370741165**
- **Dolly Israni - 9322133595**

Entry Fees : 50/- per person

Avanti Nachankar
NEC Leader

Prof. D.P. Patil / Prof. P.A. Dalke
Faculty Advisor
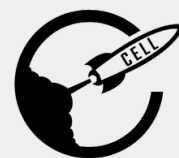
Register Here

E S S A
ELECTRONICS STUDENT & STAFF ASSOCIATION

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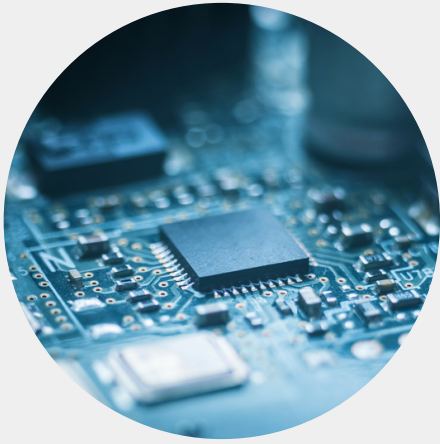
BATTLE OF ELECTRONICS

Round 1: Buzzer Round: Answer the questions or identify the pictures by pressing the buzzer
Round 2: Word Wipe: Construct the correct spelling of jumble words.
Round 3: Circuit Construction: Design the circuit by the given data.

Coordinators:
- **Samruddhi Thote**
- **Dipali Agrawal**

Prize : 3000/-
Entry Fees : 200/- per team (team of 2)

HELLO TO EMBEDDED SYSTEM

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How we use embedded system in day to day life and some mini projects on embedded system using microcontroller
Basic information about proteus and keil software.

Coordinators:
- **Nikita Jadhav**
- **Yash Wankhade**

Entry Fees : 50/- per person
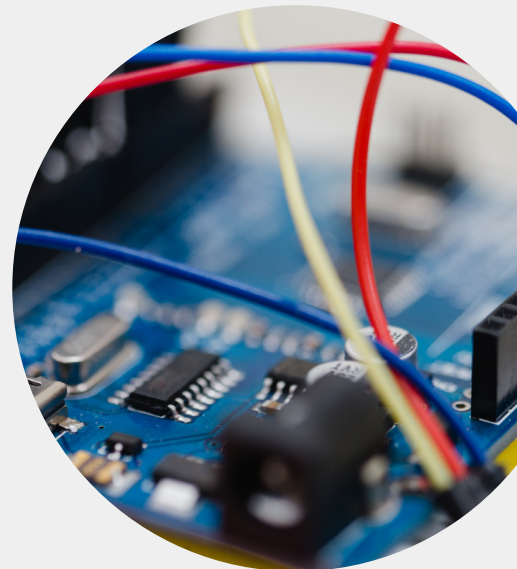
Prathamesh Gattani
Chairperson

Prof. K. S. Vyas (Thanvi)
Faculty Advisor

Dr. M. N. Tibdewaal
HOD, Dept. of Electronics & Telecomunication Engg.

Register Here

IEI-MECHANICAL
THE INSTITUTION OF ENGINEERS INDIA

E V E N T

MECHSCOUT

Mechscout is a Fun & Technical Treasure Hunt
1. This round will test the memorizing power as well as the time managing capacity.
2. This round will test the Technical creativity .
3. This Round will be, "Decode the Puzzle and Grab the Component"

Coordinators:
- **Om Paraswar**
- **Tanvi Waghmare**

Prize : 3000/-
Entry Fees : 200/- per team (team of 2)

FILMFLASH WITH WONDERSHARE FILMORA

W O R K S H O P

This course covers everything from the basics of Wondershare Filmora Video Editor to more advanced concepts like
1. Creating the First Sequence.
2. Adding Video Clips to the Timeline.
3. Understanding the Timeline Panel.
4. Using the Source Monitor to Edit a Clip.

Coordinators :
- **Shruti Amle**
- **Priyal Kolpe**

Entry Fees : 50/- per person

Atharva Kute
Convener

Prof. K. V. Chandan
Faculty Advisor

Dr. S. P. Trikal
HOD, Dept. of Mechanical Engg.
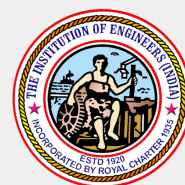
Register Here

IEI-ELECTRICAL
THE INSTITUTION OF ENGINEERS INDIA

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SPERANZA

Team IEI-Electrical Presents the event with Fun and Technical Knowledge
Round 1: Fun-based events
Round 2: Technical and Fun-based events
Round 3: Pass the baton for The Cup

Coordinators:
- **Charul Palkar - 7840938340**
- **Pranali Patil - 9067598245**

Prize : 3000/-
Entry Fees : 200/- per team (team of 2)

INTRODUCTION TO WEB-DEVELOPMENT

**W
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Are you interested in learning the basics of web development? Join us for our upcoming workshop on "Introduction to Web Development"! In this session, you will gain a comprehensive understanding of the fundamentals of web development, including HTML, CSS, and JavaScript.

Coordinators:
- **Pallavi Karale - 9022710410**
- **Sakshi Sondkar - 7588090031**

Entry Fees : 50/- per person

Chairperson
Shreyas Tayade
Faculty Advisor
Prof. P. R. Bharambe / Prof. P. R. Dhabe

HOD, Dept. of Electrical Engg.
Dr. S. R. Paraskar
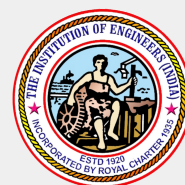
Register Here

A technical quiz **"The Mind Fizz"** organized by IEI (Electrical Student Chapter)

A photograph during technical quiz

ISTE
INDIAN SOCIETY FOR TECHNICAL EDUCATION

E V E N T

GRAND PROJECT EXPO

The ISTE "Grand Project Expo" is a platform for showcasing global innovative projects that use cutting-edge technology like AI, IoT, and robotics. Attendees will have the opportunity to network and collaborate with experts, educators, and innovators.

Coordinators :
- **Sanket Fokmare**
- **Ruchita Agrawal**

Prize : 3000/-
Entry Fees : 300/- per head individual

INTRODUCTION TO CYBER SECURITY

W O R K S H O P

The internet allows an attacker to work from anywhere on the planet. So, this Workshop is designed to aware the students regarding the thefts happening in today's world related to the internet. Basics of leading threats in today's world. Basics of Ethical Hacking etc.

Coordinators:
- **Uday Lande**
- **Nivedita Sugandhi**

Entry Fees : 50/- per person

Arya Chandrawanshi
Vice-Chairperson

Prof. F. I. Khandwani
Faculty Advisor

Dr. A. S. Manekar
HOD, Dept. of Information Technology

Register Here

ITSA
INFORMATION TECHNOLOGY & STUDENT ASSOCIATION

E V E N T

TECHNOFESTA

Round 1(Code-buzz): It will be an opening round having two sub-rounds.

Round 2(Mind-Jumbler): In this round, participants have to find the error in the code.

Round 3(Techno-Hunt): It's going to be a Victory round of the event. It will be a coding contest on HackerRank.

Coordinators:
- Atharva Harsulkar
- Janhavi Bire

Prize : 3000/-
Entry Fees : 200/- per team (team of 2)

INTRODUCTION TO PYTHON WITH DATA SCIENCE

W O R K S H O P

1) Introduction to Python and OOP in Python
2) Libraries
3) Regression Algorithm
4) Classification Algorithm
5) Python Web Application

Coordinators:
- Atharva Harsulkar
- Janhavi Bire

Entry Fees : 50/- per person

Shreya Darodkar
Chairperson

Prof. A. G. Sharma
Faculty Advisor

Dr. A. S. Manekar
HOD, Dept. of Information Technology

Register Here

MOZILLA CLUB
SSGMCE MOZILLA CAMPUS CLUB

3D MODELLING IN AR/VR USING BLENDER SOFTWARE

W O R K S H O P

Join us for an exciting workshop on "3D Modelling in AR/VR using Blender." This workshop is designed to introduce you to the fundamentals of 3D modelling using the popular software, Blender. Discover how to create 3D models and bring them to life in Augmented and Virtual Reality environments.This workshop is perfect for beginners and professionals alike who are interested in the field of 3D modeling and AR/VR. Don't miss this opportunity to learn from the best!

Coordinators:
- **1.Ruchika Bhagat**
- **2.Amit Molke**

Entry Fees : 50/- per Group (Group of 4)

Ruchika Bhagat
Chairperson
Prof.Mrs.S. N. Khandare
Faculty Advisor
Dr. A. S. Manekar
HOD, Dept. of Information Technology

Register Here

PURSUIT 2023
RULES & REGULATIONS

1

Eligibility Criteria:
- The Pursuit is open to all students of engineering, science, or other relevant fields from recognized institutions.
- Participants must have a valid college ID card.

2

Registration Process:
- Participants must register online using the official website of the technical fest.
- The registration fee must be paid online and is non-refundable.

3

Events
- The technical fest will have various events, including technical competitions, workshops, seminars, and exhibitions.
- Participants can participate in multiple events, subject to availability.

4

Code of Conduct:
- Participants must behave in a professional and respectful manner at all times.
- Participants must follow the instructions of the organizers and event coordinators.
- Participants must not engage in any activities that violate ethical or moral standards.

5

Disclaimers and Liability:
- The organizers reserve the right to disqualify any participant who violates the rules and regulations of the event.
- The organizers will not be responsible for any loss or damage to personal property or any injury sustained during the event.

SCHEDULE
PURSUIT 2023

DAY 1		**SPERANZA**	8:00AM-12:00PM	**INTRODUCTION TO WEB DEVELOPMENT**
DAY 2	12:00PM-3:00PM	SEMINAR HALL ELECTRICAL DEPT		A3 CLASS ROOM ELECTRICAL DEPT CS LAB ELECTRICAL DEPT
DAY 1	8:00AM-9:00AM	**STRANGER THINGS**	8:00AM-9:00AM	**STOCK MARKET 101:**
DAY 2	8:00AM-9:00AM	SWADHYAY KAKSH	8:00AM-9:00AM	**AN INTRODUCTION TO INVESTING** SWADHYAY KAKSH
DAY 1		**WEB-A-THON**	1:00PM-5:00PM	**INTRODUCTION TO WEB DEVELOPMENT**
DAY 2	9:00AM-3:00PM	LANGUAGE LAB, ASH DEPT		A3 CLASS ROOM ELECTRICAL DEPT CS LAB ELECTRICAL DEPT
		GRAND PROJECT EXPO/TECHNOVISION		**INTRODUCTION TO CYBERSECURITY** WORKSHOP UNDER ISTE
DAY 1		EVENT UNDER ISTE,IEEE	2:00PM-4:00PM	A3 CLASS (DAY1)
DAY 2	1:00PM-4:00PM	NEW SEMINAR HALL BASEMENT	11:00AM-1:00PM	ELECTRICAL CSE LAB(DAY2)
DAY 1	12:00PM-2:00PM	**TECHNOFESTA**	2:00PM-5:00PM	**INTRO TO PYTHON WITH DATA SCIENCE**
DAY 2	11:00AM-2:00PM	LANGUAGE LAB , ASH DEPT	2:00PM-5:00PM	WT LAB , IT DEPT (POST PURSUIT WORKSHOP)
DAY 1	8:00AM-9:00AM	**ENIGMA 3.0**	8:00AM-9:00AM	**INTRODUCTION TO WEB DEVELOPMENT**
DAY 2	8:00AM-9:00AM	OLD AUDITORIUM	8:00AM-9:00AM	A3 CLASS ROOM ELECTRICAL DEPT
DAY 1	12:00PM-3:00PM	**BATTLE OF ELECTRONICS**	3:00PM-6:00PM	**HELLO TO EMBEDDED SYSTEM**
DAY 2	11:00AM-1:00PM	C1 CLASSROOM,DEPT OF EXTC ENGINEERING	1:00PM-4:00PM	MIC & DSP LAB,DEPT OF EXTC ENGINEERING
DAY 1	2:00 PM-5:00PM	**MECHSCOUT**	8:00 AM-11:00 AM	**FILMFLASH WITH WONDERSHARE FILMORA**
DAY 2	11:00 AM-1:00 PM	WORKSHOP ,DEPT OF MECH ENGINEERING	2:00 PM-4:00 PM	CAD/CAM LAB,DEPT OF MECH ENGINEERING
15 APRIL			9:00AM-12:00AM	**3D MODELLING IN AR/ VR USING BLENDER**
16 APRIL			9:00AM-12:00AM	WEB TECH LAB, DEPT OF INFORMATION TECHNOLOGY

ABOUT
TEAM PURSUIT

Overall Student Coordinators	**Atharva Kute** **Tanvi Jeurkar** **Ubai Badri**
Registration Team	**Sanika Sapkale** Rajshi Shah, Shivani Dighole, Vaishnavi Sejole, Shreepad
Event & PR Team	**Avanti Nachankar, Sakshi Jungade** Aakansha Tale, Govind Dhande, Tatheer Jafri
Operations Team	**Surabhi Lahoti** Sakshi Awchar, Bobby Chaudhary, Chinmay Harne, Amruta Patil, Himagra Turkar
Media & Publicity Team	**Gauri Patil, Sharayu Lavhale** Roshni Borle, Pratiksha Ingale, Nikhil Zalte, Ankita Bharambe
Website & Technical Team	**Harish Barhate** Abhishek Gawali, Tushar Nimbolkar
Design Team	**Toshal Narkhede, Arpita Chimanpure** Riddhi Patil, Mahesh Jadhao,Jatin Soni

Mr. S. P. Badar
Chief Coordinator

Dr. S. B. Somani
Principal

07.04.2023 23:22

07.04.2023 23:16

Inauguration photo during PURSUIT

Student's chapter CSESA organized Workshop on UI/UX Designing

BRAINIAC Competition Organized by Information Technology Student Association Chapter

Hello to Embedded System workshop by ESSA Student Chapter

Mr. S. P. Badar
Pursuit 2023,
Chief Coordinator

SAEINDIA Students Chapter

Department of Mechanical Engineering

Under the auspices of our institute's Mechanical Engineering department, SAEINDIA Student Chapter is active. 30 members of Team X-treme from the mechanical, electrical, electronic, and telecommunications fields are now working in this chapter. The team's major goals are to participate in a national competition, learn more about the field of advanced automotive technology, and get involved in the development and manufacture of a car.

Electric Go-Kart

This year, our team planned and created an electric go-kart for the "National Electric Kart Competition (NEKC)" that will take place in Bhopal in June 2023. The institution has provided financial assistance and approved two lakh rupees for the manufacturing of the electric go-kart. Along with working during non-class hours, the captain, vice captains, and team members designed and built the electric go-kart in accordance with the rules throughout the semester.

On 23rd Feb 2023 organized orientation programme of National Electric Kart championship (NEKC) at mechanical workshop hall by the team X-terme. More than 20 students get benefitted from this workshop.
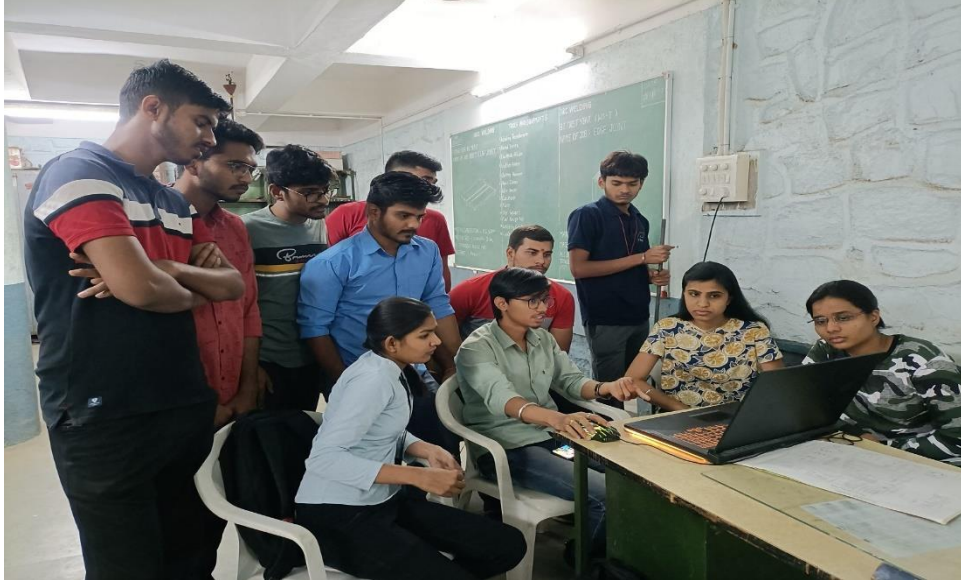
Prof. M.B. Bhambere

END OF POINT

Shri Gajanan Shikshan Sanstha's
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"Approved by the D.T.E., M.S. Mumbai"

| Ph : +918669638081/82 | Email.principal@ssgmce.ac.in, registrar@ssgmce.ac.in |
| Website- www.ssgmce.ac.in | |

Participative learning

Participative learning is a key component of student-centric methods as it places students at the centre of the learning process, actively involving them in their educational journey. In a student-centric approach, the emphasis is on the learner's needs, interests, and active engagement.

Key Participative learning techniques employed at SSGMCE include the following components.

Collaborative Group learning: Group learning activities at SSGMCE are meticulously crafted to cultivate collaboration, sharpen problem-solving skills, and facilitate effective communication among students. These initiatives inspire students to collaborate seamlessly, addressing engineering challenges collectively and deepening their comprehension of intricate concepts. The following programs exemplify this commitment to collaborative learning:

Group Projects: Students engage in project teams, bringing together individuals with diverse skills and knowledge

Students working on a Campus Utility Vehicle (CUV) project

Shri Gajanan Shikshan Sanstha's

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

TEAM X-TREME

Batch 2021-22

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON

Department of Mechanical Engineering

Society of Automotive Engineers, India (SAEINDIA) SSGMCE

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)

Prof. M. B. Bhambere	Dr.S.P.Trikal
Faculty Advisor, SAEINDIA Stu. Chapter	Head Mech. Engg. Dept.

Shri Gajanan Shikshan Sanstha's

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Fax : 091-7265-252346	Website- www.ssgmce.ac.in

Project Report

Under SAEINDIA students chapter, this year team X treme was formed and team has designed and manufactured Campus utility electric vehicle at college workshop. Here the details about team X-treme.

About Team X-treme :-

Team X-treme is an interdisciplinary project club of Shri Sant Gajanan Maharaj College of Engineering, which includes students from different branches of Engineering. It is a platform for students to showcase their ideas and work on it. Team X-treme gives numerous opportunities and work experience to the students. It significantly aims to give goal-oriented problem statements to the students to collect best and out of the box solutions from them. It focus on the overall development of students with technical as well as practical knowledge.

Objective :-

Team X-treme is currently working on an Electric Vehicle Project called Campus Utility Vehicle, we are manufacturing a BEV for College Utility purpose, with this we are also participating in National level competition CUV 2021.

Our mission:-

To promote Green Energy, we as a young innovator are trying our level best to foster our ideas and skills from engineering background. The purpose of backing this ideas and skill hard work is to bring the idea to value and figure out optimum ways to utilise our college sources to best.

Team X-treme is primarily a team consisting of 30 engineering students. It was formed on 15th August 2020 in the presence of the team captain Mr. Sumit Thakare and the faculty advisor M.B.Bhambere Sir. On special note is that the students in Team X-treme are from different disciplines such as Mechanical Engineering, Electrical Engineering, Electronics and Telecommunication Engineering. These 30 students were further divided and they shared various tasks. Each of them got the knowledge required in the tasks assigned to them through

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| Fax : 091-7265-252346 | Website- www.ssgmce.ac.in |

various means. The students of Team X-treme succeeded in realizing their dream of seeing a useful electric vehicle on campus. The important thing is that when Team X-treme was dreaming of this, the time when various multinational companies around the world were closed was the time of lockdown.

While at home during the lockdown, the students tried to apply the knowledge required in this project from various fields. The final year students shared their knowledge and experience through various workshops with their juniors. The planning for the project was done by the students at home and the entire team had to be present in the school to make this plan a reality.

The work started on 1st August 2021 with the students working hard day and night designed according to international standards, overcoming the ups and downs situations a very beautiful and innovative vehicle. The Team has total 30 student participants, excluding department heads, faculty advisors and some teachers and staff. With the guidance and financial assistance of the Honourable Director sir, the project has been successfully completed.

[Finally team x-treme have completed the CUV and inaugurated by honourable Director sir on 21/12/2021]

Shri Gajanan Shikshan Sanstha's

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| Fax : 091-7265-252346 | Website- www.ssgmce.ac.in |

Team X-treme with honourable Director Sir

[**The total budget was Rs 2.87 Lakh sponsored by honourable management**]

Main features of designed CUV:

- **Max Speed 35 km/hr set as per ARAI norms for unregistered Vehicles.**
- **70-80 Kms in single Charge**
- **Load capacity 500 kg Payload + 500 kerb weight.**
- **High Torque 2 kw Bldc motor.**
- **Integrated Cooling system for Controller.**
- **Advanced Computer System.**
- **Reverse parking Sensors which shows exact distance from rear object.**
- **Smart programmable Charger which adjust itself for different battery types and voltage.**

Head
Department of Mechanical Engineering
S.S.G.M.College of Engineering
Shegaon - 444203
(M.S.) INDIA

Shri Gajanan Shikshan Sanstha's
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
SHEGAON – 444203, DIST. BULDHANA (MAHARASHTRA STATE), INDIA
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Ph : +918669638081/82   Email.principal@ssgmce.ac.in, registrar@ssgmce.ac.in
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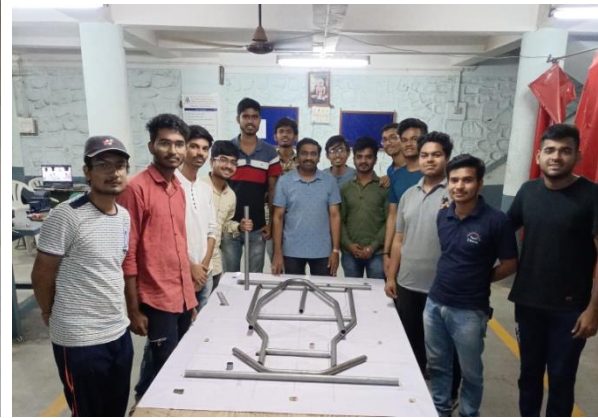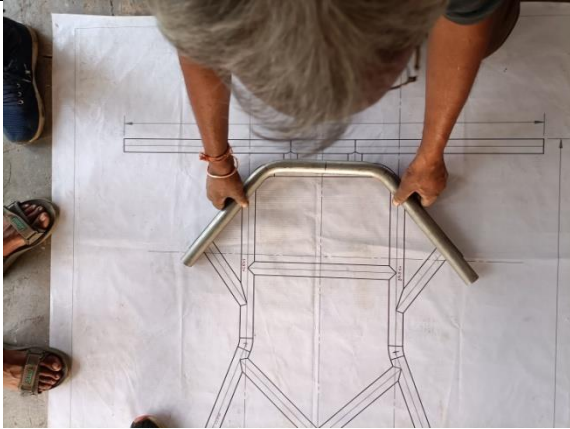**Students Working on Go-Kart Project**

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TEAM X-TREME

Batch 2022-23

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON

Department of Mechanical Engineering

Society of Automotive Engineers, India (SAEINDIA) SSGMCE

| Designation	Name of Students	Class
Captain	Bhushan Rothe	4M
Vice-Captatin	Pratik Hiralkar	4S
	Darshan Chaure	4M
Design Head	Raghavendra Lokare	3M
Design Members	Sumit Avhale	4M
	Pritesh Pawar	3M
	Deep Goje	3M
Electrical & Electronics Head	Sumit Bhute	4U1
	Bhushan Hajare	4U1
Electrical & Electronics Members	Pallavi Karale	3S
	Sakshi Jungade	3S
	Naveen Tiwari	3S
	Kartik Shingade	3U1
	Lokesh Hiwarkar	3U1
	Gauri Jalamkar	3U1
	Saumitra Digambar	3U2
	Nirmal Shinde	2S
	Rushikesh Dhandar	2S
	Jay Oak	2U1
	Rashmi Untwal	2U1
	Amit Risodkar	2U2

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Designation	Name of Students	Class
Manufacturing Head	Yuraj Harne	3M
Manufucturing Members	Tushar Joshi	4M
	Nikita Tikar	3M
	Parth Hanvate	3M
Manufacturing Members	Prathamesh Thakare	3M
	Devang Lahulkar	3M
	Amol Kulat	2M
	Bhavesh Adhao	2M
	Roshan Mhasal	2M
Documentation Head	Mayuri Amodkar	3U2
	Akanksha Narwade	3M
Documentation Members	Charul Palkar	3S
	Vedant Nandekar	2S
	Vaishnavi Chanekar	2S
	Maithili Raut	2U1

Prof. M. B. Bhambere

Faculty Advisor, SAEINDIA Stu. Chapter

Dr.S.P.Trikal

Head Mech. Engg. Dept.

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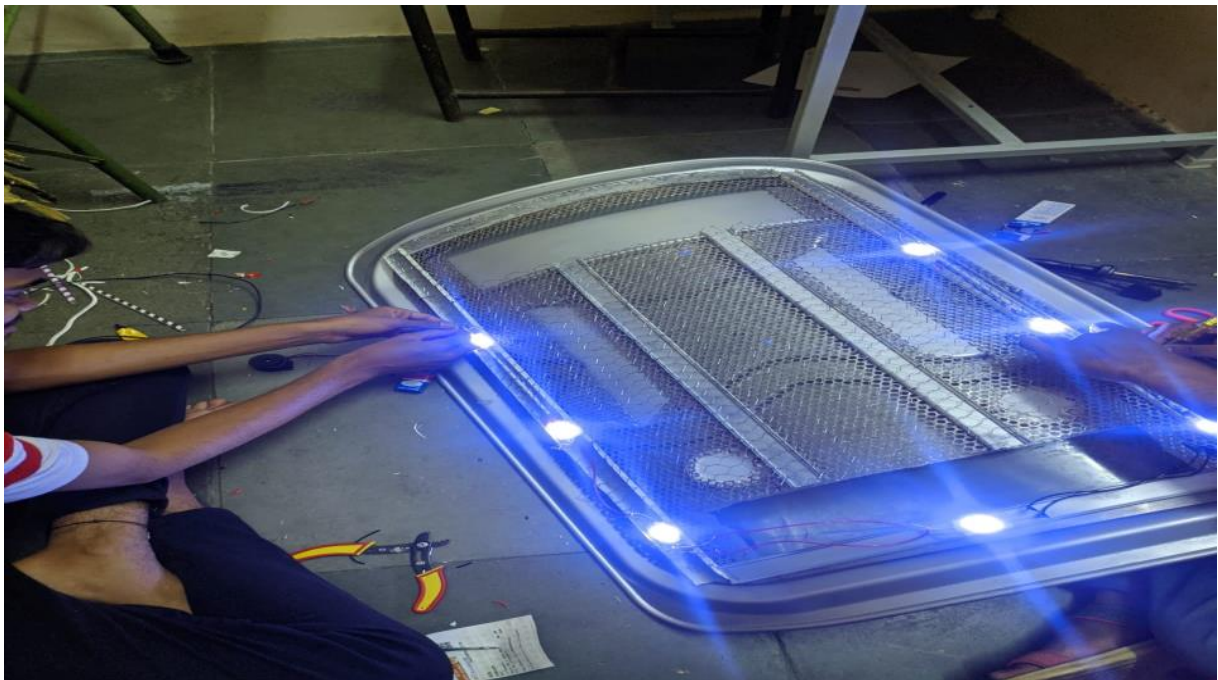## SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA
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Fax : 091-7265-252346   Website- www.ssgmce.ac.in

TEAM X-TREME

Batch 2022-23

Sr. No.	Name of Students	Class	Roll No	E-mail Address	Contact
1	Bhushan Rothe (C)	4M	27	bhushanrothe2001@gmail.com	9325574410
2	Pratik Hiralkar (VC1)	4S	61	pratik23082001@gmail.com	9359667993
3	Darshan Chaure (VC2)	4M	28	dpchaure@gmail.com	7721856157
4	Sumit Bhute	4U1	69	sumitbhute840@gmail.com	9579130626
5	Bhushan Hajare	4U1	42	bhushanhajare4742@gmail.com	7447363821
6	Sumit Avhale	4M	63	avhalesumit@gmail.com	8483973050
7	Tushar Joshi	4M	66	tushar0911mj@gmail.com	8103773432
8	Akanksha Narwade	3M	1	aakankshanarwade0@gmail.com	8928370331
9	Deep Goje	3M	28	deepgoje@gmail.com	9730316981
10	Parth Hanvate	3M	46	parthhanvate2@gmail.com	9322865552
11	Prathamesh Thakare	3M	55	thakareprathamesh4@gmail.com	9370083791
12	Pritesh Pawar	3M	56	priteshpawarpjp@gmail.com	7757902244
13	Raghavendra Lokare	3M	59	raghavlokare02@gmail.com	9370008130
14	Yuraj Harne	3M	77	yurajharne91@gmail.com	7420813111
15	Charul Palkar	3S	33	charulpalkar@gmail.com	7840938340
16	Naveen Tiwari	3S	35	nltiwari9766@gmail.com	8999336405
17	Pallavi Karale	3S	13	pallavikarale2002@gmail.com	9022710410
18	Sakshi Jungade	3S	20	sakshijungade5@gmail.com	9767217072
19	Kartik Shingade	3U1	53	keshingade1411@gmail.com	9923175404
20	Lokesh Hiwarkar	3U1	57	lokesh2002hiwarkar@gmail.com	9921993045
21	Mayuri Amodkar	3U2	12	amodkarmayuri36@gmail.com	7880013360
22	Saumitra Digambar	3U2	65	saumitradigambar999@gmail.com	9881201300
23	Devang Lahulkar	3M	29	devanglahulkar@gmail.com	8421004748
24	Amol Kulat	2M	22	kulatamol102@gmail.com	9767957365
25	Bhavesh Adhao	2M	24	bhaveshadhao2002@gmail.com	7990950807
26	Nirmal Shinde	2S	45	nirmalshinde960@gmail.com	9604302907
27	Vedant Nandekar	2S	66	vedantnandekar786@gmail.com	7517899865
28	Rushikesh Dhandar	2S	55	rushidhandar@gmail.com	8552836949
29	Gauri Jalamkar	3U1	5	gaurijalamkar@gmail.com	7378357705
30	Maithili Raut	2U1	10	maithiliuraut@gmail.com	7378681073

Year	M	S	U	Total
4th	4	1	2	7
3rd	8	4	5	17
2nd	2	3	1	6
Total	14	8	8	30

#OneTeam One Dream

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Orientation program of National Electric Kart Championship (Credible Future India)

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Project Report
Design and Manufacturing of Electric Go-Kart

Unleash the future: Electric thrills on wheels by join he karting nation, fuel your adrenaline fixation! Karting is a type of racing in which a compact four wheel nit called a Go Kart.

About Electric Go-Kart:	'National Electric Kart Championship' (NEKC) is a peculiar concept in the era of Go karting. In recent years Go-karting has embossed its way in the field of racing competition. As Gokarts has been running on engines from past years, but NEKC has lured it by introducing the concept of using Electric motor as a driving source of energy. It is proving out to be an eco-friendly concept, which is much needed for our upcoming generations. The objective of NEKC is to provide a gateway to the future engineers to design, fabricate and conceive an Electric Go- kart.
Mission:	Our mission is to promote Green Energy; we as an young innovator are trying our level 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 ofElectric Go-Kart:	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. Investing time and effort in studentshas benefits for young people andthe community as a whole. Tying the school curriculum togetherwith exciting, ongoing projects is apowerful way to connect studentswith new career options.New economic opportunities alsorepresent a broader opportunityto bring the members of thecommunity closer together. Go-karts are really fun.
Registration:	• **Team registration:** Team registration fees: ₹ 12600 (Inclusive of All Taxes) per team. • **Vehicle Registration:** Vehicle Registration fees: ₹ 18500 (Inclusive of All Taxes) per team.

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Cost Analysis: (An approximate cost of EV parts)	• 3kWBLDCMotor ₹30000., Motor-Controller ₹20,000., Battery& Charger ₹ 1,10,000., DC-DC Converter ₹10,000., MCB ₹3,000 • Transmission Kit ₹7000., Chassis material ₹4000., Tyre Kit 15,000., Braking ₹3000., Fabrication ₹10,000., • Other miscellaneous₹40,000 (Powertrain, Charging socket, Steering,Brake Light, Wires connections, Seat, Driving Suit, Kart Stand, etc.) • **Total ₹ 2,52,000/-**
Competition Overview:	It is a national level competition Organized by Credible Future India. The tentative dates of the competition would be in March 2024. The competition will organisein Bhopal(MP). There were about 50+ teams in last season. The competition has prices worth 4 lacs which includes 24+ awards.
Future Plans:	As 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).

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Photographs during manufacturing of E-Vehicle

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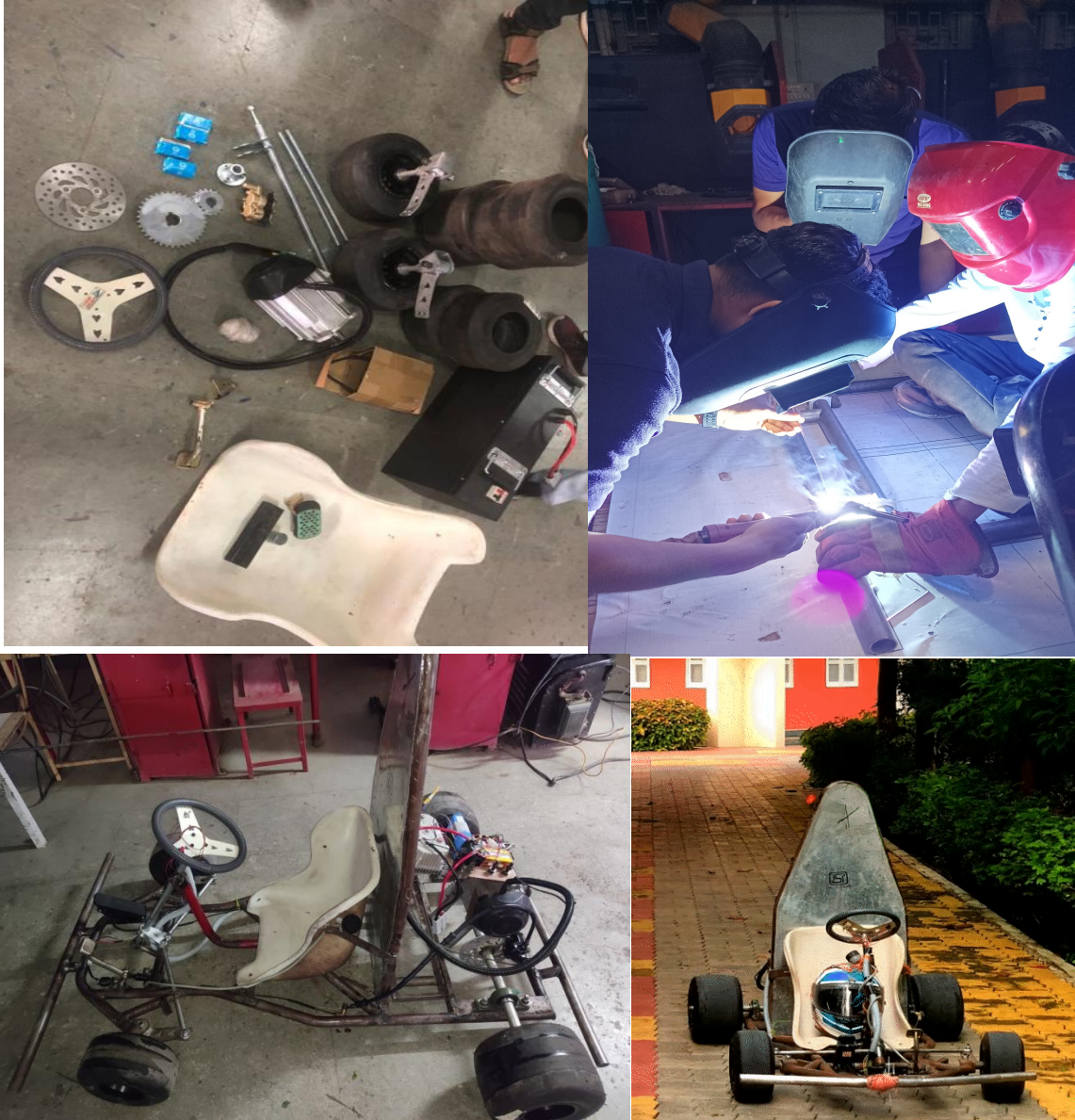
Photographs during manufacturing of E-Vehicle

\# This project is continuing for the year 2023-24

Head
Department of Mechanical Engineering
S.S.G.M.College of Engineering
Shegaon- 444203
(M.S.) INDIA

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Students working on Transformer Project at Transformer Manufacturing Industry at Nashik

Students working on project: **Development of Anti-Riot Electric Shield for Defence Agency**

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Design Competitions

Participating in design competitions seamlessly integrates with student-centered learning, fostering a dynamic and engaging educational experience. These competitions serve as simulations of real-world scenarios and industry practices, enabling students to actively immerse themselves in industry standards, best practices, and the hands-on application of engineering concepts. SSGMCE, recognizing the significance of this practical exposure, provides a conducive atmosphere where students can actively acquire and apply valuable industry insights.

