Annual Report 2021-22

Shri Sant Gajanan Maharaj College of Engineering, Shegaon

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"

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2021-22

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1.Admission Status
Academic Year -2021-22

Programme name	Programme Code	Number of seats sanctioned	Number of Students admitted
B.E. First Year Computer Science and Engineering	110124210	60	60
	110124211T (TFWS)	3	3
	110124210 (EWS)	6	6
	110124210(PMSSS / NEUT)	1	0
B.E. First Year Electrical Engineering (Electronics and Power)	110135610	60	59
	110135611T(TFWS)	3	2
	110135610(EWS)	6	5
	110124210(PMSSS / NEUT)	1	0
B.E. First Year Electronics and Telecommunication Engineering	110137210	120	120
	110137211T (TFWS)	6	6
	110124210 (EWS)	12	12
	110124210(PMSSS / NEUT)	1	0
B.E. First Year Information Technology	110124610	60	60
	110124611T (TFWS)	3	3
	110124610 (EWS)	6	6
	110124610 (PMSSS / NEUT)	1	0
B.E. First Year Mechanical Engineering	110161210	60	59
	110161210T (TFWS)	3	3
	110161210(EWS)	6	2
	110161210(PMSSS / NEUT)	1	0
B.E. Direct Second Year Computer Science and Engineering	110124210	6	7
	110124210(EWS)	2	2
B.E. Direct Second Year Electrical Engineering (Electronics and Power)	110135610	6	10
	110135610 (EWS)	2	4
B.E. Direct Second Year Electronics and Telecommunication Engineering	110137210	12	13
	110137210(EWS)	2	2
B.E. Direct Second Year Information Technology	110124610	6	7
	110124610(EWS)	2	1
B.E. Direct Second Year Mechanical Engineering	110161210	6	27
	110161210 (EWS)	2	4
M.E. Electrical Power System	110129210	18	2
	110129210(EWS)	2	0
M.E. Digital Electronics	110134310	18	2
	110134310(EWS)	2	0
M.E. Computer Engineering	110124510	18	5
	110124510 (EWS)	2	1
M.E. Advance Mfg & Mechanical System Design	110190710	18	1
	110190710(EWS	2	0
Management (MBA)	110110111	60	60
	110110111T (TFWS)	3	3
	110110111(EWS)	6	5

2 Certificate/ Value Added courses

S.N.	Name of Add on /Certificate programs offered	Number of Students completing the course in the year
1	Course Full Stack Development	39
2	Campus Recruitment training on Java	54
3	Course on Data Science and Machine Learning	27
4	Course on Blockchain Technology	62
5	Aptitude Preparatory Sessions 2nd year Students	474
6	Aptitude Preparatory Sessions BE 3rd year Students	473
7	Certificate Courses on "Introduction to MATLAB Simulink & Programming"	33
8	Course on C Language programming By Dr.D.D.Nawagaje ,Prof. Dipawali Patil & M.Y.Kashikar	108
9	Certificate Course on Basics of Auto Cad	34
10	Course on Microsoft Excel	57
11	NPTEL-The Joy of Computing Using Python	1
12	NPTEL-Product Design And Development	1
13	NPTEL-Python For Data Science	2
14	NPTEL-Database Management System	1
15	NPTEL-Theory Of Computation	1
16	NPTEL-Advance Linear Continuous Control System: Application With MATA LAB Programming and Simulink	2
17	NPTEL-Problem Solving Through Programming In C	1
18	NPTEL-Programming In Java	2
19	NPTEL-Learning Analytics Tools	1
20	NPTEL-Cloud Computing	7
21	NPTEL-Advance Machining Processes	4
22	NPTEL-Welding Application Technology	3
23	NPTEL-Developing Soft Skils And Personality	1
24	NPTEL-Principles of Modern CDMA/MIMO/OFDM Wireless communications	1
25	NPTEL-Engineering Drawing and Computer Graphics	1
26	NPTEL-Python For Data Science	3
27	NPTEL-Analog circuits	1
28	NPTEL-CMOS Digital VLSI Design	1

29	NPTEL-The Joy of Computing Using Python	1
30	NPTEL-Programing Data Structures And Alogrithms Using Python	1
31	NPTEL-Ethical Hacking	1
32	NPTEL-German-I	1
33	NPTEL-Principles of Managemnet	1
34	NPTEL-Enhancing Soft Skills And Personality	1
35	NPTEL-Programming In Java	11
36	NPTEL-Enterpreneurship Essentials	9
37	Udemy-Learn to Code with Python from scratch	1
38	Udemy- Web Developer Bootcamp	1
39	Udemy- Machine Learning A-Z	1
40	Udemy-Python and Django Full stack Web Developer Bootcamp	1
41	Udemy- The complete 2022 Web Development Bootcamp	1
42	PICT-Complete Java Programming from scratch to web development	1
43	PICT-STEP- AI, ML, and Big Data	1
44	Geeks for Geeks- HTML	2
45	Microsoft- Azure Fundamentals	4
46	Software Square Academy-C++ Programming	1
47	Google-Coursera-Google UX Design (7Courses)	1
48	Google Cloud- Cloud Engineering Track & DS & ML Track	1
49	Internshala -Machine Learning	1
50	Internship Studio- Machine Learning	1
51	Internship Studio- Internet of Things	1
52	Coding Ninjas- Nascomm Python	1

3 Students Internship /Training
Academic Year 2021-22

Sr. No	Program Name	No. of Students undertaking Internships/ Field Work
1	B.E. - Computer Science & Engineering	55
2	BE – Electrical Engineering (Electronics & Power)	61
3	BE – Electronics and Telecommunication Engineering	47
4	BE – Information Technology	53
5	BE – Mechanical Engineering	24

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4 Result: Final Year Students

Academic Year 2021-22

Sr. No.	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
1	110124210	B.E. Computer Science and Engineering	82	77
2	110135610	BE Electrical Engineering (Electronics & Power)	82	74
3	110137210	Electronics and Telecommunication Engineering	173	163
4	11012461	B.E. Information Technology	83	81
5	110161210	BE Mechanical Engineering	88	81
6	110124510	M.E. Computer Engineering	4	1
7	110129210	ME (Electrical Power System)	2	0
8	110134310	ME Digital Electronics	2	0
9	110190710	ME (Advance Manufacturing and Mechanical System Design	3	0
10	11010110	Master of Business Administration	69	15

5. Grants Received
Academic Year 2021-22

Sr. No.	Name of the research project/ endowment	Department	Amount Sanctioned in Lakhs
1	MODROB (Advanced Power System Lab)	Electrical Engineering	18.72
2	Guided wave Radar Level Transmitter with Accessories	Electronics & Telecommunication Engineering	0.7
3	ATAL-FDP"Internet of Things: Product Design, Development and Implementation	Electronics & Telecommunication Engineering	0.93
4	Smart Attendance Monitoring System Based on Deep Learning Approach	Information Technology	0.1
5	Smart Application to Sell Products of Bakery	Information Technology	0.05
6	National Conference on Innovation Management	Master of Business Administration	1.74

