



Annual Report 2019-20





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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Annual Report

2019-20



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

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INDEX

SN	Title
1	Admission Status
2	Certificate/ Value Added courses
3	Students Internship /Training
4	Result of Outgoing Students
5	Grants Received from government and Non-government Agencies
6	Industry-led Workshops and Seminars
7	Research Publication
8	Extension and Outreach Programs
9	MoUs / Linkages
10	Scholarships Offered -Institute and Government
11	Career Counselling Programs
12	Training and Placement
13	Institute Innovation Council
14	Students qualifying in Competitive Exams
15	Awards in sports and cultural Activities
16	Teaching / Non-teaching Staff attending training Programs
17	IQAC

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	5
	110124210(PMSSS / NEUT)	1	2
B.E. First Year Electrical Engineering (Electronics and Power)	110135610	60	59
	110135611T(TFWS)	3	3
	110135610(EWS)	6	1
	110124210(PMSSS / NEUT)	1	1
B.E. First Year Electronics and Telecommunication Engineering	110137210	120	120
	110137211T (TFWS)	6	6
	110124210 (EWS)	12	8
	110124210(PMSSS / NEUT)	1	1
B.E. First Year Information Technology	110124610	60	59
	110124611T (TFWS)	3	3
	110124610 (EWS)	6	5
	110124610 (PMSSS / NEUT)	1	0
B.E. First Year Mechanical Engineering	110161210	60	60
	110161210T (TFWS)	3	3
	110161210(EWS)	6	0
	110161210(PMSSS / NEUT)	1	0
M.E. Electrical Power System	110129210	18	3
	110129210(EWS)	2	0
M.E. Digital Electronics	110134310	30	2
	110134310(EWS)	2	0
M.E. Computer Engineering	110124510	18	7
	110124510 (EWS)	2	0
M.E. Advance Mfg & Mechanical System Design	110190710	24	8
	110190710(EWS)	2	0
Management (MBA)	110110111	60	60
	110110111(EWS)	6	5

Name of Add on /Certificate programs offered	Duration of course	Number of Students completing the course in the year
Campus Recruitment Development Programme (Aptitude) BE 4th year Students	42 Hours	197
Overcoming Fear and Anxiety (Campus Recruitment Training)	30 Hours	397
Placement Enhancement Training 3rd Year	42 Hours	412
Placement Enhancement Training 2nd Year	30 Hours	400
Certificate program on "Industrial Approach in Electronics and Arduino Programming"	30 Hours	48
Certificate Course on AutoCAD	35 Hours	24
Microsoft Excel Course	30 Hours	60
NPTEL-Introduction to Programming In C	8 Weeks (July-Sept 2019)	1
NPTEL-C Programming And Assembly Language	4 Weeks (Jul-Aug 2019)	1
NPTEL-Programming In Java	12 Weeks (July- Oct 2019)	3
NPTEL-The Joy of Computing Using Python	12 Weeks (July- Oct 2019)	6
NPTEL-Electrical Distribution System Analysis	8 Weeks (July-Sept 2019)	1
NPTEL-Sensors and Actuators	12 Weeks (July- Oct 2019)	1
NPTEL-Introduction to Machine Learning	8 Weeks (July-Sept 2019)	1
NPTEL-Marketing Management-I	8 Weeks (July-Sept 2019)	5
NPTEL-Concepts Of Thermodynamics	12 Weeks (July- Oct 2019)	1
NPTEL-Practical Machine Learning with Tensorflow	8 Weeks (Aug- Oct 2019)	1
NPTEL-Marketing Research and Analysis	8 Weeks (Aug- Oct 2019)	5
NPTEL-Fluid Machines	8 Weeks (Aug- Oct 2019)	1
NPTEL-Python for Data Science	4 Weeks (Jan-Feb 2020)	5
NPTEL-Data Base Management System	8 Weeks (Jan-March 2020)	3
NPTEL-Rocket Propulsion	12 Weeks (Jan-April 2020)	1
NPTEL-Management of New Products and Services	4 Weeks (Jan-Feb 2020)	10
NPTEL-Principles of Human Resource Management	8 Weeks (Jan-March 2020)	1
NPTEL-Services Marketing: A Practical Approach	4 Weeks (Jan-Feb 2020)	3
NPTEL-Integrated Marketing Management	8 Weeks (Jan-March 2020)	1
NPTEL-Financial Statement Analysis and Reporting	12 Weeks (Jan-April 2020)	3
NPTEL-The Joy of Computing Using Python	12 Weeks (Jan-April 2020)	2
NPTEL-Product Designing & Manufacturing	12 Weeks (Jan-April 2020)	1
NPTEL-Google Cloud Computing Foundation Course	8 Weeks (Feb-April 2020)	1
IBM-COURSERA- IBM Data Science	(8 Courses)27 April 2020	1
Udemy Learn Python Programming	50 Hours (29 March 2020)	1

Students Internship /Training

Department	Number of Internships
------------	-----------------------

Computer Science and Engineering	27
Electrical Engineering	69
Electronics and Telecommunication Engineering	47
Information Technology	22
Mechanical Engineering	21

Grants Received

Short Term Training Program Under AQIS on Machine Learning and Its Applications in Data Analytics	Dr. N. M. Kandoi	Computer Science and Engineering	3.61	AICTE New Delhi
Faculty Development Programme on Robotics and Artificial Intelligence	Dr. P. R. Wankhede	Electronics & Telecommunication Engineering	0.8158	IITDM Jabalpur