Electronics Engineering students Rohit Wagh, Ritesh Dhamode, Ajay Thakur, and Abhijeet Jawanjalkar achieved the 2nd Rank at the National Level for their project titled "Design and Development of Analog Circuits using Unconventional CMOS Techniques for Biomedical Applications" during the Cadence Design Contest in Bangalore. This remarkable accomplishment was made possible under the able guidance of Dr. K.B. Khanchandani and Prof. S.P. Badar.

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cadence

Cadence Design Contest 2018
Runner-Up Project

awarded to
**Rohit P Wagh, Ritesh B Dhamode,
Ajay C Thakur and Abhijeet S Jawanjalkar**

representing
Shri Sant Gajanan Maharaj College of Engineering

under the guidance of
Dr. K B Khanchandani and Prof. S P Badar

for the paper titled
Design and Development of Analog Circuits Using Unconventional
CMOS Techniques for Biomedical Applications

in the Undergraduate category

Madhavi Rao
Marketing Director
Cadence Design Systems

PRINCIPAL
Shri Sant Gajanan Maharaj
College of Engineering, Shegaon.

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Student Clubs

Student clubs at SSGMCE provide valuable opportunities for participative learning by fostering an environment where students actively engage, collaborate, and take the lead in various activities. Student clubs initiate and execute hands-on projects related to their field of interest. Members actively participate in planning, designing, and implementing these projects, gaining practical experience.

Mozilla Club

The Mozilla Campus Club at SSGMCE is a vibrant and dynamic student organization dedicated to fostering innovation, collaboration, and technology-driven learning. As an integral part of the campus community, the club serves as a hub for students passionate about technology, open-source development, and digital literacy.

The club hosted a variety of events.

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moz://a Campus Club

About Club

A Mozilla Club brings people together locally to build the open web on University and College campuses worldwide.The Internet is more than computers and code. The Internet is about people. And this is what Mozilla Clubs are all about: interacting with others to share, learn, teach, protect and build upon platforms, to make things that matter. Our Clubs are human structures that make the web real.

Mozilla Campus Clubs are Mozilla Clubs that take place at a university or College - These clubs take advantage of the unique learning environments of Universities and Colleges to bring students with a passion for technology together to build and innovate on open source projects that build the open web.

History:

Long before Mozilla's first formal student program, "Campus Reps", opened its doors in 2008, students have been playing a crucial role in the development of Mozilla and the web itself.

The student-built Lynx browser was one of the first and Mosaic (Firefox's distant ancestor!), pioneered by students and staff, opened the graphical web to millions. Many of the original community members who worked on the first firefox in 2002 were students just like you.

A lot has happened on Campuses since then:

- In 2012 the Firefox Student Ambassador Program opened its doors to bring together individuals with a passion for Mozilla who wanted to raise awareness about the many benefits of Firefox & other Mozilla products.
- In 2013 the first Maker Party moved students all around the world to come together to teach the web.
- In 2015 the Clubs program started with a mandate to engage people around the world in ongoing web literacy programs.
- In 2015 Mozilla Science started offering Study Groups for graduate students, researchers, and scientists looking to learn together.
- In 2016 hundreds of students around the world led the Take Back the Web Campaign on their campuses to shift attitudes and change behavior around privacy and security online.
- In late 2016 Campus Clubs was created to carry the work of the Take Back The Web campaign forward but now with an even stronger focus on open source and engaging students in building open web technologies.

Vision:

Mozilla campus club vision is to engage the highest quality university student programs you've ever heard of. Programs that incite invention, inspire innovation, and foster global change. program that engaged students all over the world, building campus groups that each have hundreds of passionate volunteers contributing to Mozilla as advocates, technologists, and innovator these groups were on thousands of university campuses in hundreds of countries.

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That is the vision for Campus Clubs. To spark a movement -- a loud voice, a breeding ground for new ideas, a massive force, a deep talent pool -- that powers the open web to new heights.

At the start of each year, Campus Clubs plan the impact they want to have for the open web and then hack and build on a combination of recommended activities and their own open-source projects to make a difference for the web, their campuses and communities.

Mission:

Our mission is to ensure the Internet is a global public resource, open and accessible to all. An Internet that truly puts people first, where individuals can shape their own experience and are empowered, safe and independent.

We believe that students are uniquely positioned to make a difference in the world and that by bringing together local groups who care about the internet we can achieve great things.

Event under Mozilla club:

Tittle of the Event: Student Awareness session on "AWS Cloud Architecting"
Date:27/02/2023. to 02/03/2023.

Tittle of the Event: Expert talk on "Industry 4.0" by Ms. Medha Deshpande head of IoT platform at expert global solutions, Aurangabad.
Date:21/03/2023

Tittle of the Event: Chat GPT challenge a student Competition Encourage Exploration of Applications of ChatGPT/BARD/Other AI Solution One Smarter,
Date: 31/03/2023.

Tittle of the Event: Two days' workshop on "3D modeling in AR/VR using blender software" in pursuit
Date:21/04/2023.

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Event 1 : Student Awareness session on "AWS Cloud Architecting"

Event 2 : Expert talk on "Industry 4.0" by Ms. Medha Deshpande head of IoT platform at expert global solutions, Aurangabad

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Event 3: Chat GPT challenge a student Competition Encourage Exploration of Applications of ChatGPT/BARD/Other AI Solution One Smarter,Inc

Event 4: **Two days' workshop on "3D Modelling in AR/VR using blender software" in pursuit**

H.O.D. I.T

Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Information Technology Department

"**Awareness Workshop on**"

Program Title: AWS Academy Courses.

Date: 27th Feb 2023 to 1st March 2023

Time: 06:00 PM to **8:00** PM All Days

Location: Web Tech Lab, SSGMCE Shegaon

Organized By: Department of Information Technology.

Resourse Person: Mr. Amit Molke, Miss. Ruchika Bhagat, Mr. Saurabh Wankhade

Number of Participants: 30

Objectives:

1. **Education:** AWS Academy aims to deliver high-quality, up-to-date cloud computing education to students and professionals, helping them understand AWS services and solutions.

2. **Skill Development:** The program focuses on developing practical, hands-on skills in cloud computing and AWS services, enabling individuals to build and manage applications in the AWS cloud environment.

3. **Certification Preparation:** AWS Academy prepares students for AWS Certification exams, helping them become AWS Certified, which is valuable in the job market.

4. **Workforce Development:** By offering AWS training and certification preparation, AWS Academy contributes to building a skilled workforce capable of meeting the increasing demand for cloud computing professionals.

5. **Curriculum Development:** AWS Academy provides institutions with ready-made, up-to-date cloud computing curricula and resources that can be integrated into their existing programs or used to create new courses.

6. **Partnering with Educational Institutions:** AWS Academy collaborates with educational institutions to create a community of educators and students interested in cloud computing, fostering a supportive learning environment.

7. **Industry-Relevant Knowledge:** AWS Academy ensures that the training content reflects real-world industry needs and best practices, allowing students to apply their knowledge in professional settings.

8. **Global Reach:** AWS Academy is available in many countries, helping to make cloud computing education accessible worldwide.

Courses Highlights:

Course 1: AWS Academy Cloud Foundation

The AWS Academy Cloud Foundation course is designed to provide students with a fundamental understanding of cloud computing and Amazon Web Services (AWS). This course serves as an entry point for those looking to build a strong foundation in cloud technologies. Here are the key details:

1.Course Overview: The AWS Academy Cloud Foundation course is an instructor-led training program that covers the basics of cloud computing, AWS services, and architectural best practices.

2.Content: The course content includes an introduction to the AWS Cloud, AWS global infrastructure, core AWS services (such as EC2, S3, RDS), security and compliance, pricing, and the Well-Architected Framework.

3.Duration: The course typically spans around 2-3 months, consisting of approximately 40-60 hours of instruction. It may be delivered in a classroom setting or online, depending on the institution offering the course.

4.Target Audience: This course is suitable for students, IT professionals, and anyone interested in gaining a foundational understanding of AWS and cloud computing. It is often a prerequisite for more advanced AWS certifications.

5. Certification: While this course itself doesn't lead to an AWS certification, it prepares students for the AWS Certified Cloud Practitioner exam, which is a valuable certification to have as it validates your basic AWS knowledge.

6. Hands-On Labs: Typically, students engage in practical, hands-on labs to apply what they've learned, helping them gain real-world experience with AWS services.

Course 2: AWS Academy Cloud Architect course:

1. Course Overview: The AWS Academy Cloud Architect course is designed to provide students with a comprehensive understanding of cloud architecture and Amazon Web Services (AWS). It's a more advanced program compared to the Cloud Foundation course, focusing on cloud design and architecture.

2. Content: The course content delves into advanced architectural concepts, including high availability, scalability, security, and optimization of AWS services. Students learn how to design and implement cloud solutions using AWS.

3. Duration: The AWS Academy Cloud Architect course is typically more extensive, spanning around 12 to 16 weeks. It includes in-depth instruction and hands-on experience.

4. Target Audience: This course is suitable for students and IT professionals who want to specialize in cloud architecture and AWS solutions. It's ideal for those looking to become AWS Certified Solutions Architects.

5. Certification: While the course itself doesn't provide a certification, it thoroughly prepares students to pursue the AWS Certified Solutions Architect certification, which is highly sought after in the industry.

6. Hands-On Labs: Like the Cloud Foundation course, students engage in practical labs to apply architectural principles, design solutions, and gain hands-on experience.

Outcome:

- AWS Academy can provide students with the knowledge, skills, and industry recognition needed to excel in the field of cloud computing, offering a pathway to a rewarding and in-demand career.
- AWS Academy Cloud Foundation provides Students who successfully complete the course are well-prepared to take the AWS Certified Cloud Practitioner exam and enter the world of cloud computing with confidence.
- The AWS Academy Cloud Architect course provides a more in-depth exploration of cloud architecture and AWS services, making it a valuable choice for those looking to specialize in cloud design and solution architecture. The longer duration allows for a deeper understanding of these complex topics.

Glimpses of Workshop:

🔵 GPS Map Camera

Khamgaon, Maharashtra, India
PHJ7+3JP, More Sankul, Khamgaon,
Maharashtra 444312, India
Lat 20.728826°
Long 76.564412°
27/02/23 06:49 PM GMT +05:30

Google
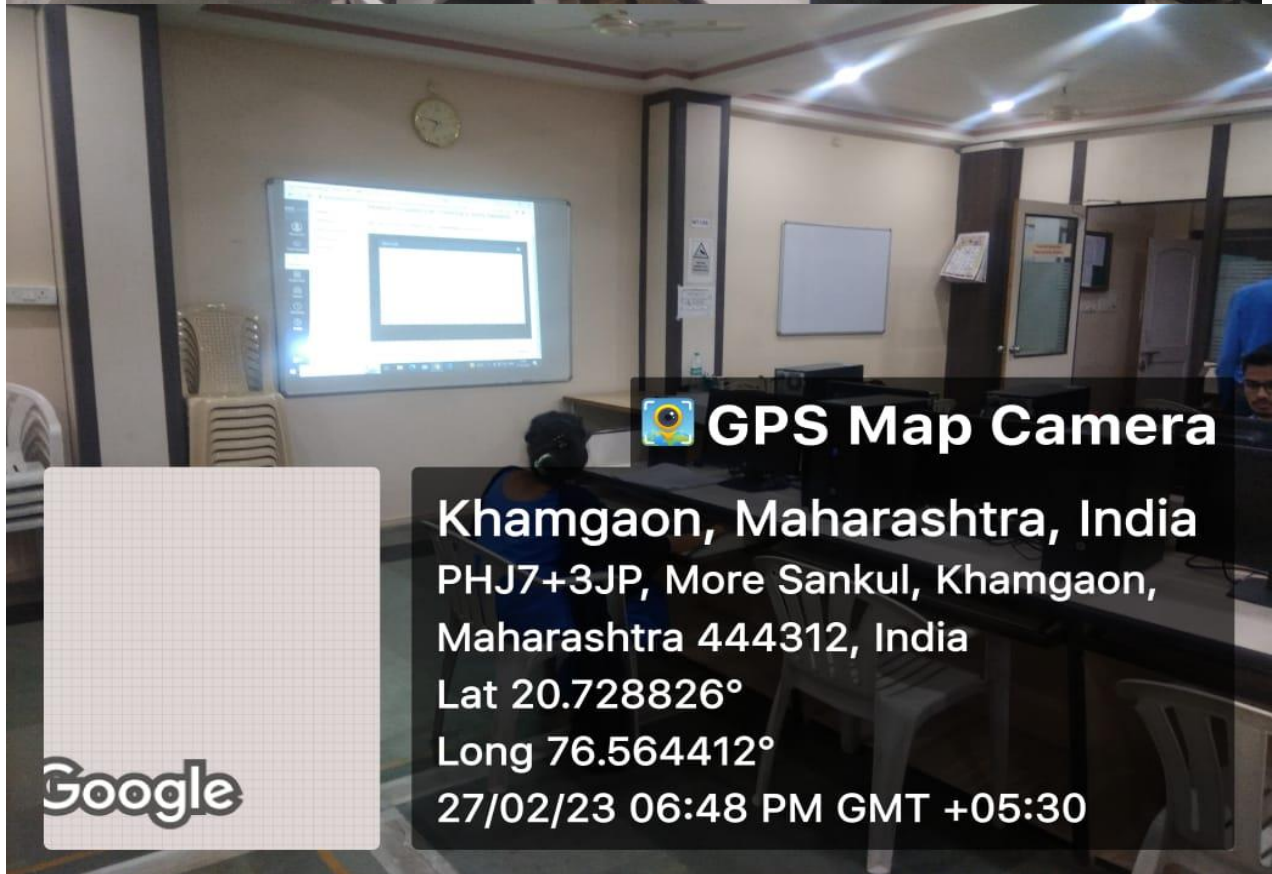
🔵 GPS Map Camera

Khamgaon, Maharashtra, India
PHJ7+3JP, More Sankul, Khamgaon,
Maharashtra 444312, India
Lat 20.728826°
Long 76.564412°
27/02/23 06:48 PM GMT +05:30

Google

Glimpses during workshop

Enrolled Students:

S. N.	Name	1.Cloud Foundation Courses	2.Cloud Architecturing Course
1	Aakansha Timande	Cloud Foundation	
2	Aryan Shah	Cloud Foundation	
3	Ruchika Bhagat	Cloud Foundation	
4	Vaishnavi Dabhade	Cloud Foundation	Cloud Architecturing
5	Riya Dangra	Cloud Foundation	Cloud Architecturing
6	Dyaneshwari Chatarkar	Cloud Foundation	
7	Mohammad Faizaan	Cloud Foundation	Cloud Architecturing
8	Gaurinandan Joshi	Cloud Foundation	
9	Abhishek Gawali	Cloud Foundation	Cloud Architecturing
10	Kshitij Mahurpawar	Cloud Foundation	
11	Amit Molke	Cloud Foundation	
12	Nikhil Babhulkar	Cloud Foundation	Cloud Architecturing
13	Pratik Diwan	Cloud Foundation	
14	Pranav Kaware	Cloud Foundation	
15	Prasad Bhagat	Cloud Foundation	
16	Prathmesh Mahajan	Cloud Foundation	
17	Tejas Gaikwad	Cloud Foundation	Cloud Architecturing
18	Tushar Nimbolkar	Cloud Foundation	
19	Vaishnavi Dalvi	Cloud Foundation	
20	Nupur Vyas	Cloud Foundation	
21	Saurabh Wankhade	Cloud Foundation	Cloud Architecturing
22	Gauri Zamre	Cloud Foundation	Cloud Architecturing
23	Prem Suryawanshi		Cloud Architecturing

Prof N.H.Khandare

Dr A.S.Manekar

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Google Cloud Study Jams : proved to be a transformative educational experience tailored to provide students with hands-on knowledge of Google Cloud technology.

Sample certificate of a student

Introduction to GDSC

Overview

This comprehensive report offers a detailed account of the Onboarding Session conducted at SSGMCE College to introduce students to the Google Developer Student Club (GDSC). The session was led by Mr. Saurabh Wankhede, a fellow student, and was supported by core team members, including Vaibhav Bavaskar, Ruchika Bhagat, Amit Molke, Vaishnavi Dabhade, and Saurabh Gaikwad. Dr. Amitkumar Manekar, the Head of the Information Technology Department, was also present to lend his support.

Event Summary:

The Onboarding Session aimed to familiarize students with GDSC, its purpose, and its relevance in their academic and professional journeys. It served as a bridge to introduce students to the world of technology and innovation through GDSC.

Leadership and Team:

Key players in the event included:

- **Mr. Saurabh Wankhede (GDSC Lead):** Saurabh played a central role in guiding the session and instilling enthusiasm among the students about GDSC.

| Ruchika Bhagat | Amit Molke | Vaibhav Bavaskar | Vaishnavi Dabhade | Saurabh Gaikwad |

- **Core Team Members:** These students provided essential support in organizing the event, ensuring its smooth execution.

- **Dr. Amitkumar Manekar (Faculty Advisor):** Dr. Manekar, the Faculty Advisor of GDSC, shared his valuable insights and provided students with guidance and motivation.

What Was Covered:

During the session, students were introduced to the following aspects:

1. **What is GDSC:** The students were introduced to GDSC, a group of like-minded students passionate about technology, eager to learn, and explore the ever-evolving world of technology.

2. **Why GDSC Matters:** The session highlighted why being part of GDSC is beneficial. It provides opportunities for learning, networking, and gaining practical exposure to technology.

3. **What GDSC Plans:** The students were given a glimpse of GDSC's objectives and future plans for the academic year,

showcasing the diverse activities and opportunities available to them.

4. **Getting Involved:** The importance of active participation in GDSC activities was emphasized. Students were encouraged to engage actively, share their ideas, and take part in shaping the community's initiatives.

5. **Benefits for Students:** The session emphasized the benefits of GDSC membership, including skill development, mentorship, opportunities for projects and collaborations, and access to industry professionals.

6. **Upcoming Events:** The students received a preview of the upcoming events and activities planned by GDSC, sparking excitement and anticipation.

Faculty Advisor's Words:
Dr. Amitkumar Manekar addressed the students, underlining the significance of GDSC in fostering a culture of innovation, collaboration, and continuous learning within the college. He praised the GDSC team for their

efforts and encouraged students to seize the opportunities offered by the community.

Conclusion:

The Onboarding Session at SSGMCE College was a resounding success, introducing students to the GDSC community, its purpose, and its potential impact on their educational and career journeys. The event was characterized by effective leadership, a dedicated team, and the invaluable presence of the Faculty Advisor, Dr. Amitkumar Manekar. It served as a solid starting point for students, ensuring they were well-informed about the myriad opportunities and benefits GDSC offers. The event laid the groundwork for students' active participation in GDSC activities, igniting their enthusiasm and commitment to the world of technology and innovation.

Google Cloud Study Jams – 2023

Introduction:

The Google Cloud Study Jams event hosted by the Google Developer Student Club (GDSC) SSGMCE chapter was a transformative educational experience designed to equip students with hands-on knowledge of Google Cloud technology. This comprehensive report delves into the event, its objectives, and the notable achievements of this **one-month-long** training event.

Event Overview:

With an overwhelming response, approximately 160 students registered for this enlightening event. The event was spearheaded by Apurv Gore,a student of Class 2N, who was selected as the Google Cloud Facilitator for the event by GDSC India. The event was kicked off with the collective

efforts of the entire GDSC team, including its lead, Mr. Saurabh Wankhede, a student of class 4N and facilitator, who played pivotal roles in helping participants get started on their Google Cloud journey.

Saurabh Wankhede (GDSC LEAD)	Dr.Amitkumar Manekar (Faculty Advisor)	Apurv Gore (Google Cloud Facilitator)
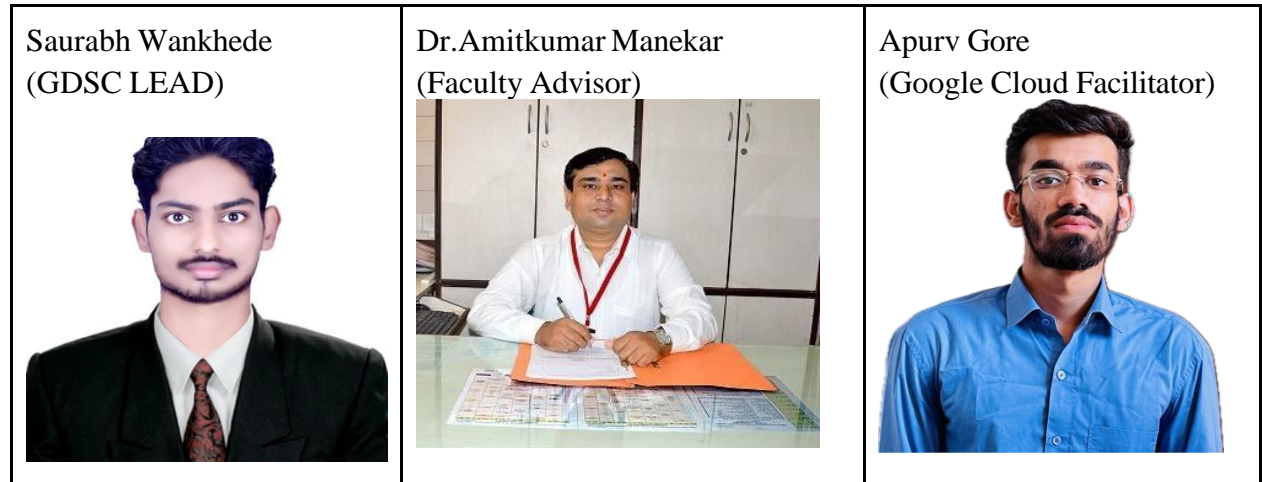
Course Offerings:

The event featured two distinct and highly relevant courses for the participants:

1. **Google Cloud Computing Fundamentals:** This course served as an introductory gateway into the vast realm of Google Cloud. It provided a solid foundation by exploring core concepts, services, and best practices.

2. **Generative AI Arcade Game:** The second course dived deep into the exciting field of generative AI demonstrating the practical application of AI technology in a fun and interactive way.

Offline Sessions:

The GDSC team organized three offline sessions to complement the online course materials. These in-person gatherings allowed students to engage with their peers and facilitators, ask questions, and receive immediate guidance. The team's performance during these sessions was exemplary, showcasing strong leadership and mentoring skills.
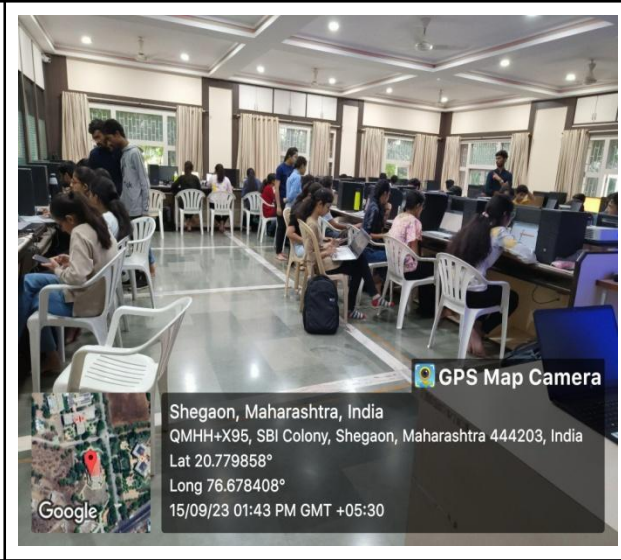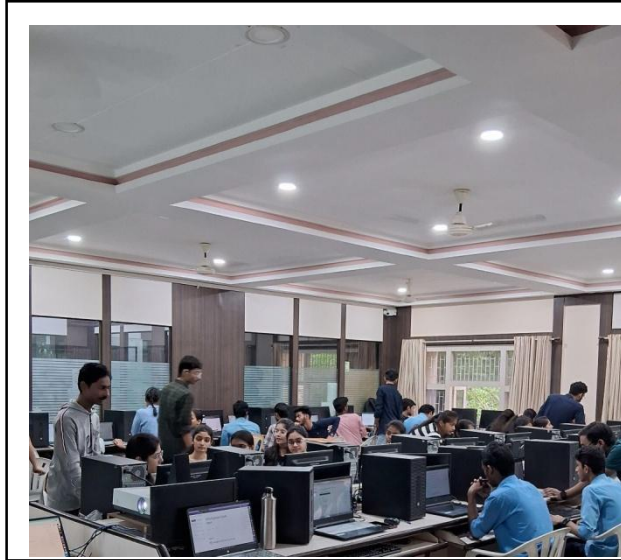
Guidance from Faculty Advisor:

Dr. Amitkumar Manekar, the Head of the Department of Information Technology and Faculty Advisor of GDSC SSGMCE, played a pivotal role in ensuring the event's success. His guidance and mentorship were instrumental in shaping the event's structure and coordinating various activities.

Student Support and Engagement:

Throughout the event, the GDSC team demonstrated a high level of dedication and commitment to supporting the

participants. They proactively addressed queries on a daily basis, providing prompt and personalized assistance to those encountering challenges. The introduction of a Leaderboard added a competitive element, further motivating participants to complete their courses and engage actively in the event.

Achievements:

As the event drew to a close, the remarkable dedication and effort put forth by all stakeholders paid off. Approximately 80 students successfully completed both courses, propelling the GDSC SSGMCE chapter to Tier 1, the highest recognition tier awarded by GDSC. This achievement reflected the collaborative spirit, strong leadership, and relentless pursuit of educational excellence.

Metric	Value
No. of students enrolled	162
No. of correct students enrolled	160
No. of Google Cloud Computing Foundations Course completions	80
No. of Gen AI Arcade Game completions	90
No. of incorrect applications	2
Total No. of participants completing both pathways (Note: This will be considered for the milestone evaluation)	80

Congratulations, based on the completions from your campus, you're in **Tier 1** of the campaign milestones!

See the progress for your milestones below!

You've done it! You have successfully completed the first milestone in the program. Give yourself a huge round of applause - this was not an easy task and you came out with flying colors. Remember: the main motive of this program is to help students learn and build more using Google Cloud. So keep on helping students. Happy Facilitating! :)

Tier #1: Enable 80 students to complete the Google Cloud Computing Foundations Pathway and GenAI Arcade Game 🏆

100% Completed   80/80

Tier #2: Enable 60 students to complete the Google Cloud Computing Foundations Pathway and GenAI Arcade Game 🏆

100% Completed   60/60

Tier #3: Enable 40 students to complete the Google Cloud Computing Foundations Pathway and GenAI Arcade Game 🏆

100% Completed   40/40

Certificates and Goodies:

Certificates were distributed to all participants as a testament to their hard work and accomplishments during the Google Cloud Study Jams event. Additionally, GDSC will reward participants who completed the course with goodies, enhancing the sense of achievement and recognition.

Conclusion:

The Google Cloud Study Jams event hosted by GDSC SSGMCE stands as a testament to the potential of collaborative educational initiatives within the tech community. This event provided an invaluable platform for students to gain hands-on experience with Google Cloud technology. It was a true showcase of the power of mentorship, teamwork, and commitment in achieving educational objectives.

In conclusion, the event marked a significant milestone for GDSC SSGMCE, setting a high standard for future initiatives and demonstrating the tangible impact of technology-focused community engagement. The Google Cloud Study Jams event was an exemplary model of how educational organizations and passionate students can collaborate to empower the next generation of tech enthusiasts.

Dr. A. S. Manekar HoD
IT, SSGMCE
Faculty Advisor GDSC, SSGMCE

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SSGMCE-RedHat Learning Academy Awareness and courses

Program Title: RedHat Academy Courses.

Date: 12 May 2023 to 15 May 2023

Time: 08:00 AM to **10:00** AM All Days

Location: Online through Google Meet

Organized By: Department of Information Technology.

Recourse Person: Prof. Mrs. S. N. Khandare

Number of Participants: 30

Objectives:

1. **Linux Administration:** Red Hat Academy often focuses on teaching Linux administration skills, including user and group management, file system management, shell scripting, and system security.

2. **Red Hat Enterprise Linux (RHEL):** Many Red Hat Academy courses revolve around RHEL, aiming to teach students how to install, configure, and manage RHEL servers.

3. **Server Virtualization:** Some courses may cover virtualization technologies like Red Hat Virtualization, helping students understand how to create and manage virtual machines.

4. **Containerization:** Learning objectives might also include containerization technologies like Docker and Kubernetes for managing containerized applications.

5. **Security:** Security is a significant focus, with learning objectives covering topics like securing Linux systems, implementing firewalls, and understanding Linux.

Courses Highlights:

Course: Red Hat OpenShift I: Containers & Kubernetes (DO180)

The Red Hat OpenShift I: Containers & Kubernetes (DO180) course is part of the Red Hat training and certification program. It is designed to provide individuals with a foundational

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understanding of containerization and container orchestration using Kubernetes and Red Hat OpenShift. Below are some of the key topics and highlights covered in this course:

1. **Containerization Concepts:**
   - Introduction to containerization and Docker.
   - Understanding container images and containers.

2. **Container Orchestration with Kubernetes:**
   - Introduction to Kubernetes and its architecture.
   - Deploying and managing containerized applications with Kubernetes.

3. **Red Hat OpenShift Overview:**
   - An introduction to Red Hat OpenShift and its features.
   - Differences between Kubernetes and OpenShift.

4. **Creating and Managing Containers:**
   - Building container images.
   - Running and managing containers.

5. **Kubernetes and OpenShift Basics:**
   - Deploying applications with Kubernetes and OpenShift.
   - Managing pods, services, and replication controllers.

6. **Using the Command Line:**
   - Working with Kubernetes and OpenShift using command-line tools.
   - Managing resources and troubleshooting.

7. **Deploying Applications:**
   - Deploying applications with OpenShift.
   - Scaling applications and rolling updates.

8. **Managing and Securing Resources:**
   - Resource management with quotas and limits.
   - Configuring security context constraints (SCCs).

9. **Using Persistent Storage:**
   - Configuring and managing persistent storage for applications.
   - Using dynamic provisioning.

10. **Networking in OpenShift:**
    - Networking concepts in OpenShift.
    - Configuring services and routes.

11. **Access Control:**
    - Managing users and groups.
    - Implementing role-based access control (RBAC).

12. **Container Security:**
    - Implementing security best practices for containers.
    - Scanning container images for vulnerabilities.

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13. Monitoring and Logging:
- Monitoring application performance.
- Collecting and analyzing logs.

14. Deploying and Managing Applications:
- Deploying applications with source-to-image (S2I).
- Deploying applications from container images.

15. Customizing Deployments:
- Configuring environment variables and secrets.
- Rolling back deployments.
-

Course Outcomes the: Red Hat OpenShift I: Containers & Kubernetes course is intended to provide hands-on experience with Red Hat's OpenShift platform and Kubernetes, making it valuable for individuals and organizations looking to deploy, manage, and scale containerized applications in a modern cloud-native environment. Please note that the course content may have evolved or been updated, so it's advisable to check with Red Hat for the most current course information and certification objectives.

Glimpses :

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Instructure   **Batch**

Creation Dashboard:

Enrolled Students:

S. N.	Name	Red Hat OpenShift I: Containers & Kubernetes (DO180)
1	Ambika Patil	Enrolled and Successfully Completed
2	Ashwini Rajanhire	Enrolled and Successfully Completed
3	Janhvi Bire	Enrolled and Successfully Completed
4	Dipti Meghare	Enrolled and Successfully Completed
5	Tejaswinin Bhagat	Enrolled and Successfully Completed

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Students Course Complition Cerificates

CERTIFICATE OF ATTENDANCE

THIS IS TO CERTIFY THAT

Janhavi Bire
Shree Sant Gajanan Maharaj College of Engineering

HAS SUCCESSFULLY ATTENDED THE COURSE

Red Hat OpenShift I: Containers & Kubernetes (DO180)

May 12, 2023

Red Hat
Training and
Certification

Karl Reynolds
KARL REYNOLDS
Senior Director, Red Hat Training & Certification:
Global Sales And Delivery

Red Hat Academy

CERTIFICATE OF ATTENDANCE

THIS IS TO CERTIFY THAT

Ambika Patil
Shree Sant Gajanan Maharaj College of Engineering

HAS SUCCESSFULLY ATTENDED THE COURSE

Red Hat OpenShift I: Containers & Kubernetes (DO180)

May 12, 2023

Red Hat
Training and
Certification

Karl Reynolds
KARL REYNOLDS
Senior Director, Red Hat Training & Certification:
Global Sales And Delivery

Red Hat Academy

CERTIFICATE OF ATTENDANCE

THIS IS TO CERTIFY THAT

Ashwini Rajanhire

Shree Sant Gajanan Maharaj College of Engineering

HAS SUCCESSFULLY ATTENDED THE COURSE

Red Hat OpenShift I: Containers & Kubernetes (DO180)

May 12, 2023

Red Hat
Training and
Certification

Karl Reynolds
KARL REYNOLDS
Senior Director, Red Hat Training & Certification:
Global Sales And Delivery

Red Hat Academy

CERTIFICATE OF ATTENDANCE

THIS IS TO CERTIFY THAT

Dipti Meghare

Shree Sant Gajanan Maharaj College of Engineering

HAS SUCCESSFULLY ATTENDED THE COURSE

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CERTIFICATE OF ATTENDANCE

THIS IS TO CERTIFY THAT

Tejaswini Bhagat

Shree Sant Gajanan Maharaj College of Engineering

HAS SUCCESSFULLY ATTENDED THE COURSE

Red Hat OpenShift I: Containers & Kubernetes (DO180)

May 12, 2023

Red Hat Training and Certification

KARL REYNOLDS
Senior Director, Red Hat Training & Certification:
Global Sales And Delivery

Red Hat Academy

Prof. Mrs. S. N. Khandare   **Dr. A.S. Manekar**

Faculty Advisor RHLP, SSGMCE   HOD, IT

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Hackathons:

Hackathons present real-world problems that require innovative solutions. Students actively engage in problem-solving, applying theoretical knowledge to create practical solutions within a constrained timeframe. Notably, at SSGMCE, students enthusiastically participate in these hackathon competitions, driven by the encouragement and guidance provided by the dedicated faculty. The active involvement of both students and faculty members underscores the commitment to fostering a culture of innovation, collaboration, and hands-on learning within the institution.

