



Annual Report 2020-21





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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2020-21



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Admission Status

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	1
B.E. First Year Electrical Engineering (Electronics and Power)	110135610	60	55
	110135611T(TFWS)	3	2
	110135610(EWS)	6	3
	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	46
	110161210T (TFWS)	3	3
	110161210(EWS)	6	2
	110161210(PMSSS / NEUT)	1	0
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	4
	110124510 (EWS)	2	0
M.E. Advance Mfg & Mechanical System Design	110190710	18	3
	110190710(EWS)	2	0
Management (MBA)	110110111	60	60
	110110111T (TFWS)	3	2
	110110111(EWS)	6	6

Certificate/ Value Added courses

Name of Add on /Certificate programs offered	Duration	No of Students completing the course
Pre-Placement Training on C and C++	30 Hours	63
Aptitude Preparatory Sessions BE 3rd year Students	84 Hours	473
HTML Workshop (MOOCS)	30 Hours	1
Full Stack web development	30 Hours	1
Web Development	30 Hours	2
ML with AI Using Python	30 Hours	1
NPTEL-Introduction to Embedded system design	12 Weeks (Sept-Dec-2020)	1
NPTEL-Space Flight Mechanics	12 Weeks (Sept-Dec-2020)	1
NPTEL- Marketing Research and Analysis	8 Weeks (Sept-Nov-2020)	1
NPTEL-Organizational Behaviour	12 Weeks (Sept-Dec-2020)	1
NPTEL-Data Science For Engineers	8 Weeks (Jan-March-2021)	1
NPTEL-Programming in Java	12Weeks (Jan-April-2021)	1
NPTEL-Python for Data Science	4 Weeks (Jan-Feb-2021)	1
NPTEL-Introduction to Embedded system design	12Weeks (Jan-April-2021)	1
NPTEL-Problem Solving Through Programming in C	12Weeks (Jan-April-2021)	1
NPTEL-Database Management System	8 Weeks (Jan-March-2021)	1
NPTEL-Fundamental Of Welding Science And Technology	8 Weeks (Jan-March-2021)	2
NPTEL-Services Marketing: A Practical Approach	4 Weeks (Jan-Feb-2021)	1
NPTEL-Talent Acquisition and Management	12Weeks (Jan-April-2021)	1
NPTEL-Technology Forecasting for Strategic Decision Marketing -An Introduction	4 Weeks (Jan-Feb-2021)	1

Students Internship /Training

Department	No of Students Completing Internships
Computer Science and Engineering	07
Electrical Engineering (Electronics and Power)	17
Electronics and Telecommunication Engineering	66
Information Technology	15



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SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON

Annual Report of Examination
Academic Year 2020-21

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	69	69	100
2	110135610	B.E. Electrical Engineering (Electronics & Power)	81	81	100
3	110137210	B.E. Electronics and Telecommunication Engineering	125	125	100
4	11012461	B.E. Information Technology	86	86	100
5	110161210	B.E. Mechanical Engineering	67	67	100
6	110124510	M.E. Computer Engineering	7	5	71.42
7	110129210	M.E. (Electrical Power System)	7	7	100
8	110134310	M.E. Digital Electronics	8	7	87.5
9	110190710	M.E. (Advance Manufacturing and Mechanical System Design)	6	5	83.33
10	11010110	Master of Business Administration	71	69	97.18
Total Count			527	521	98.86


Controller of Examination




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

Grants Received from government and Non-government Agencies

Name of the research project/ endowment	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned (Lakhs)	Name of the Funding Agency
Short Term Training Program on Software Utility for Teaching & Research in Electrical Engineering	Dr. S.R.Paraskar	Electrical Engineering	2020-21	2.85	AICTE New Delhi
ATAL FDP “IoT for Agriculture Applications”	Dr. P. R. Wankhede	Electronics & Telecommunication Engineering	2020-21	0.93	AICTE New Delhi
Modernization of internal combustion engine lab and automobile lab	Dr. S. P. Trikal / Dr. J. G. Khan	Mechanical Engineering	2020-21	14.89	AICTE New Delhi
Design and Development of Efficient Online Exam Management System	Sanket Vakil Shrutika Thotange Rashmi Dholwade Gitesh Deshmukh	Information Technology	2020-21	0.08	Reinventors Educational Center, Achalpur, Dist. Amravati
Website for K. B. Plastotech	Tushar Rathod Abhishek Pakhidde Sarbhak Gosatwar Kunal Wate	Information Technology	2020-21	0.06	K. B. Plastotech, Nagpur
Performance Evaluation of Earthen Tube Cooler	Prof. Kunal D. Gadgil	Mechanical Engineering	2020-21	0.15	The Institution of Engineers (INDIA)