Industry -Led programs

Name of the workshop/ seminar/ conference	Number of Participants
Webinar on "Basic Electronics for Industrial Application " by Mr. Sanjay A. Chaudhari , Director, Electronics Study Centre, Nashik (M.S)	68
Webinar on “ Basics of Earth Testing ” by Anant Waghchoure, Sales Manager, Megger Group Limited, Nashik (MS)	190
Webinar on “ Electricity : A Regulated Business ” by Mr.Tushar Dhande , Senior Manager, Tata Power Mumbai (M.S.)	189
webinar on Electrical Switchgear and its Applications Resource Person: Mr. Shivanand D.V. CEO, dbson Universal Power Controls, Tumkur	152
webinar on Numerical Relays and PMU Resource Person: Mr.Pradeep Chawande, Ex Senior Vice President Adani Electricity, Power System consultant, Mumbai (MS)	72
Webinar on Instrument Transformer Now and Next Generation Resource Person: Mr. Parfulla P.Phirke, CEO, Skipper Industries MIDC, Sinnar Nashik	73
Webinar on “Introduction to LabVIEW” Resource Person: Mr.Vasanth Kumar V Assistant Manager, VI Solutions, Bangalore, India	191
Webinar on “Entrepreneurship Development” Resource Person: Dr. Prashant Kadu Principal, Abha Gaikwad Patil College of Engineering, Nagpur	189
Webinar on “Energy Audit Case Study” Resource Person: Mr.Shantanu Deshmukh Senior Energy Analyst, Gratitude Synergy LLP, Pune, India	190
Future Scope in Robotics, Autonomous Cars and Industry 4.0	189
AICTE Sponsored One-Week Online Short Term Training Program (STTP) on “Software Utility for Teaching and Research in Electrical Engineering (SUTREE-2020) (Phase - I)	53
AICTE Sponsored One-Week Online Short Term Training Program (STTP) on “Software Utility for Teaching and Research in Electrical Engineering (SUTREE-2020)” (Phase - II)	43
AICTE Sponsored One-Week Online Short Term Training Program (STTP) on “Software Utility for Teaching and Research in Electrical Engineering (SUTREE-2020) (Phase - III)	46
AICTE Sponsored "Machine Learning and it's Application in Data Analytics "	42

International webinar on "Wireless Communication (6 G) and Future of IoT "	1042
Webinar on "How to read and write research paper and funding scheme" in SSGMCE,Shegaon	47
Webinar On "IPR Based Innovation and Incubation Ecosystem" by Dr. S S Khedkar Incubation Incharge ,Wanadongari Higana, YCCE Nagpur.(online mode)	69
Seminar on the Welding – Future Job Opportunities Mr. Milind Gadre ,Ex.General manager ,ADOR welding ,Pune (online mode)	81
Seminar on Choices for Start-Up Organization Choices for Start-Up & Business Organization by Mr. Ram Thakkar ,Company Secretary & Insolvency Professional Pune.	75
webinar on Technical Problems & Respective Technology Solutions by Mr. Vijay Honkalaskar,Director – Sulok Chetna Pratisthan.pune	75
workshop on the Kinematic Simulation in CAD by Prof. C.V. Patil,Asst. professor SSGMCE Shegaon.	3
Challenges for Fresh Graduates & Possible Solutions by Mr. Sachin Badukale (Director – Operations for Bekart ,Bekart ,USA	55
Skill-sets Required for Industry, Mr. Sandip Tompe ,Deputy Gen. Manager, BOSCH Ltd. Nashik.	85
Seminar on COVID 19- India and future by Devesh Kumar Sharma ,Senior Vice President ,Credit Suisse ,Geneva,Switzerland	47
Winning skills to succeed in corporate world by D Chandra Mohan Swamy, National Head Operations, Wardwiz india solutions Pvt Ltd Pune	49
Leadership Work Life Balance, by Dr Krishna Kant Dave, Dean Academics Pacific University, Udaipur	46

Research Publication

Title of paper	Name of the Faculty	Department	Name of the Journal
A Deep Learning based Web Security Mechanism for Detection of Web Application Attacks and Phishing URL	Dr.N.M.Kandoi	Computer Science and Engineering	International Journal of Emerging Technologies and Innovative Research(JETIR)Volume 6 Issue 6
Network Attack Detection System Based on Hybrid Deep Learning Technique in Cyber Security Application	Dr.N.M.Kandoi	Computer Science and Engineering	International Journal of Emerging Technologies and Innovative Research(JETIR)Volume 6 Issue 4
A survey on MRI brain Cancer Classification Technique	Dr.D.R.Dhotre	Computer Science and Engineering	Journal of Emerging Technologies and Innovative Research volume 6 Issue 6,June2019
Prediction of gainer & looser of stocks using machine learning Technique	Prof. P.K.Bharme	Computer Science and Engineering	International Journal of Research in Electronics and Computer Engineering IJRECE Vol. 7 Issue 2 APR.-JUNE 2019.
Extracting Knowledge in Large Synthetic Datasets Using Educational Data Mining and Machine Learning Models	Prof. J. M. Patil	Computer Science and Engineering	in Springer: Soft Computing for Intelligent Systems Proceedings of ICSCIS 2020 ISBN
HPSOSSA: Enhancement of Dynamic Stability by Optimal Placement of UPFC	Dr. S.R.Paraskar	Electrical Engineering	Journal of Computational Mechanics, Power System and Control Resbee Publishers, Vol.2 No.2 2019
Automated e-billing and power control system through power line communication	D.L. Bhombe & Dr. D.D. Nawgaje	Electronics and Telecommunication Engineering	Global Journal Of Engineering Science And Researches
Explore the Effect of Om Mantra Meditation on Brain with Wavelet Analysis	BhavnaHarne	Electronics and Telecommunication Engineering	WSEAS TRANSACTIONS on SIGNAL PROCESSING
Design of Vehicle Protection and Tracking System Using Face Recognition	Dr. S. B. Patil, P. R. Wankhede	Electronics and Telecommunication Engineering	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)
Design of Anti-Theft and Tracking System For Vehicle Protection By Biometric Authentication	Dr. S. B. Patil, P. R. Wankhede	Electronics and Telecommunication Engineering	International Journal of Advance Research in Engineering, Science & Technology (IJARET)
Automated Micro-aneurysms Detection	PravinWankhede and KamleshKhanchandani	Electronics and Telecommunication Engineering	Biomedical and Pharmacology Journal, Vol 13, Issue 1, Scopus