6 Industry-led Workshops and Seminars

Sr. No.	Name of the workshop/ seminar/ conference	Number of Participants
1	Orientation Program in Entrepreneurship Development by Shri Vinod Paratkar Director, IABA, Pune Shri Duttatraya Mulay, Ex-Administrative Officer, MCED Aurangabad	469
2	A Talk on "Reinventing Indian Education, Research and Innovation System" by AICTE Distinguished Chair Professor Padma Vibhushan Dr. R. A. Mashelkar	90
3	"Intellectual Property rights (IPR): Idea generation to levaraging commercially" Resource Person : Mr. Sahashtrarashmi Pund, Head R&D innovation & IPR Endurence Technology Pvt Ltd Aurangabad (MS)	58
4	Lecture series on "Qualitative Research Methods and Academic Writing" by Dr Juhi Pathak and Dr Kriti Singh, Assistant Professor, Sharada University, Noida	90
5	Lecture series & Hands on Training on "Effective Utilization of Tools for Research & Publication" by Dr N J Uke Principal, Trinity Academy of Engineering, Pune	90
6	Webinar" on "Information on application for funding opportunities and writing successful grant application" in association with SINE IIT Bombay	56
7	Webinar on "Industrial Electrical Designing & Training" delivered by Mr.Amit Ingle (Technical Director, EDCS Technicals Pvt. Ltd., Thane (M.S).	62
8	Webinar on "Embedded System and Robotics" , delivered by Mr. T Krishna Chaithanya, Embedded System Engineer, EdGate Technologies Pvt. Ltd.	185
9	A seminar on "You Can & You MUST WIN – Career Strategy" delivered by Mr. Hemant Patil, CEO, NextPhase Advisors LLP, New Mumbai on 3rd March 2022.	64
10	Webinar on"Innovation and Incubation Ecosystem for Research Activities at Academic Institutions"by Dr S.S.Khedkar Head Business Incubation YCCE, Nagpur	105
11	Webinar on "Basic introduction of Innovation and Incubation Ecosystem at Academic Institutions" by Dr S.S.Khedkar Head Business Incubation YCCE, Nagpur	154

12	Webinar on "Skill Development Program by Wadhwani Foundation" by Dr Santosh Bothe , Principal Saraswati Collwgw Shegaon	101
13	Webinar on "EV Powertrain, Architecture & Energy Storage"	24
14	Webinar on "Opportunities for Mechanical Engg. Students after COVID Pandemic" by Sunil Nand, M Nand Industries, Akola	67
15	Seminar on:" Institutional Preparedness for NEP by Dr Dr Santosh Bothe , Principal Saraswati College Shegaon	88
16	Expert Talk on "A Journey from Innovation to Entrepreneur"Mr, D N Dharurkar, Director Dharukar Group of Industries Aurangabad	60
17	Guest Lecture on Super Critical Boiler by Mr Ashsish Shingnapurkar, Ex Engineer NTPC Nagpur	45
18	AICTE Sponsored First National Conference on "INNOVATION MANAGEMENT" NCIM-2022	50
19	Workshop on "The way of entrepreneurship " by Vishal Mihani	36
20	Business in Grain Business by Mr Rohit Kashelani	
21	Business Mantra for MBA By Mr Vinod Bhai Didwaniya	12
22	Entrepreneurship in Retail Management by Mr Adita Tibdewal	16
23	Family Business-The way of success by Vishal Mihan	29
24	Basics of Research Methodology by prof B.T,Husain	32
25	Entrepreneurship-Need for wealthy economy by Prof W. Z Suliya	38

Title of paper	Name of the author/s	Name of journal	Department
An Optimization Framework of Adaptive Computing-plus-Communication for Multimedia Processing in Cloud:A Review	Prof.C.M.Mankar	International Journal for Research in Applied Sciences and Engineering Technology,Paper ID:IJRASET42887.	Computer Science and Engineering
Diabetes Prediction Using AWS SageMaker	Prof.C.M.Mankar	Journal of Information and Computational Science,UGC-Care Group II Certified Journal,Volume 12,issue 5,May 2022.	Computer Science and Engineering
BART Model for Text Summarization:An Analytical Survey and Review	Prof.C.M.Mankar	International Journal of Advanced Research in Science,Communication and Technology,Volume 2,Issue 5,May 2022,Certificate No:052022-A2021,	Computer Science and Engineering
A review on Sensitive data protection over wireless network under environmental noise	Prof. V.S. Mahalle	Journal of Information and Computational Science,Volume 11 issue 12,December 2021,ISSN No 1548-7741/web:joics.org	Computer Science and Engineering
Sensitive data protection pover wireless network under environmental noise.	Prof. V. S. Mahalle	Journal of Information and Computational Science,Volume 11 issue 12,December 2021,ISSN No 1548-7741/web:joics.org	Computer Science and Engineering
Review on Sentimental Analysis of Marathi Language	Prof. K.P.Sable	Journal of Information and Computational Science,Volume 11 issue 12,May 2022,ISSN No 1548-7741/web:joics.org	Computer Science and Engineering
Machine Learning – Based Prediction of Big Mart Sales	Prof. J. M. Patil	Journal of Information and Computational Science,Volume 11 issue 12,May 2022,ISSN No 1548-7741/web:joics.org.	Computer Science and Engineering
Implementation Analysis of Data Classification Approach for Scientiment Classification	Prof. J. M. Patil	International Journal for Research in Applied Science & Engineering Technology,Volume 9,Issue VII,July 2021	Computer Science and Engineering
Classification Approach and Analysis for Predictive Social Emotion on User Review	Prof. J. M. Patil	International Journal for Research in Applied Science & Engineering Technology,Volume 9,Issue IV,April 2021	Computer Science and Engineering
Sentiment Analysis of Customer Product Reviews	Prof. P. V. Deshmukh	Journal of Information and Computational Science,Volume 11 issue 12,April 2022,ISSN No 1548-7741/web:joics.org.	Computer Science and Engineering
Effective Machine Learning Approach in Breast Cancer Detection	Prof. P. V. Deshmukh	Journal of Information and Computational Science,Volume 12 issue 4,April 2022,ISSN No 1548-7741/web:joics.org.	Computer Science and Engineering
Deep Nueral Network Based Smart	Prof. A. K. Shahade	Monitoring Sytem in International Journal of Interdisciplinary	Computer Science and Engineering