Industry-led Workshops and Seminars

Name of the workshop/ seminar/ conference	No of participant	Date	Date Fro
Webinar on "Basic Electronics for Industrial Application" by Mr. Sanjay A. Chaudhari , Director, Electronics Study Centre, Nashik (M.S)	68	09-06-2020 to 09-06-2020	
Webinar on “Basics of Earth Testing” by Anant Waghchoure, Sales Manager, Megger Group Limited, Nashik (MS)	190	11-07-2020 to 11-07-2020	
Webinar on “ Electricity : A Regulated Business ” by Mr.Tushar Dhande , Senior Manager, Tata Power Mumbai (M.S.)	189	25-06-2020 to 25-06-2020	
webinar on Electrical Switchgear and its Applications Resource Person: Mr. Shivanand D.V. CEO, dbson Universal Power Controls, Tumkur	152	18-07-2020 to 18-07-2020	
webinar on Numerical Relays and PMU Resource Person: Mr.Pradeep Chawande, Ex Senior Vice President Adani Electricity, Power System consultant, Mumbai (MS)	72	05-09-2020 to 05-09-2020	
Webinar on Instrument Transformer Now and Next Generation Resource Person: Mr. Parfulla P.Phirke, CEO, Skipper Industries MIDC, Sinnar Nashik	73	08-09-2020 to 08-09-2020	
Webinar on “Introduction to LabVIEW” Resource Person: Mr.Vasanth Kumar V Assistant Manager, VI Solutions, Bangalore, India	191	19-01-2021 to 19-01-2021	
Webinar on “Entrepreneurship Development” Resource Person: Dr. Prashant Kadu Principal, Abha Gaikwad Patil College of Engineering, Nagpur	189	21-01-2021 to 21-01-2021	
Webinar on “Energy Audit Case Study” Resource Person: Mr.Shantanu Deshmukh Senior Energy Analyst, Gratitude Synergy LLP, Pune, India	190	22-01-2021 to 22-01-2021	
Future Scope in Robotics, Autonomous Cars and Industry 4.0	189	01-02-2021 to 01-02-2021	
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	27-10-2020 to 01-11-2020	
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	23-11-2020 to 28-11-2020	
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	07-12-2020 to 12-12-2020	
AICTE Sponsored "Machine Learning and it's Appfication In Data Analytics "	42	23-11-2020 To 28-11-2020	
International webinar on "Wireless Communication (6 G) and Future of IoT "	1042	12-08-2020 to 12-08-2020	
Webinar on "How to read and write research paper and funding scheme" in SSGMCE,Shegaon	47	06-02-2021 to 06-02-2021	
Webinar On “IPR Based Innovation and Incubation Ecosystem” by Dr. S S Khedkar Incubation Incharge ,Wanadongari Higana, YCCE Nagpur.(online mode)	69	10-10-2020 to 10-10-2020	

Seminar on the Welding – Future Job Opportunities Mr. Milind Gadre ,Ex.General manager ,ADOR welding ,Pune (online mode)	81	16-01-2021 to 16-01-2021
Seminar on Choices for Start-Up Organization Choices for Start-Up & Business Organization by Mr. Ram Thakkar ,Company Secretary & Insolvency Professional Pune.	75	23-01-2021 to 23-01-2021
webinar on Technical Problems & Respective Technology Solutions by Mr. Vijay Honkalaskar,Director – Sulok Chetna Pratisthan.pune	75	30-01-2021 to 30-01-2021
workshop on the Kinematic Simulation in CAD by Prof. C.V. Patil,Asst. professor SSGMCE Shegaon.	3	28-01-2021 to 28-01-2021
Challenges for Fresh Graduates & Possible Solutions by Mr. Sachin Badukale (Director – Operations for Bekart ,Bekart ,USA	55	06-06-2021 to 06-06-2021
Skill-sets Required for Industry, Mr. Sandip Tompe ,Deputy Gen. Manager, BOSCH Ltd. Nashik.	85	13-06-2021 to 13-06-2021
Seminar on COVID 19- India and future by Devesh Kumar Sharma, Senior Vice President, Credit Suisse, Geneva,Switzerland	47	20-06-2020 to 20-06-2020
Winning skills to succeed in corporate world by D Chandra Mohan Swamy, National Head Operations, Wardwiz india solutions Pvt Ltd Pune	49	27-06-2020 to 27-06-2020
Leadership Work Life Balance, by Dr Krishna Kant Dave, Dean Academics Pacific University, Udaipur	46	28-06-2020 to 28-06-2020