using Pixel Intensity Rank Transform			
Feature Extraction in Retinal Images using Automated Methods	PravinWankhede and KamleshKhanchandani,	Electronics and Telecommunication Engineering	International Journal of Scientific & Technology, Vol 9, Issue 3 Scopus
200W Ku band GaN HEMT Power Amplifier for Satellite Communication	Vivek V. Ratnaparkhi	Electronics and Telecommunication Engineering	International Journal of Scientific & Technology Research Scopus Vol. 08
Review of GaN HEMT High Power Amplifiers for Microwave Applications	Vivek V. Ratnaparkhi	Electronics and Telecommunication Engineering	International Journal of Advanced Science and Technology Scopus
A novel hybrid atlas-free hierarchical graph-based segmentation of newborn brain MRI using wavelet filter banks	KamleshKhanchandani	Electronics and Telecommunication Engineering	INTERNATIONAL JOURNAL OF NEUROSCIENCE
Chatbot For Ssgmce Website	Jigar Wakhariya, Prakhar Gangrade, Pushkar Jaodand, Ashish Bhagwat, Amitkumar Manekar	Information Technology	International Journal of Advanced Innovative technology in Engineering (IJAITE), Vol. 5, Issue 3
A Comparative Analysis Of Load Balancing Algorithms With Cloudsim	Bhushan Lande, Toukir Dosani, Dhiraj Kharode, Jagruti Kalambe, Mohit Agrawal, Prof. Priti Kale	Information Technology	International Journal of Research in Computer & Information Technology (IJRCIT), Vol. 5, Issue 2
Creation Of Dashborad For Financial Accounting In SAP	Tanashri Gothe, Shital Hanwate, Sahil Lunawat, Prof. P. V. Kale , Prof. T. P. Marode	Information Technology	International Journal of Advanced Innovative Technology in Engineering (IJAITE), Vol. 5, Issue 3
Study On System Application Product	Prof. Aniket Shahade	Information Technology	International Journal of Research in Computer & Information Technology (IJRCIT), Vol. 5, Issue 2
A Comparative Study on Web Framework Technology	Prof. Aniket Shahade	Information Technology	International Journal of Research in Computer & Information Technology (IJRCIT), Vol. 5, Issue 2
Automobile Billing and Management System	Chandrakant Mahure, Gaurav Ghogale, Kunal Petkar, Vivek Kaware, Prof. Faizan Khandwani	Information Technology	International Journal of Research in Computer & Information Technology (IJRCIT), Vol. 5, Issue 2
Design And Implementation of Complete Business Model	Rushikesh Bangar, Jayesh Bagani, Pratik Fuke, Mayank Mal, Faizan Khandwani	Information Technology	International Journal of Advanced Innovative Technology in Engineering (IJAITE), Vol. 5, Issue 3
Android Application with Platform Based on Voice Recognition for Competitive Exam	Sagar Agrawal, Mandar Agrawal, Sagar Padiya	Information Technology	International Journal of Advanced Research in Science & Technology (IJARST), Volume 5, Issue 5