Title	Authors	Journal	Department
Attendance Monitoring Sytem		Innovative Research & Development (IJIIRD)Volume 6 Issue 02,2022.	
Real time Hand Gesture Recognition System	Prof. A. K. Shahade	International journal of advanced research in Science,Communication and Technology,Volume 2,Issue 5,May 2022.Certificate No 052022-A2084	Computer Science and Engineering
E-Lib Digital Library Management System using Flutter and Dart	Prof. A. K. Shahade	International journal of advanced research in Science,Communication and Technology,Volume 2,Issue 6,May 2022.Certificate No 052022-A3239	Computer Science and Engineering
A Comprehensive Survey on Smart Attendance Monitoring System	Prof. A. K. Shahade	International journal of advanced research in Science,Communication and Technology,Volume 2,Issue 5,May 2022.Certificate No 052022-A2200	Computer Science and Engineering
Review on detection and classification of underlying causes of power quality disturbances using signal processing and soft computing technique	G.N. Bonde, S.R. Paraskar, S.S. Jadhao	Materials Today: Proceedings,	Electrical Engineering
Classification of Power Quality Disturbances in Emerging Power System UsingDiscrete Wavelet Transform and K-Nearest Neighbor	R.S.kankale, S.R. Paraskar, S.S. Jadhao	ECS Trans. (The Electrochemical Society)	Electrical Engineering
Discrimination Between inrush and fault Condition in transformer : A Probabilistic Neural Network Approch	R.Z.Fulare, V.S.Karale	Science, Technology and Development (STD)	Electrical Engineering
Mitigation of power Quality distuebances using Facts Device	Harish D Mude, P. R Bharambe, Ravishankar S Kankale	International Journal of Scientific Research in Engineering and Management (IJSREM)	Electrical Engineering
Grid interconnected PVA interfaced high efficiency water pumping system with sensorless FOC PMSM drive	Chinmay Dharmadhikari U. A. Jawadekar	The International journal of analytical and experimental modal analysis	Electrical Engineering
An Overview of Fuel Cell Technology	AjaykumarDamral	Rex Journal, Renewable Energy Journal,	Electrical Engineering

Title	Authors	Journal	Department
Power Quality Improvement using Modified Synchronous Reference Frame Theory	Pratik. R.Dhabe Bhushan Rakhonde	International Research Journal of Modernization in Engineering, Technology & Science (IRJMETS)	Electrical Engineering
Design And Simulation of BLDC Motor	Dr. Saurabh S. Jadhao, Prathamesh Chaudhari, Sakshi Kshirsagar, Ajinkya Ingale,	International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)	Electrical Engineering
Development of Smart Emergency Detection System for Hospital	Dr. AjayKumar Damral Atul Devkate Kanav Sharma Pradip Tayade Sachin Bansode Yash Saharkar	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Electrical Engineering
Development of Solar Based E-Bicycle	P.R.Bharambe Ashwini Wagh Mansi Rajput Punam Makh Rushikesh Bodade	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Electrical Engineering
Discrimination Between Inrush Current from Interturn Fault Current in Transformers based on the Non-Saturation Zone	P.R.Bharambe V.S.Karale Shivani Manatkar Komal Tayade Abhishek Patil Adarsh Moon	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Electrical Engineering
Whiteboard Cleaning Mechanism for Classrooms	Bhushan Rakhonde Roshan Rajas Pratik Bhivate	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT),	Electrical Engineering
Transmission Line Parameters Monitoring System using IoT	Ravindra Mankar, Vishal Chandak,	International Journal of Interdisciplinary Innovative Research & Development (IJIIRD)	Electrical Engineering
"Multi-Feature Extraction, Analysis and Classification for Control and Meditators' Electroencephalogram"	Dr. M. N. Tibdewal	Springer Nature-SCI Indexed Journal, SIVP.	Electronics and Telecommunication Engineering
"Deep Learning Models for Classification of Cotton Crop Disease Detection"	Dr M. N. Tibdewal	Zeichen Journal	Electronics and Telecommunication Engineering
Pneumonia Analysis, Detection, and Classification through Various Classifiers"	Dr. M. N. Tibdewal	Global Journal for Research Analysis	Electronics and Telecommunication Engineering

A Methodology for evolution of diabetic retinopathy from digital fundus Image	Dr. D. D. Nawgaje	International Journal of Advance in engineering and management	Electronics and Telecommunication Engineering
"Smart Wheelchair with safety, security and health monitoring system"	Dr. K. B. Khanchandani	Zeichen Journal	Electronics and Telecommunication Engineering
"Smart IOT Energy Meter with Theft Protection"	Dr. K. B. Khanchandani	Zeichen Journal	Electronics and Telecommunication Engineering
"Small Size Digital Oscilloscope Using ARM Processor"	Mr.V. M. Umale	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Electronics and Telecommunication Engineering
"IoT Based Remote Health Monitoring System with Electrocardiograph"	Mr.V. M. Umale	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Electronics and Telecommunication Engineering
"Design and development of warehouse management system for prevention from hazards"	Dr. D. P.Tulaskar, Shon Nemane , P. D. Kale	International Journal of Electrical, Electronics and Data Communication	Electronics and Telecommunication Engineering
"Student Performance Evaluation System WebApplication"	Mr.V. S. Ingole	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Electronics and Telecommunication Engineering
"IOT based home automation and security using ESP 32"	Mrs. K. S.Vyas	Journal of Information and computational Science,International Journal	Electronics and Telecommunication Engineering
"Door Security System for Home Monitoring based on Aurdino UNo",	Mrs. Komal S. Vyas	Journal of Information and computational Science,International Journal	Electronics and Telecommunication Engineering
The IoT Based Exercise Cycle	Mr. K. T. Kahar	International Journal of Advanced Research in Science, Communication and Technology	Electronics and Telecommunication Engineering
Smart Mirror using Raspberry PI: Review Paper	**Amit S. Manekar**, Akshay Agrawal, Vaishnavi Kanherkar, Kalyani Bonde, Radhika Jadhav	Internation Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 1	Information Technology
Smart Information Desk using Raspberry Pi	**Akshay Agrawal**, Kalyani Bonde, Vaishnavi Kanherkar, Radhika Jadhav, Amit Manekar	International Journal on Emerging Trends in Technology (IJETT), Volume 9, Issue 1	Information Technology
DeepFake Detection using Inception-ResNet-v2	**Dr. A. S. Manekar**, Anand Wankhade, Aman	International Journal of Advanced Innovative Technology in	Information Technology

	Surkar, Pranjali Pande, Kunal Nemade	Engineering (IJAITE), Volume 7, Issue 3	
Extractive Text Summarization	Vivek Bhore, Pratik Bondre, Rutik Gawande, Vushabh Guntiwar, **Priti Kale**	Internation Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 1	Information Technology
Search Engine Algorithms	**Anand Sharma**, Vaibhav Chandekar, Vikas Damre, Shrutam Dhone, Kapill Patil	Internation Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 6	Information Technology
Detailed Review on Cloud Computing and Cloud Security	**Prof. Anand Sharma**, Nikita Ingle, Arati Wadhe, Ritik Hujwant, Kaustubh Agrawal	Internation Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 6	Information Technology
Online IDE for Web Based Learning	Prajyot Burbure, Shreyash Mohod, Om Sonone, Sanket Tikar, **Faizan Khandwani**	Internation Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 5	Information Technology
Hospital and Blood Donar Finding System using Android	Punam Deokate, Rakshanda Kare, Ruchi Kumari, Sanjivni Warthe, **Prof. Faizan I. Khandwani**	Internation Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 2	Information Technology
Analysis of Problems Faced by the Indian Students to Apply for Higher Education at Foreign Universities	Muskan Bhagat, Hritik Kahalkar, Siddhant Gupta, Rohit Salampuriya, Sagar Padiya	Internation Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 4	Information Technology
CityServices	Vishal Kothalkar, Rohitraj Deshmukh, Akhil Jamatkar, Monish Sathe, **Sagar Padiya**	Internation Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 4	Information Technology
Predictive Web Portal for Indian Students to Apply for Higher Education at Foreign Universities	Muskan Bhagat, Hritik Kahalkar, Siddhant Gupta, Rohit Salampuriya, **Sagar Padiya**	International Journal of Advanced Innovative Technology in Engineering (IJAITE), 2022, 7(3)	Information Technology
Use of OCR Technology for Data	**Sumit Muddalkar,**	Internation Journal of Advanced Research in Science, Communication	Information Technology