Research Publication

Title of paper	Name of the author/s	Department of the teacher	Name of journal
Implementation on Brain Tumor detection using CNN	Dr.D.R.Dhotre	Computer Science and Engineering	International Journal for Research and Development in Technology
A review on:Content Base Image retrival using Intelligence Techniques	Dr. D. R. Dhotre & Prof V.S. Mahalle	Computer Science and Engineering	International Journal of Innovative Research in Computer and Communication Engineering, Volume 8, Issue 8, August 2020.
Good physician's prediction for Healthcare planning using Big Data Analytics	Prof. C.M.Mankar	Computer Science and Engineering	Journal of Emerging Technologies and Innovative Research
The role of Predictive data Analytics in retailing	Prof. C.M.Mankar	Computer Science and Engineering	Journal of Emerging Technologies and Innovative Research
A Novel Approach To Discriminate Between Inrush And Interturn Fault Currents Of Transformer	G. N. Bonde, Dr. S.R. Paraskar, Dr. S.S. Jadhao, Dr. D. P. Kothari	Electrical Engineering	International Journal of Power and Energy Systems 41 (3) 2021,
Image Processing based Induction Motor Fault Detection using LabVIEW	Miss. Kalyani S. Digdeotulwar, Dr. A .U.Jawadekar	Electrical Engineering	International Research Journal of Engineering and Technology (IRJET)Volume: 07 Issue: 09
Comparative Analysis of Different UPQC	Dr.S.S.Jadhao Prof. V.S.Karale	Electrical Engineering	The International journal of analytical and experimental modal analysis Volume XIII, Issue I, January 2021,Page No:659-664,
Implementation of facts devices to improve power system stability	Prof. U.A.Jawadekar AnkitaR.Joshi	Electrical Engineering	International Research Journal of engineering and technology (IRJET) Vol 7, Issue 9, Sept 2020
Simulation of Unified Series Shunt Compensator for Power Quality Improvement	Dr. S.S.Jadhao K.M.Bhutada	Electrical Engineering	Journal of Control System and its Recent Development, Vol 4, Issue 1 page 1-12, 2021 (HBRP Publication)
Application of Sweep Frequency Response Analysis (SFRA) Method to Detect Transformer Fault.	Dr. A.U.Jawadekar Vishal M Pimpalkar	Electrical Engineering	Journal of Emerging Technologies and Innovative Research (JETIR) vol 8, issue 3, March 2021
Implementation of Integral Mathematical Models of Single and Multiple Power Quality Disturbances	R.S.Kankale Dr. S.R.Paraskar Dr.S.S.Jadhao	Electrical Engineering	International Advanced Research Journal in Science, Engineering and Technology (IARJSET) Volume 8, Issue 6, June 2021,
Condition Monitoring Of Three Phase Induction Motor Based on IOT	Dr. A .U.Jawadekar Prof. V.S.Karale P.M.Akotkar	Electrical Engineering	International Journal of Electrical Engineering and Ethics- Volume 3 Issue 4, August 2020
Bearing Faults Diagnosis of Induction Motor Using LabVIEW	Dr. A.U.Jawadekar SnehalTalele	Electrical Engineering	Resincap Journal of Science and Engineering Volume 4, Issue 9, September 2020