Machine Learning Approach to Generate Artistic Captions by Using Neural Network for Visually Impaired People	Manali Modi, Aafrin Deshmukh, Vidya Karmargulwar, Sakshi Deshmukh, Sagar Padiya	Information Technology	International Journal of Advanced Innovative Technology in Engineering (IJAITE), Vol. 5, Issue 3
KCV-A Modern Approach Towards Betterment of Villagers	Varsha Sureka, Yashaswi Patki, Vrushali Kale, Viashnavi Chidrawar, Prof. Sumit Muddalkar	Information Technology	International Journal of Research in Computer & Information Technology (IJRCIT), Vol. 5, Issue 2
Online E-Commerce Businesses Related to Food and Product Services	Sakshi Bobade, Madhura Kannadkar, Nilamani Palaspagar, Abhishek Gawali, Prof. Sumit Muddalkar	Information Technology	International Journal of Advanced Innovative Technology in Engineering (IJAITE), Vol. 5, Issue 3
Dashboard For Materials Management In SAP.	Pratik Thorat, Ashutosh Bathe, Manal Junare, Shashank Gadam, Tejrao Marode, Pallavi Bute	Information Technology	International Research Journal of Engineering and Technology (IRJET), Vol. 7, Issue 5
Real Time Bus Tracking System Based on GPS Using Android Application	Subhrut Taori, Rishikesh Kadam, Shyam Waghmare, Om Kshirsagar, Prof. Pritam Gohatre	Information Technology	International Journal of Research in Computer & Information Technology (IJRCIT), Vol. 5, Issue 2
Real Time Bus Tracking System Using Smartphone	Janhavi Ambolkar, Mrunal Arudkar, Mandar Ingle, Prof. Pritam Gohatre	Information Technology	International Journal of Research in Computer & Information Technology (IJRCIT), Vol. 5, Issue 2
Qualitative And Quantitative Analysis Of Friction Stir Welding Of 6111-T4 Alloy Joint With Preheating	Prof. Nitin B Borkar	Mechanical Engineering	International Journal of Mechanical and production engineering research and development (IJMPERD)
Design and development of low-cost orange sorter	Prof P.T.Patokar	Mechanical Engineering	International journal on Scientific Research and Development IJSRD
Low Temperature Hydrogen Gas Sensing Performance of Fe-doped SnO ₂ Nanostructured Thin Films	Dr.A.S.Tale	Applied Sciences & Humanities	Journal of Nanoscience and Technology
Nanocrystalline Pure and Modified ZnSnO ₃ Perovskite: A Novel Material for Gas Sensing	Dr.M.S.Pande	Applied Sciences & Humanities	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)
Innovation-Driven Business Case of Hanuman Vitamin	Hari Mohan Jha Bidyarthi, Satya Mohan Mishra, Mayur Anilrao Dande, Pavan Mahadeo Kuchar and Ashish Kumar Srivastava	MBA	Journal of Business Administration Research

Extension Activities

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme
Tobaco Free Abhiyan	NSS	NSS
Tree Plantation Drive	NSS	NSS
Clealiness Drive	NSS	NSS
Blood Donation Camp	NSS	NSS
Shramdan at Gram	NSS (Shramsanskar Shibir)	NSS (Shramsanskar Shibir)
Computer Literacy Abhiyan	NSS (Shramsanskar Shibir)	NSS (Shramsanskar Shibir)
Gram Cleanliness Drive	NSS (Shramsanskar Shibir)	NSS (Shramsanskar Shibir)
Waste Water Management	NSS and Unnat Bharat Abhiyan	NSS and Unnat Bharat Abhiyan
Water Conservation	NSS and Unnat Bharat Abhiyan	NSS and Unnat Bharat Abhiyan
Azola Project	NSS (Shramsanskar Shibir)	NSS (Shramsanskar Shibir)
Zero Waste Management	NSS (Shramsanskar Shibir)	NSS (Shramsanskar Shibir)
Health Checkup Camp	NSS (Shramsanskar Shibir)	NSS (Shramsanskar Shibir)
Tree Plantataion and Rashta Suraksha Abhiyan	NSS (Shramsanskar Shibir)	NSS (Shramsanskar Shibir)
Solar Energy and its Benefits	NSS (Shramsanskar Shibir)	NSS (Shramsanskar Shibir)
Pashuchikitsa Shibir	NSS (Shramsanskar Shibir)	NSS (Shramsanskar Shibir)
One Day Workshop On "Electronics Equipments and Their Applications"	EXTC, SSGMCE Shegaon	Community Development and Extension Services
Two days workshop on Training on Advance Technology & tools for School Students	Department of Information Technology, SSCMCE shegaon	Community Development and Extension Services
Workshop on Introduuction to Advance Welding Technology for ITI students	Mechanical Engineering Department , SSGMCE, Shegaon	Community Development and Extension Services
Celebration of World Soil Day at adopted Village takali Dharav	Unnat Bharat Abhiyaan , SSGMCE Shegaon	Unnat Bharat Abhiyan
Three days Training Program on “Fundamental of Electrical Machines” for Govt. I.T.I. Khamgaon	Electrical Engineering Department , SSGMCE Shegaon	Community Development and Extension Services
Events organization for school children	Department of Business Administration and Research	Community Based Learning
Volunteering for blood donation camp	Department of Business Administration and Research	Community Based Learning
RakshaBandhan Celebration at Matimand School	Sankalp Group SSGMCE	Extension services
International Yoga Day	SSGMCE NCC and NSS	Extension services

MoU

Pi R Square Solutions Pvt. Ltd. Pune Email:- founder@pirsquaredigital.com Contact:+91 9028398260	Guest Lecture, Internship to students & Worked as Expert (Evaluator) for Internal Hackathon
e-Zest Solutions Ltd. Pune Email: bhushan.adhe@e-zest.in Contact:-869865348	Guest lecture (Interaction with Faculty & Students
SCR Elektronik Pvt Ltd Dombivali Mumbai	Two students completed their final year Industry sponsored project in the industry, Delivered expert talk for student & discussion session with faculty members
Tata Power Skill Development Institute, Shahad Mob:9223580347	Student training/Internship in the TPSDI Training Centre Shahad, Mumbai
Cluebix Software Pvt. Ltd, Nagpur Hemant Barapatre Phone: 7588807491 Email: hemant@cluebix.com	Internship Offered to students
Renuka Technologies Private Limited, Nagpur Mr. Chetankumar Akarte, Mob: 9867748519	Sponsored Project for students
VNurt Technology Solutions Pvt. Ltd., Bengaluru Mr. Hemant Sharma, Email: hemant@vnurt.com, Mob: 9632444388	Internships Offered to students
Wadhokar Groups of Companies SM Rolling Pvt. Ltd. Pune	Syllabus Restructuring
Vinodrai Engineers Pvt. Ltd. Jalna	Industrial Visit
Kala Groups of Companies, Pune	Syllabus Restructuring
Saturday Club Global Trust , Akola	Internship and Faculty Interaction https://www.ssgmce.ac.in/uploads/mba_pdf/AN_INTERACTIVE_SESSION.pdf
Biofuels Junction Pvt Ltd Mumbai	Placement of Students and Internship to Students
BASE Education, Address: "Nandvilas", Near Chemist Bhavan, Ganesh Nagar, Jalgaon- 425001 (M.S.)	Campus Recruitment Training
S&K Associates, Address: S&K Associates, 33 Lam Road, Devlali Camp, Nashik -422401, Maharashtra	Soft Skill Development Training
Manav School of Engineering & Technology, Vyala Akola	Utilization of our lab facilities