Extraction using Amazon Textract	Kiran Kolte, Ayush Batra, Ayush Naphade, Neha Lokhande	and Technology (IJARSCT), Volume 2, Issue 3	
Electric Vehicle Charging Station Finding App	**Sumit Muddalkar**, Nishant Chaturkar, Khushal Ingole, Shreyash Wadaskar, Rahul Lanjewar	Internation Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 2	Information Technology
Social Media Application Development in Android with Firebase	Dhanshri Therokar, Devshri Pohare, Manjiri Kolte, Priyal Sonar, **Prof. Pallavi Bute**	Internation Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 2	Information Technology
Effect of COVID Work from Home on the Health of Students based on the Active Step Counts Per Day	**K. J. Sapkal**, Vandita Joshi, Gauri Panpaliya, Suyash Chilwarwar, Kartik Chauhan	International Journal of Innovative Research in Technology (IJIRT), Volume 8 Issue 11	Information Technology
SQL Detection Tool	**K. J. Sapkal**, Rushikesh Ambuskar, Priti Vyas, Nitesh Mankar,Ashwin Bagade, Sahil Annaldewar	Internation Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 5	Information Technology
Remote Healthcare Monitoring System using IoT	Rohit Bhutada, Pream Karale, **Prof. Ms. Krutika Sapkal**	International Journal of Advanced Innovative Technology in Engineering (IJAITE), Volume 7, Issue 3	Information Technology
A Study of Pose Estimation and Its Recent Advancements	Om Masne, Mohit Bohra, Gita Fase, **Amitkumar Manekar**, Kshitij Khillare	International Journal on Emerging Trends in Technology (IJETT), Volume 9, Issue 1	Information Technology
Development of Mechanical Fuel Injector Testing Machine in Cost Effective Manner	Dr.V.K.Thute	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Mechanical Engineering
Fabrication of Robot to Assist the Firefighter	Dr.J.G.Khan	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Mechanical Engineering
Development of low maintenance desert	Prof C.VPatil	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Mechanical Engineering

Design and Development of Puncture Kit	Prof. N. B. Borkar	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Mechanical Engineering
Design and fabrication of IoT enabled air purification system	Prof.Pradip Patokar	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Mechanical Engineering
Design and Fabrication of Portable and Foldable Sand Filter Machine	Prof R. V. Rajkolhe	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Mechanical Engineering
Design and Development of a Portable Thermo-Electric cooler Bottle	Prof. N. G. More	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Mechanical Engineering
Role of Chemistry In Everyday Life And Some Engineering Streams	Dr. Rajesh M. Kharate	International Journal of Modern Pharmaceutical Research	Applied Sciences & Humanities
Ce-doped Nb2O5; Synthesis and Ethanol Sensing Properties	Dr.A.S.Tale	IOSR Journal of Applied Chemistry (IOSR-JAC)	Applied Sciences & Humanities
A Study on Awareness of Risks and Risk Management Practices among Contractors in Buldhana District	I-Bilal Husain,II-Dr. S.G.Chapke	SAMRIDDHI : A Journal of Physical Sciences, Engineering and Technology	MBA
OKM and ai TECHNIQUES-Innovation in Human Resourse Management	H.M. Jha Bidyarthi and Dr. L.B Deshmukh	Management Insight the Journal of Incisive analysers	MBA

8 Extension and Outreach Programs

Sr. No.	Name of the activity	Organising unit/ agency/ collaborating agency
1	Yog Diwas Program	NSS, SSGMCE SHEGAON
2	Covid Vaccination Camp - 2	NSS, SSGMCE SHEGAON
3	Tree Plantation week	NSS, SSGMCE SHEGAON
4	Mazi Vasundhara Abhiyaan	NSS, SSGMCE SHEGAON
5	Independence Day Celebration	NSS, SSGMCE SHEGAON
6	Mahatma Gandhi & Lal Bahadur Shastri Jayanti	NSS, SSGMCE SHEGAON
7	Vidyapeeth Jalsandharan Spardha (Water Conservation Compitition)	NSS, SSGMCE SHEGAON
8	National Votor Day	NSS, SSGMCE SHEGAON
9	Blood donation camp at Kherda	NSS, SSGMCE SHEGAON
10	Tree Plantation	NSS, SSGMCE SHEGAON
11	Waste Management & Cleanliness Drive at Village Kherda	NSS, SSGMCE SHEGAON
12	Guidance on various Agricultural issue/ Farmers problem	NSS, SSGMCE SHEGAON
13	Animal Health Check up camp	NSS, SSGMCE SHEGAON
14	Cyber crime Awareness Programme	NSS, SSGMCE SHEGAON
15	Health Check-up camp for villegers in Kherda	NSS, SSGMCE SHEGAON
16	Rain Water Harvesting (Water Conservation)	NSS, SSGMCE SHEGAON
17	Deaprtmental Visit and orientation about electronics engineering of Z. P. High School Pimpalgaon Kale students and Teachers	EXTC, SSGMCE Shegaon
18	One Day Workshop On "Electronics Equipments and Their Applications"	EXTC, SSGMCE Shegaon
19	Yoga Training Session for Children of Kherds Gosavi	EXTC, SSGMCE Shegaon
20	Online Workshop for seventh and Ninth standard students of SSGM English school, Shegaon	EXTC, SSGMCE Shegaon
21	Workshop on Introduuction to Welding Technology for ITI Students	Mechanical Engineering Department , SSGMCE, Shegaon
22	"Operation and Control of Electrical Motors " for Second Year Students of " Government ITI Shegaon, Dist- Buldhana (M.S.) and Government ITI Balapur,	Electrical Engineering Department , SSGMCE Shegaon

9 MoUs / Linkages

Sr. No.	Activity	Tata Power Skill Development Institute, Shahad
1	MoU	Pi R Square Solutions Pvt. Ltd. Pune
2	MoU	Opine Group, Pune
3	MoU	Imperial Society of Innovative Engineers (ISIE India) Noida, UP
4	MoU	Adani Thermal Power Station, Dahanu, Mumbai
5	MoU	Renuka Technologies Private Limited, Nagpur
6	MoU	Saturday Club Global Trust
7	MoU	Agnipankha Energy Pvt. Ltd and SGIARC-TBI Foundation
8	MoU	BASE Education, Jalgaon-425001 (M.S.)