IOT Based Garbage Monitoring System Using Sensors	Dr. A.U.Jawadekar RajarshiTangade	Electrical Engineering	International Research Journal of Engineering and Technology (IRJET) Volume: 08 Issue: 06 June 2021 Page 3815-3821
Seven Level Inverter for Multistring Photovoltaic Application	Dr. A.U.Jawadekar	Electrical Engineering	International Journal of Progressive Research in Science and Engineering (IJPRSE) 2(6), 36-40 2021
Design and Simulation of DC-DC Converters for Photovoltaic System	Dr. S.R.Paraskar Shruti Pramodrao Patil	Electrical Engineering	International Journal of ProgressiveResearch in Science and Engineering (IJPRSE) Vol. 2 No. 6 page no 12-18 (2021): June
Voltage Profile Enhancement using Dynamic Voltage Restorer (DVR) Under Three Phase Balance Load	Dr. A.U.Jawadekar, Pooja Sarode	Electrical Engineering	International Research Journal of Engineering and Technology (IRJET) Volume: 07 Issue: 07 July 2020
Shunt Active Power Filter for Enhancement of Power Quality	Rahul R. Alat Dr. Saurabh S. Jadhao Vijay S. Karale Asmita Thakare	Electrical Engineering	Journal of Current Trends in Electrical Engineering Volume 6 Issue 2 Page 1-10 © MANTECH PUBLIATIONS 2021
Fast Restoration Technique for Distribution Power System with Multi-Terminal DC Links	Pallavi Satinge , U. A. Jawadekar	Electrical Engineering	International Journal of Engineering Science and Computing IJESC vol: 11, Issue: 06 June 2021
PI And PR Controller For Grid Connected Voltage Source Inverter	Mukta Rajendra Ghive Jawadekar U A	Electrical Engineering	International Journal Of Progressive Research In Science And Engineering, Vol.2, No.6, June 2021
Power Quality Improvement by Using Custom Power Device	Dr. S. S. Jadhao Prof. V.S.Karale Vinod Sonparote Dr. G.M.Dhole	Electrical Engineering	Science, Technology and Development (STD) Volume X Issue II February 2021 Page No : 458-463
A Review Paper on Human Visualization Diagnosis for Retinal Disease Using Soft Computing Techniques	D. R. Bhatkar, Dr. D. D. Nawgaje	Electronics and Telecommunicati on Engineering	International Journal of All Research Education and Scientific Methods (IJARESM)
Increased theta activity after Om mantra meditation with Fourier and wavelet transform	Bhavna P. Harne and Anil S. Hiwale	Electronics and Telecommunicati on Engineering	International Journal of Intelligent Systems Design and Computing
Deadline aware optimization in resource allocation for reducing migration cost	Manekar Amitkumar, Dr. Gera Pradeepini	Information Technology	Advances in Mathematics: Sciotic Journal (Scopus Indexed)
Credit Card Fraud Detection using Machine Learning Technique	Abhyudai A. Gore, Makarand S. Patrikar, Pratik S. Kare, Varun H. Joshi, Prof. A. K. Shahade	Information Technology	International Journal of Advanced Research in Computer and Communication Engineering, Vol. 10, Issue 6, June 2021
Design and Development of an Efficient Online Exam Management System	Sanket Vakil, Rashmi Dholwade, Gitesh Deshmukh, Shrutika Thotange, Aniket Shahade	Information Technology	International Journal of Innovative Research in Computer and Communication Engineering, Volume 9, Issue 6, June 2021

ECG Classification Using Deep Neural Networks	Sumit Singh Rajput, Shivam Makade, Shubham Potdukhe, Sumit Morkhade, Anand Sharma	Information Technology	International Journal of All Research Education and Scientific Methods (IJARESM), Volume 9, Issue 7
Implementing Optical Character Recognition on Android Operating System for Poster - Posterlink	Abhishek Kakade, Ajay Bhave, Rupam Jambhulker, Rushikesh Kaikade, Anand Sharma	Information Technology	International Journal of All Research Education and Scientific Methods (IJARESM), Volume 9, Issue 7
Use of Asynchronous Methods to Enhance Javascript Code	Siddhant Gupta, Sagar Padiya	Information Technology	International Research Journal of Engineering and Technology (IRJET), Vol. 8, Issue 6
E-Commerce Website for KB-Plastotect Company	Tushar Rathod, Sarthak Gosatwar, Abhishek Pakhidde, Kunal Wate, Prof. Pritam Gohatre	Information Technology	International Journal of Advanced Innovative Technology in Engineering (IJAITE),
Potential use of Passive Cooling Technique in Evaporative Cooler	Prof. Kunal D Gadgil	Mechanical Engineering	International Journal of Engineering Research & Technology (IJERT)
Hydrothermal Synthesis, Characterization and Gas Sensitivity of Nb ₂ O ₅	Dr.A.S.Tale	Applied Sciences & Humanities	International Journal of Innovative Science, Engineering & Technology
A Study on Awareness Of Risks And Risk Management Practices Among Contractors In Akola District	Bilal Husain,Dr. S.G.Chapke	MBA	International Journal of Research and Analytical Reviews (IJRAR)
Iron Man of Silver World – An Enquiry into Alchemy of Shri Viswakarma Silver House	Hari Mohan Jha Bidyarthi, Ashish Kumar Srivastava, Mayur Anilrao Dande, Pavan Mahadeo Kuchar and Satya Mohan Mishra	MBA	Presidency Journal of Management Thought & Research
Delighted niche driven entrepreneurial odyssey: a case study of Maharaja Masala Udyog,	H.M. Jha Bidyarthi, Mayur A. Dande, Pawan M. Kuchar, Satya Mohan Mishra and Ashish K. Shrivastava,	MBA	International Journal of Entrepreneurship and Innovation Management,