Scholarships

Name of the scheme	Government/Non-Government	Beneficiaries	Amount
Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna(EBC)	Government	187	8461732.50
Scholarship for students of minority communities pursuing Higher and Professional courses(DTE)	Government	4	100000.00
Government of India Post-Matric Scholarship	Government	118	11935860.00
Post-Matric Tuition Fee and Examination Fee (Freeship)	Government	46	4699184.00
Post Matric Scholarship Scheme (Government of India)	Government	12	1240724.00
Tuition Fee & Exam Fee for Tribal Students (Freeship)	Government	10	1006139.00
Post Matric Scholarship to OBC Students	Government	366	16861146.50
Post Matric Scholarship to SBC Students	Government	14	1252963.00
Post Matric Scholarship to VJNT Students	Government	75	6954017.00
Tuition Fees and Examination Fees to OBC Students	Government	227	10209817.00
Tuition Fees and Examination Fees to SBC Students	Government	19	1752964.00
Tuition Fees and Examination Fees to VJNT Students	Government	44	4020110.00
Central Sector Scheme of Scholarships for College and University Students	Government	36	360000.00
Merit-Cum-Means Scholarship for Professional and Technical Courses CS	Government	4	100000
Post Matric Scholarship Schemes Minorities CS	Government	3	75000
Merit Scholarship	Non-government	162	204530

Career Guidance Programs

Name of the Program	Participants
Guest Lecture on Career Guidance & Motivation organized for 2nd and 3rd-year Electrical Engg. students, by Mr. Akshay Ingle (Alumnus 2019, Assistant System Engineer, TCS Mumbai) on 01/08/2019.	125
Guest Lecture on Career Guidance & Motivation for Final year Electrical Engg. students, by Miss. Shraddha Deshmukh (Assistant System Engineer, TCS Ahmedabad) on 13/08/2019.	31
Seminar on “Opportunities for Electrical Engineers in Robotics” delivered by Mr. Chaitanya Gore (Robotics Engineer, Kuka Robotics Ltd, Pune) on 03/02/2020.	62

Students qualifying in Competitive Exams

Ankush Anil Bhople	GATE
Prajwal Ankush Sonttake	GATE
Rupesh Deepak Bali	GATE
Vaishnav Vinayak Kale	GATE
Shubham Anilrao Khandare	GATE
Sourabh Satish Kulkarni	GATE

Awards in sports and cultural Activities

Sports / Cultural	Name of the student
Sports	Jayshree Ingle
Sports	Darshan Sawarkar
Sports	Neha Chandore
Sports	Laxmi Harne
Sports	Rahul Sapkal
Sports	Tanvi Nanote
Sports	Prince Zod
	Pankaj Dhirbassi
	Ritesh Chavan
Cultural	Shatakshi Deshmukh