At the Smart India Hackathon-2019 in Indore, Team SSGMCE secured the first prize, earning a cash prize of Rs. 50,000. The team comprised Sandip Kumar, Shantanu Gawande, Maroof Ahmad, Yash Paliwal, Bidisha Nose, and Aditi Mujmer. Their winning project focused on addressing the issue of counterfeiting of products for MSME Solan

SIH-2019 Grand Finale, Indore

Team SpecialChar

Problem statement code-SV1

—

Team Leader
Sandeep Kumar

Team Members
Shantanu Gawande

Md Maroof Ahmad

Yash Paliwal

Bidisha Bose

Aditi Mujmer

Team Mentor
Prof A.G Sharma

Mr P Kalbande

Problem Statement

The counterfeit problem (IPR Issues) the traditional MSME are struggling with many factors, one of major factor is that counterfeit products being sold on the name of traditional msmes products such as Kullu Shawl. A mechanism needs to be derived using technologies to ensure the entry barriers and vigilance of such counterfeit products, which holds Graphical Index (GI) which will create positive effects in increasing the share of MSMEs.

Our Approach

In QR code encapsulated authentication and Barcode, RFID tracking system our objective is to restrict the entry of counterfeit products and check the authenticity of the product. In this system Manufacturer dispatches the product to the Distributor (Next user) with RFID tracking tag (for lot sizes), individual product tagged barcode and One-Time Encapsulated QR code. The stock received thereby is updated in the database by the Distributor by scanning the RFID tag, thereon the product is dispatched forward to Retailer (Next User), who scans individual Barcode and updates the database about the product position. So tracking of each product is updated in the database.

The authenticity of the product is verified on the basis of two parameters:

1. Encapsulated (hidden) one time QR code. Each product will have an Unique-Id integrated within the QR code. The consumer will need to decapsulate the QRcode scan it, copy the generated Unique-Id to Consumers UI and submit to the system, along with his location access. The database will verify the Unique-Id and number of scan attempts (the Unique-id will generate authenticate result only for first-time scan). If the QRcode is attempted to scan more than once it will notify manufacturer along with location (of scanning) details.

 2. Location Based Verification: to overcome the challenge of one time QR code being copied, the system for authenticity, will ask the End Users location. This location of End User will be compared with that of Retailer (EndUser-1) updated location. If both the location match with certain degree of accuracy then this

condition will be satisfied. After checking both conditions the system will generate authenticity report for the consumer.

The system herein aims to maximise the existing model efficiency by using innovation and making it robust.

3 days in SIH

Arrival

We arrive 1st march 11:00 AM then we completed the registration procedure, we did incremental contribution in our system prior to the competition day with the objective to complete about 70-75% of the basic working of the project.

Coding started at about 8:20 AM on 2nd of march, after the inauguration and video speeches by dignitaries.

Mentoring session

Jury visited for the first round of mentoring at around 11AM mainly to check the solution approach, its alignment with the problem, feasibility, introduction. Jury asked about requirement of further detailed information about the organisation and problem statement but unlike our expectations they didn't gave any suggestions/challenges for improvement in the system.

In-between the next round of evaluation We worked on the User-Interface of the system, improved the robustness of the database, explored the algorithm to implement location based tracking.

First round of Evaluation

Judges visited for the first round of evaluation at around 7PM, We presented the details about the working of the system along with demo. Right from the log-in of the Manufacturer, auto-generation of Unique-Id, QR code generation, Customer scanning QR code till Authentication response from the system. After analysing the solution they asked in detail about the tracking part of the system the use of RFID and its impact on feasibility of the solution.Also they asked to study about the existing solutions in the market and compare them with our solution on the basis of cost-effectiveness, innovation, reliability, user friendly and so on. In due course we attended the live interaction by Prime Minister followed by the recreational activities and energy drink.

Meanwhile We came to know that, Our competitors were having same solution approach as Ours. So, it became essential for Us to innovate in a way, to get differentiated from others.Our location-Based tracking had the ability to take systems reliability to next level, so We diligently worked the whole night and completed it by morning. Along with this We created dynamic User-Interface added data analytics, which showed all the information as per the requirement like categorization of entities as per location, product names, product category. This gave manufacturer an extra edge to identify the counterfeit problem intensity over particular Products or Geographic location. It also helped in predicting the future market trend and opportunities.

Second round of Evaluation

For the second round of evaluation judges arrived at around 10 AM. We again presented the full demonstration of the system this time the Juries asked like what if the QR code is distorted, how to protect the Unique-Id if the database is hacked for the same they asked to encrypt the Unique-Id, One more suggestion was to make the system multilingual. The presentation went as expected and We felt like We stand a chance.

We started working on the suggestions and completed all except encryption within an hour. We later were able to encrypt the UIds but unable to decrypt it and then we rechecked Our system and prepared for the Final presentation.

Last round of Evaluation

Judges arrived at around 6 PM. Our whole system was same apart from the suggestion. So, We presented the improvement first and then the whole system, Jury checked it and asked about each Members contribution, future work on the system, its implementation in real world if selected as winner.

Photos

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"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
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First and Second Runner Up position in Hackathon organized by Adani Electricity:

Two teams of students from SSGMCE, Shegaon, participated in the Hackathon on the Smart Key for Meter Cabins organized by Adani Electricity. The objective was to encourage innovative solutions for key management issues in securing meter cabins. The teams provided satisfactory solutions to the problem statement issued by Adani Electricity (Problem Statement: Currently, physical keys are used to lock Meter Cabins. Therefore, key management is a major concern as there is no alarm system present to detect unauthorized access to meter cabins). Our teams were awarded the second prize (First Runner Up) of Rs. One lakh and the third prize (Third Runner Up) of fifty thousand, along with recognition certificates. The first runner-up team members include Viplav Khode, Chinmay Deshkar, Pranjali Amalkar, and Pranoti Gaigol. The second runner-up team members include Aniruddha Wankhade, Vivek Joge, Shwetatai

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Shri Sant Gajanan Maharaj College of Engineering, Shegaon, in collaboration with the Institution Innovation Council, proudly hosted the "Intra-Institutional Project Hackathon 2023." This dynamic event not only encouraged creativity and collaboration but also provided students with a unique opportunity for participative learning. By actively engaging in this hackathon, students had the chance to apply their theoretical knowledge to real-world projects, enhancing their problem-solving skills and gaining practical insights. The hackathon served as a platform for students to actively participate, contribute ideas, and collectively work towards innovative solutions, fostering a culture of hands-on learning and collaboration within the institution.

Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Name of the event : Program types : Project competition	Intra Institutional Project Hackathon 2023
Resource Person	Dr.Milind Pande. Pro-Vice Chancellor- MIT World Peace University, Pune M.S.
Academic year	2022-2023
Program Theme (IPR / R&D and Innovation / Start-up /Entrepreneurship / Design Thinking / Incubation & Pre – Incubation / others)	Intra Institutional project hackathon 2023
Start date & End Date (DD/MM/YYYY)	14 Jan2023
Duration of the activity (in hours)	3:00 Hrs (10:30 AM to 1:30 PM)
No. Participants (Student / Faculty/If any External participants)	42 Students
Mode of session (online / offline)	Offline
Program driven by (IIC Calendar activities/Self activities/MIC Activities/Celebration activity)	IIC Calendar activities
Session recording link / Offline venue All Social Media Link (Promotion)	In front of Library ,SSGMCE Campus shegaon . https://m.facebook.com/story.php?story_fbid=pfbid02FA1kjLdqVJBcosP99as4Y83qUdN6tYXgaKXu45chUN8bCfjggvEfxqmGToAitHgQl&id=100084395894152&mibextid=Nif5oz
Event Coordinator Faculty Name / Department / Designation	Prof. N B Borkar Asst prof. Mechanical Engineering ,SSGMCE Shegaon.
Target Participants	All Students & faculties of SSGMCE shegaon
➢ Objective ➢ Benefit in term of learning/skill/knowledge obtained (benefit in term field is required)	Objective: • To make student competent for problem solving . • To make students inspired by problem solving activities. • To create a culture competitive towards the problems in society. Benefits: • Students and faculty member may get basics of problem solving. • Apply the creativity with modern tools and technology. • It may determine new dimensions of problem solving.

Overview of the program:

Shri sant gajanan maharaj College of Engineering, Shegaon, in association with Institution Innovation Council has organized "Intra Institutional Project Hackathon 2023" coordinated by Prof. N B Borkar. The event was enlightened by one of the eminent resource person Dr.Milind Pande, Pro-Vice Chancellor- MIT World Peace University, Pune. The program was started on 14 Jan 2023 at 10.30 AM with a warm welcome escorted by project competition coordinator Prof Nitin B Borkar and evaluators of the event. The program was organize to address real time problems in various field of science and technology. Students participated to solve the real life problems of society.

At last of program, Dr. Milind Pande has listen all the participants and share his views about projects and products under commercialization. Finally Dr. Milind Pande has narrated all the suggestions and opportunities for real time solution.

Event Gallery: (Attachments)

Under IIC, activity for Quarter-II
Intra Institutional project Hackathon 2023

Date:- 14 Jan 23

P	SrNo.	Name of student	Sign	Branch	Project title
	(1)	Saurabh Satao		4(S)	Indoor solar based cooking stove with storage
	(2)	Rajth Gawande		4(S)	
	(3)	Yashwant Dahibhat		4(S)	
	(4)	Harish Thokane		4(S)	
	(5)	P.			
	1.	Pranali Khorote		4(S)	Solar based e-bicycle
	2.	Sakshi Aware		4(S)	Solar based e-bicycle
	3.	Deepali Khorcue		4(S)	
	1	Prajwal Deshmukh		4(s)	Biogas plant
	2	Azhar Fakira		4(s)	Biogas plant
	3	Mayuri Kharpate		4(s)	Biogas plant
	4	Manjushri Narwade		4(s)	Biogas plant
	1	Shwetatai Bhagat	S. Bhagat	(402)	Wearable Myocardial Infraction Prediction System
	2	Yash Deshmukh		(401)	
	3	Vidhi Parashar	V Parashar	(402)	
	4	Sameer Shegaonkar		(401)	
	1	Rajat K. Patil		(301)	Remote Slide Switcher
	2	Janhavi G. Pahl		(301)	
	1	Nishant Gawande		(201)	Data Transfer using Li-Fi
	2	Aaryavart Dabenkar		(241)	
	1	Nikita K. Hiralkar	Hiralkar	2U2	Home Automation using IR
	2	Shubham B. Ghuge	Ghuge	2U2	
	3	Bhakti V. Bai	Bai	2U2	

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Sr. No.	Name of student	Sign	Branch		Project Title
1	Tejas Kale		EXTC 2N2		LED Matrix
2	Gaurav Vyahare		EXTC 4N2		
3	Shripad Chore		EXTC 2N2		
1	Divya Sakle		EXTC 4N1		wireless sensor for bifocal spot of hilly areas
2	Sumit bhube		EXTC 4N1		
1	Saurabh Wankhede		IT 4N		College website
2	Vaibhal Dasasakar		CSE 3N		
1	Abhijeet Gadlinge		CSE 3R		Brahmivas Website
1	Maithali Kulkarni		IT 4N		Epilepsy patient fall detection system and its analysis using data science
2	Gauri Sawaekae		IT 4N		
3	Sayali Marathe		IT 4N		
1	Amit Milke		IT 3N		digitalization of fruits & vegetables
2	Ruchika Bhagat		IT 3N		
1	Vashishtha D. Thakur		MBA		The Morning Bird
2	Hemant G. Raut		MBA		
1	Vaishnavi Khandore	Khandore	MBA		The Bond
2	Vaishnavi Sahu	Sahu	MBA		
3	Prerana Sonankarr	Prerana	MBA		
4	Dhanashri Waghole	Waghole	MBA		
1	Vishakha Ganorkar		CSE 1R		Hobby to passion
2	Shreyas Mundhe		IT 1N		

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Total = 42

32 27/11/23

Dr. S. B. Patil
President, IT

Prof. N. B. Borkar
Program coordinator

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Quiz:

Quizzes require active participation from students, engaging them in answering questions and fostering a more immersive learning experience. Participants apply their theoretical knowledge to answer questions, promoting the practical application of concepts learned in the classroom to real-world scenarios.

SSGMCE actively engages students in a variety of quizzes, with a special emphasis on business quizzes, aiming to foster participative learning. These interactive sessions not only encourage students to actively participate but also provide a dynamic platform for the practical application of theoretical concepts. Through quizzes, students enhance their critical thinking, decision-making, and problem-solving skills, preparing them for real-world challenges in the business arena. The diverse formats and engaging questions make these quizzes enjoyable and contribute to a vibrant learning environment at institute.

Department of Business Administration and Research
Shri Sant Gajanan Maharaj College of Engineering, Shegaon

> ### Parishkriti 2023
> ### A Report on Business quiz held on 07-04-2023

Introduction

Business quizzes are an effective way to test the knowledge of individuals on various business-related topics such as finance, marketing, management, economics, and strategy. These quizzes are conducted in various settings, including schools, colleges, corporate events, and conferences. The objective of a business quiz is to help participants learn and retain important business-related information and develop a competitive spirit. This report aims to discuss the objectives of a business quiz, its outcomes, and its importance in today's business world.

Objectives of a Business Quiz

The primary objective of a business quiz is to provide participants with a platform to test their knowledge of business concepts, theories, and practices. The quiz aims to evaluate participants' understanding of the fundamental principles of various business fields and their ability to apply them in real-world scenarios. Some of the key objectives of a business quiz include:

1. **Promoting Learning:** A business quiz helps to promote learning among participants by providing them with an opportunity to test their knowledge of business concepts and theories. Participants can use this opportunity to gain a deeper understanding of various business topics and expand their knowledge base.
2. **Encouraging Competition:** A business quiz fosters a competitive spirit among participants, encouraging them to push themselves to perform better than their peers. This competitive spirit can help participants develop critical thinking skills and improve their problem-solving abilities.
3. **Developing Confidence:** By participating in a business quiz, participants can develop confidence in their knowledge and abilities. This newfound confidence can help them in their personal and professional lives, empowering them to take on new challenges and achieve their goals.
4. **Networking:** A business quiz provides participants with an opportunity to network with like-minded individuals, which can help them build relationships that may prove useful in their careers.

Event details

This Business quiz was held under the head of Parishkriti 2023 a National Level Management event organized by the Department of Business Management and Research under the institute of SSGMCE. In this event, various participants from various places participated. The total participation for this event was 21 teams and 63 participants. For the final round, only 5 teams were selected on the basis of the General Awareness Quiz. In that quiz, the total number of questions was 50 and the highest score teams were eligible for the final quiz. The final quiz consists of 3 rounds i) General Awareness ii) Punchline identification and iii) Logo Identification. After the completion of these rounds, we found one winning team i) Rohit Shekokar ii) Amit Bhange iii) Girish Sathe, and one runner-up team i) Pooja Awatirak ii) Vaishnavi Khandare iii) Vaishanvai Sahu. Both the teams received a cash prize of Rs. 1000 for the winning team and Rs. 500 for a rummer-up team with certificates. All the other participants will be provided participation certificates.

Outcomes of a Business Quiz

The outcomes of a business quiz can vary depending on the nature and scope of the quiz. Some of the most common outcomes of a business quiz include:

1. **Increased Knowledge:** Participants can gain a better understanding of various business concepts, theories, and practices through their participation in a business quiz. This increased knowledge can help them in their personal and professional lives, enabling them to make more informed decisions and solve problems more effectively.

2. **Improved Critical Thinking Skills:** Business quizzes often require participants to think critically about various business scenarios and problems. This process can help participants develop their critical thinking skills, enabling them to analyze complex information and make sound decisions.

3. **Enhanced Problem-Solving Abilities:** Business quizzes can help participants improve their problem-solving abilities by providing them with an opportunity to apply their knowledge of business concepts and theories to real-world scenarios.

4. **Improved Confidence:** By participating in a business quiz, participants can gain confidence in their abilities and knowledge. This newfound confidence can help them in their personal and professional lives, empowering them to take on new challenges and achieve their goals.

5. **Networking Opportunities:** A business quiz provides participants with an opportunity to network with like-minded individuals, which can help them build relationships that may prove useful in their careers.

Conclusion

Business quizzes are becoming increasingly important in today's business world, as they provide a platform for individuals to test their knowledge of business concepts, theories, and practices. In today's fast-paced and competitive business environment, staying up-to-date with the latest trends and practices is crucial to success. Business quizzes can help individuals stay informed about the latest developments in their fields and gain a competitive edge. Business quizzes can also be used as a tool for training and development. Organizations can use quizzes to assess employees' knowledge of various business concepts and identify areas where additional training may be required. This can help organizations improve their employees' skills and knowledge, leading to increased productivity and profitability.

Date:- 11-04-2023

(Ku. Jyotsna Hiwale)
Student Coordinator

(Prof. Vishal Patil)
Faculty Coordinator

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Seminars:

Seminars conducted by students can effectively serve as a form of participative learning, offering several benefits. Students actively apply their theoretical knowledge by researching, preparing, and presenting seminar topics. This hands-on approach reinforces classroom learning.

At SSGMCE, the final-year curriculum includes a dedicated seminar on a technical topic. Additionally, as a component of internal assessment, students are given the flexibility to choose and present seminars on various technical subjects. This dual approach ensures a comprehensive understanding of the selected topics, empowering students to actively engage in the learning process and showcase their research and presentation skills

Student delivering a seminar

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Sample List of Seminar Topics of IT Department

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON
Department of Information Technology
Session: 2022-23
<u>Seminar Evaluation Sheet</u>

Name of Evaluator: A.G. Sharma

Panel No: 01
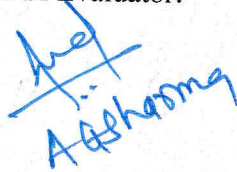
SN	RN	Name of Student	Seminar Topic	Date	Presentation Skill (10 Marks)	Content Delivery (10 Marks)	Depth of Knowledge (10 Marks)	Q & A (10 Marks)	Report & PPT (10 Marks)	Total Marks (50 Marks)
01	33	Advait Patil	Cloud Load Balancing Algorithm	15/11/22	9	9	9	9	9	45
02	47	Kaushal Sharma	Image search optimization with web scraping, text processing and cosine similarity algorithms	21/10/22	9	9	10	9	9	46
03	51	Nayan Sonkalyari	Python and MySQL based Smart Digital Retail Management System	14/10/22	10	10	10	9	9	48
04	73	Tiwar Zade	Environmentally Smart Contracts for Artists Using Non-Fungible Tokena	15/11/22	9	9	8	9	9	44
05	52	Ninad Thakare	Categorization of Exam Questions based on Bloom Taxonomy using Naive Bayes and Laplace Smoothing	21/10/22	8	8	8	8	8	40
06	62	Raj Thakare	A Comparative Approach to Naive Bayes Classifier and Support Vector Machine for Email Spam Classification.	15/10/22	9	9	10	9	9	46
07	63	Raj Sangtani	Spam Transformer for Spam Detection	21/10/22	8	8	8	8	8	40
08	69	Shubham Bondre	Android Malware Detection Based On Naive Bayes	21/10/22	8	9	8	9	9	43

SN	RN	Name of Student	Seminar Topic	Date	Presentation Skill (10 Marks)	Content Delivery (10 Marks)	Depth of Knowledge (10 Marks)	Q & A (10 Marks)	Report & PPT (10 Marks)	Total Marks (50 Marks)
09	29	Aadarsh Kumar	Infrastructure as Code : Docker	15/10/22	9	9	9	9	10	46
10	28	Yoshi Nawange	Azure devOps Sevices for Integration and Deployment	14/10/22	10	9	10	9	9	47
11	68	Shreyash Chavan	SEPTIC : Detecting infection attacks and vulnerabilities inside DBMS	15/10/22	9	9	9	9	10	46
12	25	Vaishnavi Agrawal	Digitizing and recognizing handwritten character using digital pen	15/11/22	10	9	10	9	9	47
13	30	Aaryan Khanderao	Accurate DApp Identification Via Traffic Analysis using GNN	15/11/22	8	8	8	9	8	41
14	70	Snehdeep Raut	Cryptocurrency Mining Verification Using Ethereum	21/10/22	9	9	10	9	9	46
15	72	Tanmay Band	Time Series Data Mining in Cryptocurrency price Prediction	21/10/22	8	10	8	9	8	43
16	04	Anuja Thakre	Enriching Heart monitoring with accelerometer data	15/10/22	9	9	10	9	9	46
17	07	Gauri Sawarkar	Human Activity Recognition Based on Accelerometer Vibrations Using ANN	14/10/22	9	9	10	9	9	46
18	10	Maithali Kulkarni	dWatch: A Reliable and Low-Power Drowziness Detection System for Drivers Based on Mobile Devices	14/10/22	10	9	9	9	10	47
19	20	Sayali Marathe	Emotion Detection Through Smartphone's Accelerometer and Gyroscope	15/10/22	9	10	9	9	9	46
20	38	Atharva Raut	Cloud Analytics based Farming with Predictive Analytics	15/10/22	10	9	9	9	10	47

SN	RN	Name of Student	Seminar Topic	Date	Presentation Skill (10 Marks)	Content Delivery (10 Marks)	Depth of Knowledge (10 Marks)	Q & A (10 Marks)	Report & PPT (10 Marks)	Total Marks (50 Marks)
			using Artificial Intelligence							
21	40	Bhavy Mittal	Monitoring soil parameters and controlling of soil moisture through IoT based smart agriculture	15/10/22	9	9	9	9	9	45
22	48	Mayur Patel	Machine Learning Application for Precision Agriculture	14/10/22	9	9	10	9	9	46
23	76	Vedant Polshettiwar	Smart Agriculture Robotic System Based on IoT to Boost Crop Production	15/10/22	9	9	9	9	9	45
24	34	Ajay Dandge	PCA in the context of Face Recognition with the Image Enlargement Techniques	21/10/22	9	9	9	9	9	45
25	35	Ajit Patil	An improved ORB feature extraction and matching algorithm based on affine transformation	15/10/22	9	9	10	9	9	46
26	45	Hrushikesh Shukla	Image Quality Assessment Through Contour Detection	21/10/22	9	9	9	9	9	45
27	49	Mayur Nehare	CPU Based YOLO: A Real Time Object Detection Algorithm	21/10/22	9	9	9	9	9	45
28	03	Anjali Rathod	Development of Laravel Digital Platform Based on MVC Design Pattern for Complicated Data Structure	15/10/22	8	8	8	8	9	41
29	53	Omkar Mante	CockroachDB: The Resilient Geo-Distributed SQL Database	21/10/22	8	9	9	8	8	42
30	56	Prananjay Kandekar	Design and Implementation of a Novel Student Information Management System	21/10/22	9	8	9	8	9	43

SN	RN	Name of Student	Seminar Topic	Date	Presentation Skill (10 Marks)	Content Delivery (10 Marks)	Depth of Knowledge (10 Marks)	Q & A (10 Marks)	Report & PPT (10 Marks)	Total Marks (50 Marks)
31	27	Vrushali Pawar	Information Security of PHP Application	21/10/22	9	9	8	8	8	42
32	1	Aayushi Varma	The Effect and Technique in Search Engine Optimization	14/10/22	8	9	9	8	9	43
33	2	Anagha Deshmukh	Spacewalker: Rapid UI design exploration using lightweight markup enhancement and crowd genetic programming .	15/10/22	8	9	9	9	9	44
34	9	Komal Kumbhare	Implementation of Selenium Automation & Report Generation Using Selenium Web Driver	15/10/22	9	9	9	9	9	45
35	14	Poonam Jaikar	A model for choosing hosting for a company's website	21/10/22	9	8	9	9	9	44
36	39	Atharva Patil	Analyzing objective & Subjective data in SS Implication for Smart cities	16/12/22	7	8	8	8	7	38
37	11	Mansi Bayaskar			8	8	8	7	6	37
38	65	Sarang Bagade	Predictive Analytics for Predicting Customer Behaviour	10/12/22	9	9	8	9	9	44

Signature of Evaluator:

Aksharma

Shri Gajanan Shikshan Sanstha's

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Paper Publication:

Publications on research topics by students stand as a testament to the vibrant participative learning culture at SSGMCE. Actively immersing themselves in the research process, students navigate the complexities of their chosen subjects, applying theoretical knowledge to solve real-world challenges. The publication journey involves meticulous investigation, critical analysis, and collaborative efforts, fostering an intellectually stimulating learning environment. Beyond enhancing their research and writing skills, this process instils a sense of responsibility, motivating students to contribute valuable insights to their respective fields. Noteworthy is SSGMCE's emphasis on motivating students to publish their final-year projects, resulting in a remarkable and growing portfolio of student-authored publications.

Shri Gajanan Shikshan Sanstha's
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Department of Information Technology

RESEARCH DISSEMINATION

Session 2022-23

Research Papers Published in the Journals by Students

Sr. No.	Authors	Paper Title	Journal Name	ISSN/ ISBN	DOI	Publication Date
1	Shreya Kharche, Neha Saraf, Tushar Ingle, Omsing Bhonde	A System for Fitness and Health Care	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 8	2581-9429	10.48175/IJARSCT-9577	Apr-23
2	Prananjay Kandekar, Vrushali Pawar, Anjali Rathod, Omkar Mante	Student Time Line System for Students	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 3	2581-9429	10.48175/IJARSCT-9801	May-23
3	Ganesh Rahate, Pratik Warulkar, Aditya Band, Saurav Borle	Virtual Care: The Future of Virtual Healthcare	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 4	2581-9429	10.48175/IJARSCT-9260	Apr-23
4	Vedant Borkar, Yash Khadole, Chirag Soni, Praful Kiran Wankhade	Examining the Structure of QR Codes to Improve Encryption and Decryption	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 4	2581-9429	10.48175/IJARSCT-9287	Apr-23
5	Narendra Mahalle, Ujjwal Devre, Yash Bora	Sport-Strides (Sports Learning and Event System)	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 1	2581-9429	10.48175/IJARSCT-9702	May-23
6	Ashish Dandade, Pranav Tayade, Rushikesh Patil, Jayant Mitkari	Real Time Assistive System for Deaf and Dumb Community	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 07, Issue: 04	2582-3930	10.55041/IJSREM19702	Apr-23

R No	Gr.No	Name of the student	Project Guide	Published Paper title	Conference/ Journal .	Links
3	1	Apeksha Manish Mundhada	Prof. S.B.Pagrut	Heartcare: Heart Disease Detection using Machine learning	IJARSCT Journal	https://ijarsct.co.in/Paper9352.pdf
23		Rutika Shekhar Dharangaonkar				
51		Mohd Areeb Ozair Feeroz Khan				
71		Suryakant Ingle				
7	2	Duvya Agrawal	Prof. K P Sable	Online Examination Proctoring System Using Artificial Intelligence	IEEE National Students' Conference on Innovation in Rural Development	---
22		Radhika Maloo				
26		Shachi Chaware				
72		Suved Bhagwat				
74		Tanishq Nanda				
24	3	Sakshi Sanjayrao Deshmukh	Prof C. M. Manakar	Deploying Machine Learning Model on Cloud for Supermarket Sales Data Analytics and Forecasting	Journal of Information and Computational Science	https://joics.org/vol-13-issue-3-2023/
28		Shruti Lambe				
39		Anshul Ulhas Ghumadwar				
62		Sanket Tejrao Deshmukh				
69		Sudhanshu P. Deshmukh				
9	4	Ku. Gayatri Gajanan Zamare	Dr. P.K.Bhrane	Advanced Forecasting of Demandable Products Prices using Machine Learning Algorithm	IJARSCT Journal	https://ijarsct.co.in/A9511.pdf
10		**Ku. Gayatri Raghuwanshi***				
59		Rupesh Kailas Apar				
60		Rupesh Pralhad Dabhade				
79		Vaibhav Madhukar Wankhade				
40	5	Anurag Vinchurkar	Dr. R. A. Zamare	Voting System using Blockchain Ethereum (dApp)	IJARSCT Journal	https://ijarsct.co.in/Pdf
44		Chinmay Gulhane				
52		Mohad Daniyal Mohd Tahsin				
53		Mohd Meeran Iqbal				
56		Pramey Deshmukh				

						https://ijarsct.co.in/Papef
11	7	Harshita Ughade	Prof. V. S. Mahalle	Image to Image Search Engine	IJARSCT Journal	https://ijarsct.co.in/Paper9559.pdf
29		Shubhangi Thoke				
41		Ashish Mehare				
54		Nikhil Vishnu Jadhav				
75		Tejas Manoj Masurkar				
17	8	Pakhi Mujmer	Prof. V S Mahalle	Car-Pooling System (CapX)	IJARSCT Journal	https://ijarsct.co.in/Paper9633.pdf
31		Siddhi Sanjay Mehta				
70		Sumit Kumar Sethi				
73		Tanay Shah				
76		Thavar Rupesh Setiya				
80		Yash Dalal				
8	9	Dolly Gajanan Solanke	Prof. P. V. Deshmukh	An Effective Brain Tumor Detection System Using Deep Learning.	GIS SCIENCE JOURNAL,VOLUME 10, ISSUE 4 April 2023, ISSN NO-1869-9391	https://gisscience.net/volume-10-issue-4-2023/
12		Kanchan Bhagwanta Raut				
13		Mayuri Bandu Patil				
14		Mayuri Heda				
18		Palak Suresh Agrawal				
1	10	Ku. Aditi Vivek Dhote	Prof. P.V. Deshmukh	Diabetes Prediction using Machine Learning	(IJARSCT) International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal Volume 3, Issue 8, April 2023	https://ijarsct.co.in/Paper9556.pdf
4		Ku. Ashwini Santosh Ghate				
19		**Ku. Prajakta Haridas Mathe***				
35		Ku. Vrushali Narendra Mange				
20		Ku. Pratiksha Shrikant Patte				
36	11	Adish Nitin Raipure	Dr. N. M. Kandoi	Fake Product Identification using Blockchain	IJARSCT, Volume 3, Issue 4, April 2023	https://ijarsct.co.in/A9263.pdf
42		Atharva Ganesh Kolhe				
43		Bhavesh Mittal				
57		Ritesh Manusmare				
45		**Gagan Ravindra Wanjari***				
25	12	Sanjana Manoj Dhopte	Dr. J.M. Patil	The Effectiveness of LLMs in Mental Health	IJARCCE International Journal of Advanced Research in Computer and Communication Engineering	The Effectiveness of LLMs in Mental Health - Peer-
30		Siddhi Rajesh Taori				
33		Tejaswini Rakhonde				

50		Lokesh Chandak				reviewed Journal (ijarcce.com)
67		Shreyash Rane				
2	13	Ankita Subhash Kasab	Dr. P.K.Bharne	Stock Price Prediction Using Technical Analysis	IJARSCT Journal	—------
15		Namrata Devidas Hiwale				
27		Shivani Sudhir Dahake				
32		Swati Khatri				
62	14	Sarvesh Gajananrao Sonar	Dr.J.M Patil	Literature Review on Replication of voice using Deep Learning Technique	IJARSCT JOURNAL	http://ijircce.com/admin /main/storage/app/pdf/ Hxd8TQpY8rpMgYeh pqL2AVkYF1wokj5Ni ImKsNDa.pdf
63		Saurabh Milind Kedar				
68		Smitesh Gajananrao Sonar				
77		Trunay Murlidhar Wanjari				
21	17	Priya Sanjay Diwnale	Prof. C. M. Mankar	Currency Detector Android Application for Visually Impaired People	IJARSCT JOURNAL	https://ijarsct.co.in/Pap er9606.pdf
16		Nikita Shrinath				
34		Vinita Tiwari				
38		Anand Agrawal				
48		Himanshu Jamwal				

B. E. Final Year Project (2021-22)
Student Paper Publication

R No	Gr.No	Name of the student	Project Guide	Published Paper title	Conference/ Journal .	Links
6	1	Ku. Disha Vipinkumar Gupta	Prof. Dr. R. Dhotre	Content Based Image Retrieval Using Artificial Neural Network	International Journal of Advance Research in Science, Communication and Technology(IJARSCT)Vol 2, ISSUE 3, May 2022	https://ijarsct.co.in/Paper3818.pdf
9		Ku. Gunjan Rakesh Bhagat				
47		Ayush Anil Rathod				
48		Bharatkumar M.Kedia				
62		Prajwal Ashok Gawhale				
5	2	Ku. Dipali Kailas Mesare	Prof.S.B. Pagrut	The Face Mask Detection Test	International Journal of Advance Research in Science, Communication and Technology(IJARSCT)Vol 2, ISSUE 4, May 2022	----
18		Ku. Payal G. Sharma				
32		Ku. Sonal Raju Golhar				
17	3	Ku. Nisha Ramesh Kakade	Prof. J.M.Patil	Literature Review Education Data Mining and Learning Analytics	International Conference on Emerging Trends in Intelligent Computing, SVKM Institute of Technology, Dhule 23-24 December 2021	----------
21		Ku. Radhika Santosh Deshmukh				
39		Abhishek Sandip Moharir				
63		Prasad Pramod Ugale				
64		Prasad Uday Jawadekar				
35	4	Ku. Vijaya Dilip Narkhede	Prof.P V Deshmukh	An Effective Machine Learning Approach in Breast Cancer Detection	UGC Care "Journal of Information and Computational Science. Vol 12, Issue-4 4/4/2022 ISSN 1548-7741"	DOI:10.12733.JICS.2022.V12I04.535569.56084 https://joics.org/VOL-12-ISSUE-4-2022/
8		Ku. Gauri Vitthalrao Mahalle				
16		Ku. Nayan Vijay Raghatate				
27		Ku. Sampada Shrikant Vyas				
34		Ku. Tanuja Giridhar Paraskar				
43	5	Aman Chandrashekhar Sahu	Prof. C M Mankar	Diabetes Prediction using AWS Sagemaker	UGC Care "Journal of Information and Computational Science" ISSN:1548-7741, VOl 12, ISSUe 5, May 2022	https://joics.org/VOL-12-ISSUE-5-2022/ DOI:10.12733.JICS.2022.V12I05.535569.58034
56		Mitesh Sandeep Sakalkar				
68		Sanket Sanjay Bhageriya				