Extension and Outreach Programs

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme
My Family My Responsibility on 29/10/2020 Guest: Dr Bhagawant Tale, Medical Superintendent Officer, TPS, Paras	NSS SSGMCE Shegaon	NSS and SGBAU Amaravati
Gandagi Mukta Abhiyan (08 August to 15 August 2020)1. Swachata Kendra at Adopted Village 2. Plastic Collection and Plastic Free Abhiyan 3. Shramadan and Clealiness Drive 4. All India Penting Day and Essay Compitation 5. Tree Plantation	NSS and Adopted Village (Kherda Gosavi)	NSS, SGBAU, Amaravati
Blood Donation Camp	NSS and Saibai Mote Govt. Hospital Shegaon	NSS, SGBAU, Amaravati
National Youth Day Celebration	NSS Student	NSS team SSGMCE Shegaon
Mazi Vasundara Abhiyan (Harit Shapat)	NSS and Nagarparishad Shegaon	NSS, SGBAU, Amaravati
Covid 19 Vaccination Camp 1 on 28 th June 2021 (244 Vaccination)	NSS SSGMCE Shegaon and Gvernment Hospital Team	Mission Swasthya Abhiyan
Distribution of Mask, Sanitizer, foods such as Flour, Sugar, Pulses, Rice, salt, Edible Oil, Chilly-Turmeric Powder etc	UBA (Unnat Bharat Abhiyan)	UBA (Unnat Bharat Abhiyan)
App for ST Passesngers	SSGMCE Students	Extesion Services

MoU

Name of the Company	Activities Conducted
VI Solutions Bangalore	Engage the expert session in online STTP sponsored by AICTE on SUTREE (Phase I, Phase II & Phase III)
Cluebix Software Pvt. Ltd, Nagpur Hemant Barapatre Phone: 7588807491 Email: hemant@cluebix.com	Internships Offered to students (2020): Abhishek Kakade, Asra Gazi, Nikhilesh Khot, Rupam Jambhulkar
Renuka Technologies Private Limited, Nagpur Mr. Chetankumar Akarte, Mob: 9867748519	Sponsored Projects: Android App, Control Panel in PHP and MySQL (2019) Sponsored Project: Online Delivery Platform for Grocery Store with Flutter(2020)
VNurt Technology Solutions Pvt. Ltd., Bengaluru Mr. Hemant Sharma, Email: hemant@vnurt.com, Mob: 9632444388	Internships Offered to students (2020): Gurjeet Sahani, Anjali Sharma, Shailesh Khote
BASE Education, Address: "Nandvilas", Near Chemist Bhavan, Ganesh Nagar, Jalgaon-425001 (M.S.)	Campus Recruitment Training

Scholarships Offered -Institute and Government

Name of the scheme	Government/Non-government	Number of students benefited	Amount
Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna(EBC)	Government	234	11126606.00
Scholarship for students of minority communities pursuing Higher and Professional courses(DTE)	Government	3	75000.00
Government of India Post-Matric Scholarship	Government	135	14374767.00
Post-Matric Tuition Fee and Examination Fee (Freeship)	Government	54	5817097.00
Post Matric Scholarship Scheme (Government of India)	Government	16	1678814.00
Tuition Fee & Exam Fee for Tribal Students (Freeship)	Government	14	1481599.00
Post Matric Scholarship to OBC Students	Government	390	19096804.00
Post Matric Scholarship to SBC Students	Government	9	872992.00
Post Matric Scholarship to VJNT Students	Government	90	8659705.00
Tuition Fees and Examination Fees to OBC Students	Government	220	10447909.00
Tuition Fees and Examination Fees to SBC Students	Government	19	1790190.00
Tuition Fees and Examination Fees to VJNT Students	Government	55	5271178.00
AICTE – Pragati Scholarship Scheme for Girl Students (Technical Degree)	Government	5	250000.00
Central Sector Scheme of Scholarships for College and University Students	Government	21	210000.00
Merit-Cum-Means Scholarship for Professional and Technical Courses CS	Government	1	25000.00
Merit Scholarship	Non-government	142	180955