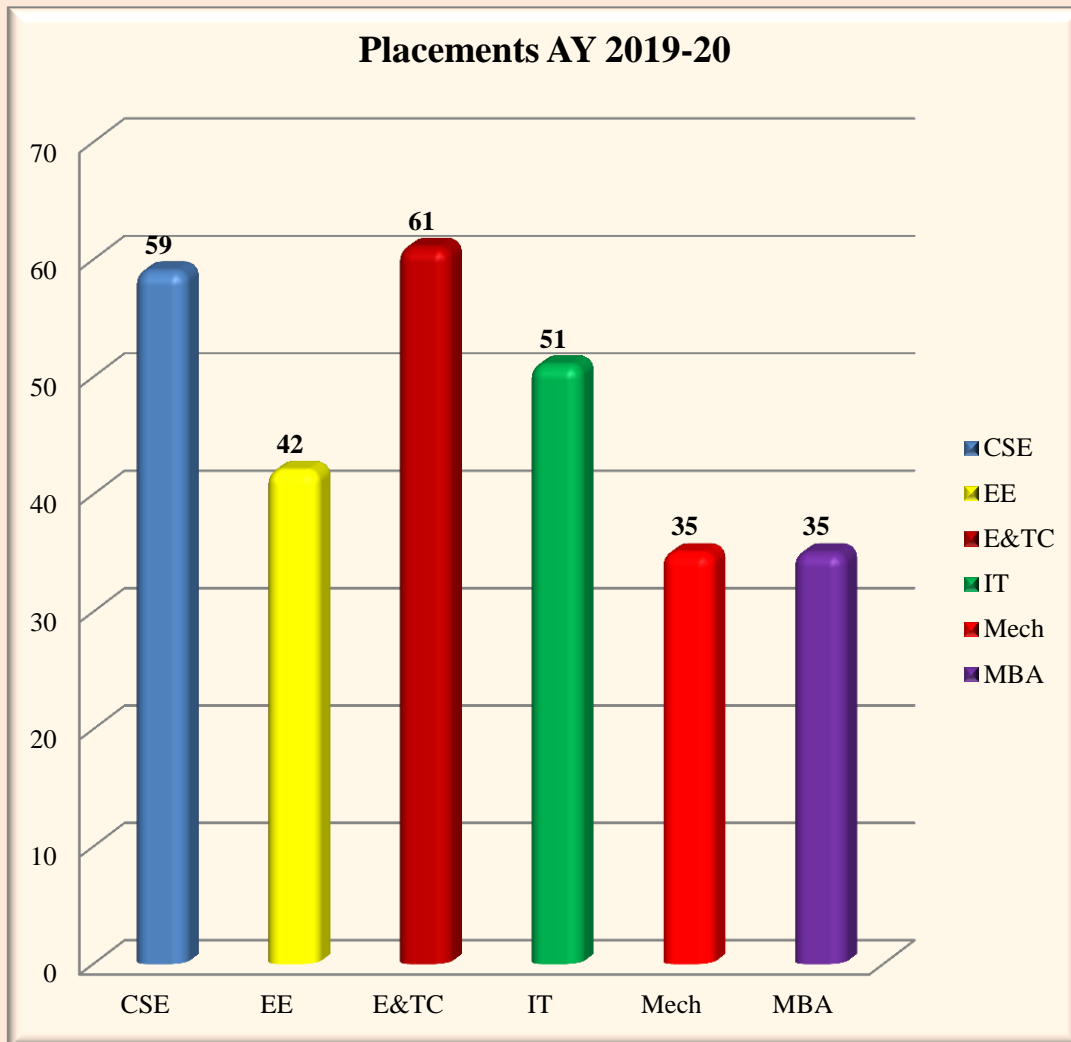
Placements AY 2019-20

Statistics of BE and MBA Students Placed in AY 2019-20

(Head Count)

AY/ Dept	CSE	EE	E&TC	IT	Mech	MBA
2019-20	59	42	61	51	35	35

Graphical Representation of Head Count.





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SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON

Annual Report of Examination
Academic Year 2019-20

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	73	73	100
2	110135610	B.E. Electrical Engineering (Electronics & Power)	62	62	100
3	110137210	B.E. Electronics and Telecommunication Engineering	138	138	100
4	11012461	B.E. Information Technology	65	65	100
5	110161210	B.E Mechanical Engineering	74	74	100
6	110124510	M.E. Computer Engineering	10	1	10
7	110129210	M.E. (Electrical Power System)	7	4	57
8	110134310	M.E. Digital Electronics	2	2	100
9	110190710	M.E. (Advance Manufacturing and Mechanical System Design)	3	3	100
10	11010110	Master of Business Administration	57	57	100
Total Count			491	479	97.55


Controller of Examination




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



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Annual Report Highlighting the Programs undertaken by the teachers

Academic Year 2019-20

The institute has a well-planned policy aimed at encouraging faculty members to undertake refresher courses, orientation programs, and faculty development programs sponsored by the UGC and Human Resource Development.

Throughout the year 2019-20, teachers from SSGMCE actively participated in various workshops, seminars, and other academic events, contributing significantly through their intellectual prowess.

Below are the highlights of the major programs undertaken by them:

A combined total of 160 teaching and non-teaching members of the institute successfully completed various development programs. These programs encompassed both UGC-sponsored online / offline initiatives and courses offered by NPTEL.

**Dr S.B.Somani
(Principal)**



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Dr. N. M. Kandoi	1.Emerging Trends in Industry 4.0"
	2.Python 3.4.3
	3.Python 3.4.3
Prof.V.S.Mahalle	1.Multi Criteria Decision Making
	2.Research Methodology
	3.Data Science
	4.Machine Learning and its Application in Data Analytics-Phase II
Prof.P.K.Bharne	1.Data Science
Prof.K.P.Sable	1.Evolution Of Internet Of Things 4.0
	2.Research Methodology
	3.Data Science
Prof.J.M.Patil	1.R- for Beginners
	2.Research Methodology and Tools
	3.Basic Optimization Technology Workshop
	4.Python 3.4.3
Prof.A.K.Shahade	1.Internet of Things(IoT)
	2.Block chain
	3.Augmented Reality (AR)/ Virtual Reality (VR)"
	4.Linux
	5.PHP and MySQL
Prof.P.V.Deshmukh	1.Linux
	2.Introduction To Forensic Science And Digital And Cyber Forensics
	3.Data Sciences
	4.Python 3.4.3
Prof.V.D.Rewaskar	1.Recent Trends In Technology & Digital Education
	2.Linux
Prof.Lopamudra Samal	1.Research Oriented Project Work
	2.Innovations to academicians
	3.Research Trends in VLSI Design
	4.8051 and its Applications
Prof.M.G.Ingle	1.Data Science
	2.Evolution Of Internet Of Things 4.0
Prof.T.M.Untawale	1.Renewable Energy Sources: A Way Ahead
	2.Python 3.4.3
Dr. S.R.Paraskar	Online Faculty development program on "LaTex " Department of Civil Engineering, RMD Sinhgad School of Engineering, Warje in association with Spoken Tutorial Project, IIT Bombay, Funded by National Mission on Education through ICT, MHRD, Govt. of India.
Dr. R. S. Pote	Three days workshop on "Research Methodology Workshop" REST Society for Research International ,Tamilnadu