71		Shivam Sanjay Puri				
81		Vaibhav Shamkishor Choudhari				
50		Chinmay GajananPadmawar				
20	6	Ku. Radha Omprakash Kabra	Prof. V S Mahalle	Content Based Image Retrieval Using Machine Learning	International Journal of Advance Research in Science, Communication and Technology (IJARSCT)Vol 2, ISSUE 3, May 2022	https://ijarsct.co.in/Paper3847.pdf
28		Ku. Sejal Sunil Hashani				
45		Anishraj Shashishankar Singh				
46		Anurag Rajesh Tiwari				
53		Hriday Raj				
51	7	Chinmay Prashant Deshkar	Dr. N M Kandoi	Interaction with Paintings by Augmented Reality and Higher Resolution Visualization. A Real Case Exhibition	International Journal of Advance Research in Science, Communication and Technology(IJARSCT)Vol 2, ISSUE 2, May 2022	----------
76		Suyog Gopal Vyas				
80		Umang Gopal Mantri				
82		Viplav Nitin Khode				
22	8	Ku. Rasika Rajendra Wadhonkar	Prof. PK Bharane	Web Portal for Training and Placement Cell	International Journal of Advance Research in Science, Communication and Technology (IJARSCT) Vol 2, ISSUE 1, May 2022	---------
26		Ku. Sakshi Sanjay Thombare				
29		Ku. Shital Kamlakar Patil				
33		Ku. Sonal Ramesh Wankhade				
57		Mujahidahmed S.Sayyed				
72		Shreyas Shrikant Patil				
		Pratik Unhale (3S)				
		Aditya P. Mahore (3S)				
41	10	Aditya Arun Sambare	Prof. K P Sable	Review on Sentimental Analysis of Marathi Language	UGC Care "Journal of Information and Computational Science. Vol 12, Issue 5, May 2022 ISSN 1548-7741	https://joics.org/VOL-12-ISSUE-5-2022/ DOI:10.12733.JICS.2022.V12I05.535569.58020
42		Akshaykumar Bhople				
49		Chetan Parvatrao Marode				
74		Sudhanshu R.Sathawane				
78		Tanmay Prabhakar Thag				
40	11	Adarsh Anand Mundada				

44		Aniket Prakash Sangle	Prof. C M Mankar	BART Model Text Summarization: An Analytical Survey and Review	International Journal of Advance Research in Science, Communication and Technology(IJARSCT), Vol 2, Issue 5, May 2022	https://ijarsct.co.in/Paper 4035.pdf
55		Manoj Vinayak Navrange				
61		Pavan Gajanan Malviya				
67		Sahil Nagrale				
3	12	Ku. Deepali R Masne	Prof. JM Patil	1. Prediction Analysis of Big Mart Sales Using Machine Learning 2. Machine Learning Based Prediction of Big Mart Sales	1. International Conference on Emerging Trends in Intelligent Computing,SVKM Institute of Technology, Dhule 23-24 December 2021 2. UGC Care "Journal of Information and Computational Science. Vol 12, Issue 4, 5th May,2022 ISSN 1548-7741"	-----
12		Ku. Kimaya Sanjay Gabhane				
19		Ku. Pratiksha Dattu Dake				
54		Mandar Sachin Deshmukh				
77		Swaraj Ghawale				
13		Ku. Kiran Sopan Lande				
30		Ku. Shivani Sanjay Joshi				
73		Shrikant Lahoo Jugnake				
79		Tejas Kailas Wagh				
10		Ku. Homeshwari Vilas Jadhao				
25	14	Ku. Sakshi Prashant Thakre	Prof. PV Deshmukh	Sentiment Analysis of Customer Product Reviews	UGC Care "Journal of Information and Computational Science. Vol 12, Issue-4 4/4/2022 ISSN 1548-7741"	DOI:10.12733.JICS.2022.V12I04.535569.56108 https://joics.org/VOL-12-ISSUE-4-2022/
2		Ku. Chetakshi Hemraj Hajare				
11		Ku. Khushbu T.Bhattad				
14		Ku. Mansi Vasant Paturkar				
23		Ku. Sakshi Anand Dhanuka				
4	15	Ku. Dhanashree M.Rathi	Dr. N M Kandoi	CNN Based Criminal Identification	International Journal of Advance Research in Science, Communication and Technology(IJARSCT) ISSN-2581-9421, Vol 2, Issue 2, May 2022	
7		Ku. Gargi Anand Tela				
24		Ku. Sakshi Prashant Hiwrale				
31		Ku. Shruti Mukundrao Dhave				
66	16	Sachin Singh	Prof. P K Bharane	Smart Health Consulting and Online Health Shopping Portal with Product Recommendation System	International Journal of Advance Research in Science, Communication and	https://ijarsct.co.in/Paper 3669.pdf
69		Sanskar Pankaj Mudholkar				
36		Aashish Makwana				

					Technology(IJARSCT), ISSN 2581-9429, Vol 2, Issue 2, May 2022	
58		Navaneet V.Awajare				
60		Omkar Bhagwant Chaudhari				
70		Saurabh Sanjay Zaparde				
15	17	Ku. Monika Vinod Dongare	Prof. K P Sable	Machine Learning Approaches For Heart Disease Prediction : An Analytical Survey And Review	UGC Care Mukt Shabd Journal, Vol XI, Issue V, May 2022	https://app.box.com/s/279en3yrax7q8wfpefdhdp6h9rp3pb2t https://shabdbooks.com/volume-11-issue-5-2022
59		Om Raju Tekade				
65		Rahul S.Samudrawad				
75		Suraj Dipak Sherekar				
37		Abhishek Saha				
52		Govinda Dange				

B. E. Final Year Project (2020-21)
Student Paper Publication

R No	Gr.No	Name of the student	Project Guide	Published Paper title	Conference/ Journal .	Links
2	3	Ku. Aditi Vinod Motekar	Prof. P.V. Deshmukh	A Deep Learning Approach in Skin Cancer Prediction	International Journal of Science & Engineering Development Research ISSN: 2455-2631, Vol. 6, Issue 6,June 2021, Paper ID-IJSDR2106009	https://ijsdr.org/viewpaperforall.php?paper=IJSDR2106009
10		Ku. Dolly Anil Soni				
30		Ku. Radhika Kailash Sharma				
60		Saumya Ravindra Agrawal				
9	12	Ku. Divyani Arun Sable	Prof. M.G. Ingale	Supply Chain using Blockchain (Healthcare Industry)	International Journal of Science & Research (IJSR) ISSN: 2319-7064 Vol 10 Issue 4, April 2021	-------------------------
41		Ku. Vishakha Pramod Khachane				
64		Shreyash Sudhir Dawake				
66		Shyam Jamman Parmeshwar				
71		Yash Ghanshyam Purohit				
23	17	Ku. Neha Niraj Vyas	Prof. M.G. Ingale	"Aerocart- The Smart Delivering System"	International Journal of All Research Education and Methods (IJARESM) ISSN: 2455-6211 Vol 9, ISSUE 5, May 2021	--------------
25		Ku. Parul Premsagar Dongre				
34		Ku. Sayali Randhir Sawarkar				

B. E. Final Year Project (2019-20)
Student Paper Publication

Roll No	Gr No	Name of the student	Guide	Paper Title	Conference/Journal	Link
ME	ME	Karuna Vijay Pawar	Dr. D. R. Dhotre	A survey on MRI brain Cancer Classification Technique	Journal of Emerging Technologies and Innovative Research volume 6 Issue 6,June2019	https://www.jetir.org/papers/JETIR1906300.pdf

B. E. Final Year Project (2018-19)
Student Paper Publication

Roll No	Gr No	Name of the student	Guide	Paper Title	Conference/Journal	Link
ME	ME	Miss. Renuka P. Arbat	Dr. Dhanraj R. Dhotre	System for Content-Based Image Retrieval using Wavelet Transform and Histogram Features	International Journal of Emerging Tehnologies and Innaovative Research (JEIR)) Volume 6 Issue 5, May 2019	https://www.jetir.org/papers/JETIR1905K03.pdf
ME	ME	Sayali Nemade	Prof C.M.Mankar	Forecasting Air Quality for Air Pollution levels in Urban Areas	JETIR, Volume 6, Issue 4, , April 2019	https://www.jetir.org/view?paper=JETIR1904F94
ME	ME	Sayali Nemade	Prof C.M.Mankar	A survey on Machine Learning Tech for Air Quality Forecasting	IJRASET, Volume 7, Issue 4,	ijraset.com/fileserve.php?FID=21894

ME	ME	Mohd Ashar S.A. Khan	Prof C.M.Mankar	Forecasting Union Budget of India By Linear Regression with Standard Error Adjustment	IJTIMES, Volume 5, Issue 3, April 2019	https://www.ijtimes.com/IJTIMES/index.php/ijtimes/article/view/2663
ME	ME	Swati B Daberao	Prof V.S.Mankar	Secure Content-Based Image Retrieval in Cloud Computing	IJRECE, Volume 7, Issue 2, April to June 2019	Vol. 7 Issue 2 (April - June 2019) Version 1 (i2or-ijrece.com)
ME	ME	Miss. Ashwini T. Chauhan	Prof. J.M.Patil	Research on Data Recovery using Cloud Mirroring Technique with Load Balancing"	International Open Access Journal of Emerging Technologies and Innovative Research (JETIR) Volume 6 Issue 4, April 2019.	https://www.jetir.org/papers/JETIR1904G21.pdf
ME	ME	Miss. Ashwini T. Chauhan	Prof. J.M.Patil	Survey on Data Recovery Techniques such as HS-DRT , Parity Cloud Service and Mirroring Technique for Lost Data in Cloud Computing	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES Volume 05 Issue 03, March 2019.	https://www.ijtimes.com/IJTIMES/index.php/ijtimes/article/view/2655

Student Publication Electrical Engineering

Sr. No	Title of the Paper	Author	Details (Journal/Conference)	Impact Factor	Citation/Index
1	Design and Development of E-Cargo Bicycle	Tejal Thakare Harsha Lande Abhishek Bathe Faizankhan Pathan Prathamesh Kalpande	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 5, May 2023	7.301	Google Scholar
2	Design and Development of UAV Based Pesticide Sprayer in Agriculture Application	Gaurav Kedar Amit Bahekar Nishant Matode Rohan Paralikar Suraj Wagh Sanket Wankhede	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 8, April 2023	7.301	Google Scholar
3	Making Smart Helmet for Amart City	Apurva Dabhade Vaishnavi Urkude Aishwarya Kathole Gayatri Masne Tejaswini Masne Uday Deshmukh	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 8, April 2023	7.301	Google Scholar
4	Development of Anti-Riot Electric Shield for Defense Agency	Abhijeet Solanke Hitesh Chandewar Aditya Dhoran Shrunkhal Bambode Prachi Chafale Homeshwari Deotale	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 3, May 2023	7.301	Google Scholar
5	Indoor Solar Based Cooking Stove with Storage	Saurabh Satao Harshal Shelke Yashwant Dahibhat Harish Thokane Parth Gawande Pratik Maghade	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 2, May 2023	7.301	Google Scholar
6	Solar Based EV Charging Station using RFID	Prajwal Thakare Harshal Shegokar Revati Borde	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 4, April 2023	7.301	Google Scholar
7	Design of State of Charge Estimation Method for Battery Management System of Electric Vehicle	Gayatri Eadaskar Neha Akhade Shreya Dambe Gaurav Khedkar Gaurav Ghenge Jayesh Pingale	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 5, May 2023	7.301	Google Scholar
8	Miniature Working Model of 33/11 kV Substation	Ankita Madiwale Gauri Masne Sejal Hattel Tanuja Wankhade Vaishnavi Maharkhede	International Journal of Advanced Research in Science, Engineering and Technology, Volume 10, Issue 4, April 2023	6.684	Google Scholar
9	Transmission Line Faults Analysis using S-Transform and ANN	Chinmay Patil Kaushal Dave Pratik Hiralkar Rahul Katore Tejas Bhoinwad Vaishnavi Bhalerao	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 5, May 2023	7.301	Google Scholar
10	Design and Control of Microgrid Fed by Renewable Energy Generating Source	Kunal Badhe Kunal Gunjal Shriprasad Gawande Anuroop Jadhav Vishwajeet Solanke Vaibhav Wankhede	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 5, May 2023	7.301	Google Scholar
11	EV Charging Station using RFID Technology based on Solar	Akshay Bathe Aniket Patekar Rutuja Hirade	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 4, May 2023	7.301	Google Scholar
		Azhar Fakira Saqulain Nazir	International Journal of Advanced		

12	Power Generation by using Animal Waste	Prajwal Deshmukh Mayuri Kharpate Manjushree Narwade Aakansha Nardange	Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 4, May 2023	7.301	Google Scholar
13	Charging Station for E-Vehicle using Renewable Source	Aishwarya Tayade Bhushan Gandhi Deepali Kharate Jayesh Bansod Pranali Kharate Sakshi Aware	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 3, Issue 7, May 2023	7.301	Google Scholar
14	Design And Simulation of BLDC Motor	Prathamesh Chaudhari Sakshi Kshirsagar Ajinkya Ingale Sakshi Mhaske Priyatosh Chatterjee Shubhankar Kathale	International Research Journal of Modernization in Engineering Technology and Science, Volume 4, Issue 5, May-2022	6.752	Google Scholar
15	Development of Smart Emergency Detection System for Hospital	Atharva Deshmukh Atul Devkate Kanav Sharma Pradip Tayade Sachin Bansode Yash Saharkar	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 5, May 2022	6.252	Google Scholar
16	Simulation of Battery Electric Vehicle by Using MATLAB-Simulink	Dhanashree Joshi Gayatri Kulkarni Kanchan Wakode Samiksha Thool Shreya Parkhe Vaishnavi More	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 8, May 2022	6.252	Google Scholar
17	Development of Solar Based E-Bicycle	Ashwini Wagh Mansi Rajput Punam Makh Rushikesh Bodade Sachin Gaikwad Shubham Shekokar	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 5, May 2022	6.252	Google Scholar
18	Discrimination Between Inrush Current from Interturn Fault Current in Transformers based on the Non-Saturation Zone	Shivani Manatkar Komal Tayade Abhishek Patil Adarsh Moon Sumit Mahajan Ashwini Rajagur	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 7, May 2022	6.252	Google Scholar
19	Design and Implementation of Automatic Money Counting and Sorting System	Prince Zod Ritesh Chavan Aniket Thakare Vishal Paikat	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 7, May 2022	6.252	Google Scholar
20	Battery Management System of Electric Vehicles	Amisha A. Lonagre Anuksha N. Raut Arpita P. Ingle Dhanshree D. Bhise Manjusha K. Ingle Pooja S. Sharma	Research Inventy: International Journal of Engineering and Science Vol.12, Issue 6 (June 2022), PP 15-24 ISSN (e): 2278-4721, ISSN (p):2319-6483	--	Google Scholar
21	Battery Management System for Green Energy Storage	Shripad Shrihari Chopde Nishant Babarao Akhare Charan Mohan Kakad Lokesh A. Gulhane Vedant W. Warfade Ashutosh Vijaysing Ingle	International Research Journal of Modernization in Engineering Technology and Science, Volume 4, Issue 5, May-2022	6.752	Google Scholar
22	Generation of Power Quality Events of Different Underlying Causes using Simulation	Aditya Mahore Neha Dhande Pooja Deshmukh Pratik Unhale Supriya Dambe Yashashri Patil	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 7, May 2022	6.252	Google Scholar
		Preeti Fulare	Research Inventy: International		

23	Wavelet and ANN based approach for Classification of Power Quality Disturbances using LabVIEW	Pallavi Arbat Krutika Akhare Raj Udapurkar Rohan Pachpor Niketan Bopte	Research Invenly: International Journal of Engineering and Science Vol.12, Issue 6 (June 2022), PP 15-24 ISSN (e): 2278-4721, ISSN (p):2319-6483	--	Google Scholar
24	Whiteboard Cleaning Mechanism for Classrooms	Roshan Rajas Pratik Bhivate Dhananjay Mhaisane Prasad Patil Pratik Jadhav	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 6, May 2022	6.252	Google Scholar
25	MATLAB Simulation of Three Phase Grid Connected Solar Photovoltaic System	Divyanshu Raj Krunal Ajay Rokde Neha Rajendra Deshmukh Shweta Anil Mankar Prakash Vyankat Surwase Rutik Santosh Balkar	International Research Journal of Modernization in Engineering Technology and Science, Volume 4, Issue 5, May-2022	6.752	Google Scholar
26	Smart Street Light Using Intensity Controller	Nidhi Agrawal Saurabh Patil Laxmikant Tekam Shyam Kokate Pankaj Dhirbassi	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 6, May 2022	6.252	Google Scholar
27	AC Power Controller using Programmable Interface	Ashwin Shelke Bhuvanesh Kulkarni Parinati Deshmukh Swatej Sawale	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 3, May 2022	6.252	Google Scholar
28	Transmission Line Parameters Monitoring system using IoT	Mayur Apotikar Vishal Chandak Santosh Daberao Shoeb Shah	International Journal of Interdisciplinary Innovative Research &Development (IJIIRD), ISSN: 2456-236X, Vol. 6, Issue 2, 2022	5.222	Google Scholar

3.3.1 Number of research papers published by students in the Journals notified on UGC website during the last five years

Academic Year 2022-2023

SN	Title of paper	Name of the author/s	Department of the student	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enl / Link to website of the Journal
1	Design and Development of Automatic Sorting of Railway Platform Dustbin-Waste for Efficient Recyclability	Apurv Savji, Mr. Deepak Gujar, Mr. Govind Pitty, Mr. Krushna Thakare, Mr. Ritik Kuntawar,	Mechanical Engineering	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2023	2581-9429	https://ijarsct.co.in/
2	Design and Development of Portable Solar Power Unit	Ankit G. Nikhare, Shubham V. Gawande, Siddhaling S. Lingade, Vaibhav V.	Mechanical Engineering	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2023	2581-9429	https://ijarsct.co.in/
3	Design and Development of Smart LPG Cylinder Stand	Deshmukh, Mr. Aniket Kalore, Mr. Abhishek Wankhade, Mr. Amit Varma, Mr.	Mechanical Engineering	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2023	2581-9429	https://ijarsct.co.in/
4	Design and Development of Variable Flow of Pesticide Sprayer for Agriculture Purpose	Ritesh Hinge, Hrishikesh Hulke, Varad Sovale, Gaurav Jadhao, Angad Salokar	Mechanical Engineering	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2023	2581-9429	https://ijarsct.co.in/
5	Design & Fabrication of Portable Medical Refrigerator	Darshan Chaure , Tushar Joshi, Bhushan Rothe, Tushar Puri, Mohit Lanjudkar	Mechanical Engineering	International Journal of Scientific Research in Engineering and Management (IJSREM)	2023	2582-3930	https://ijsrem.com/
6	Design and Fabrication of Robotic Storage and Retrieval System for Footwears	Darlawar, Ishika Isolikar, Ajay Solanke, Shrikant Pathak, Dr. Nilesh H. Khandare	Mechanical Engineering	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2023	2581-9429	https://ijarsct.co.in/
Academic Year 2021-2022							
1	DESIGN AND FABRICATION OF IoT ENABLED AIR PURIFICATION SYSTEM	Prof.Pradip Patokar,	Mechanical Engineering	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2022	2581-9429	https://ijarsct.co.in/

2	Development of Low Maintenance Desert Cooler	Prof. C. V. Patil, Jivan Ambhore, Vaibhav Deshmukh, Sarvesh belokar, Pragati Tayade,	**Mechanical Engineering**	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)		2022	2581-9429	https://ijarsct.co.in/
3	Review of Dual Axis Solar Tracker and Development of Prototype	Ritik Barwad, Dhawal Raja, Atharva Wakodikar, Kamran Ozair, Sagar Bhagwat, Deepak	**Mechanical Engineering**	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)		2022	2581-9429	https://ijarsct.co.in/
4	Hazards Associated with EVS - A Review	Vaishnavi Bhatkar, Harish Deshmukh, Bharati Bhosale, Shubham Bhanarkar, Sohil Shekh, Kunal	Mechanical Eng	International Journal of Engineering Research & Technology (IJERT)	2022		2278-0181	http://www.ijert.org
5	DESIGN AND FABRICATION OF SMOKE TUNNEL	Ritika Dhenge, Vaibhav Kolhe, Saurabh Uike, Sampada Pachpor, Amit Ghode	Mechanical Eng	International Research Journal of Modernization in Engineering Technology and Science	2022		2582-5208	http://www.irjmets.com
6	A Review on Thermal Management of Electric Vehicle	Ruchi Joshi, Sumit Thakare, Sonal Jangale, Yash Rewatkar, Abhinav Dhale, Prof. S. Q.	Mechanical Eng	International Journal for Science and Advance Research In Technology	2022		2395-1052	http://www.ijsart.com
7	Fabrication of Robot to Assist the Firefighter	Krushna Khade, Kunal Deshmukh, Shubham Chhadi, Roshan Ladole, Rushikesh Burukale,	Mechanical Eng	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2022		2581-9429	http://www.ijarsct.co.in
8	Semi Automated Drainage Cleaning Machine	Mayur Mahajan, Darshan Laddha, Sagar Kapgate, Ayush Rajput, Prathmesh	Mechanical Eng	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2022		2581-9429	http://www.ijarsct.co.in
9	Design and Development of a Portable Thermo-Electric Cooler Bottle	Sanjay Patil, Kinshuk Sugandhi, Krushna Gaikwad, Ashwin Pote, Vedika Dalvi	Mechanical Eng	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2022		2581-9429	http://www.ijarsct.co.in
10	Design and Fabrication of Portable and Foldable Sand Filter Machine	Prof R. V. Rajkolhe, Anas Khan, Ashwini phate, Kunal Kadu, Makarand Pandao, Pratik Fasate	Mechanical Eng	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2022		2581-9429	http://www.ijarsct.co.in

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Self Learning:

Self-learning serves as a dynamic form of participative learning at SSGMCE, empowering students to take control of their educational journey. Through self-directed exploration, students actively engage with course materials, delve into supplementary resources, and seek out practical applications of theoretical concepts. This approach fosters a sense of responsibility, independence, and critical thinking as students navigate the intricacies of their subjects. At SSGMCE, students are motivated and encouraged to go beyond the classroom, exploring diverse perspectives and taking ownership of their intellectual growth

SSGMCE students participate in NPTEL Swayam, immersing themselves in a diverse range of MOOCs courses to broaden their knowledge and skills.

NUMBER OF NPTEL CERTIFICATIONS DONE BY STUDENTS

YEAR	DEPARTMENT						TOTAL
	CSE	IT	EXTC	ELPO	MECH	MBA	
2022-23	11	7	17	5	1	--	41
2021-22	21	18	5	5	10	1	60
2020-21	3	2	2	--	3	5	15
2019-20	16	8	1	2	3	28	58
2018-19	13	4	4	1	5	17	44

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NPTEL COURSE CERTIFICATIONS BY STUDENTS
SESSION: 2022-23

SR NO	NAME OF STUDENT	COURSE NAME	BRANCH
1.	Divya Metange	Cloud Computing	CSE
2.	Pravdnya More	Business Analytics and Text Mining Moduling Using Python	CSE
3.	Bhuvnesh Kale	Demystifying Networking	CSE
4.	Dnyaneshwari Chatarkar	Data Base Management System	CSE
5.	Bhumika Pimpalshende	The Joy of Computing using Python	CSE
6.	Pranita Tondre	The Joy of Computing using Python	CSE
7.	Soham Ardhapurkar	The Joy of Computing using Python	CSE
8.	Rasika Lahane	The Joy of Computing using Python	CSE
9.	Sneha Khatke	Cloud Computing and Distributed Systems	CSE
10.	Shreya Ingale	Cloud Computing and Distributed Systems	CSE
11.	Bhumika Pimpalshende	Problem solving through Programming in C	CSE
12.	Krushnaraj Jadhav	Python For Data Science	IT
13.	Riya Chikankar	Programming In Java	IT
14.	Tejas Moon	Programming In Java	IT
15.	Saurabh Yengade	Programming In Java	IT
16.	Khushboo Pareek	Programming In Java	IT
17.	Juee Gore	Data Base Management System	IT
18.	Pavan Gautam	Programming In Java	IT
19.	Sakshi Pimparkar	Cloud Computing	EXTC
20.	Yash Tote	Programming In Java	EXTC
21.	Sakshi Deshmukh	The Joy of Computing using Python	EXTC
22.	Sarla Paraskar	The Joy of Computing using Python	EXTC

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23.	Unnati Kharate	The Joy of Computing using Python	EXTC
24.	Shivani More	The Joy of Computing using Python	EXTC
25.	Shruti Ingale	Data Base Management System	EXTC
26.	Yukta Morey	Programing Data Structures And Algorithms Using Python	EXTC
27.	Gaurav Dudhkohale	System Design Through VERILOG	EXTC
28.	Rajat Patil	Hardware Modeling Using Verilog	EXTC
29.	Rajat Patil	Embedded System Design with ARM	EXTC
30.	Rajat Patil	Introduction To Internet Of Things	EXTC
31.	Sakshi Pimparkar	Advanced Power Electronics and Control	EXTC
32.	Shruti Ingale	Cloud Computing and Distributed Systems	EXTC
33.	Tushar Hadge	CMOS Digital VLSI Design	EXTC
34.	Amit Bahekar	VLSI Signal Processing	EXTC
35.	Sakshi Chopde	Data Base Management System	EXTC
36.	Prajwal Tonge	Electric Vehicles- Part I	ELPO
37.	Prajwal Tonge	Recent Advances in Transmission Insulators	ELPO
38.	Rohan Parikar	VLSI Signal Processing	ELPO
39.	Uday Deshmukh	Digital Protection for Power System	ELPO
40.	Suraj Wagh	Digital Protection for Power System	ELPO
41.	Varad Deshmukh	Biomechanics of Joints and Orthopedic Implants	MECH

TOTAL CERTIFICATIONS = 41

11 (CSE) + 7(IT) + 17(EXTC) + 5(ELPO)+1 (MECH)

KPsable

NPTEL / MOOCS Coordinator

Shri Gajanan Shikshan Sanstha's
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Sample Certificates:

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

KRUSHNARAJ JADHAV

for successfully completing the course

Python for Data Science

with a consolidated score of **60** %

Online Assignments	21.17/25	Programming Assignment	10/25	Proctored Exam	28.33/50

Total number of candidates certified in this course: **3991**

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2022
(4 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION
swayam
शिक्षित भारत, उन्नत भारत

Roll No: NPTEL22CS74S23302050   To validate the certificate   No. of credits recommended: 1 or 2

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

PRAVADNYA DNYANESHWAR MORE

for successfully completing the course

Business Analytics & Text Mining Modeling Using Python

with a consolidated score of **69** %

Online Assignments	19.58/25	Proctored Exam	49.5/75

Total number of candidates certified in this course: **368**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jul-Sep 2022
(8 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

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शिक्षित भारत, उन्नत भारत

Roll No: NPTEL22MG68S24340134   To validate the certificate   No. of credits recommended: 2 or 3

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Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

YUKTA PRADIP MOREY

for successfully completing the course

Programming, Data Structures and Algorithms Using Python

with a consolidated score of **70** %

Online Assignments	25/25	Programming Assignment	25/25	Proctored Exam	20/50

Total number of candidates certified in this course: **1825**

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Sep 2022
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

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Roll No: NPTEL22CS70S24340191   To validate the certificate   No. of credits recommended: 2 or 3

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NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

BHUMIKA NARENDRA PIMPALSHENDE

for successfully completing the course

Problem Solving through Programming in C

with a consolidated score of **53** %

Online Assignments	23/25	Proctored Exam	30/75

Total number of candidates certified in this course: **3749**

Jan-Apr 2023

(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam
FREE ONLINE EDUCATION

Roll No: NPTEL23CS53S44272436   To validate the certificate   No. of credits recommended: 3 or 4

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Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

PRAJWAL PRAKASH DONGE

for successfully completing the course

Electric Vehicles - Part 1

with a consolidated score of **68** %

Online Assignments	23.33/25	Proctored Exam	44.39/75

Total number of candidates certified in this course: **1010**

Devendra Jalihal
Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Feb 2023
(4 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL23EE01S44780075   To validate the certificate   No. of credits recommended: 1 or 2

PRINCIPAL
Shri Sant Gajanan Maharaj
College of Engineering,Shegaon.

END OF POINT

Shri Gajanan Shikshan Sanstha's

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Problem-Solving Methodology

Problem-solving methodology stands as a cornerstone of student-centric learning at SSGMCE. By focusing on real-world challenges, students actively engage in critical thinking, analytical reasoning, and collaborative problem-solving. This approach empowers them to apply theoretical knowledge to practical scenarios, fostering a deeper understanding of the subject matter. Various components of this technique practiced at SSGMCE include the following

Project-Based Learning (PBL)

Project-Based Learning (PBL) at SSGMCE serves as an effective problem-solving methodology, providing students with a dynamic and hands-on approach to education. Through PBL, students tackle real-world problems, fostering critical thinking, collaboration, and practical application of theoretical knowledge. The methodology encourages students to explore solutions independently, enhancing their problem-solving skills and preparing them for the complexities of their future careers. At SSGMCE, PBL is integrated into various disciplines, allowing students to engage with challenging projects that mirror industry scenarios.

Students of SSGMCE fabricated self-propelled onion Harvester fir TIFAN 2018 and were selected for 2019 competition.

Group photo during SAEINDIA 2019

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SAEINDIA TEAM
TIFAN
2019_20

Designation	Name of Students
Captain	Punit Pahune
Vice-Captain	Govardhan Rokade
Design Head	Rupesh Chaudhary
Design Members	Gaurav Thakare
	Shraddha Salivkar
	Manoj Pagrut
Transmission Head	Anmol Dakhole
Transmission members	Kartik Rane
	Shubham Kulkarni
	Vaibhav Khawashi
Steering Head	Vaibhav Ghatol
Steering members	Prajkta Hadole
	Sampada Thombare
	Satyalaksha Jawade
Manufacturing Head	Sohil Shekh
Manufacturing Members	Prajkta Hadole
	Rahul Bahekar
	Pradyumn Raut
Finance/Marketing Head	Pankhuri Jagdale
Finance/Marketing Members	Kapil Wawre
	Sandesh Wankhade
	Vishal Karad
Documentation Head	Ashwini Phate
Documentation Members	Vedika Dalvi
	Makarand Pandav
	Rushikesh Burukule
	Shubham Bhanarkar
	Vedant Kothadkar

Prof. M. B. Bhambere
Faculty Advisor, SAEINDIA Stu. Chapter

Head
Department of Mechanical Engineering
S.S.G.M.College of Engineering
Shegaon - 444203
(M.S.) INDIA

Dr. S.P.Trikal
Mech. Engg. Dept.

Shri Gajanan Shikshan Sanstha's

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SAEINDIA is off highway US based global association. Which is organising TIFAN for the first time. We know that INDIA is an agriculture country but only 10% of farming is done by mechanized tools. In order to overcome this problem, SAEINDIA had taken initiative and launch **TIFAN** i.e. *Technological Innovation Forum for Agricultural Nurturing.*

- Its purpose is to solve agricultural problem using mechanised solution.
- Successfully completed Virtal Round of TIFAN 19-20
- This time also main event is organised at MPKV, Rahuri,Ahemadnagar.
- Modification need to make in **self -propelled onion harvester** for this competition.
- Companies like **BKT Tyres**, **ARAI**, **John Deere**, **AGROWON**, **Eaton**, **CAT, Ansys, Cummins** etc. will be sponsoring TIFAN competition .
- We will get opportunity once again for representing our college at national level.

Theme of the Project: Self-Propelled Onion Harvester

Self-Propelled onion harvester is not yet developed in INDIA. As it's being Second Largest country cultivating onion its productivity is comparatively low to the other countries. It is due to the less developed techniques in onion harvesting which we are trying to overcome by developing onion harvester.

- TIFAN is going to provide innovative solution towards product design and development challenge.
- This onion harvester will perform main function of Digging , collecting , cleaning and storage.
- It has great material handling capacity of about 100 kg which can reduce farmer efforts to great extent.
- It will help to reduce time,money and labour.
- Thus it will provide a solution for increasing productivity.
- It can have good market value being affordable and usable for farmers.
- New design and modification are required for this competition

Advantages of self propelled Onion Harvestor :

- High productivity, Less time consumption, Reduces labour work, Less Damage to crops, Increases crop life and high efficiency.

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Proposed Model of Onion Harvester

- The working Principle of this proposed Onion harvester is based on loosening the soil around the bulb ,pick and transfer the onion bulb , separate the soil from onion and finally to stock onion in storage bin.

- Soil and crop are transferred into a series of webs where, the loose soil is sieved out.

- Considering the above sequence of Operations the onions will be harvested using Kirloskar Diesel Engine as a prime mover.

Lossening/dig soil around the onion bulb (New digger Design)	Hold/convey loosened onion	Separate soil from onion (New conveyor design)	Collect and unload onion (Modification in holding onion)

Manufacturing of Onion Harvester at SSGMCE Workshop:

Photos during manufacturing of Onion Harvester

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TIFAN COMPETITION 2019 (MPKV Rahri, Ahmadnar):

Group photos during TIFAN Competion

Shri Gajanan Shikshan Sanstha's

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SAEINDIA TIFAN Team with Hon'ble Director sir, Principal sir and HOD sir.

Prof. M. B. Bhambere
Faculty Advisor, SAEINDIA Stu. Chapter

Dr. S.P.Trikal
Mech. Engg. Dept.

Shri Gajanan Shikshan Sanstha's

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BAJA SAE INDIA 2020

SSGMCE students designed and built a prototype of a rugged single-seat four-wheel ATV (All-Terrain Vehicle) for the 13th edition of the prestigious Mahindra BAJASAE INDIA 2020 hosted by Chitkara University, Punjab from March 5th to March 8th, 2020. Team SSGMCE secured the 3rd rank in the Endurance Race

Photo of Winner Team in BAJA SAE INDIA

Shri Gajanan Shikshan Sanstha's

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SAEINDIA Student Chapter
2019-20

SHRI SANT GAJANAN MAHARAJ
COLLEGE OF ENGG. SHEGAON

SAE INDIA
Society of Automotive Engineers

CONGRATULATIONS!!!

We are very glad to announce that the following students have been selected as integral part of **SAE BAJA TEAM 2019-20**

1 Cp. Jayesh Tale
2 Vc. & D. Pranav Chandurkar
3 Aditya Wadatkar (member)
4 Rupesh Choudhary (member)
5 Suraj Shelke (member)
6 Ratnanabh Patil (member)
7 Akshay Chaudhari (member)
9 Krishna Thakre (member)
10 Aniket Lakde (member)
11 Yogita Mirge (member)
12 Darshan Sawarkar (member)
13 Munib Ul Haque (member)
14 Sumit Thakre (member)
15 Darshan Laddha (member)
16 Deepak Nagar (member)
17 Atharwa Wakodikar (member)
18 Dhanraj Burewar (member)
19 Dhawal Raja (member)

20 Ruchi Joshi (member)
21 Mrunal Bajare (member)
22 Ritika Dhenge (member)
23 Sonal Jangale (member)
24 Prasanna Patil (member)

Dr. S.P. Trikal

HOD
Mechanical Department

Prof. M.B. Bhambere

Faculty Advisor SAE Student
Chapter

Shri Gajanan Shikshan Sanstha's

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BAJA 2020 Report

(SAEINDIA Student Chapter, Mech. Engg. Dept. SSGMCE,Shegaon)

Chitkara University, Punjab had successfully hosted the 13th edition of the prestigious Mahindra BAJASAE INDIA 2020 on 5th march 2020 to 8th march 2020. Chitkara University hosted this event in association with SAEINDIA and Mahindra & Mahindra Ltd. Professor Dileep Malkhede, Advisor, AICTE and Professor Dr. Sagar Maji, Director DITE (Delhi Institute of Tool Engineering) were the Chief Guest and Guest of Honor respectively.