Career Counselling Programs

Name of the Program	No of participants
One day webinar on Benefits of GATE & Interview Preparation by Mr. Ketan Pachpande, Senior Software Engineer, Veritas Technologies, Pune on 08/08/2020.	67
Webinar on “How to Crack ESE / GATE / PSUs in First Attempt” by Mr. Ramesh Pabba, ACE Engineering Academy, Pune (M.S) on 08/05/2021.	148
A session on "Roadmap to Career" by Mr. Chaitanya Jain, Account Manager, Collabera Technology, Bangalore on 26/06/2021.	179
Webinar on “Careers in Mechatronics for Automation Industry after B.E” by Mr. Sachin Chitapure, ACE - CAD CAM Guru Pvt Ltd, Pune (M.S.) on 29/09/2020.	71
Webinar on Choosing Career & Industry Readiness Resource Person: Mr. Vijay Wankhade, SAP Technology Architect, John Deere India Pvt Ltd Pune (M.S.) on 10/10/2020.	74
Webinar on “Trends and Opportunities in Industrial Robotics & Automation for final Year Students of Electrical Engineering” by Mr. Anil Tatode, Training Officer, Department of Robotics and Cloud Technology, RTMNU, Nagpur (M.S.) on 11/11/2020.	73
Webinar on “Career Opportunities in Data Sciences” Resource Person: Dr Om Deshmukh Co-founder & CEO, TildeHat, Bangalore, India on 20/01/2021.	190
Webinar on “How to Become Job Ready in 2021” by Prof. Abhishek Barve, Academic Head, Ekeeda, India on 13/03/2021.	152