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

Prof. U A.Jawadekar	One week online Faculty Development Programme on "Renewable Energy Sources A way Ahead" Cummins COE for women, Nagpur
Dr. Mrs. A U Jawadekar	One week online FDP on "Artificial Intelligence " Nehru National Institute of Technology Allahabad
Dr. S S Jadhao	One Week Online Faculty Development Program on " <i>Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020)</i> "
Mr. R Z Fulare	Two-week on-line Faculty Development Program on "Research Opportunities in Electrical Engineering " under Technical Education Quality Improvement Program (TEQIP-III) Department of Electrical Engineering ,
Mr. P R Bharambe	TwoWeeks Faculty Development Programme on "MANAGING ONLINE CLASSES and CO-CREATING MOOCS". Organised by organised by Ramanujan College , University of delhi & sponsored by MHRD Govt of India
Mr. R S Kankale	One-week Online FDP on "Latex" – Spoken Tutorial Project, IIT Bombay
Mr. R S Kankale	Two-week Online FDP on "Research Opportunities in Electrical Engineering"
Mr M R Chavan	FDP on "Research Opportunities in Electrical Engineering and its Applications"
Mr. R K Mankar	One week FDP on" Neural Network and CNN"
Mr. G N Bonde	Participated in Online Faculty development program on "LaTex " RMD Sinhgad School of Engineering, Warje in association with Spoken Tutorial Project, IIT Bombay, Funded by National Mission on Education through ICT, MHRD, Govt. of India.
Mr. G N Bonde	Two-week on-line Faculty Development Program on "Research Opportunities in Electrical Engineering "
Mr. A K Damral	Two-week on-line Faculty Development Program on "Research Opportunities in Electrical Engineering "
Mr.. V S Karale	Two-week Online FDP on "Managing Online Classes and Co-Creating MOOCS" organised by Ramanujan College , University of delhi & sponsored by MHRD Govt of India
Mr. B S Rakhonde	Four week MSBTE approved FDP on "Tools For Online Teaching Learning Process"
Mr. P R Dhabe	One week Online Faculty Development Program on "Computational Tools & Techniques: MATLAB, ANSYS"
K.B.Khanchandani	A Crash Course in Data Science



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V.N. Bhonge	Advance Power Converters for Industrial Applications
R.S.Dhekekar	Advance Power Converters for Industrial Applications
S.P. Badar	Awareness of Product Development
S.G.Nemane	Digital Forensics and Security Research
A.N. Dolas	Electronic System Design , Modeling & Simulation
P.R. Wankhede	Electronic System Design , Modeling & Simulation
S.P. Badar	Electronic System Design , Modeling & Simulation
V.K.Bhangdiya	Evolution of Internet of Things for Industry 4.0
V.M.Umale	FDP on "Robotics & AI" by Ministry of Electronics and Information Technology(Meity), GOI
S.P. Badar	Hardware modeling using Verilog
D.L.Bhombe	International symposium on Onlinemodes of Teaching and Learning-Global Perspective
V.N. Bhonge	Internet of Things (IoT) for Emerging Applications
K.B.Khanchandani	Machine Learning Foundations: A Case Study Approach,
R.S.Dhekekar	Modern trends in electrical drives
A.N. Dolas	MOODLE: Learning Management System (LMS)
P.R. Wankhede	National level One Week Online Faculty Development Program on "Arduino"
G.S.Gawande	Neural Network and CNN
R.S.Dhekekar	New Challenges & Issue of Indian Electricity Market for UpcomingDecade-2030
K.M.Thanvi	one week online FDP on "Python 3.4.3"
K.M.Thanvi	one week STTP on advanced Research Methodolgy
D.L.Bhombe	Online AICTE Recognized Faculty Development Programme on Academic Leadership Enhancement in Technical Institutions
D.L.Bhombe	Online AICTE Recognized Faculty Development Programme on Image and Embedded Processing
D.L.Bhombe	Online AICTE Recognized Faculty Development Programme on NBA Accreditation of Engineering Programs
D.L.Bhombe	Online AICTE Recognized Faculty Development Programme onCurriculum Implementation
D.L.Bhombe	Online AICTE Recognized FacultyDevelopment Programme on Neural Network and CNN
V.M.Umale	Online line course on "Examination Reforms"
K.M.Thanvi	online research methodology workshop
S.P. Badar	online research methodology workshop
S.G.Nemane	online research methodology workshop
R.S.Dhekekar	OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE



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P.R.Wankhede	Product Development
V.V. Ratnaparkhi	Product Development
V.K.Bhangdiya	Product Development
K.B.Khanchandani	Programming for Everybody (Getting Started with Python) University of Michigan
G.S.Gawande	Promoting Quality Culture in Technical Institutions
K.B.Khanchandani	Python Data Structures
D.D.Nawgaje	Research Funding Projects and IPR
S.P. Badar	Research Trends in VLSI Design
V.N. Bhonge	Robotics & AI
D.P.Tulaskar	Robotics & AI
S.G.Nemane	Robotics & AI
Mr.M.B. Dhamande	Linux
Mr.M.B. Dhamande	Advanced Tools and Concepts for Lab Development and Maintenance
Mr.M.B. Dhamande	Online Quiz on General Aptitude and Basic Electronics
Mr.M.B. Dhamande	NBA Accreditation Awareness Quiz
Mrs.S.S.Gachke	Best practices in Laboratory Safety Management
Prof.A.S.Manekar	One week faculty development program on "Evolution of IOT for industry 4.0" Jointly organised by SSGMCE
	Faculty development program on data science conducted by FDC PMMMNMTT hosted by SSGMCE Shegaon
Prof.P.V.Kale	Four days Online Course on Examination Reforms conducted by AICTE
	Faculty development program on "Machine learning and data analytics using python" at SSGMCE Shegaon
	Online course on "Java in depth: Become a complete java engineer" by Udemy
	Faculty development program on data science conducted by FDC PMMMNMTT hosted by SSGMCE Shegaon
Prof.A.K.Shahade	Faculty development program on data science conducted by FDC PMMMNMTT hosted by SSGMCE Shegaon
	Online FDP on "Internet of Things" by AICTE ,ATAL at Dr. Babasaheb Ambedkar Technological University, Lonere.
	Online FDP on "Augmented Reality (AR)/ Virtual Reality (VR)" by AICTE,ATAL at Indian Institute of Technology, Patna
	One week FDP on "Moodle Learning Management System" by Dept of CSE SVERI's COE Pandharpur and Spoken Tutorial Project, IIT Bombay



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	One Week Online FDP on "Linux" organized by Dept of CSE PCCOE, Nigdi, Pune, in association with IIT Bombay
	Online FDP on "Block chain" by AICTE ATAL
Prof.A.G.Sharma	Faculty development program on "Machine learning and AI using python" at SSGMCE Shegaon
	Faculty development program on data science conducted by FDC PMMMNMTT hosted by SSGMCE Shegaon
Prof.F.I.Khandwani	Faculty development program on data science conducted by FDC PMMMNMTT hosted by SSGMCE Shegaon
	One week online FDP on "Python 3.4.3" organised by PICT Pune in association with IIT Bombay
Prof.S.D.Padia	Faculty development program on data science conducted by FDC PMMMNMTT hosted by SSGMCE Shegaon
	One week online FDP on "Research methodology and Tools" organised by Sanddip Foundation Nashik
Prof.P.P.Bute	One week FDP on "Arduino" organised by Bajaj college of science Wardha Spoken tutorial project IIT Bombay
	One week STTP on "Machine Learning:Mathematical Modelling and Implementation" Organised by PCOE Nagpur
Prof.S.S.Muddalkar	Faculty development program on data science conducted by FDC PMMMNMTT hosted by SSGMCE Shegaon
Prof.K.J.Sapkal	One week STTP on "Machine Learning:Mathematical Modelling and Implementation" Organised by PCOE Nagpur
Dr. J.G Khan	Faculty Development Program on Robotics and AI" organized by Electronics and ICT academics
	Faculty Development Program on "Introduction of Accreditation Mechanism & NBA Approach",
Prof A.S.Bharule	"Faculty Development Program on Linux Operating System" organized by PVGCOE Pune
Prof N.B.Borkar	Faculty Development Program on "Augmented Reality/Virtual Reality" organized by SVNIT Surat
Prof. S. Q. Syed	Faculty Development Program on Current trends in industry" organized by Dr D.Y.Patil institute of engineering, Management and research Akurdi, Pune.
Prof. M.B.Bhambere	Short Term Course on Advanced Research Methodology organized by RSRI



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Prof A.S.Bharule	Short Term Course on "Latest trends in Mechanical Engineering and Technology" Organized by PBCOE Nagpur
Prof. P. T. Patokar	Short Term Course on "Latest trends in Mechanical Engineering and Technology" Organized by PBCOE Nagpur
Prof A.S.Tale	Online FDP on Learning Pedagogy and effective use of case methodology conducted by ASM group of Institute
Anil Shamrao Alane	NPTEL-Technologies For Clean And Renewable Energy Production
Swapnil Panjabarao Badar	NPTEL-Hardware Modeling Using Verilog - Online
Sachin Vasant Bhagat	NPTEL-Technical English For Engineers
Mrs.Harshali Santosh Patil	NPTEL-Body Language: Key To Professional Success
Mrs.Harshali Santosh Patil	NPTEL-Interpersonal Skills
Dr. Rajesh M. Kharate	NPTEL-Technologies For Clean And Renewable Energy Production
Dr. Javed Khan	NPTEL-Tale 2: Course Design And Instruction Of Engineering Course
Dr Javed G Khan	NPTEL-Accreditation And Outcome Based Learning - Online
Vishal Vinayakrao Patil	NPTEL-Corporate Social Responsibility
Kunal Dilip Gadgil	NPTEL-Accreditation And Outcome Based Learning - Online
Syed Sameer	NPTEL-Concepts Of Thermodynamics - Online
Dr Laxmikant B Deshmukh	NPTEL-Production And Operation Management
Prof.Harshali Santosh Patil	NPTEL-Effective Writing
Prof.Harshali Santosh Patil	NPTEL-Employment Communication A Lab Based Course
Dr. Javed G Khan	NPTEL-Effective Engineering Teaching In Practice
Dr. Javed G Khan	NPTEL-NBA Accreditation And Teaching - Learning In Engineering




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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)**

IQAC

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

IQAC Meeting summary

Academic Year	Meeting date
2019-20	120-06-2019
	13-12-2019