We were 24 members, along with our Faculty Advisor Prof. M.B.Bhambere, additional faculty Prof. S. Q .Syed and Mr. Ramdas Pachade with Captain Mr. Jayesh Tale and our vice-captain and Driver Mr. Pranav Chandurkar. In our team, 7 from final year members, 5 from 3rd year and 12 from 2nd year. The goal of the event was, each team has to design and build a prototype of a rugged single seat four wheel ATV (All Terrain Vehicle) that has to go through multiple tests and then compete in endurance race.

Total **82** teams got selected for m BAJA 2020 at Chitkara University, Punjab. However with challenging tests, **only 34** teams were able to make it for the Endurance Race and we were one of them.

The four-day event started with a basic Static Evaluation round that comprises design evaluation, cost evaluation and marketing presentation. In the final round, the teams had to showcase their prototype of a single-seat, off-road, four-wheel vehicle and were evaluated on various parameters like engineering design, CAE, Cost and Innovation. Our team overall score were, In sales Event we got 24.5 out of 50, In cost event we got 84.5 out of 100, In design event we got 103.3 out of 150.

After this, the Dynamic Evaluation Round started, which was all about testing the vehicles for acceleration, sledge pull, maneuverability along with Suspension & Traction In acceleration event we got 66.5 out of 75 and we got 15.6 in Sledge pull event. Then on 8th march the four-hour endurance race was flagged off by Professor Dileep Malkhede, Professor Sagar Maji along with other dignitaries. A 2 km long race track consisting of muddy pits, cliffs and slopes of 15-20 feets of height and the continuous rains that happened for almost 2 days before the event, made the competition even more difficult. Our SSGMCEan team were hustling with that dedication and hard work clearly payoff. And Because of that we got **3rd Rank in Endurance Race**. Our Atv completed 12 laps in 4 hours and scored 282.4/ in Endurance Race (out of 400) full of mud pools with no breakdown. And our overall score is 576.7 out of 925. (first Rank was at 777.1/925) And this is how it done with tons of Hearts Break and massive learning lessons. And eventually all teams won because at the end of the day it's all about learning. Even in unkind weather conditions, LOGAN still Fly High.

We are very much thankful to our Hon'ble Management, Principal, HOD and Faculty advisor for constant encouragement and support for making this project successful. Special thanks to our management for financial support of Rs. @4.0 to 5.0 lakh for this project.

Model and group pohoto during BAJA SAEINDIA 2020

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

Photographs during BAJA SAE INDIA 2020

Shri Gajanan Shikshan Sanstha's

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA
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| Fax : 091-7265-252346 | Website- www.ssgmce.ac.in |

Photographs of designed model after and before completion of event respectively

FACULTY ADVISOR

SSGMCE takes pride in offering aptitude training courses for students through a strategic MoU with Base Education Jalgaon. These courses are meticulously designed to instill problem-solving skills, empowering students with a valuable asset for academic and professional success.

MEMORANDUM OF UNDERSTANDING

(MoU)

BETWEEN

BASE Education, Jalgaon

&

Shri Sant Gajanan Maharaj College of Engineering,

Shegaon

Student Development Programs for Placement Enhancement through Aptitude Preparatory Training.

MEMORANDUM OF UNDERSTANDING

This **Memorandum of Understanding** (herein after called the 'MOU') is entered into on this the 23th day of May month 2022**(Date 23-05-2022)**, by and between **BASE Education,**
Address: "Nandvilas", Near Chemist Bhavan, Ganesh Nagar,
Jalgaon-425001 (M.S.)
(Herein after referred to as ' **First Party)**

And

Shri Sant Gajanan Maharaj College of Engineering, Shegaon
Address: Opposite Abhay Cranes Pvt.Ltd., Shegaon-Khamgaon Road,
Shegaon, Dist-Buldana-444203 (M.S.)
(herein after referred to as "**Second Party**",
(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

WHEREAS:

1. First Party is an Education company: BASE Education, Jalgaon
2. First Party & Second Party believe that collaboration and cooperation will promote more effective use of each of their resources and provide them with enhanced opportunities.
3. The Parties intend to cooperate and focus their efforts on cooperation within the area of Aptitude Skill Based Training.
4. Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interests.

NOW, THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1: CO-OPERATION

5. Both Parties are united by common interests and objectives, and they shall establish channels of communication and cooperation that will promote and advance their respective operations within the Institution and its related wings.

6. First Party and Second Party cooperation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to the second party in developing Aptitude training systems, keeping in mind the needs of the student's placement in industry.

7. The general terms of cooperation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds, and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding of the subject matter hereof and shall supersede any prior understanding between the Parties.

8. BASE Education would be the training delivery partner for the second party on various trending aptitude trainings and the tests.

9. BASE Education would be a training delivery partners for engineering students of Second party various trending aptitude trainings and the tests for minimum of 11 months in one academic year (Usually Commence from July to May).

10. Aptitude Preparatory Classes will be in hybrid mode format (Online + Off-line) as per need and availability.

11. Cooperation between both parties would be extended to placement assistance which may be mutually beneficial to both the organizations.

CLAUSE 2: SCOPE OF THE MoU

12. The budding graduates from the institutions could play a key role in technological up-gradation, innovation, and competitiveness of an industry. Both parties believe that close co-operation between the two would greatly benefit the student community and enhance their skills and knowledge.
13. Curriculum Design: First Party will give valuable inputs to the Second Party in aptitude training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.
14. The content of training module will be designed as per the students level of understanding and with increasing difficulty as per the successive semesters.
15. The content of training module will be of minimum 50 hours per semester. Revision of content and teaching methodology will be done from the inputs from both the parities.
16. Both Parties are to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein
17. First party would extend the help in providing artifacts such as training records, and certificates to the second party upon a written request from the second party. This information is limited to only the students of the second party and at the discretion of the first party.
18. In case, the second party wants to conduct customized commercial training then this agreement can be amended/adding an annexure with mutually agreed terms.

CLAUSE 3: INTELLECTUAL PROPERTY

19. Both the parties will have the sole rights to the curriculum and related content provided in the training.
20. Confidentiality: Except as may otherwise be required by law, each party will hold confidential, during and after the term of this Agreement, any confidential information disclosed to it or its representatives, and will not disclose any such confidential information to any third party.

CLAUSE 4: VALIDITY

21. The period agreement is valid from the date of signing of this agreement to **31st May 2023.**

22. This agreement will be valid only at the intentions of the parties involved therein, this MOU could be dissolved or canceled by either party at any time by giving 30 days' notice and shall not have any legal bindings in nature. should either or all the parties to it opt to not act upon it, the MOU loses its validity.

CLAUSE 5: RELATIONSHIP BETWEEN THE PARTIES

23. It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

AGREED:

For: **BASE Education, Jalgaon**   For *Shri Sant Gajanan*
                                                                          Maharaj College of Engineering, Shegaon

Mr. Ajay Butwani   **Dr. S. B. Somani**
(Director,BASE Education)   **Principal**
Authorized Signatory   Authorised Signatory
Party-1   Party-2

BASE EDUCATION
Surv.No.2667-B/9,Pl.No.A-17
Opp.Chemist Bhavan,Behind
Kala Bhawan,Ganesh Nagar,
JALGAON (M.S.) 425001

PRINCIPAL
Shri Sant Gajanan Maharaj
College of Engineering,Shegaon.

A

Report

on

"Campus Recruitment Training for BE 2nd year Students"

Academic Year 2022-23

Shri Sant Gajanan Maharaj College of Engineering,
Khamgaon Road, Shegaon, Dist: Buldhana

Sr No	Title of Activity	**Campus Recruitment Training for BE 2nd yearStudents**
1	Speaker	Mr. Ajay Butwani
2	Co-Ordinator	Prof Adesh Solanke
3	Co-Cordinator	Prof. Mrs. H S Patil
4	Schedule of Activity	Started from 1st Dec 2022 at 7:00 PM to 08:00 PM Total **100** Hrs per year
5	Time	As per scheduled in Time table and notice
6	Objective of Activity	1. Enrich their knowledge and to develop their logical reasoning thinking ability 2. The main aim of introducing "Quantitative Aptitude"for mathematics students is to develop skill to meet the competitive examinations for better job opportunity. 3. Effort has been made to accommodate fundamental, mathematical aspects to instill confidence among students. 4. To demonstrate various principles involved in solving mathematical problems and thereby reducing the time taken for performing job functions. 5. To make students able to critically evaluate various real-life situations
7	Venue	**Virtual Mode**
8	No. of Beneficiaries	Total- **450**
9	Syllabus/Topics	Attached herewith

About Program:

In general, aptitude tests measure one's competence in logical reasoning, numerical skills, or verbal ability; competency can be evaluated through problem-solving tasks and testing one's critical thinking across various contexts.

There are various topics under the syllabus of Quantitative Aptitude. Topics such as work and wages, permutation and combination, profit and loss, age, probability, percentages, ratios and many more. The above article contains all these important topics.

Aptitude tests are often used to assess academic potential or career suitability and may be used to assess either mental or physical talent in a variety of domains.

Topics Covered:
Square roots, Cube roots, Squares, Ratio Proportion, Allegation's & Mixtures, Number Series & Letter Series, Coding-Decoding, Calendars, Clocks, Partnerships, Basic Geometry & Algebra, Questions on Ages, Pattern Completion, Mirror Image & Water Image, Data Sufficiency etc.

Learning Outcomes:

After successful completion of this course, students will have the knowledge and skills to

1. Solve the problems easily by using Short-cut method with time management which will be helpful to them to clear the competitive exams for better job opportunity.
2. It helps Candidates to conquer the success in job tests.
3. Analyze the Problems logically and approach the problems in a different manner.

Course Contents:

Following is the Quantitative Aptitude & Logical Reasoning training plan for Second yearEngineering Students **(Semester- III.)**

No.	Chapter Name	Hours
Second year Engineering (Semester-III) (50hrs)		
1.	Square roots, Cube roots, Squares	2hrs
2.	Ratio Proportion	6hrs
3.	Partnerships	4hrs
4.	Averages	6hrs
5.	Allegation's & Mixtures	6hrs
6.	Questions on Ages	6hrs
7.	Analogies or similarities	4hrs
8.	Number Series & Letter Series	4hrs
9.	Coding-Decoding	4hrs
10.	Calendars	4hrs
11.	Clocks	4hrs
	Total Working hours per batch	**50hrs**

Following is the Quantitative Aptitude & Logical Reasoning actual training planimplemented for Third Year Engineering Students **(Semester-VI).**

NO	Chapter Name	Hours
Third year Engineering (Semester-VI) (50hrs)		
1.	Number System	6hrs
2.	Basic Statistics	6hrs
3.	Progression	6hrs
4.	Basic Geometry & Algebra	6hrs
5.	Surds & Indices	6hrs
6.	Data Interpretation	4hrs
7.	Data Sufficiency	4hrs
8.	Nonverbal Reasoning (Series & Analogy)	4hrs
9.	Pattern Completion, Mirror Image & Water Image	4hrs
10.	Paper Cutting & Folding	4hrs
	Total Working hours per batch	**50hrs**

Glimpse: Virtual Classes of Aptitude:
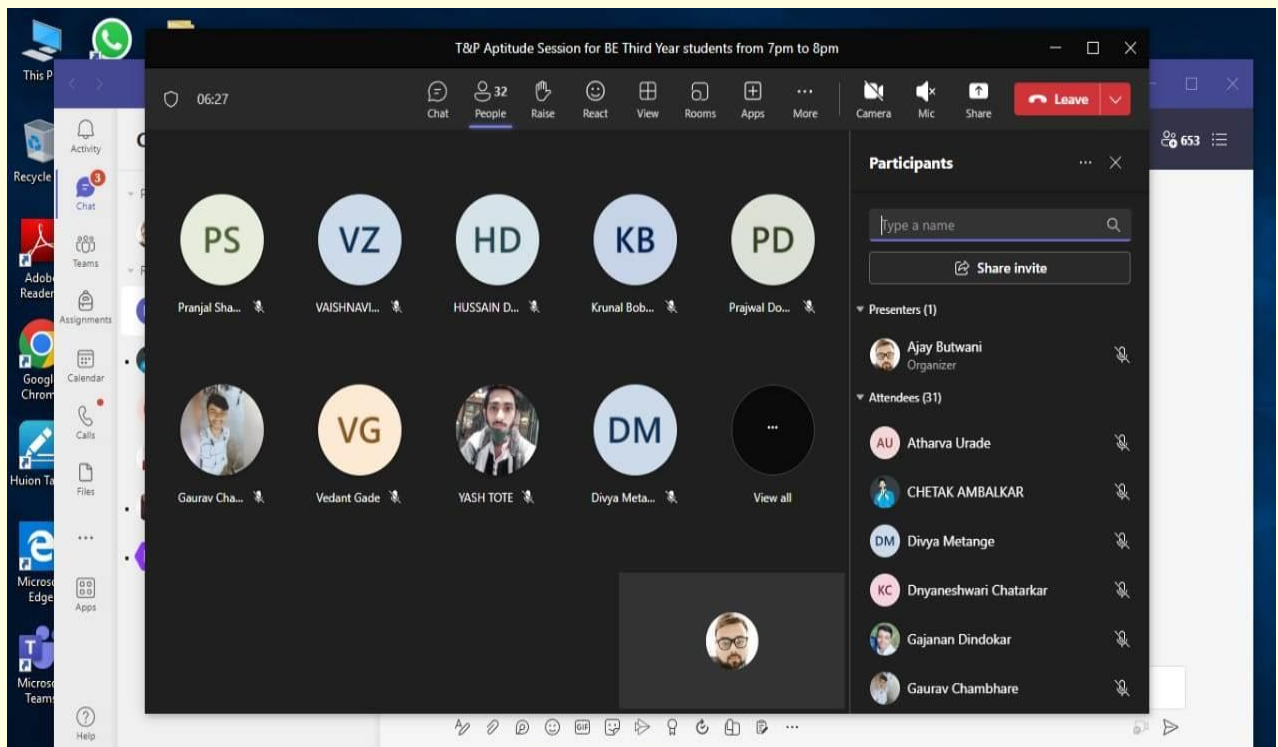
Screenshots of Mr. Ajay Bhutwani delivering his online lectures to students on Aptitude

M Gmail   **TPO SSGMCE Shegaon <tpossgmce@gmail.com>**

Aptitude Development Program Starts on 1st Dec. 2022 at 9:00am OR 7:00pm for BE second year students of SSGMCE Shegaon

TPO SSGMCE Shegaon <tpossgmce@gmail.com>   Mon, Nov 28, 2022 at 5:47 PM
To: aditideoghare2004@gmail.com, rautgauri455@gmail.com, madhuramegh27@gmail.com, paripurtibajad1@gmail.com,
pragatikaltari14@gmail.com, prernapatkar6@gmail.com, revatilulekar@gmail.com, riddhipatil3232@gmail.com,
sakshidalvi08055@gmail.com, sakshipatil2316@gmail.com, Sakshisoni1634@gmail.com, bakalsayali@gmail.com,
shamlititirmare@gmail.com, shrutiamale30@gmail.com, snehaugale106@gmail.com, swaminipatil1516@gmail.com,
ashutoshrajput6669@gmail.com, adiwankhde123@gmail.com, adityadeshmukh822@gmail.com,
akashendole@gmail.com, jawaleakshay231@gmail.com, kulatamol102@gmail.com, ankitraundale10@yahoo.com,
bhaveshadhao2002@gmail.com, chetankawal8@gmail.com, chiragparamar40@gmail.com, dhruvasnemade@gmail.com,
wasugaurav0@gmail.com, vp4458714@gmail.com, harshalharshal238@gmail.com, jaythakare55@gmail.com,
jitesh.wadsa@gmail.com, pawarkunal571@gmail.com, maheshkrishna1027@gmail.com, mihirsingh1319@gmail.com,
nikhilmankar2002@gmail.com, nilovemondal33@gmail.com, nishantmore444@gmail.com,
ganeshsambare9850@gmail.com, omkokate121@gmail.com, prasadwankar38@gmail.com,
prasannametkar119@gmail.com, prashantborse59@gmail.com, ekheprathmesh@gmail.com, deotalepratik7@gmail.com,
pshegokar3@gmail.com, jrpriyanokolpe725pk@gmail.com, Punitraut1@gmail.com, rahulawasthi272003@gmail.com,
relerajat46@gmail.com, rambhonge5@gmail.com, rikkysahu123456@gmail.com, roshanmhasal2003@gmail.com,
khadgesanket123@gmail.com, shivrajvijekar03@gmail.com, shivranjankolhe@gmail.com,
pathakshravan446@gmail.com, pivalatkars@gmail.com, shubhamdalvi740@gmail.com, sujaypakhare@gmail.com,
vaibhavnagrelonar@gmail.com, vasunistala48@gmail.com
Cc: HOD MECH <hod_mech@ssgmce.ac.in>, Trikal Sir <trikalsp2020@gmail.com>, Vinay Thute
<vinaythute@gmail.com>, adeshonline@gmail.com

Dear Students,

Greetings from T&P Cell of SSGMCE Shegaon!!!

Aptitude test is the first part of the recruitment process of almost all companies. To solve the lengthy/complex questions of the aptitude tests, students need to know the tricks/shortcuts and also need to practice well in advance. Keeping all these points in view, we have designed a systematic plan of **200 Hours of Aptitude Development Program** for the students of SSGMCE Shegaon..... We are starting these classes **from 1st December 2022.** For the convenience of the students the classes will be conducted online on MS Teams platform (tentative timing will be as follows: **For BE Second Year:::: (eighter from 8:00am to 9:00am OR from 7:00pm to 8:00pm).**

We have assigned the aptitude training to a highly expert and 10+ years experienced trainer **Mr. Ajay Butwani** to train the students on Aptitude Development. He has trained more than 51000 students so far. These aptitude classes would bear a nominal charge of Rs.1000/- (for all the four semesters, 3rd, 4th,5th and 6th: out of the Rs.1000/- during Second year you need to pay only Rs 600/- and the remaining Rs.400/- will have to pay in your Third Year). The Aptitude Development Programme is mandatory for all the students of BE Second Year students. The Aptitude classes attendance of every SSGMCE student should be 75% and above: it is a basic eligibility condition for all SSGMCE Students to make themselves "Placement Eligible". During your BE Final year there will be a crash course which will be a rapid revision of the entire aptitude syllabus and that would be free of charge. The topic details are mentioned in the word/pdf files attached to this message.(So, pay Rs.600/- for the Aptitude Classes scheduled for BE Second Year students session 2022-23.)

 We appeal to all the students to attend the Aptitude Development Classes regularly. You will really enjoy the learning!

Wish You All The Best!!!

Help Us to Help You!!!

Prof. Adesh Solanke
Training and Placement Officer,
Shri Sant Gajanan Maharaj College of Engineering,
Shegaon-444203
Dist: Buldana(M.S.)India
Cell : +91 94229 26420

**Shri Sant Gajanan Maharaj
College of Engineering**
Shegaon, Maharashtra, India

Certificate of Participation

This is to present that

Mr. /Ms.   Nilove Mondal

from 1 st / 2 nd / 3 rd / 4 th Year of CSE/ IT/ E&TC/ Electrical/ Mechanical

Engineering for actively participating and completing "Aptitude Preparatory

Classes" conducted by BASE Education, Pune during Academic year 22-23

Training and Placement Officer

Principal

Shri Gajanan Shikshan Sanstha's
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
SHEGAON – 444203, DIST. BULDHANA (MAHARASHTRA STATE), INDIA
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Ph : +918669638081/82
Website- www.ssgmce.ac.in

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

Innovation and Incubation Centre (IIC) Activities:

The Innovation and Incubation Centre (IIC) at SSGMCE plays a pivotal role in cultivating problem-solving learning skills among students. Through various activities, the IIC provides a platform for students to engage in real-world problem-solving scenarios. This includes ideation sessions, hackathons, and innovation challenges that encourage students to apply their theoretical knowledge to practical challenges.

The IIC fosters a culture of creativity and critical thinking, pushing students to explore innovative solutions to complex problems. Additionally, the incubation aspect allows students to develop and refine their ideas, turning them into viable solutions or entrepreneurial ventures. Overall, the IIC serves as a dynamic hub that not only stimulates problem-solving skills but also nurtures a spirit of innovation and entrepreneurship among the student community at SSGMCE.

Idea Generation Programme through Creative Jugad

SSGMCE IEI Student Chapter organized a program Idea Generation Program through Creative Jugad, to make students aware about the new idea generation for new product design.

Screenshot of digital banner

A

Report

on

Idea Generation Programm through Creative Jugad
By
Mr. Ritik Kuntwar, IEI Student Co-Ordinator
Academic Year 2021-22

Shri Sant Gajanan Maharaj College of Engineering,
Khamgaon Road, Shegaon, Dist: Buldhana

Sr No	Title of Activity	Idea Generation Program through Creative Jugad
1	Speaker	**Amit Varma,** IEI Student Coordinator
2	Co-Ordinator	Prof. K. V. Chandan
3	Co-Cordinator	Prof. N. G. More
4	Schedule of Activity	24th to 26th March 2022
5	Time	As per scheduled in Time table and notice
6	Objective of Activity	To make students aware about the new idea generation for new product design.
7	Venue	SGIARC, SSGMCE, Shegaon
8	No. of Beneficiaries	Total- **08**

About Program:

An Idea Generation Program through Creative Jugad was one of the event conducted by the student chapter for creating an innovative ideas for new products and design as first step for the entrepreneur skill

Learning Outcomes:

1. Students are made aware to create the new ideas about the new product.

2. Students are enabled to present the ideas and defend the same.

Flyer

SHRI GAJANAN SHIKSHAN SANSTHA'S
SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING,
SHEGAON - 444203 DIST. BULDHANA (M.S.) INDIA.
Recognized by A.I.C.T.E, approved by D.T.E. M.S, Re-accredited by NAAC
Courses accredited by NBA

Presenting A .....

CREATIVE JUGAD

Entry Fees
50 Rs

Creat your On Idea... & Awared with
Funding for your Project

Certification
on
Completion

24th, 25th &
26th March

Register At :
https://bit.ly/pursuit22

For queries contact :
Sahil Darlawar - 9284358739
Nikita Tikar - 7666827270
Pursuit website :
http://www.ssgmce.ac.in/pursuit2022

Glimpses of Activities

Photographs during Idea Generation Program through Creative Juga

H.O.D. Mechanical Engg.

Sant Gadge Baba Sant Gadge Baba Amravati University's National Project Competition:

Gajanan Maharaj College of Engineering achieved notable success at the startup fest organized by Sant Gadge Baba Amravati University. The annual National Startup Fest, held on March 25th and 26th 2019 , featured a project competition with this year's theme focusing on Student Innovation, Startups, and Ecosystems. The objective of this competition was to facilitate the exchange of information among scientists, experts, researchers, and students, fostering an understanding of current technological changes.

Participating in the event, students from the college presented their projects, earning accolades. Gaurav Burewar and Hardik Sanganeria, final-year students of the Electronics and Telecommunication Department, secured the second prize, while Yash Shrivas and Chaitanya Jain received the third prize. Additionally, the second-year Information Technology students, Shailesh Khote, Sagar Bhoyer, and Saurabh Burade, also clinched the third prize. Another group of final-year Mechanical Engineering students, Vaibhav Nakat, Sagar Gawle, and Nikita Bhagat, joined the winners' circle with a third prize.The prizes were presented to the accomplished students by Dr. Muralidhar Chandekar, the Vice Chancellor of Sant Gadge Baba Amravati University.

वार्षिक राष्ट्रीय प्रकल्प स्पर्धा में छात्रों की सफलता

शहर संवाददाता | शेगांव

श्री संत गजानन महाराज अभियांत्रिकी महाविद्यालय के छात्रों ने संत गाडगे बाबा अमरावती विद्यापीठ व्दारा आयोजित स्टार्ट एप फेस्ट में सफलता प्राप्त की है। विद्यापीठ व्दारा प्रति वर्ष एन्युअल नेशनल स्टार्ट अप फेस्ट अंतर्गत प्रकल्प स्पर्धा आयोजित की जाती है। २५ तथा २६ मार्च को यह स्पर्धा विद्यापीठं में आयोजित की गई थी। इस साल का विषय स्टूडेंट इनोवेशन, स्टार्ट अप्स तथा इको सिस्टम था। जिसमें विद्यापीठ को संलग्नित महाविद्यालय के छात्र शामिल होकर प्रकल्प प्रस्तुतीकरण करते हैं। इस स्पर्धा का उद्देश शास्त्रज्ञ, तज्ञ, संशोधक तथा छात्रों को एक साथ लाकर उनके साथ जानकारियों का आदान प्रदान करना एवं तंत्रज्ञान में हो रहे बदलाव की शिक्षा देना है। महाविद्यालय के छात्रों ने इसमें शामिल होकर प्रकल्प प्रस्तुत किए। जिसमें से परमाणु एवं दूरसंचार विभाग के अंतिम साल के छात्र गौरव बुरेवार एवं हार्दिक संगनेरिया को द्वितीय पुरस्कार, यश श्रीवास एवं चैतन्य जैन को तृतीय पुरस्कार

मिला। सूचना तंत्रज्ञान विभाग के व्दितीय साल के छात्र शैलेश खोटे, सागर भोयर, सौरभ बुराडे के ग्रुप को तृतीय पुरस्कार तथा यांत्रिकी अभियांत्रिकी के अंतिम साल के छात्र वैभ्वव नकट, सागर गवले, निकिता भगत के ग्रुप को तृतीय पुरस्कार मिला। संत गाडगे बाबा अमरावती विद्यापीठ के कुलगुरू डा. मुरलीधर चांदेकर के हाथों छात्रों को पुरस्कार प्रदान किए गंए। महाविद्यालय के संचालक श्रीकांतदादा पाटिल, प्राचार्य डा. एस. बी. सोमाणी, परमाणु एवं दूरसंचापर विभाग के प्रमुख डा. जी. एस. गावंडे, सूचना तंत्रज्ञान विभाग के प्रमुख प्रा. अमित मानेकर, यांत्रिकी अभियांत्रिकी विभाग के प्रमुख डा. एस. पी. त्रिकाल, शिक्षक – शिक्षकेतर कर्मचारियों ने सफल छात्रों का अभिनंदन किया।

Photograph of paper cutting about S.G.B.A.U National Project Competition

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Photograph of group and prize & certificate distribution respectively in S.G.B.A.U National Project Competition

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Code Ninja Hunt 2020 Victory: SSGMCE Students Bag One Lakh Prize

Final year Computer Science and Engineering students at Shri Sant Gajanan Maharaj College of Engineering in Shegaon secured the first prize in the National Level Competition "Code Ninja Hunt 2020," organized by Nitor Infotech Pvt. Ltd. in Pune.

The competition drew participation from approximately thirteen hundred students, forming around five hundred teams from various colleges nationwide, including 150 team entries from prestigious institutions such as IITs and NITs. A team comprised of final year Computer Science and Engineering students, including Sachin Nair, Sahil Mune, and Rajat Ninawe, actively participated in the competition. They presented an outstanding solution to the given problem statement, which required creating a game with numerous constraints using any technology or software, as long as specific conditions were met. The process posed several challenges, yet the SSGMCE students excelled by developing a solution that surpassed the organizers' expectations, all within a timeframe of less than 12 hours.
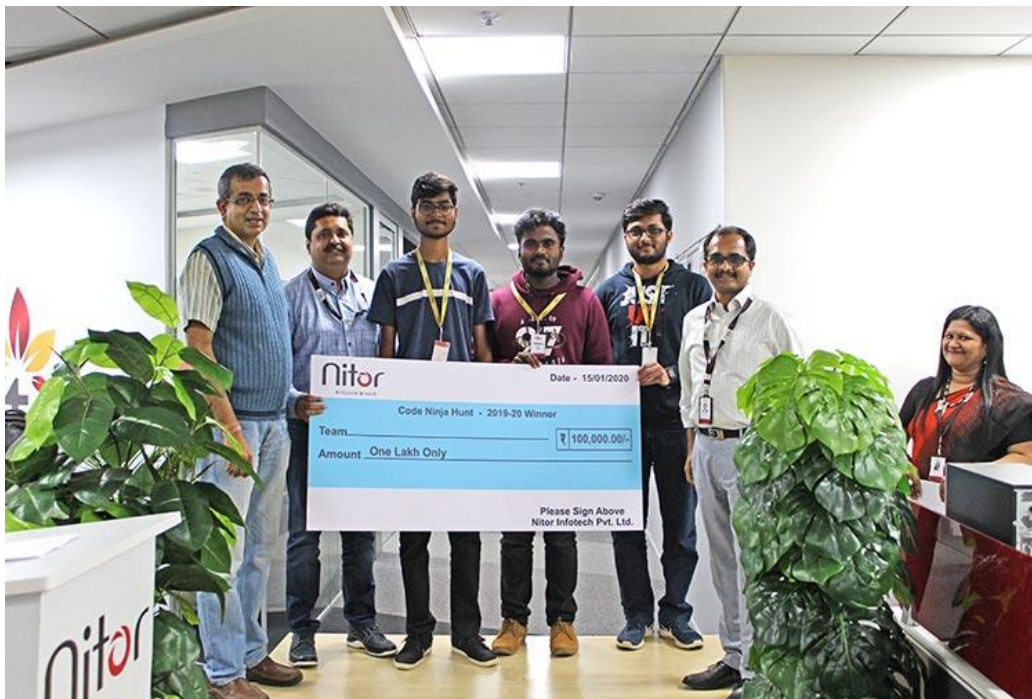
Photograph of students receiving prize during Code Ninja Hunt 2020

Shri Gajanan Shikshan Sanstha's

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दैनिक भास्कर

शेगांव के छात्रों ने जीता एक लाख का पुरस्कार

शहर संवाददाता | शेगांव

यहां के श्री संत गजानन महाराज अभियांत्रिकी महाविद्यालय के छात्रों ने 'कोड निन्जा हंट' इस राष्ट्रीय स्पर्धा में प्रथम स्थान प्राप्त कर एक लाख रू का पुरस्कार जीता। निटोर इन्फोटेक प्रा. लि. कंपनी व्दारा यह स्पर्धा अंतिम साल के छात्रों के लिए पुणा में आयोजित की गई थी। देश की आईआईटी उसी तरह विविध अभियांत्रिकी महाविद्यालय के अंतिम साल की 500 टीमों को मिलाकर लगभग 1300 छात्र इस स्पर्धा में शामिल थे। इन छात्रों को प्रोब्लेम स्टेटमेंट दिया गया था। प्रोब्लेम स्टेटमेंट को उत्कृष्ट तीन टीम को अंतिम फेरी में सोल्युशन देने का मौका दिया गया था। जिसमें श्री संत गजानन महाराज अभियांत्रिकी महाविद्यालय के संगणक अभियांत्रिकी शाखा के अंतिम साल के सचिन नायर, साहिल मुने, रजत निनावे, इन

छात्रों ने उत्कृष्ट सोल्युशन पेश किए। अंतिम फेरी में प्रस्तुतीकरण करने के लिए उन्हें सिर्फ सात – आठ घन्टे का समय मिला, इतने समय में उन्होंने दिए टार्गेट को पूर्ण किया। कंपनी व्दारा उन्हें एक लाख का पुरस्कार,प्रमाण पत्र देकर सन्मानित किया गया। महाविद्यालय के लिए यह अभिमान की बात है। महाविद्यालय के छात्रों ने लगातार विविध स्पर्धा में भाग लेकर अपनी अलग पहचान निर्माण करते रहे हैं। महाविद्यालय द्वारा उन्हें स्पर्धा में शामिल होने के लिए प्रोत्साहित किया जाता है। उन्हें स्पर्धा में टिकने हेतु कौशल्य आत्मसात करने के सिवाए अन्य पर्याय नहीं, ऐसा ध्यान में रखना चाहिए। महाविद्यालय के संचालक श्रीकांतदादा पाटिल, प्रा. डा. एम बी सोमाणी, संगणक अभियांत्रिकी विभाग के प्रमुख डा. डी आर धोत्रे, शिक्षक एवं शिक्षकेतर कर्मचारियों ने सभी सफल छात्रों का अभिनंदन किये हैं। भावेश 9561000010

Photograph of newspaper Dainik Bhaskar about Code Ninja Hunt 2020

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AMARAVATI STARTUP BUSINESS PLAN COMPETITION

Team SSGMCE bags 1st and 5th prize of 50k and 30k respectively at Amravati Startup Business Plan Competition 2019 organized by DTE Maharashtra. There were 300+ projects under three categories- master innovators (age 25+), senior innovators (age 21-25) and young innovators (age below 21). The student Teams secured 1st and 5th prize in Young Innovation

Photograph of students group receiving award at Amravati Startup Business Plan Competition 2019

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"fromto" APP Development for State-Transport

Three third-year engineering students at SSGMCE, Shegaon, have developed an Android mobile application named "FromTo" for Buldhana District State Transport. The students behind this innovative app are Mandeepsingh Bagga (EXTC), Akshaykumar Bhopale (CSE), and Chetan Marode (CSE).The application serves as a comprehensive solution for passengers choosing to travel by S.T. Bus. It provides users with accurate schedules of state transport buses, details on fares, routes, and estimated travel times. The app is accessible for buses across all depots in Buldhana district and is available in English, Marathi, Hindi, and Hinglish. This initiative showcased the students' dedication to addressing real-world needs through technology.