10 Scholarships Offered -Institute and Government

Name of the scheme	Number of students	Amount (Rs)
Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna(EBC)	284	13797758.00
Scholarship for students of minority communities pursuing Higher and Professional courses(DTE)	5	125000.00
Post Matric Scholarship to OBC Students	436	24460558.00
Post Matric Scholarship to SBC Students	9	963640.00
Post Matric Scholarship to VJNT Students	96	10280802.00
Tuition Fees and Examination Fees to OBC Students	196	9889500.00
Tuition Fees and Examination Fees to SBC Students	12	187844.00
Tuition Fees and Examination Fees to VJNT Students	51	5103648.00
Government of India Post-Matric Scholarship	123	15002240.00
Post-Matric Tuition Fee and Examination Fee (Freeship)	54	6206455.00
Post Matric Scholarship Scheme (Government Of India)	22	2741408.00
Tuition Fee & Exam Fee for Tribal Students (Freeship)	15	1697721.00
Central Sector Scholarship	17	170000.00
Merit cum means scholarship	3	75000.00
Pragati Scholarshp Scheme	27	1350000.00
Prime Minister Special Scholarship Scheme	4	96000.00
Total	**1354**	**79391666.00**
Name of the scheme	**Number of students**	**Amount (Rs)**
Merit Scholarship (Hon'ble Shri Shankar Kaka Pandit)	195	244000.00
Donor's Scholarship	71	171473.00
Award of GATE Scorer(Sponsored)	11	12000.00
Best Project Award (Sponsored)	56	9000.00
Fee Concession	7	402741.00
Hostel and Mess Waiver	20	820000.00
Mess Waiver	1	16000.00
Hostel Waiver	2	50000.00
Sports	4	4000.00
Total	367	1729214.00

11 Career Counseling Programs

Sr. No.	Name of the Activity
1	How to Prepare for UPSC/ MPSC Civil Services by Mr. Ajit Chahal, The Unique Academy, Pune on 09/04/2022
2	Orientation Program and carrier guidance First Year
3	Webinar on Job Avenues in Electronics and Telecommunication Engineering
4	A seminar on "You Can & You MUST WIN – Career Strategy" delivered by Mr. Hemant Patil, CEO, NextPhase Advisors LLP, New Mumbai

PLACEMENT DATA OF THE YEAR 2021-22

Sr. No.	Name of Company	Branchwise Status					No.of students placed
		C S E	E X T C	M E C H	E E	I T	
33	Collabera, Bangalore	-	-	-	-	01	01
34	Sankey Business Solutions Pvt.Ltd., Mumbai	-	-	-	-	01	01
35	Infosys Limited, Bangalore	-	01	-	02	-	03
36	ICICI Prudential Life Insurance Pvt Ltd	MBA					04
37	Neilsoft	-	-	03	03	-	06
38	Rucha Engineers Pvt. Ltd., Aurangabad	-	-	13	-	-	13
39	Excellon Software Pvt.Ltd., Pune	-	-	-	-	01	01
40	Northern Arc Capital, Mumbai	01	-	-	-	-	01
41	Tech Mahindra Limited, Hyderabad	-	-	-	01	-	01
	MBA						12
TOTAL NUMBER OF STUDENTS PLACED		**117**	**152**	**45**	**78**	**120**	**512+16**

13 Students qualifying in Competitive Exams

Sr. No.	Name of Student	Qualifying Exam
1	Gauri Sanjay Panpaliya	GATE
2	Pratik Gajanan Bondra	GATE
3	Anand Eknath Wankhade	GATE
4	Rushikesh Raghunath Patil	GATE
5	Tanmay Madhukar Band	GATE
6	Sudhanshu Ramesh Sathawane	GATE
7	Sakshi Prashant Thakre	GATE
8	Anup Dnyaneshwar Dongre	GATE
9	Anup Dnyaneshwar Dongre	GATE
10	Shubham Vasantrao Gawande	GATE
11	Abhishek Sanjay Wankhade	GATE
12	Priyatosh Partho Chatterjee	GATE
13	Mohit Vijaykumar Bohra	CAT
14	Siddhant Jeevanlal Gupta	TOEFL
15	Shruti Deepak Lahoti	IELTS

14 Awards in sports and cultural Activities

Sr. No.	Name of the student	Name of the award/ medal	University / State / National / International	Sports / Cultural
1	Tanavi Nanote	Nation Volleyball Championship	National	Sports
2	Swamini Patil	Colour in Cricket (W)	Inter University	Sports
3	Manan Goel	Colour in Basket Ball (M)	Inter University	Sports
4	Chinmay Harane	Colour in Chess Team (M)	Inter University	Sports
5	Gauri Jalamkar	Runner Chess (W)	University Inter-Collegiate	Sports
6	Ashwini Kalskar	Runner Chess (W)	University Inter-Collegiate	Sports
7	Gayatri Deshmukh	Runner Chess (W)	University Inter-Collegiate	Sports
8	Sakshi Sarode	Runner Chess (W)	University Inter-Collegiate	Sports
9	Om Bayaskar	Colour in Cricket (M)	Inter University	Sports
10	Jayashri Shetye	Colour in Taekwondo (W)	Inter University	Sports
11	Jayashri Shetye	First rank in Boxing (W)	University Inter-Collegiate	Sports
12	Jayashri Shetye	Colour in Boxing (W)	Inter University	Sports

15 Teaching / Non-teaching Staff attending training Programs

Name of the faculty	Title of the Professional Development Programmes
Dr. N. M. Kandoi	1.Security in Blockchain & Cyber Physical Systems Design
Prof. C. M. Mankar	1.Effective Utilization Of Tools For Research & Publication
Prof. V. S. Mahalle	1. Deep Learning Application In Cyber Security
	2. Creative And Innovative Approaches For Teaching And Learning
	3. Emerging Trends in Research Paper Writing
Prof. P. K. Bharne	1.Effective Utilization Of Tools For Research & Publication
Prof. K. P. Sable	1. Python For Data Science
	2. Recent Advancement In Artificial Intelligence
	3. Advanced Concepts Of Outcomes Based Education
	4. Sensor Data Analytics
Prof. J. M. Patil	1.Security In Block Chain & Cyber Physical Systems Design
	2.Application Data Science And Iot In Healthcare,Social Care And Business Aspects"
	3.Trending Technologies In Computer Science
	4. Outcome Based Education In Professional Institutions
	5. Examination Reforms
	6.Deep Learning Applications In Cyber Security For Engg & Sci
	7. Internet Of Things: Product Design , Development And Implementation
	8.INSIGHTS OF NBA
Prof. A. K. Shahade	1.Recent Trends In Quantum Computing
	2. Machine Learning In Cyber Security
	3. Research Methodology
	4. Recent Advancements In AI
	5. Innovative & Inventive Problem Solving
	6.Deep Learning Applications In Cyber Security For Engg & Sci
Prof. P. V. Deshmukh	1.Machine Learning & Its Application
	3.Recent Advancement In Artificial Intelligence
	4.Insights Of Research In Image And Video Processing
Prof. L. Samal	1.AI For EO & Geodata Handling & Processing
Prof. D. P. Patil	1.Recent Trends In Machine Learning & Data Science
Prof. S. B. Pagrut	1.Data Science And Iot In Healthcare,Social Care And Business Aspects"
	2. AI/ML for Computer Technology (MeitY)
Prof. R. A. Zamare	1.Effective Utilization Of Tools For Research & Publication
Prof. H. M. Deshmukh	1.Effective Utilization Of Tools For Research & Publication
	2. Intellectual Property Rights: Idea Generation to Leveraging Commercially