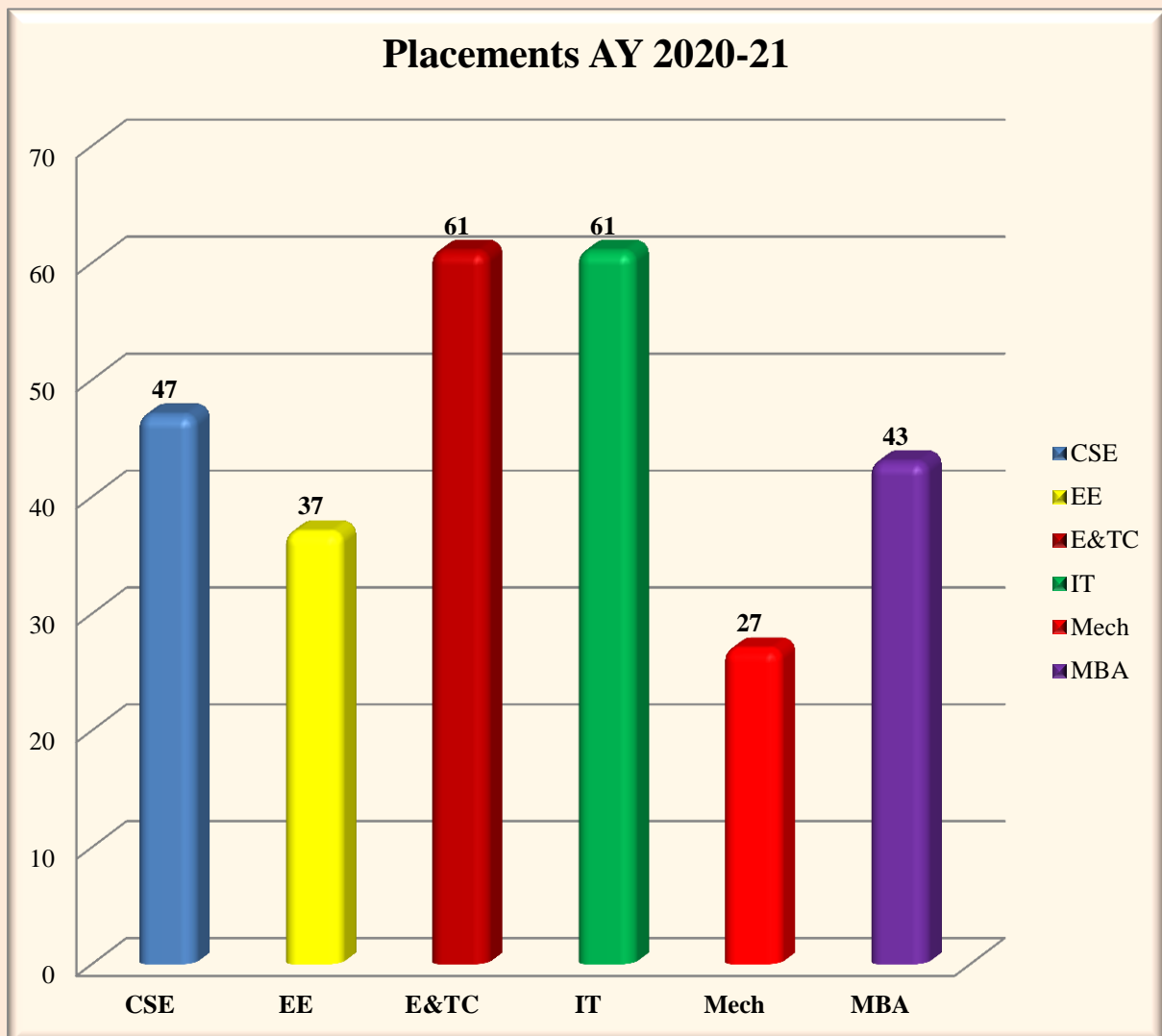
Placements AY 2020-21

Statistics of BE and MBA Students Placed in AY 2020-21

(Head Count)

AY / Dept.	CSE	EE	E&TC	IT	Mech	MBA
2020-21	47	37	61	61	27	43

Graphical Representation of Head Count.



Students qualifying in Competitive Exams

Name of the Student	Exam
Kartik Satish Gawande	GATE
Kasturi Vinayak Anjankar	GATE
Aakash Harish Gadekar	GATE
Sudhanshu Sathawne	GATE
Rahul Samudrawad	GATE
Mithilesh Sharad Joshii	GATE
Prajwal Balu Range	GATE
Swapnil bhagwan Jadhav	GATE
Shubham Gajanan Tayade	GATE
Swapnil Devidas Bhagat	GATE
Tushar Bendarkar	TOEFL
Omakar Bhalerao	CAT

Awards in sports and cultural Activities

Name of the award/ medal	Team / Individual	University / State / National / International	Sports / Cultural	Name of the student
Second Prize in Magazine Competition (Professional Stream)	Team	University (SGBAU)	Cultural	Shreyas Pole and Magazine Team

Financial Support Provided

Name of teacher	Name of conference /Workshop attended for financial support provided	Name of teacher
Mr. V. S. Karale	Diploma in Principle & Application of Digital Fabrication during Jan to June 2021 at Vigyan Aashram Pabal, Pune	100238
Mr. P.R.Bharambe	Two-week Internship on Design & Development of Dual Regulated Smart Power Supply Organised by NRIT Incubation Centre RIT Islampur & Anand Techo-Creators Satara during 25 January - 06 February 2021	1000
Mr. R.S.Kankale	Two-week Internship on Design & Development of Dual Regulated Smart Power Supply Organised by NRIT Incubation Centre RIT Islampur & Anand Techo-Creators Satara during 25 January - 06 February 2021	1000
Mr. G.N.Bonde	Two-week Internship on Design & Development of Dual Regulated Smart Power Supply Organised by NRIT Incubation Centre RIT Islampur & Anand Techo-Creators Satara during 25 January - 06 February 2021	1000
Mr. P. R. Dhabe	Two-week Internship on Design & Development of Dual Regulated Smart Power Supply Organised by NRIT Incubation Centre RIT Islampur & Anand Techo-Creators Satara during 25 January - 06 February 2021	1000
Dr. P. R. Wankhede	IEEE Membership	4015
K. M. Thanvi	IEEE Membership	990
V. S. Ingole	Sabbatical Training at Vigyan Asharam Pabal Pune	87627
Prof.N.G More	Sabbatical Training at Vigyan Asharam Pabal Pune	87627
Dr.S.B.Somani	Society for Automotive Engineers (SAE)	1298
Dr.S.P.Trikal	Society for Automotive Engineers (SAE)	1298
Prof.M.B.Bhambere	Society for Automotive Engineers (SAE)	1298
Principal Dr. S.B Somani	Confederation of Indian Industry (CII)	17700
Dr.A.S.Tale	Diploma in Principle & Application of Digital Fabrication during Jan to June 2021 at Vigyan Aashram Pabal, Pune	1,78,000
Dr. P. M. Kuchar	Diploma in Principle & Application of Digital Fabrication during Jan to June 2021 at Vigyan Aashram Pabal, Pune	97638
Dr. H. M. Jha "Bidyarthi"	International Conference on Management Cases 2020,Birla Institute of Management Technology, Greater Noida, India	3540