Screenshot of digital congratulations notice

Shri Gajanan Shikshan Sanstha's

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दानक भास्कर

अभियांत्रिकी महाविद्यालय के छात्रों ने किया बुलढाणा जिले के लिए एसटी राज्य परिवहन एप का निर्माण

शहर संवाददाता | शेगांव

श्री संत गजानन महाराज अभियांत्रिकी महाविद्यालय, शेगांव के तृतीय साल में इलेक्ट्रॉनिक्स एड टेलिकम्युनिकेशन एवं कम्प्युटर शाखा के छात्र मंदीपसिंह बग्गा, अक्षयकुमार भोपले एवं चेतन मारोडे ने इलेक्ट्रॉनिक विभाग के प्रमुख डा. गोपाल गावंडे के मार्गदर्शन में बुलढाणा जिले के नागरिकों के लिए सुविधायुक्त एवं सादी भाषा में एसटी महामंडल बस के समय पत्रक होने वाले एप की निर्मिति किए हैं। इस एप से गांव के सर्वसामान्य यात्रियों को राज्य परिवहन बसों के उचित समय सारिणी की जानकारी घर बैठे जानकार

भावेश 9561000010

मिलेगी। यात्रियों को टिकट किराए, परिवहन मार्ग

एवं सफर में लगने वाला समय घर बैठे मोबाइल एप के माध्यम से देख सकेंगे। यह आसान एप अंग्रेजी, मराठी, हिंदी एवं इंग्लिश भाषा में उपलब्ध है।

हजार से अधिक लोगों ने किया डाउनलोड • आज तक एक हजार से अधिक लोगों ने यह एप डाउनलोड किया है। बुलढाणा जिले में सभी डिपो की बस के लिए उपलब्ध करके दिया है। आने वाले कुछ दिनों में राज्य परिवहन मंडल की मदद से पूरे महाराष्ट्र में राज्य के लिए एप का विस्तार करने का इन छात्रों की इच्छा है। श्री गजानन महाराज संस्थान के ब्रीद वाक्य 'सर्वे भवन्तु सुखिन' अनुसार शासन के विविध प्रकल्पों को संचार क्रांति से जोड़ने की तैयारी छात्रों की है। इसमें एसटी कर्मचारी सागर शेगोकार यातायात नियंत्रक, राज येव्ले, सचिन पिंगले(लिपिक), मोहन रहाटे वाहक एवं बुलढाणा विभाग के सभी कर्मचारियों का सहयोग मिला। छात्रों को शुभेच्छा देते महाविद्यालय के संचालक श्रीकांतदादा पाटिल ने कहा कि, १९८६ से चल रहे इस महाविद्यालय से उत्तीर्ण हुए सैकड़ों छात्र, भारत में ही नहीं, पूरी दुनिया के बहुराष्ट्रीय कंपनी के माध्यम से कई देशों में अपनी सेवा दे रहे हैं। इस एप का लोकार्पण एसटी महामंडल विभाग नियंत्रक संदीप रायत्वार, विभागीय यातायात अधिकारी अमृतराव कच्छवे, बुलढाणा डिपो व्यवस्थापक रविंद्र मेरे की प्रमुख उपस्थिति में हाल ही में संपन्न हुआ। महाविद्यालय के प्रा. डा. सुनील सोमानी, इलेक्ट्रॉनिक्स विभाग प्रमुख डा. गोपाल गावंडे, कम्प्युटर विभाग प्रमुख डा. संतोष पाटिल समेत प्राध्यापक वंद एवं शिक्षकेत्तर कर्मचारी का सहयोग एवं मार्गदर्शन उक्त छात्रों को मिला।

Photograph of newspaper Dainik Bhaskar about fromto app.

Shri Gajanan Shikshan Sanstha's

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Victorious in National Project, Startup, and Business Plan Competition 2022

Three student teams from SSGMCE participated and achieved success in the Annual National Project Competition, Startup, and Business Plan Competition 2022 organized by SGBAU Amravati on May 5th and 6th, 2022.

The first team, consisting of Sohil Shekh and Harish Deshmukh, secured the first prize worth Rs. 15,000 for their project on the Prevention of Acceleration Hazard for Electric Vehicles.

The second team, comprising Amey Sangole and Rajan Gupta, also clinched the first prize worth Rs. 15,000 for their project on the Development of an Efficient Vehicle Speed Detection and Number Plate Recognition System.

The third team, featuring Pradyumna Raut and Swapnil Dabhade, earned the second prize worth Rs. 10,000 for their project on the Optimization of Heat Transfer Rate in Honeycomb Heat Exchanger using Surface Modification.

Group photo during Annual National Project Competition, Startup, and Business Plan Competition 2022

Shri Gajanan Shikshan Sanstha's

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लोकमत समाचार

राष्ट्रीय प्रकल्प प्रतियोगिता में छात्राओं की सफलता

शेगांव : स्थानीय श्री संत गजानन महाराज अभियांत्रिकी महाविद्यालय के छात्रों ने संत गाडगेबाबा अमरावती विद्यापीठ की ओर से आयोजित स्टार्ट अप फेस्ट 2022 में सफलता प्राप्त की. विद्यापीठ की ओर से हर वर्ष एन्युअल नैशनल स्टार्ट अप फेस्ट के अंतर्गत विविध प्रकारों में प्रकल्प प्रतियोगिता आयोजित की जाती है. 5 एवं 6 मई को प्रतियोगिताओं का आयोजन किया गया था. इस वर्ष का विषय स्टूडेंट इनोवेशन, स्टार्ट अप्स एवं इको सिस्टम था. इसमें विद्यापीठ को संलग्नित

महाविद्यालय के छात्र सहभागी होकर प्रकल्प की प्रस्तुति करते हैं. प्रतियोगिता का मुख्य उद्देश्य शास्त्रज्ञ, विशेषज्ञ / तज्ञ, संशोधक एवं छात्रों को इकट्ठा कर सूचनाओं आदान प्रदान करना एवं वर्तमान में तकनिक में हो रहे बदलाव

का अध्ययन करना है. महाविद्यालय के छात्रों ने इसमें सहभागी होकर अपने प्रकल्पों की प्रस्तुति दी. दो प्रकारों में प्रथम तथा एक प्रकार में द्वितीय पारितोषिक प्राप्त किया. यांत्रिकी विभाग के अन्तिम वर्ष के छात्र सोहिल शेख एवं

हरिश देशमुख ने प्रथम पारितोषिक तथा प्रद्युम्न राऊत एवं स्वप्निल दाभाडे व द्वितीय पारितोषिक प्राप्त हुआ. परमा एवं दूरसंचार विभाग के अंतिम वर्ष व छात्र राजन गुप्ता एवं अमेय सांगोले व प्रथम पुरस्कार प्राप्त हुआ. सं गाडगेबाबा अमरावती विद्यापीठ व कुलाधिपति डॉ. दिलीप मालखेड़े व हाथों छात्रों को पुरस्कार प्रदान किए ग महाविद्यालय के संचालक, प्राचार विभाग प्रमुख इसी तरह शिक्षक शिक्षकेत्तर कर्मचारी ने सफलता प्राप्त छात्रों का अभिनन्दन किया.

Apna Akola
Page No. 2   May 11, 2022
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Screenshot of e-copy of newspaper Lokmat Samachar about Annual National Project Competition, Startup, and Business Plan Competition 2022

Shri Gajanan Shikshan Sanstha's

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING

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

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati
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Ph : +918669638081/82   Email.principal@ssgmce.ac.in, registrar@ssgmce.ac.in
Website- www.ssgmce.ac.in

Aavishkar 2022- Highlighting Student Achievement:

Sant Gadge Baba Amravati University annually organizes a Research Convention for Students called "Aavishkar" to encourage the showcasing of students' research potential. Aavishkar - 2022 was initially organized at the district level, and students selected during this phase proceeded to participate at the University Level. Among the participants, Bhushan Hajare and Sumit Bhute from the final year of Electronics & Telecommunication Engineering were awarded prizes. Both of them secured the first prize in the UG category. Subsequently, these students represented the University in the State Level Aavishkar, held at Savitribai Phule Pune University, Pune from January 11-14, 2023.

Photograph of students receiving prize during Aavishkar - 2022

Shri Gajanan Shikshan Sanstha's

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
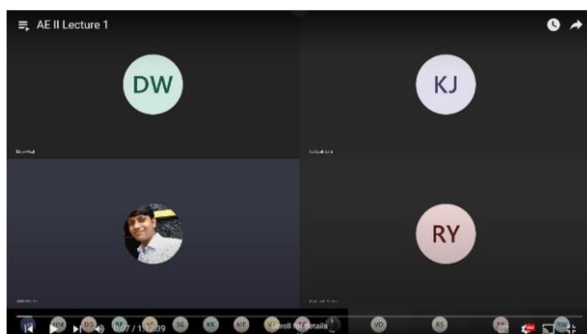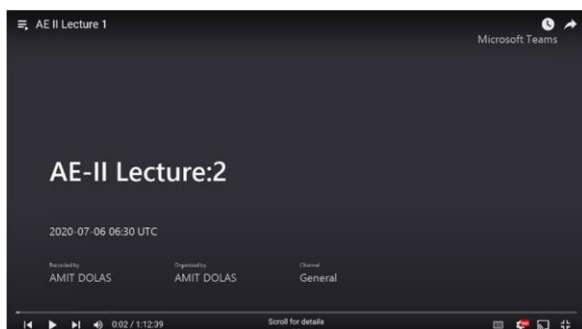## SHEGAON – 444203, DIST. BULDHANA (MAHARASHTRA STATE), INDIA
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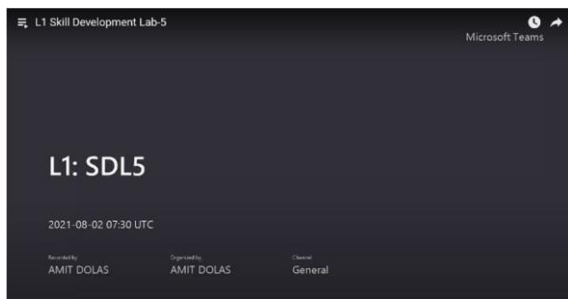Ph : +918669638081/82   Email.principal@ssgmce.ac.in, registrar@ssgmce.ac.in
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Photographs of certificates of students in Aavishkar - 2022

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Website- www.ssgmce.ac.in	

Project Competition:

Pranjali Amalkar receives First Prize in Project Presentation and second Prize in Elocution organized by Techwe.

SSGMCE team of students including Aanchal Wankar, Yash Pethe, and Pratik Chincholkar participated in Startup India Maharashtra Yatra 2018

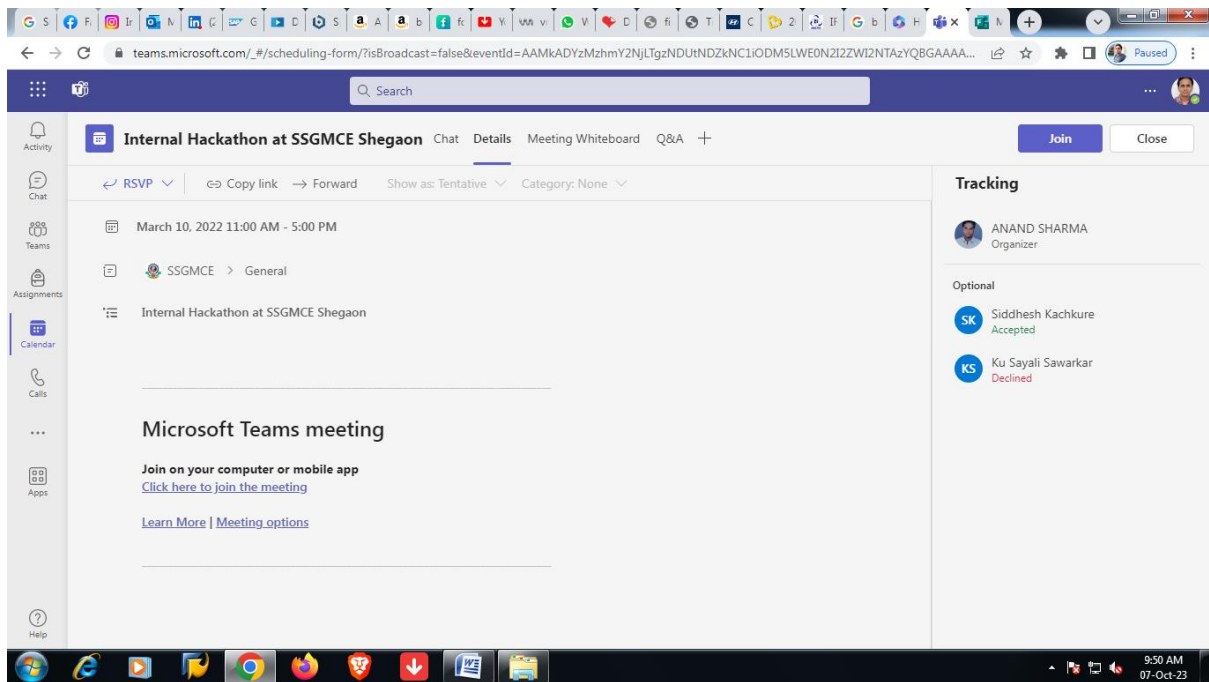**Photograph of certificate received by student in Startup India Maharashtra Yatra 2018**

Shri Gajanan Shikshan Sanstha's

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Photograph of certificate received by student in Startup India Maharashtra Yatra 2018

BLACK HAT ASIA SCHOLARSHIP:

Rushikesh Ambuskar Second Year, Information Technology student invited to participate in Black Hat Asia Conference to be held in Singapore from 27th March 2019 to 29th March 2019.He received Black Hat Asia Scholarship worth 900$

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON

HEARTY CONGRATULATONS!

Rushikesh Ambuskar

(Second Year, Information Technology)

- **Awarded by an Academic Scholarship worth 900$**

- **Invited to participate in Black Hat Asia Conference to be held in Singapore**

  from 27th March 2019 to 29th March 2019.

- **BLACK HAT ASIA:** Black Hat is the most technical and relevant information security event series in the world. For more than 20 years, Black Hat Briefings have provided attendees with the very latest in information security research, development, and trends in a strictly vendor-neutral environment. These high-profile global events and Trainings are driven by the needs of the security community, striving to bring together the best minds in the industry. Black Hat inspires professionals at all career levels, encouraging growth and collaboration among academia, world-class researchers, and leaders in the public and private sectors.

शेगांव के छात्र का सिंगापुर में कॉन्फरेन्स के लिए चयन

शहर संवाददाता । शेगांव

श्री संत गजानन महाराज अभियांत्रिकी महाविद्यालय के ऋषिकेश अम्बुस्कर इस छात्र की सिंगापुर यहां के ब्लैक हैट एशिया कॉन्फरेन्स २०१९ के लिए चयन हुआ हैं। तंत्रज्ञान का बढता इस्तेमाल ध्यान में रखते सेक्युरिटी संदर्भ में यह संस्था काम करती हैं। दिए टास्क पूरा किए अभियंताओं का चयन कर उन्हें इस कॉन्फरेन्स में शामील होने का मौका दिया जाता हैं। महाविद्यालय में जानकारी तंत्रज्ञान विभाग में व्दितीय साल में पढऩे वाले ऋषिकेश अम्बुस्कर इस छात्र ने ब्लैक हैड एशिया ने दिए टास्क पूरा किया। जिसके लिए उसे ब्लैक हैड एशिया व्दारा ९०० डालर की छात्रवृत्ति प्रदान की गई। २७ मार्च से २९ मार्च २०१९ के बीच यह कॉन्फरेन्स सिंगापुर यहां मरीना बे सैण्ड होटेल में आयोजित किया हैं। युनायटेड बिजनेस मेडिया एल. एल. सि. सैन फ्रांसिस्को, अमेरिका की एक भाग होनेवाली यु.

बि. एम. टेक व्दारा ब्लैक हैड एशिया कॉन्फरैन्स प्रतिवर्ष आयोजित किया जाता। दूनियाभर में कई अभियंता कॉन्फरेन्स को उपस्थित रहेते हैं। तिन दिवसीय चलने वाले इस कॉन्फरेन्स में संशोधक, उद्योग जगत के मान्यवर, तज्ञ, अभियंता शामील होकर अद्ययावत जानकारी की आदान-प्रदान होनेवाली हैं। उसी तरह शामील छात्रों को तज्ञों व्दारा प्रशिक्षण भी दिया जाएगा। ऋषिकेश अम्बुस्कर का चयन यह महाविद्यालय के लिए सन्मान की बात हैं। महाविद्यालय के संचालक श्रीकांतदादा पाटिल, प्राचार्य डा. एस. बि. सोमाणी, माहिती तंत्रज्ञान विभाग के प्रमुख प्रा. अमित मानेकर, प्राध्यापक एवं शिक्षकेत्तर कर्मचारियों ने उसका अभिनंदन किया हैं।

black hat
ASIA 2019

Date: Mar 4, 2019

Name: Rushikesh Ambuskar
Company: Shri Sant Gajanan Maharaj College of Engineering, Shegaon
Address: Wakilwadi,Cinema Road, Near Gajanan Talkies,Malkapur,District Buldhana MAHARASHTRA
City:
Postal Code: 443101
Country: India

Passport No.: S5103509
Passport Issue Date: 07/03/2019
Passport Expiration Date: 06/03/2029
Date of Birth: 16/09/1998

Dear Rushikesh,

You are cordially invited to participate at Black Hat Asia 2019, being held in Singapore, March 26 - 29, 2019 at the Marina Bay Sands Hotel, located at 10 Bayfront Avenue, Singapore 018956. Black Hat Asia is organized by UBM Tech, a division of United Business Media LLC, located at 303 Second Street, Suite 900 South Tower, San Francisco, CA 94107, USA and can be contacted at (415) 947-6846.

Black Hat has become the biggest and the most important security conference series in the world by sticking to our core value: serving the information security community by delivering timely, actionable security information in a friendly vendor-neutral environment.

We respectfully appreciate your cooperation in providing the necessary visa or entrance documentation for the period of the event, March 26 - 29, 2019 to the above named individual. Please note that all expenses, including registration fees, airfare, lodging, meals, ground transportation, and insurance to Singapore, will be the guest's responsibility.

Sincerely,

Steve Wylie

Steve Wylie
General Manager, Black Hat
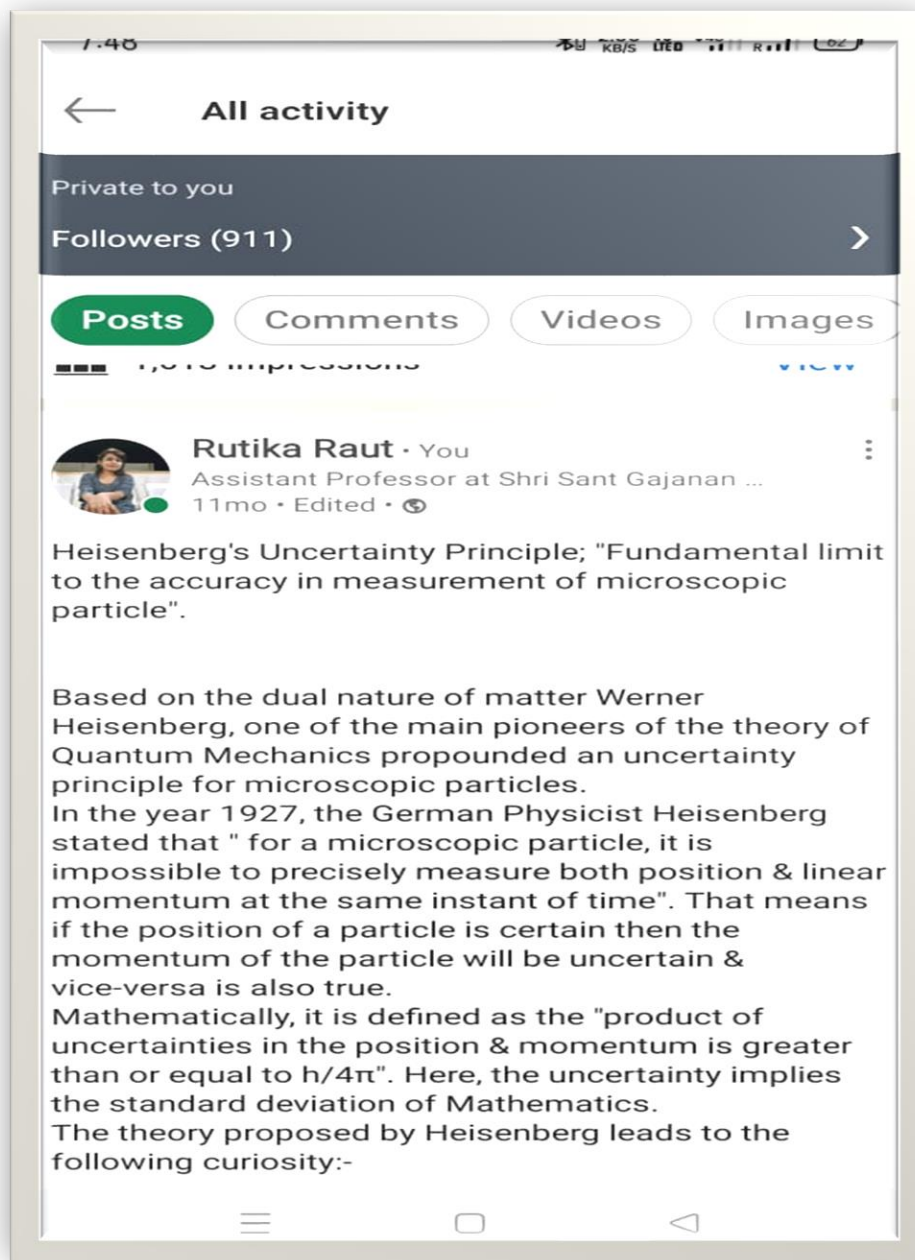+1 415.947.6249
steve.wylie@ubm.com
www.blackhat.com

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Poster Presentation Competition

In a poster presentation, students often showcase how they have addressed specific problems or challenges. Problem-Based Learning encourages students to explore real-world issues, collaborate, and develop problem-solving skills, aligning with the practical and solution-oriented focus of poster presentations.

SSGMCE   provides enriching learning opportunities to its students through an upcoming Poster Presentation Competition. This event serves as a platform for students to showcase their skills, share insights, and engage in meaningful discussions.

This event was hosted by the students of the MBA Department at SSGMCE under the guidance of Prof. Wechansing Suliya.

Event Name:	Poster Presentation
Conducted By:	Department of Business Administration and Research
Faculty And Student Coordinator:	Prof. Wechansing Suliya & Dhanashri Waghole
Date & Time	August 7, 2023 - 4:00 PM To 5:30 PM
No. of Participants	18
Provided Theme	Digital Marketing, Work life Balance, Artificial Intelligence in Business, Employability skill
Evaluator	Mr. Prashant Purushottam Gadodiya

This Event was Hosted the student of MBA Department of SSGMCE By the Guidance of the Prof. Wechansing Suliya

Overview:

A poster presentation event is an professional gathering where participants present their Idea, Creativity and projects through the use of posters. It is held in a MBA Department conference room or conference hall, where posters made by the participants and theme of the poster are displayed on boards from that get idea to the participants to made the poster.

Goals:

1. To foster creative and innovative thinking among students.

2. To promote the use of visual elements to communicate ideas and information.

3. To provide an opportunity for students to develop their presentation skills.

4. To encourage collaboration among students.

5. To encourage students to explore and present new ideas.

6. To develop an understanding of the importance of design in presenting visual information.

7. To give students the opportunity to display their artistic skills.

8. To create awareness about a particular topic or issue.

9. To promote the exchange of ideas and opinions.

10. To recognize and reward excellence in poster design.

The poster competition was held on 8 April 2023 in the management event Parishkriti23 in the Departmental meeting room. The participants were from classes MBA, BBA. The participants were judged on the basis of creativity, quality of work, clarity of message and overall presentation. The participants had to design a poster on the topic were Digital Marketing, Work-Life balance, Artificial intelligence and XYZ.   The competition was a success with a total of 18participants. All the participants put in their best efforts and designed their posters in an impressive manner. The anchor declared the results at the end of the competition in valedictory function. Vedant Gawande from Saraswati College won first prize and Snehal from Datta Meghe College won second prize in the competition. The winner have been awarded with cash prize and certificate. The competition was a great platform for students to showcase their creativity. All the participants were appreciated for their efforts. The event was a great success and it was enjoyed by all.

Results:

1. Poster presentation events provide a platform for presenters to share their research findings and ideas with a wider audience. Attendees can learn about new research, methodologies, and techniques that can be applied to their own work.

2. Poster presentations offer an opportunity for presenters to receive feedback, criticism, and suggestions from attendees, leading to valuable insights and improvements in their work.

Overall, the results of a poster presentation event can be positive and beneficial for both presenters and attendees, leading to enhanced knowledge, collaboration, and recognition within a given field.

Evaluation:

Send an invitation card to Mr. Prashant Gadodiya for the event's guest or evaluator. The event evaluator of the Poster Presentation has Drawing Teacher of gajanan maharaj school **Mr. Prashant Purushottam Gadodiya**. The total registration was 21 but 18 participates only present their poster presentation event and all have given a positive feedback. Prashant sir was Evaluate the all participant's poster and find two best posters. Mr. Prashant was give feedback to all participant's posters.

Glimpses during Poster Presentation Event

Shri Gajanan Shikshan Sanstha's

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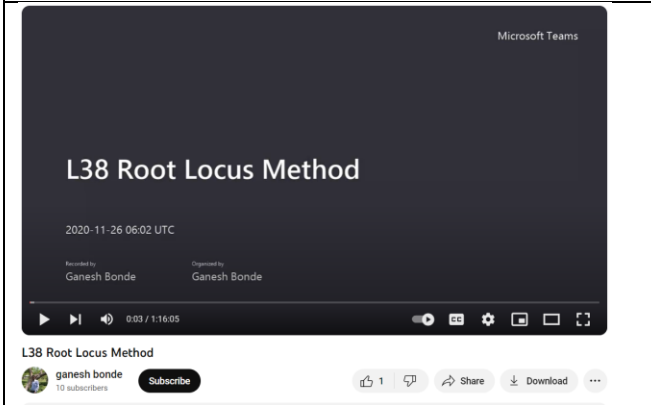Ph : +918669638081/82   Email.principal@ssgmce.ac.in, registrar@ssgmce.ac.in
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To create awareness amongst students about innovation, Institute conducted Intra Institutional Idea Competition under IIC Activity.

Shri Sant Gajanan Maharaj College of Engineering,Shegaon

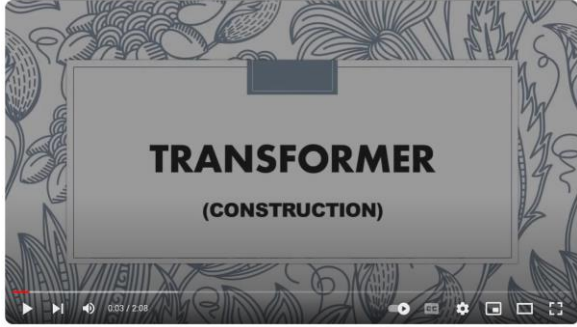|	
Name of theEvent:	**Intra Institutional Idea Competition**
Academic year	2022-2023
ProgramTheme	R&D / Innovation / Incubation&Pre–Incubation
Start date & End Date	30 Nov 2022
Duration of the activity(in hours)	3.00pm
No. Participants	15Students
Modeofsession (online/offline)	Offline
Program driven by	Self-driven Activities
Sessionlink / Offline venue All SocialMediaLink (Promotion)	Offline Venue: New Auditorium https://www.facebook.com/ssgmceofficialpage https://www.instagram.com/ssgmceshegaon/ https://twitter.com/AlumniSsgmce https://www.linkedin.com/school/71648478/admin/
Event Coordinator Faculty Name/Department/Designation	Dr. R. M. Kharate (A.S.&H. Dept.)
Target Participants	All Students of SSGMCE,Shegaon
Objective	*To create awareness amongst students about innovation. *To motivate students for research Benefits: *Students learnt about the need of innovation to solve the problems of society. *They gained insights about the presentation skills.

Poster:

Overview of the program:

Institutions Innovation Council of Shri Sant Gajanan Maharaj College of Engineering, Shegaon organized Intra Institutional Idea Competition on 30th Nov 2022 at 3 pm.

This program was organized to reward the best ideas through YUKTI-NIR, with major objectives of promoting innovation through IIC and to encourage inter disciplinary projects having potential for commercialization and expansion as start-ups.

In this connection, the undergraduate students and postgraduate students (single or in a team) of all departments participated and presented their ideas.

The winners of the competition are as follows:

1st   Winner
Name: Amit Molke & Team
Mobile No: 9022511447
Project Tittle: Digital Health ID Year: III

2nd Winner
Name: VASU NISTALA
Mobile No: 7058851699
Project Tittle: Conceal UAV
Year: II

3rd Winner
Name: Pranjal Jitendra Phirke & Team Mobile No :9356522260
Project Tittle: Agricultural in Drones Year: I
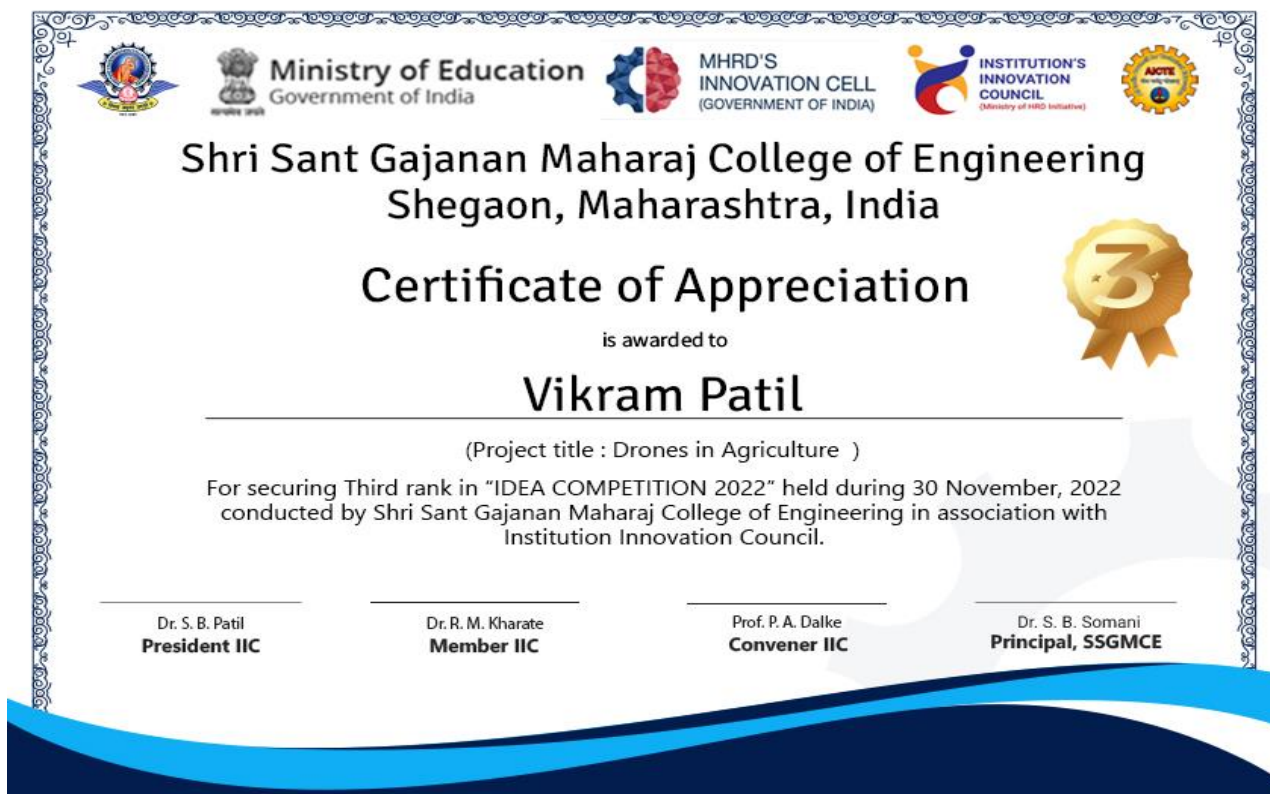
Sample certificates of students during IDEA Competition 2022

Glimpses of the events during IDEA Competition 2022

Particiants:

Λ IIC - Competition   • 30 Nov. 2022
                       • Wednesday
                       • SGIARC, SSGMCE

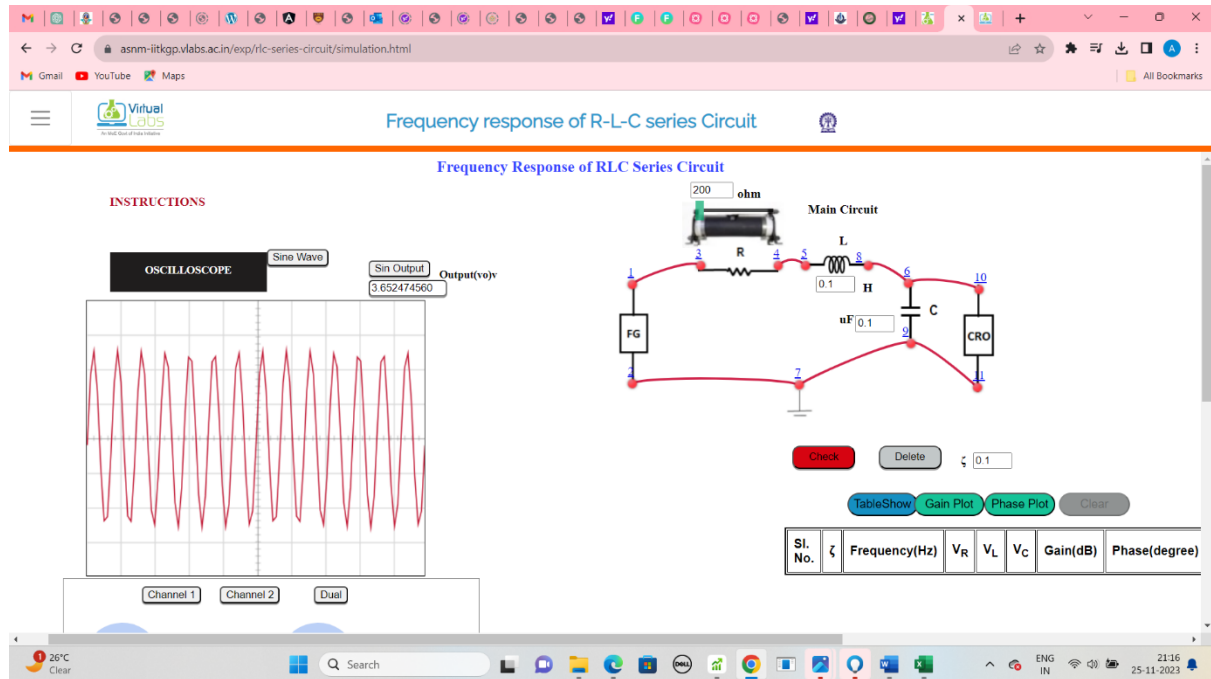| S.N.	Name of student	class	Branch	Sign
1.	Adity V. Godmale	1st year	IT	
2.	Prem. M. Bardskar	1st year	EXTC	
3.	Yash Kumar Sugandh	3rd year	C.S.E	
4.	Pratik Ganesh Ekhande	3rd year	C.S.E	
5.	Sakshi Ganesh Awchar	3rd year	ELPO	
6.	Ruchika Manoj Bhagat	3rd year	IT	
7.	Arpit Bhaduka	3rd year	CSE	
8.	Amit Ramesh Molke	3rd year	IT	
9.	Kalyani Girish Dhonde.	2nd year	EXTC	
10.	Pranjal Jitendra Phirke.	2nd year	EXTC	
11.	Piyush Nandlal Agroya	1st year	CSE	
12.	Vikram Ravindra Patil	1st year	Mech	
13.	Vasu V. Nistala.	2nd year	Mech	
14.	Soham Abhay Bhole	1st year	EXTC	
15	Subodh Sutam Chite	1st year	EnTc	