Dr. S. R. Paraskar	ISTE approved refresher programme on "Battery Energy Storage System & its Management"
Dr. R. S. Pote	Attended FDP on "Development and Application of Renewable Energy source in power system "
Mr. U A Jawadekar	ISTE approved refresher programme on "Battery Energy Storage System & its Management"
Dr. Mrs. A U Jawadekar	Attended the online National FDP on "New Guidelines for AQAR"
Dr. Mrs. A U Jawadekar	ISTE approved refresher programme on "Battery Energy Storage System & its Management"
Dr. S S Jadhao	Completed Four Week Training Programme on "Electrical Engineering @ Large Scale Industries"
Mr. R. Z. Fulare	Attendnded one week FDP on " Advancees in Renewable Energy and Electric Vehicles"
Mr. P R Bharambe	One week FDP on the theme "Inculcating Universal Human Values in Technical Education"
Mr. R S Kankale	Completed Four Week Training Programme on "Electrical Engineering @ Large Scale Industries"
Mr. M R Chavan	Successfully completed NPTEL 4 week certification course on "Effective Engineering Teaching in Practice"
Mr. R K Mankar	One week online STTP on Analytics of Power Systems STTP Department of Electrical Engineering, SVNIT, Surat (Gujarat)
Mr. G. N. Bonde	Attended the(ATAL) FDP on " Outcome Based Learning"
Dr. A. K Damral	AICTE-ISTE Approved Orientation/Refresher Programme on "AI in Electrical Signal Analysis"
Mr. V. S.Karale	Attended the(ATAL) FDP on " Outcome Based Learning"
Mr. B S Rakhonde	Attendeded online Workshop on "Nature Inspired Optimization Technique and Microgrid Applications"
Mr. P R Dhabe	Attended AICTE Sponsored one week STTP on "Renewable Energy Sources" organised by St Vincent Pallotti College of Engineering &Technology Nagpur
A.N. Dolas	Online 12-week FDP and certification course on "Computer Networks and Internet Protocol" Jan-April 2022 organized by NPTEL
K.T. Kahar	Indian Nanoelectronics Users' Program - Idea to Innovation (INUP - i2i) Familiarization Workshop on Nanofabrication Technologies
	Hands-on Training on "Effective Utilization of Tools for Research & Publication
	Future Aspects of Blockchain Technology and its Applications
	Recent Trends in Nanotechnology
	Internet of Things: Product Design, Development and Implementation
S.P. Badar	Recent Trends in VLSI Devices, Circuits and Applications
	Emerging Issues of VLSI Design
	Emerging Issues of VLSI Design
	Emerging Technologies of Opto-VLSI and Its Application

	ASIC Design for Driving Digital Innovations In Next Gen Platform Lab On Chip Engineering
	VLSI -IP Design Approach to SRAM compiler design- Lab on Chip Engineering
	Research Issues in VLSI Design and Testing
V.N. Bhonge	Recent Trends in Nanotechnology
	Future Aspects of Block Chain Technology and its Applications
K.B.Khanchandani	Internet of Things: Product Design, Development and Implementation
	Basic Image Classification with TensorFlow,Coursera
	Hyperparameter Tuning with Keras Tuner,Coursera
	Object localisation with tensor flow,Coursera
D.L.Bhombe	NITTTR Chandigarh FDP on Industrial IOT & Robotics
	ATAL Learnng & Training Academy FDP On IOT Product Design , Development & Implementation
D.P.Tulaskar	Attended hands on training program on"Effective utillization of tools for research and publication" at SSGMCE Shegaon
R.S.Dhekekar	One Week Online Faculty Development Programme on "Research Opportunities in Electrical Power Engineering" organized by Department of Electrical and Electronics Engineering, Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh, India
V.M Umale	One Week Online STTP/Refresher Program on "Project Based Learning" SPPU & ISTE New Delhi
T.P.Marode	FDP on "IoT and cloud computing", KCCEMS and R,Thane
K.M.Thanvi	Blockchain Technology and Its Applications
K.M.Thanvi	19 days online education and social training program for women conducted by Lheslie Sawhny Nashik
A.A. Deshmukh	20 days online education and social training program for women conducted by Lheslie Sawhny Nashik
P.R.Wankhede	Advances in Deep Learning for Multimedia Signal Processing
	Industrial Automation using PLC Programming
	All India Student Young Professionals Woman in Engineering Life Member Congress 2021 organized by IEEE India Council
	Embedded Systems - An Application Driven Approach
V.S.Ingole	Effective Utilization of Tools for Research & Publication
S.G.Nemane	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Internet of Things: Product Design, Development and Implementation" 2021 at Shri Sant Gajanan Maharaj College of Engineering, Shegaon.
S.G.Nemane	Lecture Series & Hands-on Training on "Effective Utilization of Tools for Research & Publication" organized by R & D Cell,Shri Sant Gajanan Maharaj College of Engineering, Shegaon

P.D.Kale	"Electromagnetics: Recent Trends and Future Applications", IIT Indore (Online mode)
S.B.Patil	Creative and Invovative approches for teaching and learning
	Patent analytics course
	VLSI SoC design using Vrilog HDL
	Machine learning and Python
Mr.M.B. Dhamande	How to carry out Research ?Tips for Research Schloars
	A Super prement magnet Technical Challenges & opportinuites
	Marine Instrumentation
	Excel Training
	Spoken English workshop
Mr.Saleem Ahmad	Spoken English workshop
	IQAC MESCEP's MS Office-Word,Excel and Advanced Excel
Mr.M.Y.kasikar	Spoken English workshop
	Advanced Excel Training
	Internet of Things: Product Design, Development and Implementation
	Marine Instrumentation
Mr.S.P.Satal	Spoken English workshop
Mrs.S.S.Gachke	Spoken English workshop
	Human Health Problem Solving Techniques
	Scientific & Rational Thinking
	Strategies of stress-free Healthy Life
	Office and Laboratory Management for Non Teaching Staff
	Basic Counselling Techniques
	De-addiction and Mentality
	Online Education Methods and Students' Mentality
	Students' Career Guidance (UG/PG)
	Suicide and Mentality
Prof.A.S.Manekar	One week orientation/Refresher program on "Blockchain Technologies and its uses" Organised by MMMCOE Pune approved by AICTE/ISTE
	Online Elementary FDP on "Emerging Challenges in Cyber Security" at Govind Ballabh PantEngineering College by AICTE ATAL.
	One Week Faculty Development Program on "Data Science" organized by PCET's PCOET, Pune
	One Week Short Term Training Programme through ICT Mode on "HPC and Cloud Computing" organised by NITTTR Kolkata
	One Week STTP through ICT Mode on "Leadership in Academia" organised by NITTTR Kolkata
	One Week STTP through ICT Mode on "NBA Accreditation for Polytechnics and Engineering Colleges" organised by NITTTR Kolkata
	One Week STTP through ICT Mode on "NBA Accreditation Issues" organised by NITTTR Kolkata

	One Week STTP through ICT Mode on "Technology Enabled Learning" organised by NITTTR Kolkata
	Online Faculty Development Program on "Advances in Web Technology" organised by Department of I.T MIT Pune
	Short Term Training Programme through ICT Mode on "Introduction to PYTHON Programming"
	Short Term Training Programme through ICT Mode on "Management Aspects of Laboratory Classes" organized by NITTR Kolkata
	Online Elementary FDP on "Quantum computing for real world applications" at VIT Pune by AICTE ATAL.
	AICTE- "Institutional initiative for Technical Teachers Training" by NITTR
	AICTE- "Communication skills and modes of knowledge dessimination" by NITTR
	AICTE- "Students assessment and evaluation" by NITTR
Prof. P.V.Kale	Online elementary FDP on "ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING: RESEARCH AND APPLICATION PRESPECTIVE" by AICTE ATAL
	One Week FDP on "Augmented & Virtual Reality with Data Science" Organized by P. R. Pote College of Engg Amravati
	Online Elementary FDP on "OBJECT DETECTION AND RECOGNITION USING DEEP LEARNINGTECHNIQUES" By AICTE, ATAL
	Online Elementary FDP on "Emotional Quotient, Intelligent quotient and social Quotient" By AICTE ATAL
Prof.F.I.Khandawani	Online Elementary FDP on "Recent Advancement in Artificial Intelligence" by AICTE ATAL
	Online STTP on "Exploring latest trends in big data and Machine Learning" organized by P.R.Pote College og Engg Amravati
	One Week Faculty Development Program on" Augmented & Virtual Reality with Data Science" organized by P.R.Pote College og Engg Amravati
	One Week STTP on "Multidisciplinary Applications of MATLAB in Engineering" organized by P.R.Pote College og Engg Amravati
	5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by AICTE
	One week Faculty development program for SSGMCE by "Leadscape Scholar Worrier"
	Online workshop on "Designing and modelling of IoT,AI and ML Systems" organized by AICTE ATAL at SSGMCE, Shegaon
Prof. S.D.Padia	Online Elementary FDP on "Internet of Things: Product Design, Development and Implementation" by AICTE ATAL
	Online Advanced FDP on "Enabling Entrepreneurship and Start-Up Mindset" by AICTE ATAL

	One Week STTP on "Sensor networks and IoT applications using python
Prof.S.S.Muddalkar	Online Elementary FDP on "Internet of Things: Product Design, Development and Implementation" by AICTE ATAL
Prof.P.P.Bute	Online "UHV Refresher 1 FDP" organized by All India Council for Technical Education(AICTE)
	Online FDP course on "Accreditation and outcome based learning" by AICTE NPTEL
	Online FDP course on "Python for data science" by AICTE NPTEL
	Online FDP course on "Systems and Usable security" by AICTE NPTEL
Mr.P.N.Nikhade	Five days online FDP on "Inculculating Human values in Technical education" by AICTE ATAL
	Online "UHV refresher FDP Part1 " by AICTE ATAL
	One week online STTP on "Active learning under Engineering Education" by NITTTR Kolkata
	Virtual Interdisciplinary Employee development program for supporting staff" by VIT Pune
	"Spoken English Workshop" Organised by SSGMCE Shegaon
Mr.D.B.Thakare	"Spoken English Workshop" Organised by SSGMCE Shegaon
Prof. M.B.Bhambere	Woshop on Developing skill for teaching, learning and well-being
	FDP on the Advanced Fluid Mechanics and Heat Transfer for Aerospace applications
	Three days STTP on Make a Research Paper
	"Online workshop on CFD- An Approach for Research" organized by TKM COE Kerala
	"One Week online workshop on A Beginner's Perspective on EV " organized by Pimpri Chichwad College of engineering Pune
	One week STTP (online) on Data Analysis in MS Excel for Research
	Two week online workshop on Advanced CFD for Industrial Applications
	One week STTP on Research Methodology-Tools and Techniques-III organized by SVNIT Surat
	"AICTE-ISTE Approved Active Teaching Learning Process" organized by MGI COE Shegaon
Prof A.S.Bharule	"Interactive-Impactful E learning techniques" organized by K C college of engineering and management studies
	"Evolving trends in research" organized by Angel indtitute of Technology
	"Composites: Fracture toughness NDE and failure analysis
	"Advanced Measurement techniques" organized by VIT Pune
Prof N.B.Borkar	FDP on Electric Vehicles
	Bridging the gap industry institute for engineering curricula

Prof. P. T. Patokar	One week STTP on Material science and engineering
	Bridging the gap industry institute for engineering curricula
	Blended learning and flipped classroom
	FDP on Future Technologies for Smart Cities
Prof. K.D.Gadgil	Online FDP on Finite Element Meshing
	"Faculty Development Program on CFD
Prof K.V.Chandan	FDP on the Research Methodolgy Tools and Techniques
	FDP on the Building Energy technology and recent trends in HVAC
	FDP on the Internet of Things (IoT)
	FDP on the Awareness webinar on outcome based education and accreditation
	FDP on the Academic leadership in higher education

16 Financial Support Provided

Sr. No.	Name of teacher	Name of conference /Workshop attended for financial support provided	Department	Evidences
1	Dr. Mrs. A. U. Jawadekar	National level online FDP on New guidelines of AQAR during 20 - 23 December 2021organised by Modern College of Art, Scirence & Commerce Pune	Electrical Engineering	Click Here
2	S. P. Badar	Workshop on "Recent Trends in FinFET & Nano-Sheet cell design"	Electronics and Telecommunication Engineering	
3	Amit Dolas	NPTEL FDP		
4	K. M. Thanvi	NPTEL Certification course		
5	Dr. P. R. Wankhede	Membership		
6	S. P. Badar	Membership		
7	K. M. Thanvi	Membership		
8	K. T. Kahar	International Conference on Novel Materials and Technologies in Energy and Environmental Applications		
9	Dr.S.P.Trikal	Training Program on Automobile Engineering	Mechanical Engineering	Click Here
10	Prof. S.Q Sayed	Training Program on Automobile Engineering		
11	Prof. P.T Patokar	Training Program on Automobile Engineering		Click Here
12	Mr. A H Akahre	Training Program on Automobile Engineering		
13	Dr.J.G Khan	Training Program on Automobile Engineering		
14	Prof. K.V Chandan	Training Program on Automobile Engineering		
15	Prof. A.S Bharule	Training Program on Automobile Engineering		Click Here
16	Mr. N.D Kamawsidar	Training Program on Automobile Engineering		
17	Dr.S.P.Trikal	Membership		
18	Prof.M.B.Bhambere	Membership		Click Here
19	Principal Dr. S.B Somani	Membership	Mechanical Engineering	Click Here