Dr. S.B.Patil
President, IIC

END OF POINT

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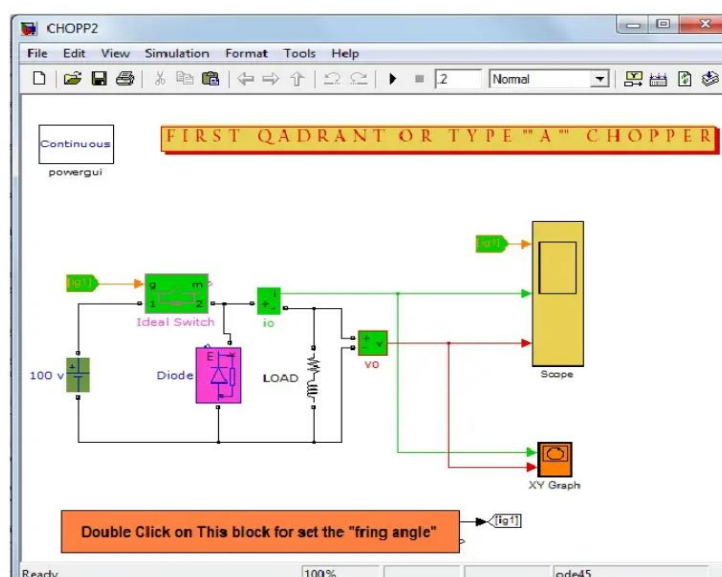## SHEGAON – 444203, DIST. BULDHANA (MAHARASHTRA STATE), INDIA
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Website- www.ssgmce.ac.in

ICT Tools used to Enrich the Teaching-Learning Experience

SN	Category	Tools
1	Learning Management Systems (LMS)	Moodle
		Google Classroom
2	Collaboration Tools	Google Workspace
		Microsoft Teams
3	Communication Tools	Zoom
		Google meet
		Microsoft Outlook
4	Presentation Tools:	Microsoft PowerPoint
		Google Slides
5	Document Creation and Collaboration	Microsoft Word
		Google Docs
6	Video Creation and Editing:	OBS
7	Online Assessment Tools	Google Forms
		Microsoft Forms
		Kahoot
	Coding Platforms	Google Colab
8	Mind Mapping	MindMeister
9	Online Learning Platforms	NPTEL
		Coursera
		edX
10	Social Media Platforms	WhatsApp group
		Blogs
		LinkedIn Learning
11	E-books and Digital Libraries	National Digital Library of India
12	Web Conferencing Tools:	Webex
		Microsoft Teams
13	Data Visualization Tools	Tableau
14	Virtual Labs	An Initiative of Ministry of Education Vlab
15	Simulation and Design Software	MATLAB
		AutoCAD
		LabVIEW
16	Cloud Storage and File Sharing:	OneDrive, Google drive
17	Digital input devices	XP-Pen Tablet
		Webcam
18	Online Multimedia Platforms	YouTube

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ICT Tools used by Faculty of Electronics and Telecommunication Engineering

Sr. No	Name of Faculty	Used of ICT Tools/Pedagogical Used	Subject/ Activity	Link
1	Mr. A. N. Dolas	Microsoft Teams Platform	Online Classes 2020-21 Spring sem.	https://www. https://teams.live.com/
2	Mr. A. N. Dolas	Microsoft Teams Platform	Online Classes 2020-21 Autumn sem.	https://www. https://teams.live.com/
3	Mr. A. N. Dolas	Microsoft Teams Platform	Online Practical SDL-3 on Matlab 2020-21 Autumn sem.	https://www. https://teams.live.com/
4	Mr. A. N. Dolas	Microsoft Teams Platform	Online Practical SDL-5 on Matlab 2021-22 Autumn sem.	https://www. https://teams.live.com/
5.	Mr. A. N. Dolas	Microsoft Teams Platform	Workshop on Component Identification and Testing 2021-22 Spring sem.	https://www. https://teams.live.com/
6.	Mr. A. N. Dolas Prof. V. N. Bhonge	Microsoft Teams Platform	Final Year Project Progress 2020-21 Autumn sem.	https://www. https://teams.live.com/
7.	Mr. A. N. Dolas	Microsoft Teams Platform	Introduction to Basic Electronics (Analog & Digital)-Skill Development Program 2021-22 Spring sem.	https://www. https://teams.live.com/

Personal Website

https://sites.google.com/view/amitdolas/courses?authuser=0

YouTube Channel

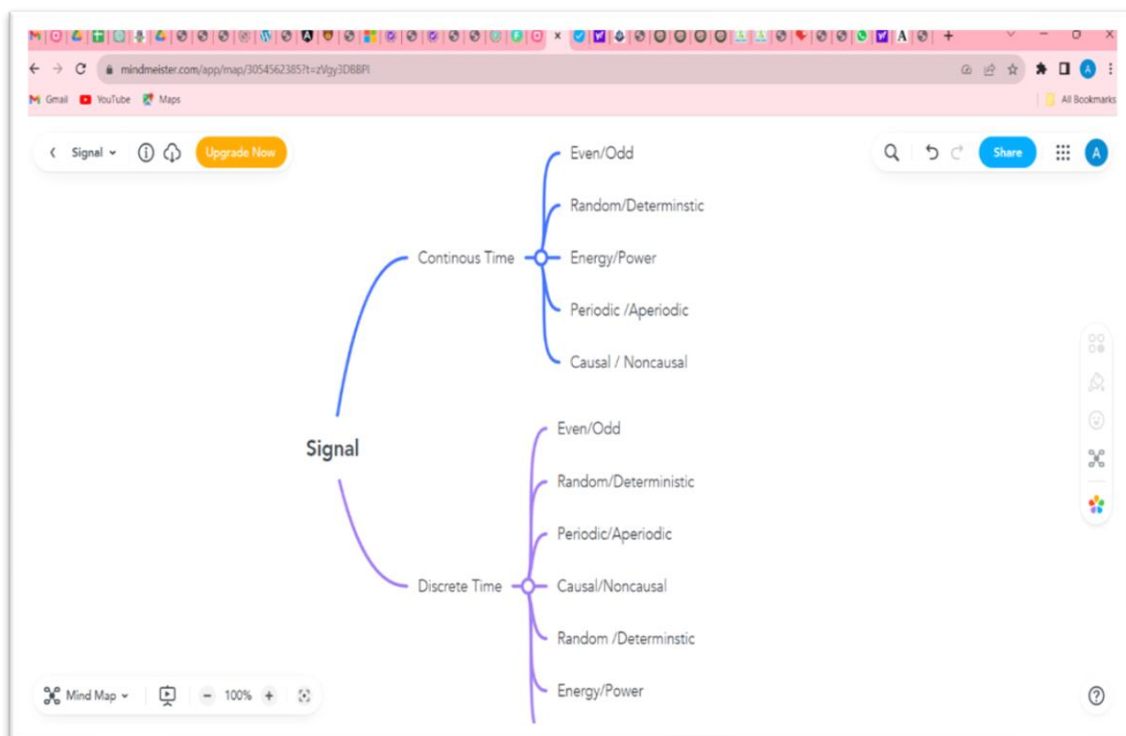**https://studio.youtube.com/channel/UCRZur_Dhd5GNuj6ZuoSYCGQ/content/playlists**

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Diverse pedagogical initiatives leveraging ICT, employed by the faculty

1. **Mr. A. N. Dolas** conducted **online Classes/Lectures** for the curriculum subject **Analog Engineering-II** from **to 6ᵗʰ July 2020 to 20ᵗʰ October 2020** during **Autumn Semester, Session:2020-21** and shared the lecture notes for this purpose he used ICT Tools used – Microsoft Teams Platform

2. **Mr. A. N. Dolas** conducted **online Laboratory Practical** for the curriculum practical **Skill Development Lab-V** from **to 2ⁿᵈ August 2021 to 21ˢᵗ October 2021** during **Autumn Semester, Session:2021-22** and shared the lecture notes for this purpose he used ICT Tools used – Microsoft Teams Platform

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3 **Mr. V. K. Bhangdiya** conducted **online Classes/Lectures** for the curriculum subject **DigitalSystem Design** on youtube.
Session:2019-20

1. **Mr. T.P.Marode** conducted **online Assignment** for the curriculum subject **Skill development lab-2 on May 30, 2020** during **Spring Semester, Session: 2019-20** for this purpose he used ICT Tools used – Microsoft Teams Platform.

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Mr. T. P. Marode conducted Internal Hackathon for the SIH-2022 program on March 30, 2020 during Spring Semester, Session: 2021-22 for this purpose he used ICT Tools used – Microsoft Teams Platform.

Mrs. K. S. Vyas conducted **online Classes/Lectures** for the curriculum subject **SDL VI** in May 2020 during **Spring Semester, Session:2019-20** for this purpose she used ICT Tools used – Youtube
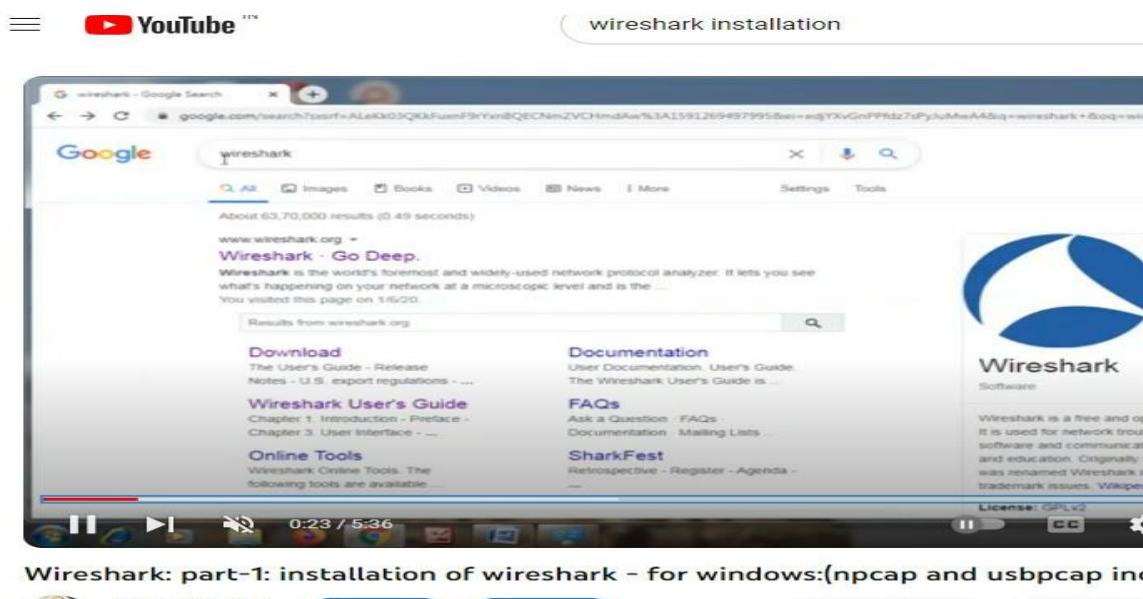
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Mr. C.M. Mankar conducted online classes and lectures for the curriculum subject "Database Systems" for B.E. Third Year, Sem-6, utilizing ICT tools, particularly the Microsoft Teams platform
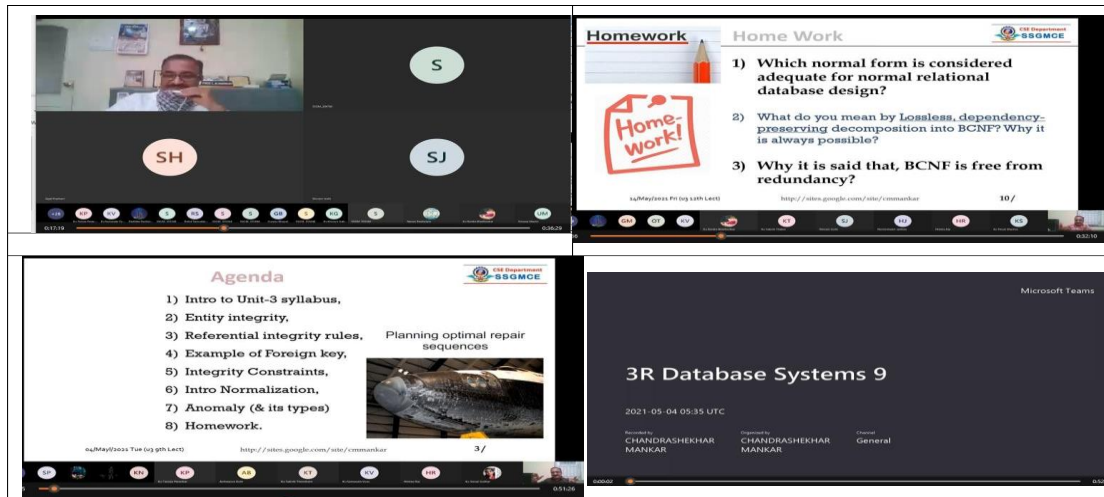
V.S. Mahalle utilized blogs for the course on Programming Methodologies, crafting and sharing a question bank through this platform.
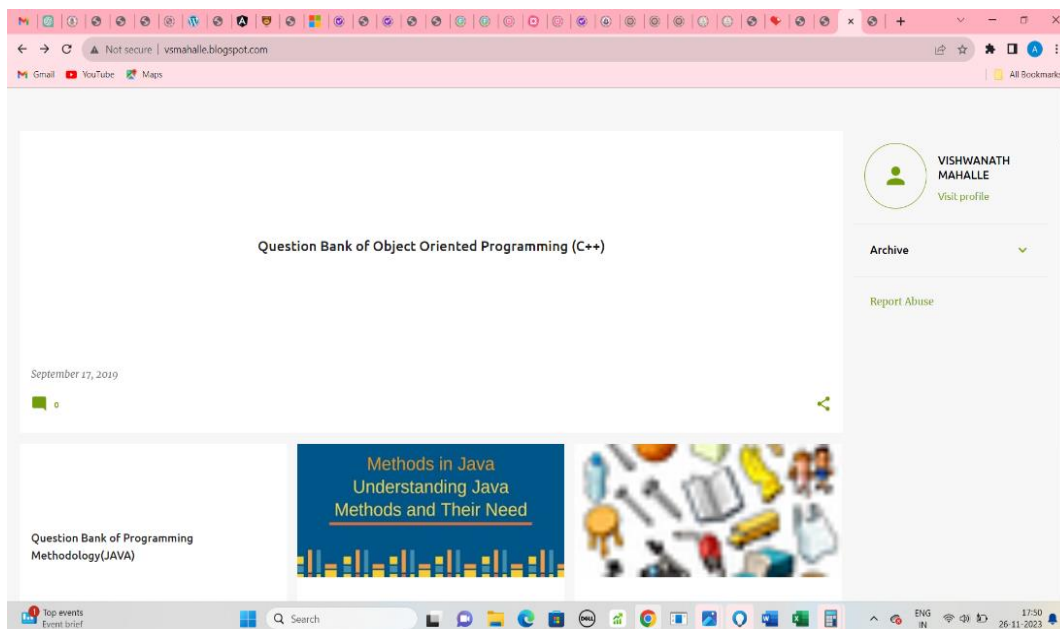
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Professor S.P. Badar shared his course video lectures on YouTube, providing valuable educational resources for students.

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Concept to Project - 2
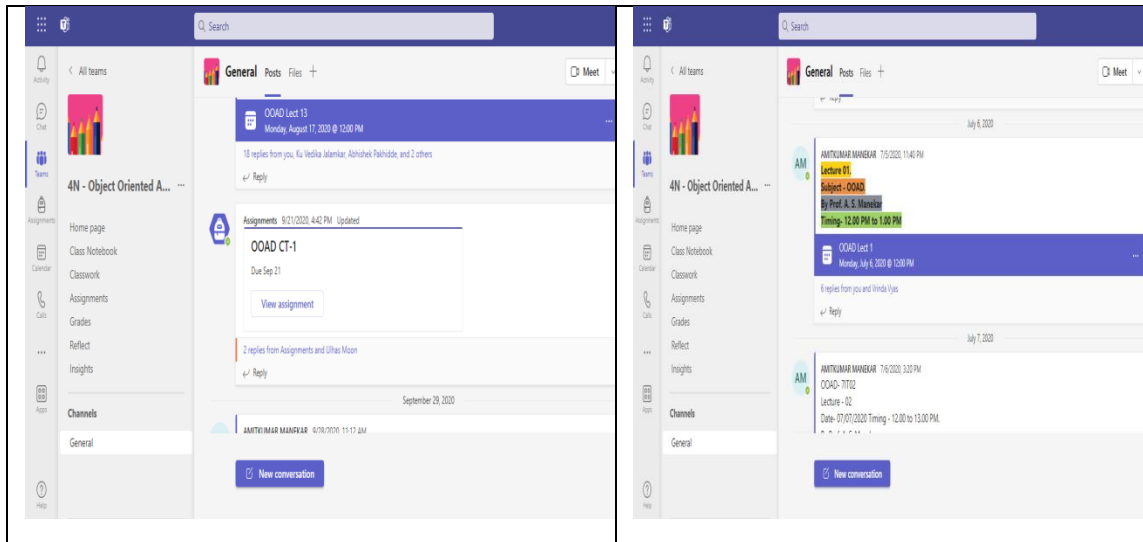

VLSI Design

Concept to Project - 1

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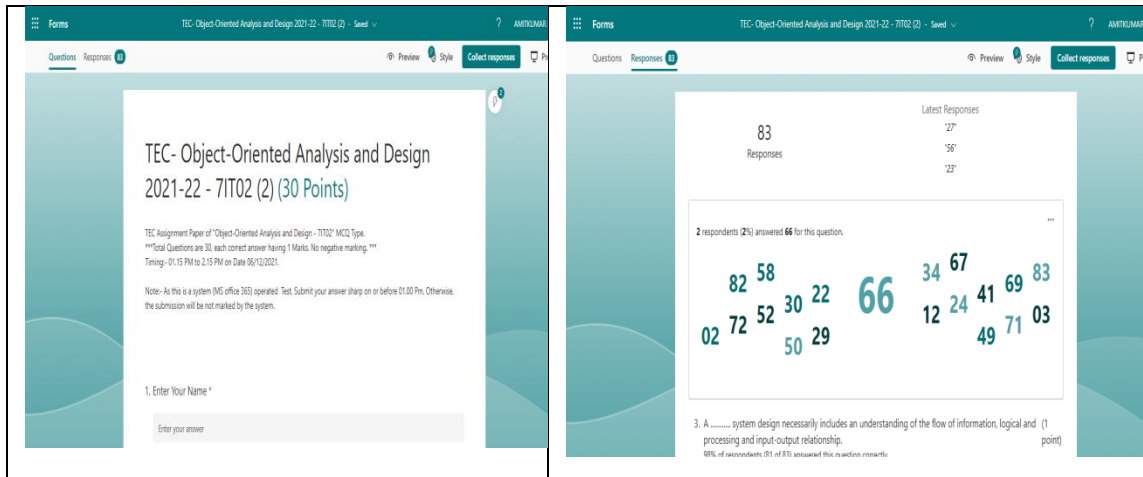
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Dr. R.M. Kharate established a dedicated YouTube channel for the chemistry course, enhancing accessibility and engagement for students.

Shri Gajanan Shikshan Sanstha's

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Prof. Rutika Raut explained the concept of Heisenberg's Uncertainty Principle through the LinkedIn platform, engaging with students and professionals in an interactive and informative session.

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List of ICT Tools used by faculty of Electrical Engineering Department

| Sr. No	Name of Faculty	Used of ICT Tools/Pedagogical Used	Subject/ Activity	Link
1	R S Kankale	OBS, Pen tab	HVE-Measurement of High voltages-Part-1	https://www.youtube.com/watch?v=Y1lrnkExNCk
2	R S Kankale	OBS, Pen tab	HVE-Measurement of High voltages-Part-2	https://www.youtube.com/watch?v=sUbvPsB82WU
3	R S Kankale	OBS, Pen tab	HVE-Measurement of High voltages-Part-3	https://www.youtube.com/watch?v=MhFsoi9WnmM
4	R S Kankale	OBS, Pen tab	HVE- Generation of Impulse voltage	https://www.youtube.com/watch?v=ZabqtcaMJUc
5	R S Kankale	OBS, Pen tab	HVE-Generation of high AC voltage	https://www.youtube.com/watch?v=j-0vFtRZ3gg
6	R S Kankale	OBS, Pen tab	HVE-Generation of high DC voltage	https://www.youtube.com/watch?v=CEBtTcSRGqU
7	R S Kankale	OBS, Pen tab	BEE-Basics of Single phase Transformer	https://www.youtube.com/watch?v=O2GpEhgskOc
8	R S Kankale	OBS, Pen tab	BEE-Thevenin's Theorem	https://www.youtube.com/watch?v=TjRncxIhf3U
9	G N Bonde	OBS, Pen tab	CS- Block diagram	https://www.youtube.com/watch?v=pawsi225W9Q
10	G N Bonde	Digital camera, microphone MS Team	CS- Synchro as an error detector and ACDC tacho-generator	https://www.youtube.com/watch?v=HxlpZzNFTis
11	G N Bonde	Digital camera, microphone MS Team	CS-Root Locus method	https://www.youtube.com/watch?v=MQvu0QlpQNQ
12	G N Bonde	Digital camera, microphone MS Team	CS-Field control DC servomotor	https://www.youtube.com/watch?v=tuEw_BkMgcE
13	G N Bonde	Pen tab, microphone	CS-DC Motor angular position	https://www.youtube.com/watch?v=0rcqdffBQY4

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		MS Team	control (Expt)	
14	B S Rakhonde	Pen tab, ppt, MS Team, microphone	BEE-Magnetic circuit	https://www.youtube.com/watch?v=0Ek08oPcjfs
15	V S Karale	ppt, MS Team, microphone	DC motor	https://www.youtube.com/watch?v=CZthKZvsdPo
16	P R Bharambe	OBS, Pen tab Microphone	SGP- Introductory lecture	https://www.youtube.com/watch?v=Aj8bqvL8a_g
17	P R Bharambe	OBS, Pen tab Microphone	SGP-Power System Protection	https://www.youtube.com/watch?v=ODHeHfOzS9c
18	P R Bharambe	OBS, Pen tab Microphone	CAEMD- Output eqation of IM	https://www.youtube.com/watch?v=eP6sV0TWR8k
19	P R Bharambe	OBS, Pen tab Microphone	CAEMD- Electric & Magnetic Loading	https://www.youtube.com/watch?v=pLm8PYOUB4I
20	P R Bharambe	OBS, Pen tab Microphone	CAEMD-Separation of D & L (Main dimensions)	https://www.youtube.com/watch?v=_9pzOzjo2N8
21	P R Bharambe	OBS, Pen tab Microphone	EM-I Construction of transformer	https://www.youtube.com/watch?v=SyC8fABzpJQ
22	P R Bharambe	OBS, Pen tab Microphone	EM-II Construction of three phase Induction Motor	https://www.youtube.com/watch?v=lcf4UaYyA9s&t=100s
23	Dr. S. R. Paraskar	MS Office , Microphone etc.	EEDU Four quadrant operation of Electric Drive	https://www.youtube.com/watch?v=1ZokqQerJ4U

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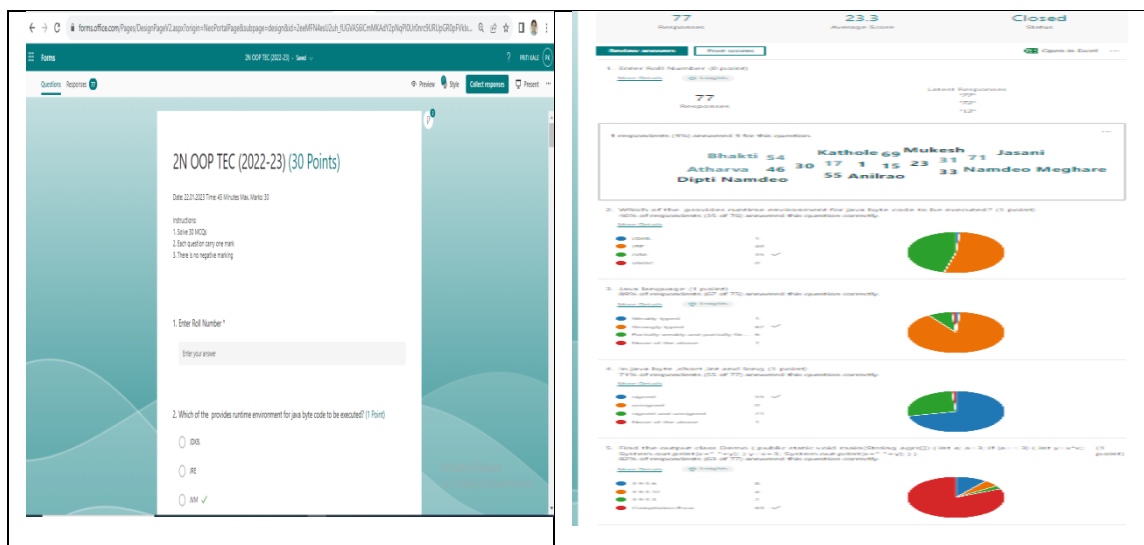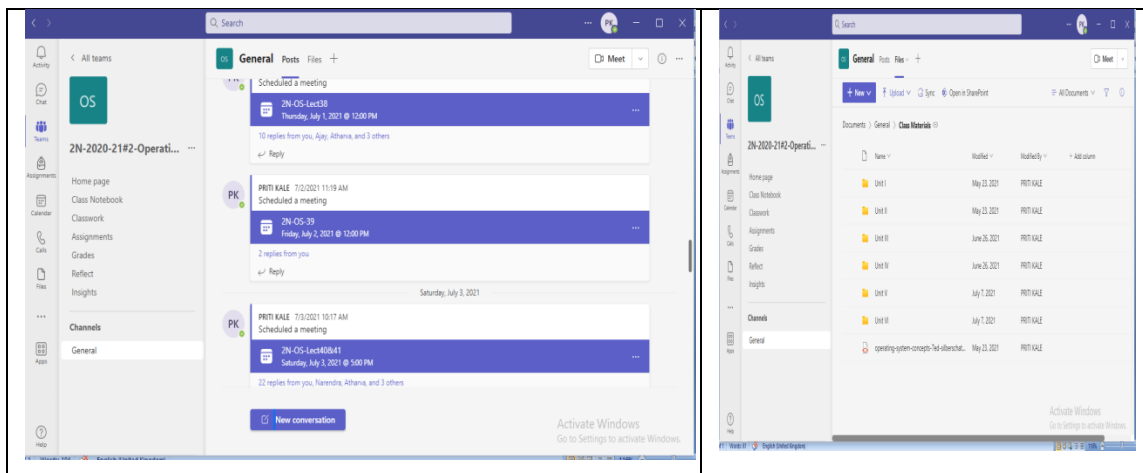"Approved by the D.T.E., M.S. Mumbai"

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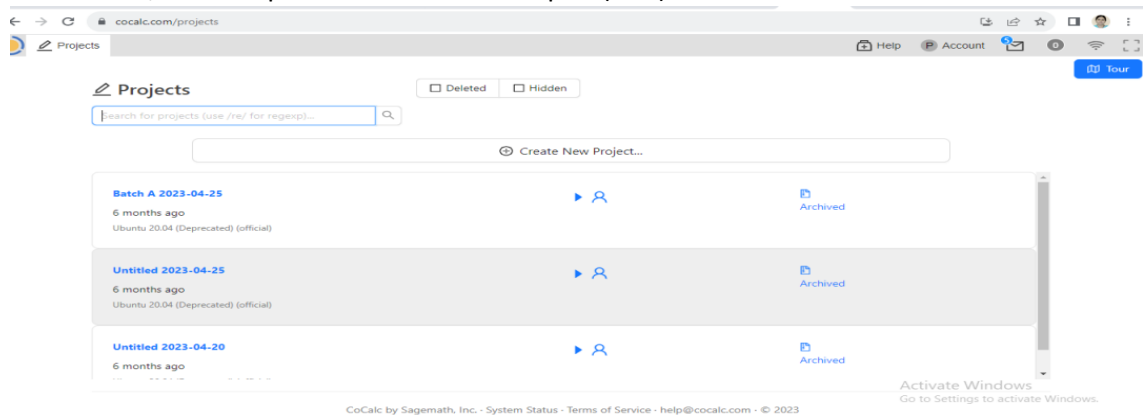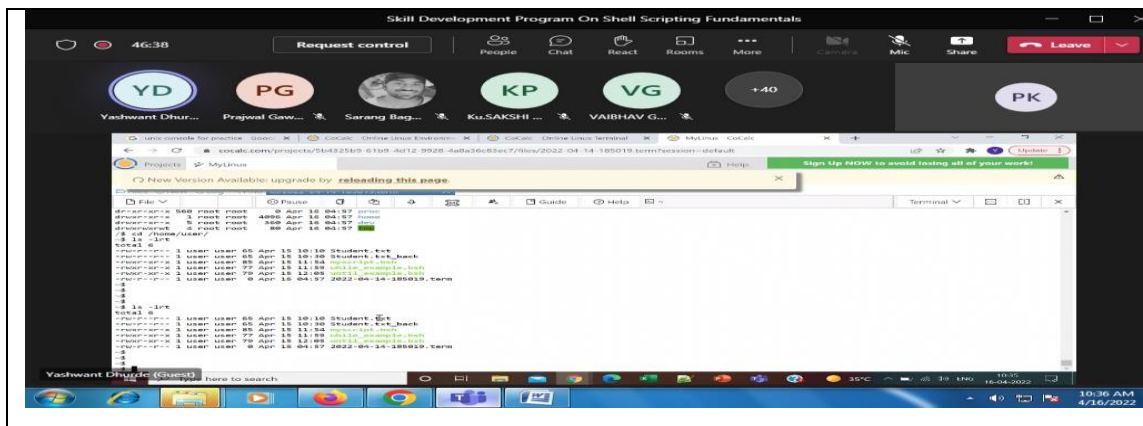"Approved by the D.T.E., M.S. Mumbai"

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Construction of Transformer

Purushottam Bharambe
19 subscribers

9 views 3 years ago

DC Motor

Vijay Karale
6 subscribers

24 views 3 years ago

4Quad operation of drive

sudhir paraskar
31 subscribers

39 views 3 years ago

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| Website- www.ssgmce.ac.in | |

Prof. R.S. Kankale actively shared comprehensive lecture notes for the PSOC course through the WhatsApp platform, ensuring seamless accessibility for students
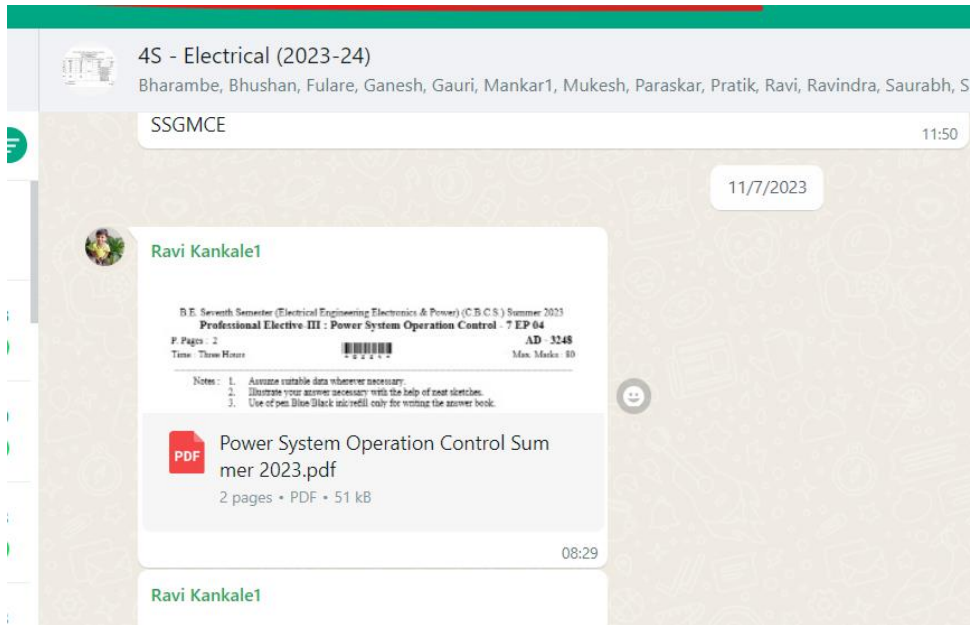
Prof. U.A. Jawadekar employed Microsoft Forms to conduct a quiz for the Wind and Solar Systems course streamlining the assessment process for students.
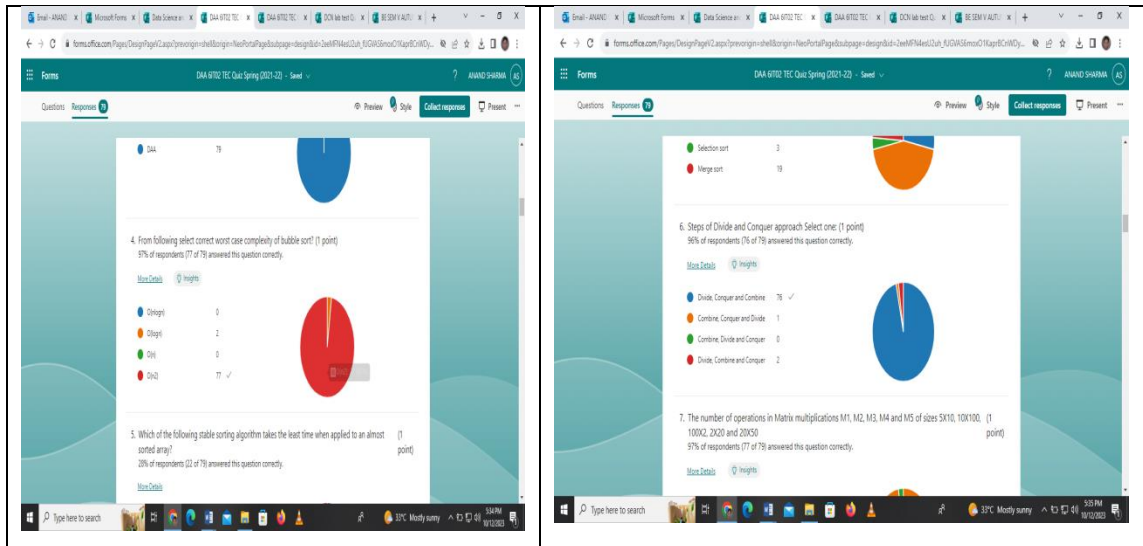
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In the realm of Digital Libraries, Dr. A.U. Jawadekar employed the National Digital Library of India as a valuable ICT tool to enhance the teaching and learning experience, providing students with a rich repository of educational resources

Dr. A.U. Jawadekar employed the Virtual Lab platform, an initiative by the Ministry of Education (Vlab), to demonstrate the frequency response analysis of RLC circuits, enhancing the understanding of students through interactive virtual experiments.
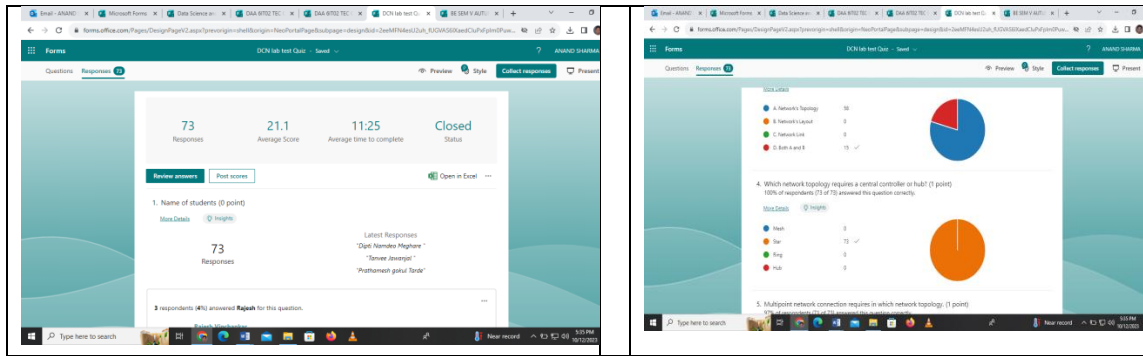
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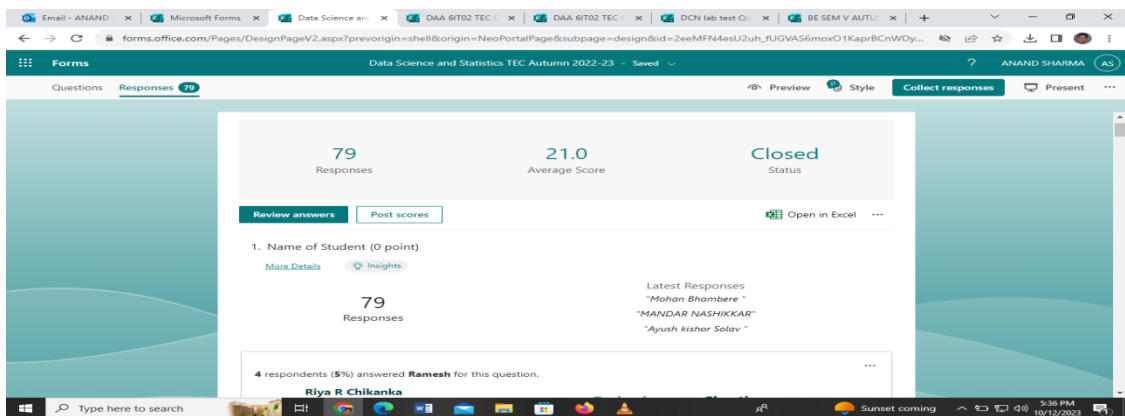"Approved by the D.T.E., M.S. Mumbai"

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Prof. V.S. Karale provided a detailed explanation of the chopper's operation, utilizing MATLAB Simulink to enhance the learning experience. Through this interactive approach, students gained a comprehensive understanding of chopper systems and their applications

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Dr. A.U. Jawadekar effectively employed Google Colab as an online coding platform, showcasing the feature selection algorithm. This approach facilitated a collaborative and accessible environment for students to interact with and understand the algorithmic concepts.