20	Dr. H. M. Jha "Bidyarthi"	National Conference on Innovation Management NCIM-22	Master of Business Administration	Click Here
21	Dr Amitkumar Manekar	National Conference on Innovation Management NCIM-22		
22	Dr. L B Deshmukh	National Conference on Innovation Management NCIM-22		
23	Dr. P. M. Kuchar	National Conference on Innovation Management NCIM-22		
24	Dr. S M Mishra	National Conference on Innovation Management NCIM-22		
25	Dr. M A Dande	National Conference on Innovation Management NCIM-22		
26	Prof. V V Patil	National Conference on Innovation Management NCIM-22		
27	Prof. W Z Suliya	National Conference on Innovation Management NCIM-22		
28	Prof B T Husain	National Conference on Innovation Management NCIM-22		

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

ESTD.1983

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SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON

Annual Report of Examination
Academic Year 2021-22

Sr. No.	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1	110124210	B.E. Computer Science and Engineering	82	77	93.90
2	110135610	B.E. Electrical Engineering (Electronics & Power)	82	74	90.24
3	110137210	B.E. Electronics and Telecommunication Engineering	173	163	94.21
4	11012461	B.E.Information Technology	83	81	97.59
5	110161210	B.E. Mechanical Engineering	88	81	92.04
6	110124510	M.E. Computer Engineering	4	1	24
7	110129210	M.E. (Electrical Power System)	2	0	0
8	110134310	M.E. Digital Electronics	2	0	0
9	110190710	M.E. (Advance Manufacturing and Mechanical System Design	3	0	0
10	11010110	Master of Business Administration	69	15	21.73
Total Count			**588**	**492**	**83.67**

Controller of Examination

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

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"

Annual e-Governance Report 2019-20

Introduction:
During the academic year 2019-20, institution made significant strides in enhancing administrative efficiency through the adoption of various automation tools. These initiatives aimed to streamline administrative processes, reduce manual tasks, and improve overall operational effectiveness.

Key Achievements:
The implementation of automation tools resulted in the successful streamlining of several administrative tasks. The following tasks were automated, leading to notable improvements in operational efficiency:
List of Students
Student Details
Student Admission Confirmation
Branch Change
Class Transfer
Mark Distribution Certificate (DC)
Mark Left
Printing of Student ID Cards
Fees Status Tracking
Online Application Processing
Generation of Outstanding Reports

Impact:
The adoption of automation tools brought about several benefits, including:
Reduction in manual workload for administrative staff
Accelerated processing times for various administrative tasks
Enhanced accuracy and consistency in data management
Improved transparency and accessibility of administrative information
Streamlined communication between different departments and stakeholders

Future Directions:
As we look ahead, the institution remains committed to leveraging technology to further enhance e-governance practices. Institute aim to continue exploring innovative solutions to optimize administrative processes, empower stakeholders, and foster a culture of efficiency and transparency.

Conclusion:
The implementation of automation tools during the academic year 2019-20 represents a significant milestone in our institution's e-governance journey. By embracing digital transformation, administrative operations were streamlined but also paved the way for continued progress and innovation in the years to come.

Dr S.B.Somani
(Principal)

Scholarship Committee – 2020-21

REPORT

The committee has worked out on various aspects of scholarships and awards to students, such as merit scholarship, donor's scholarship, award to GATE scorer, award to best project etc.

Recommendations of scholarship committee

1) **Merit Scholarship:**

Class and Branch wise lists of students having scored marks 65% and above, in Winter-2019 and Summer-2020 examination were prepared. The merit scholarships to these students were recommended as per following criteria.

Branch	Students' Eligibility	Amount per stud. in Rs.
BE Electrical Engineering, BE Mechanical Engineering, BE Computer Science & Engg, BE Information Technology MBA (w.e.f :2011-12)	First Five students in each class (as per merit list)	1500/-
	Next Five students in each class (as per merit list)	1000/-
BE Electronics &Telecommunication Engineering	First Ten students in each class (as per merit list)	1500/-
	Next Ten students in each class (as per merit list)	1000/-

2) **Donor's Scholarship:**

The college has raised a scholarship fund for meritorious, hardworking and deserving students. Well-wishers of the college have kindly deposited lump sum amount in this fund. The interest on this fund is distributed as scholarship to the students fulfilling the criteria stated by the donor.

3) **Award to GATE Scorer:**

In order to motivate the students to appear for GATE, the college has decided to give prizes to students having valid GATE score.

The recommendation about amount of awards to valid GATE scorer for motivating the students to appear for GATE, the Awards/prizes to regular student of SSGMCE having valid GATE score as given below w.e.f.-2012 (Ref. Letter No.: GMCE/54/2012, dated 11/04/2012).

Students' Eligibility	Awards/Prize	Amount
Topper in Valid GATE Score list (Department wise)	First	1500/-
Second topper in Valid GATE Score list (Department wise)	Second	1000/-
All others who secured Valid GATE Score	Consolation	500/-

4) Award to Best Project:

In order to motivate the student to work on industry sponsored and real life problem related projects, the college has decided to give prizes to best two projects from each branch (Best four projects from EXTC branch). Project evaluation committee of respective department suggested best projects in their department. Prizes to best projects were awarded as per following criteria.

Number of Beneficiaries and Amount will be submitted separately as and when result declare		
Branch	**Students' Eligibility**	**Amount**
BE Electrical Engineering, BE Mechanical Engineering, BE Computer Science & Engineering, BE Information Technology	First best project	1000/-
	Second best project	500/-
BE Electronics &Telecommunication Engineering	First two best projects	1000/- each
	Second two best projects	500/- each

5) Hostel and Mess Waiver Scholarship:

To support the economically poor students, college has decided to waive off hostel fee and mess charges to these students after detailed verification and approval from Hon. Managing Director.

6) Sports-Awards: In order to motivate the students to participate in various types of sports, to develop physical fitness and utilization of world-class sport facilities, the sports department organizing sports week every year. Cash prizes have been given to 05 participants (Color Coat Holders in Sports and Cultural Activities).

Summary of Scholarships and Awards (2020-21)

SN.	Type of Scholarship	Number of Beneficiaries	Total Amount in Rs.
1	Merit Scholarship (Hon'ble Shri Shankarkaka Pandit)	142	1,81,000 /-
2	Donor's Scholarship	124	4,00,573 /-
3	Award to GATE Scorer(Sponsored)#	-	-
4	Best Project Award (Sponsored)*	-	-
5	Fee Concession*	-	-
6	Hostel and Mess Waiver*	-	-
7	Mess Waiver *	-	-
8	Hostel Waiver*	-	-
9	Sports-Awards*	-	-
TOTAL	**In Fig**	**266**	**5,81,573 /-**
	In words	Two hundred and Sixty Six	**Rs. Five Lac Eighty One Thousand Five Hundred and Seventy Three Only**

GATE scholarship given from Donor's Scholarship, * Not awarded due to COVID-19 pandamic

Encl: Lists of students eligible and recommended for various types of Scholarships/ Awards.

Submitted for kind approval.

Thanking you.

Prof. P. V. Kale
Chairman, Scholarship Committee
SSGMCE, Shegaon

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Internal and External Academic audits conducted for all the departments.
Energy audit, Environmental audit and green audit conducted

IQAC Meeting summary

Academic Year	Meeting date
2022-23	22-07-2021
	20-01-2022
	06-04-2022
	17-05-2022