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| Website- www.ssgmce.ac.in | |

Dr. A.U. Jawadekar effectively utilized the MindMeister tool to develop a comprehensive mind map, elucidating the particulars of signal classification within the Signal and Systems course. This interactive visual aid provided students with a structured and accessible overview of the subject matter.

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Dr. A.U. Jawadekar crafted an interactive crossword puzzle through crosswordlabs.com specifically tailored for the subject 'Signals and Systems.' This tool serves to assess students' comprehension

Crossword Labs

Make a Crossword   **Find a Crossword**   **About**   **Login/Sign Up**

Untitled

Print Share Edit Answers
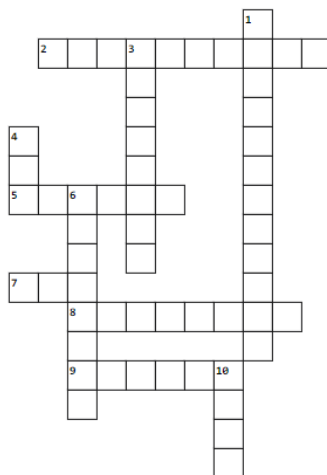
Across

2. DTFT of discrete signal

5. system output depends on present and past input

7. Fourier of discrete signal is discrete

8. sampling frequency is less than twice of maximum frequency

9. system obeys principle of Superposition

Down

1. x(2t) is obtained from x(t) by the process of

3. A signal x(t) with maximum frequency of 500 Hz is sampled at Nyquist rate

4. All Values of Z for which ZT of function exists

6. output tends to infinity as time goes to infinity for finite input

10. Fourier transform of even signal

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Pedagogical Initiatives by Information Technology

| SN	Name of the faculty	ICT tools / Pedagogical Initiatives Used	Use for subject / Workshop/ Training/ Program
1.	Prof. A. S. Manekar	Online classes and Course Material through Microsoft Teams	OOAD
2.	Prof. A. S. Manekar	Assignment-Quiz for the course	OOAD
3.	Prof. A. S. Manekar	LMS- Google Classroom	Data Communication and Networking
4.	Prof. A. S. Manekar	V-Lab IIT's	Software Engineering
5.	Prof. A. S. Manekar	Adobe- Web pages	Cloud Computing
6.	Prof. A. S. Manekar	Workshop On Tableau	Data Science
7.	Ms.P V Kale	Online Quiz on Microsoft Forms	Object Oriented Programming
8.	Ms.P V Kale	Online classes and Course Material through Microsoft Teams	Operating System
9.	Ms.P V Kale	Online Bash compiler , Online CoCalc Linux terminal	Operating System Practical based on Linux
10.	Ms.P V Kale	Microsoft Teams Platform	Skill Development Program conducted on Shell Scripting Fundamentals
11.	Ms.P V Kale	Online Java Compilers	Object Oriented Programming
12.	Ms.P V Kale	Quick recap with Quiz on Kahoot Platform	Object Oriented Programming
13.	A G Sharma	Online Quiz on Microsoft Forms	Design and Analysis of Algorithm
14.	A G Sharma	Online Practical Test through Microsoft Teams	Data Communication Network
15.	A G Sharma	Online Quiz on Microsoft Forms	Data Science and Statistics
16.	M. Faizan I. Khandwani	Online Quiz on Microsoft Forms	Computer Organization and

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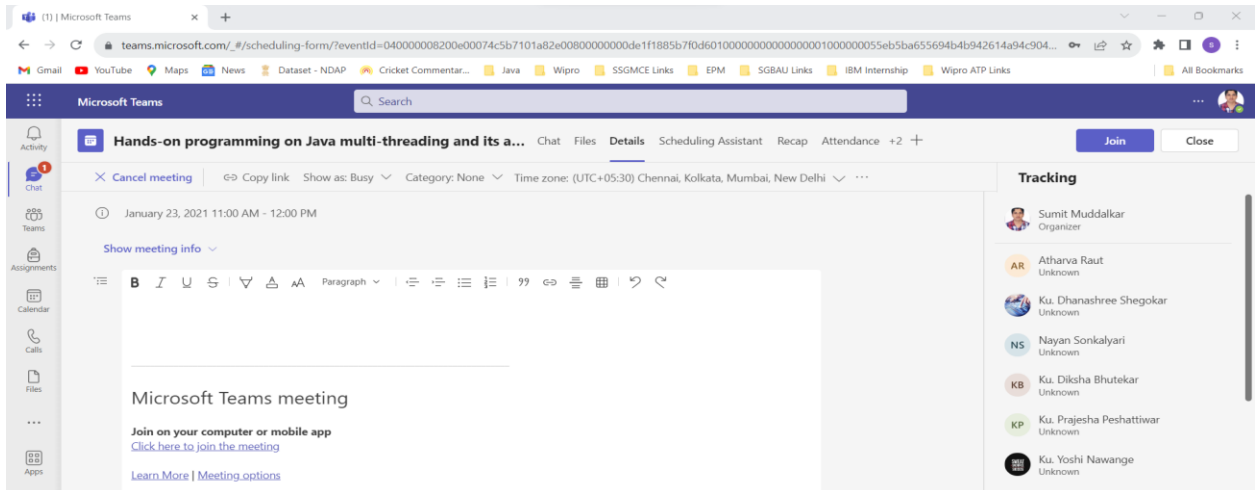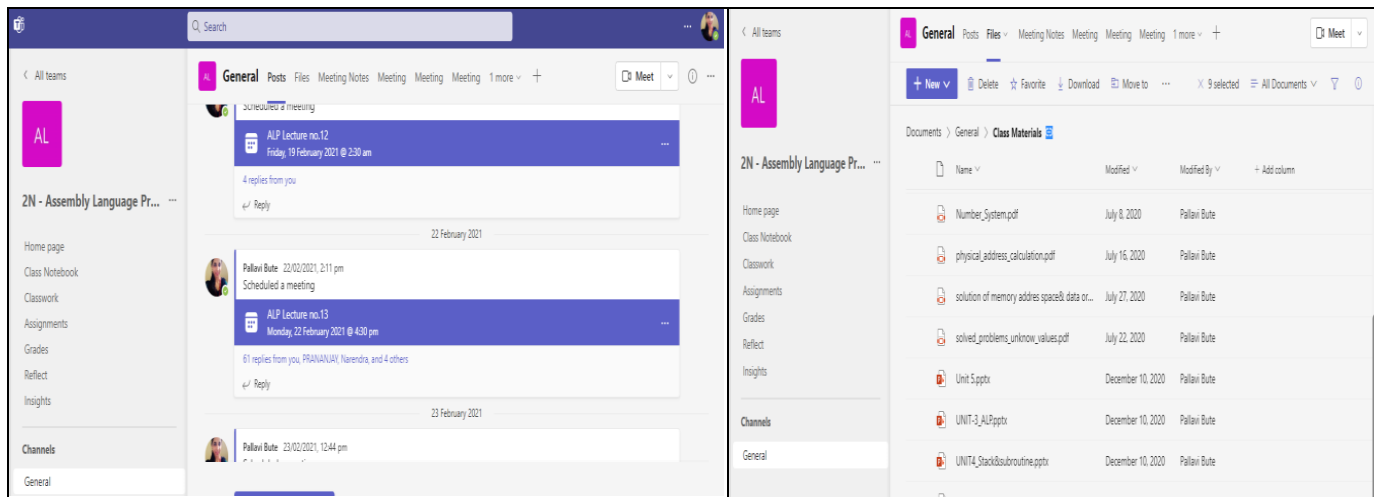"Approved by the D.T.E., M.S. Mumbai"

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			Architecture
17.	M. Faizan I. Khandwani	Online Quiz on Microsoft Forms	Big Data Analytics
18.	M. Faizan I. Khandwani	Online Quiz on Microsoft Forms	Analog and Digital Electronics
19.	M. Faizan I. Khandwani	Online Quiz on Microsoft Forms	Database Management System
20.	S D Padiya	Lecture videos available on YouTube	Discrete Structure and Graph Theory
21.	Prof. S. S. Muddalkar	Online Quiz using Microsoft Forms	Computer Programming
22.	Prof. S. S. Muddalkar	Shared Video Lectures through Google Classroom	Theory of Computation
23.	Prof. S. S. Muddalkar	Conducted Hands on programming on Java Multi-threading and its applications in industry	Training Program
24.	Ms.P.P Bute	Online collaboration tool Microsoft Forms for lecture conduction & course material sharing	Assembly Language Programming
25.	Ms.P.P Bute	Online lecture conduction using interactive white board through Microsoft Teams	Assembly Language Programming
26.	Ms.P.P Bute	Active & interactive learning, asking question to the students & taking feedback from students with POLL through Microsoft Teams	Assembly Language Programming
27.	Ms.P.P Bute	Microsoft Teams Platform& Team Viewer for conduction of practical of ALP	Assembly Language Programming for practical performance
28.	Ms.P.P Bute	Assignment conduction using Microsoft Teams	Assembly Language Programming
29.	Ms.P.P Bute	Project Based Learning	Assembly Language Programming
30.	Ms.P.P Bute	Microsoft Team	Skill development Program
31.	Ms. P P Bute	Flipped Classroom	Virtual Reality
32.	Prof.P.G.Angaitkar	Virtual Lab	Software Engineering

H.O.D. I.T

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Prof. A. S. Manekar conducted Online Sessions on Microsoft Forms for the course Object Oriented Analysis and Design also shared resources material/assignment.

Prof. A. S. Manekar conducted the Quiz for the course on Microsoft teams platform and course material also made available through the same.
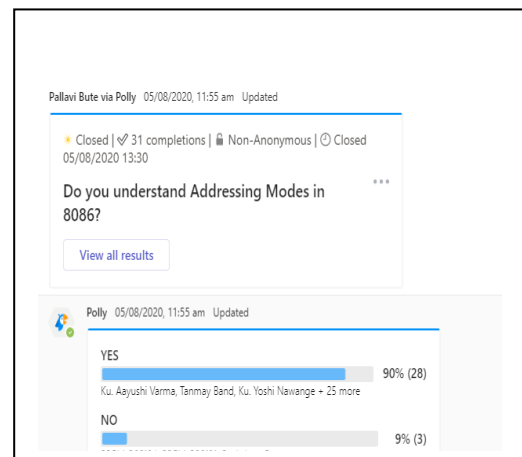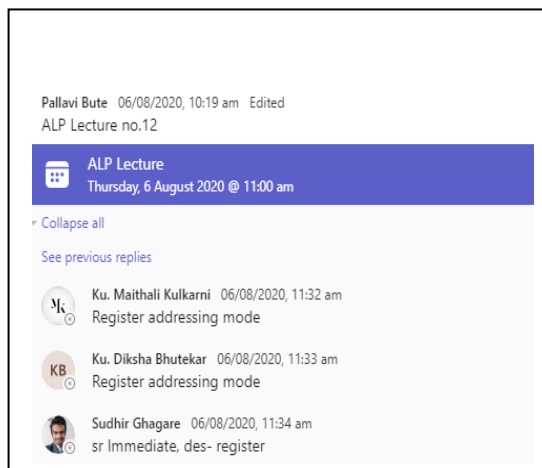
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Prof. A. S. Manekar created and used google classroom for subject Data Communication and Networking where all assignments and study material are shared.

Prof. A. S. Manekar conducted practical's on IIT's Virtual Lab

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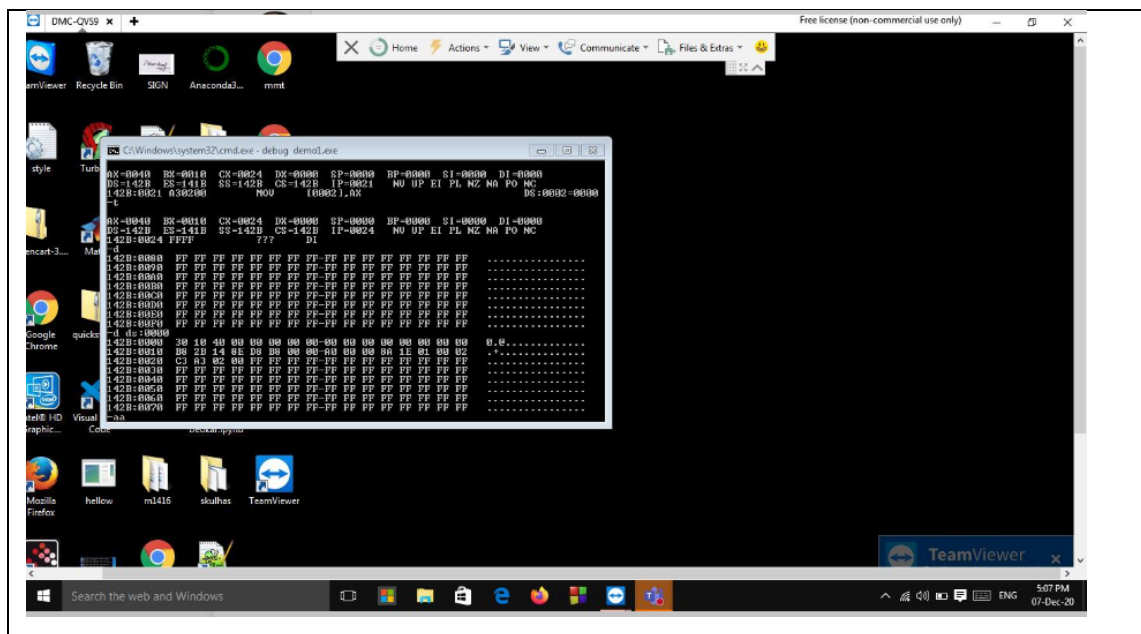"Approved by the D.T.E., M.S. Mumbai"

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Prof. A. S. Manekar Created webpage on Adobe for subject Cloud Computing for extra curriculum learning and discussion.

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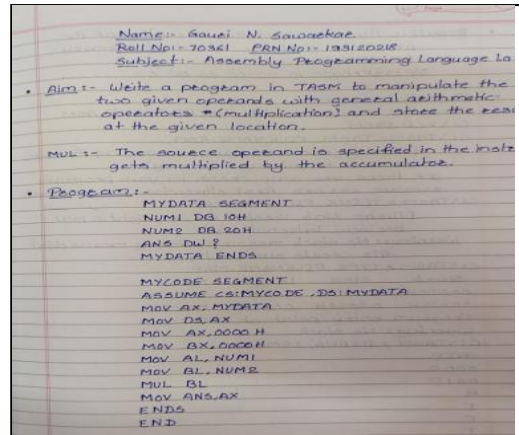## SHEGAON – 444203, DIST. BULDHANA (MAHARASHTRA STATE), INDIA
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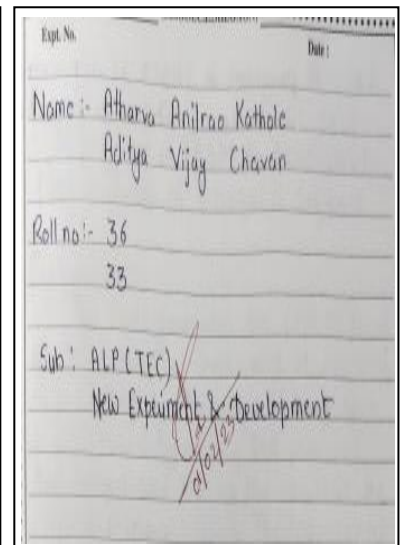Ph : +918669638081/82
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Email.principal@ssgmce.ac.in, registrar@ssgmce.ac.in

Prof. A. S. Manekar conducted hands on Workshop on tableau on 25-26.02.2023 through Information Technology Student Association
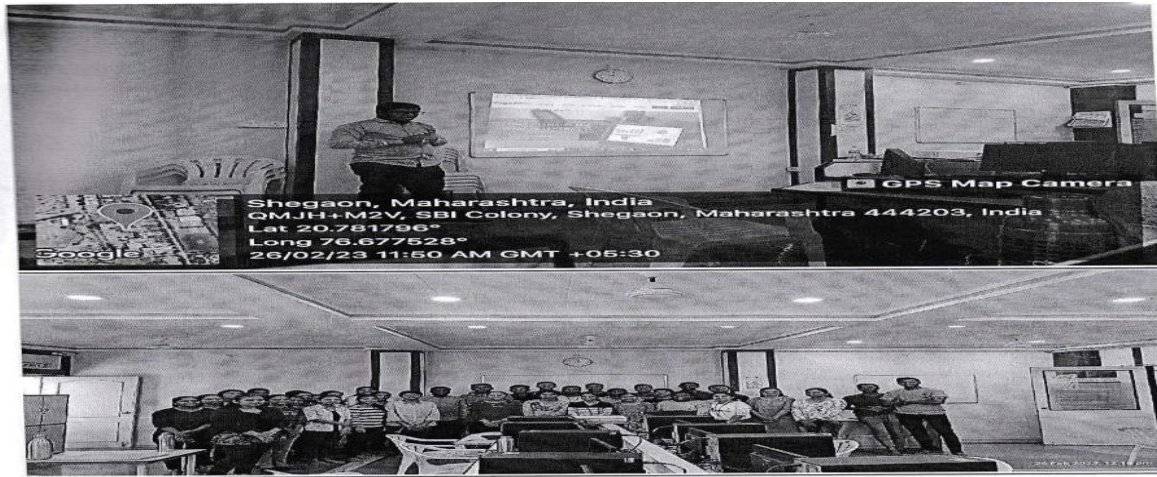
Ms.P V Kale conducted Online Quiz on Microsoft Forms for the course Object Oriented Programming

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Ms. P V Kale conducted the Online classes for the course Operating systems on Microsoft teams platform and course material also made available through the same.

Ms.P V Kale conducted Operating System Practical based on Linux on online linux terminal like Cocalc, Tutorialspoint Onlene Bash Compiler(free)

Ms.P V Kale conducted a Skill Development Program conducted on Shell Scripting Fundamentals on Microsoft Teams Platform

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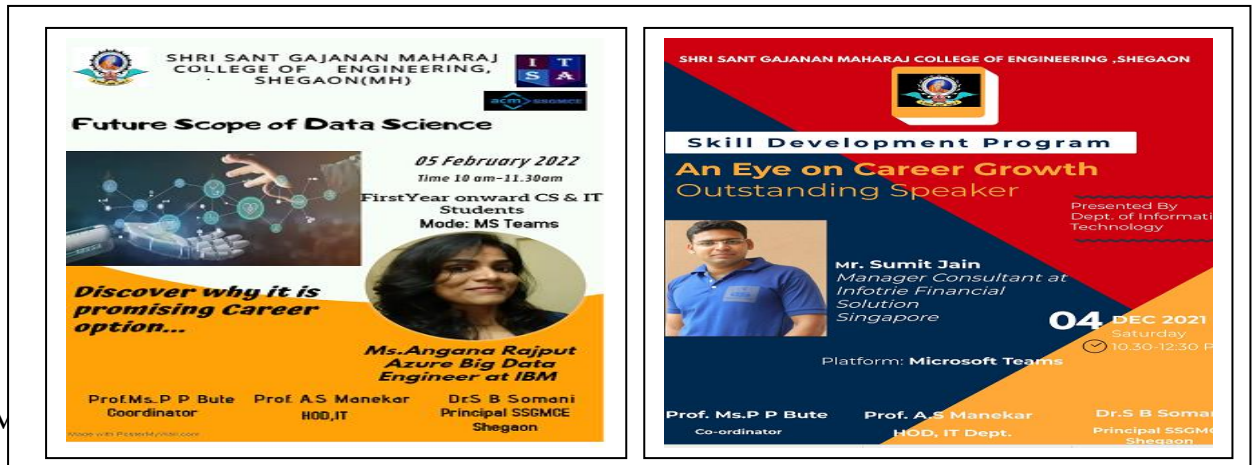
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Ms.P V Kale used Online Java Compilers   for conducting practical of Object Oriented Programming like Programmiz ,Codiva,JDoodle,Rextester ,IDEOne,etc

Ms. P V Kale conducted quick recap of the topic by conducting Online quiz on Kahoot platform

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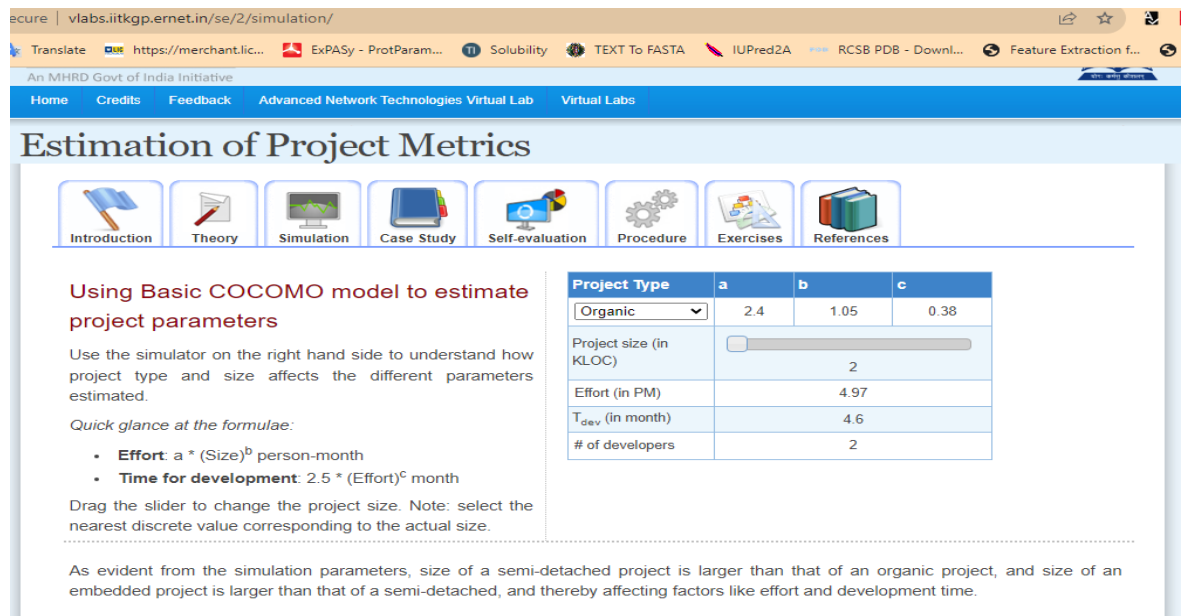"Approved by the D.T.E., M.S. Mumbai"

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A G Sharma conducted Online Quiz on Microsoft Forms   for the course Design and Analysis of Algorithm
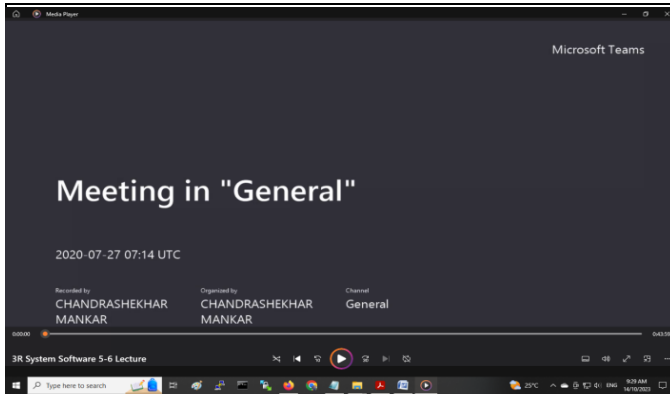
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A G Sharma conducted the Online practical Test for the course Data Communication Networks on Microsoft teamsplatform and course material also made available through the same.

A G Sharma conducted Online Quiz on Microsoft Forms for the course Data Science and Statistics

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M. Faizan I. Khandwani conducted Online Quiz on Microsoft Forms for course Computer Organization and Architecture

M. Faizan I. Khandwani conducted Online Quiz on Microsoft Forms   for course Big Data Analytics

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M. Faizan I. Khandwani conducted Online Quiz on Microsoft Forms for course Analog and Digital Electronics

M. Faizan I. Khandwani conducted Online Quiz on Microsoft Forms   for course Database Management System

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S D Padiya created videos on YouTube for Discrete Structure and Graph Theory

S. S Muddalkar conducted Online Quiz is conducted for Computer Programming subject :

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S. S Muddalkar shared Teaching Material like online videos using google classroom to students
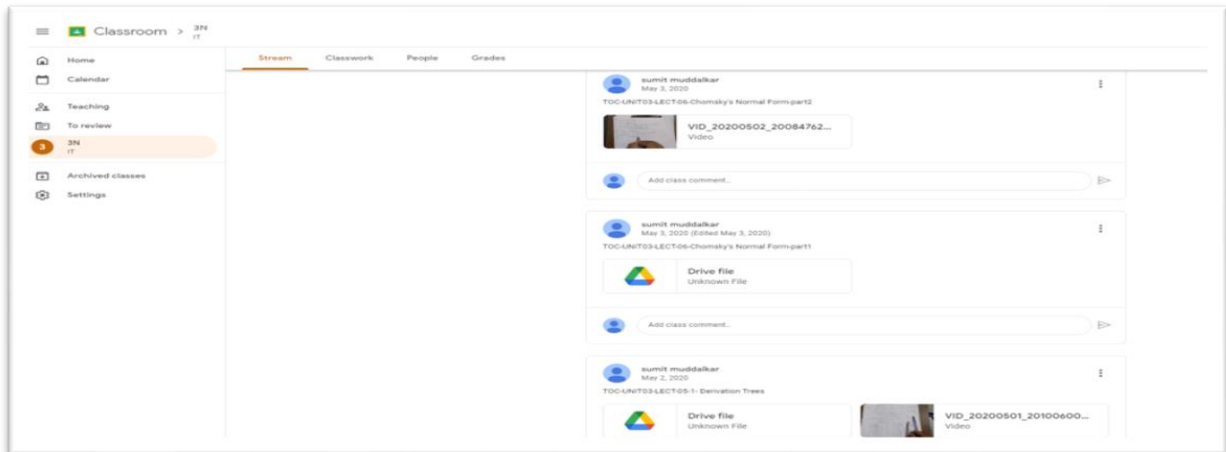
S. S Muddalkar conducted hands on training programming on Java multi-threading and its application in Industry.

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Ms.P P Bute conducted online lecture for Assembly Language programming using Microsoft Team

Ms. P.P Bute uses interactive white board better learning experience.

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Ms.P.P Bute conducted active & interactive online lecture by asking question during session & taking feedback from the students using POLL through Microsoft Teams

Ms.P.P Bute conducted Practical of ALP by sharing DMC Lab Desktop with the students using Team Viewer & virtually they have perform the programs.

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Ms.P.P Bute using Microsoft team for assigning assignment to students

Ms.P.P Bute gives problem to the students to engage students actively in learning process, which includes group work, hands on experiences ,discussion etc
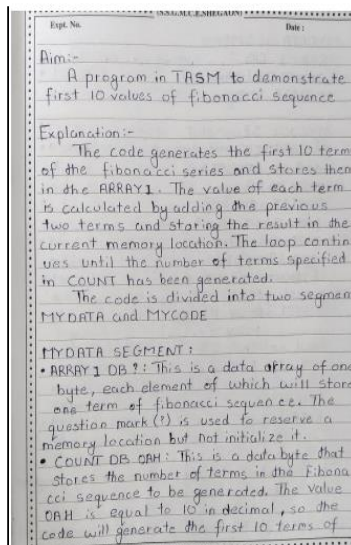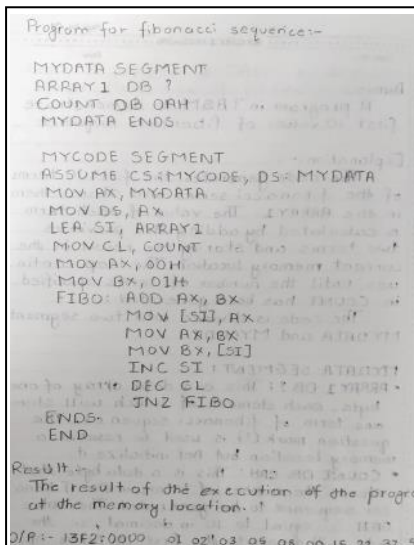
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Ms.P.P Bute organized various skill development program for the students using Microsoft Teams .

Prof.P.G.Angaitkar used virtual lab for conducting Software Engineering practical like Estimation project metrics, ER moulding, data flow diagram etc

Screenshot of vitual lab conducted by Mr.P.G.Angaitkar

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| Fax : 091-7265-252346 | Website- www.ssgmce.ac.in |

Mr. C. M. Mankar conducted online Classes/Lectures for the curriculum subject "**System Software**" B.E. Third Year, Sem-5 from 27/07/2020 to 29/10/2020 during Autumn/ Winter Semester, Session: 2020-21 for this purpose he used ICT Tools used – Microsoft Teams Platform

Screenshot of online classes by Mr. C.M.Mankar

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Mr. C. M. Mankar conducted online Classes/Lectures for the curriculum subject "**Database Systems**" B.E. Third Year, Sem-6 from 01/Mar/2021 to 02/July/2021 during Spring/ Summer Semester, Session: 2020-21 for this purpose he used ICT Tools used – Microsoft Teams Platform

**Screenshot of online classes by Mr. C.M.Mankar**

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Fax : 091-7265-252346	Website- www.ssgmce.ac.in

Dr. J. M. Patil conducted online Classes/Lectures for the curriculum subject "**Computer Architecture (6KS04)**" B.E. Third Year, Sem-6 from 01/Mar/2021 to 02/July/2021 during Spring/ Summer Semester, Session: 2020-21 for this purpose he used ICT Tools used – Microsoft Teams Platform

Screenshots of online classes by Dr. J.M.Patil

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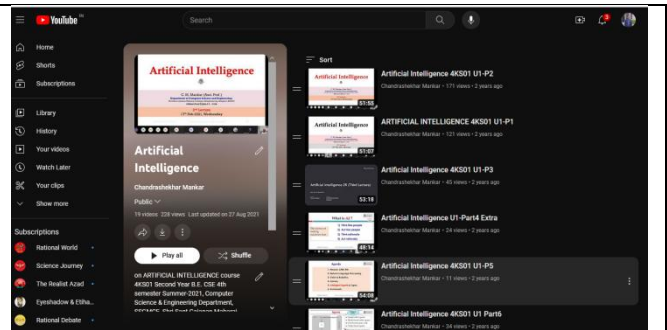"Approved by the D.T.E., M.S. Mumbai"

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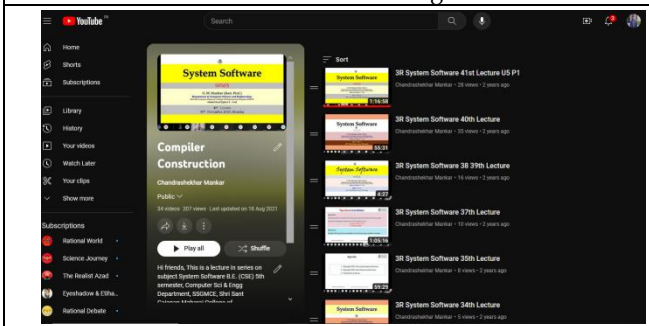Email.principal@ssgmce.ac.in, register@ssgmce.ac.in

Website- www.ssgmce.ac.in

Department of Computer Science & Engineering
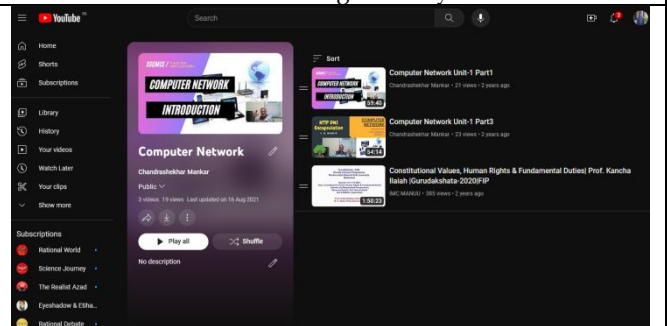## YouTube/ Blogs/ URLs/ Videos/ Website
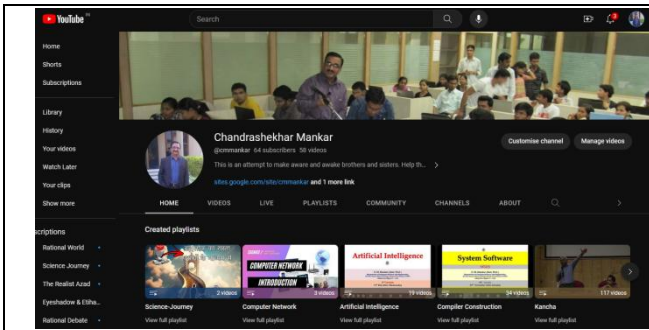
YouTube Home Page

Artificial Intelligence Playlist

System Software Playlist

Computer Network Playlist

PRINCIPAL
Shri Sant Gajanan Maharaj
College of Engineering, Shegaon.

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