Annual Report 2020-21

Dr.D.R.Dhotre	Machine Learning And Its Applications In Data Analytics Phase-I
Prof. C. M. Mankar	1.Machine Learning And Its Applications In Data Analytics Phase-III
	2.Machine Learning And Its Applications In Data Analytics Phase-II
	3.Machine Learning And Its Applications In Data Analytics Phase-I
Prof. J. M. Patil	1.Machine Learning And Its Applications In Data Analytics Phase-I
	2.Machine Learning And Its Applications In Data Analytics Phase-II
	3.Machine Learning And Its Applications In Data Analytics Phase-III
	4.Research And Publication Ethics
	5.Block Chain
	6.Explore Python
Prof. K.P. Sable	1.Machine Learning And Its Applications In Data Analytics Phase -II
	2.Machine Learning And Its Applications In Data Analytics Phase- III
	3.Advancements In IOT
	4.Writing High Impact Research Papers , Effectively & Efficiently
Prof. A. K. Shahade	1.Role of ICT in Teaching-Learning Process
	2.High Performance Computing Using Parallel, Distributed and Cloud Computing (HPCPDC2)- Phase-III
	3.Improving Excellence in Teaching
	4.Machine Learning and It's Applications in Data Analytics Phase III
	5.Data Science for Engineering Problem Solving
Prof. P. V. Deshmukh	1.Use Of Modern Tools And Computing Skills For Engineers And Researchers
	2.Machine Learning And Its Applications In Data Analytics Phase-III
	3.Machine Learning And Its Applications In Data Analytics Phase-II
	4.Machine Learning And Its Applications In Data Analytics Phase-I
	5.Augmented Reality And Virtual Reality A Future Technology
	6.Big Data Analytics With Deep Learning
Prof. L. Samal	1.GIS & Remote Sensing
	2.Internet of Things (IoT)
	3.Advances in SAR-Polarimetry & Interferometry
	4.ICT Tools for Teaching, Learning Process and Institute
	5.Overview of Geoprocessing using Python
Prof. M. G. Ingle	1.Machine Learning and It's Applications in Data Analytics Phase III
	2.Machine Learning and It's Applications in Data Analytics Phase II
	3.Machine Learning and It's Applications in Data Analytics Phase I
	4.Python Programming
	5. Tools & Techniques for Efficient and Effective Teaching Learning
Prof. V. D. Rewaskar	1.Machine Learning and It's Applications in Data Analytics Phase II
	2.Advancements In IOT
Prof. T. M. Untawale	1.Data Analytics With Python
	2.Python Programming
	3.Software Training On Ruby



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Dr. S. R. Paraskar	Attended FDP on “Design Of Solar PV System Using PVSYST Software” VAAGADEVI College of Engineering Hyderabad
Dr. R. S. Pote	Software Utility for Teaching and Research in Electrical Engineering (SUTREE-2020) Phase - III Department of Electrical Engineering, SSGMCE, Shegaon
Mr. U A Jawadekar	“ Future Technologies for smart Cities” Shri Sant Gajanan Maharaj Collge of Engg Shegaon
Dr. Mrs. A U Jawadekar	Scholar-Warrior Program,LEADSCAPE
Dr. S S Jadhao	Scholar-Warrior Program,LEADSCAPE
Mr. R Z Fulare	National level FDP on G-Suite and allied tools in education, teaching and e-content Development, SGBAU Amravati
Mr. P R Bharambe	National level FDP on G-Suite and allied tools in education, teaching and e-content Development, SGBAU Amravati
Mr. P R Bharambe	Two-week Industrial Internship on “Design & Development of Smart, Dual, Regulated DC Power Supply” Jointly by Anand Techno Creations Satara& NRIT Incubation Centre RIT Islampur.
Mr. R S Kankale	One week Faculty Development Program on “Algorithms and Techniques for Signal Processing,"Jointly organized by Department of E&TC, Government College of Engineering Pune & Department of ECE & CSE, Manipur Technical University (MTU), Imphal
Mr M R Chavan	Five week FDP on “Innovation and Industry Readiness” Scientific Juggadfundam.in association with the MACCIA
Mr. R K Mankar	“Recent Trends in Power Electronics, Power System and Renewable Energy System-II (RTPEPSRES-II-2020)” Department of Electrical Engineering, National Institute of Technology, Raipur, CG.
Mr. R K Mankar	“Advanced Machine Learning and Biosignal Data” Department of Electrical Engg and Information Technology ,NIT Raipur
Mr. G N Bonde	National level FDP on G-Suite and allied tools in education, teaching and e-content Development, SGBAU Amravati
Mr. A K Damral	Software Utility for Teaching and Research in Electrical Engineering (SUTREE-2020) Phase - III Department of Electrical Engineering, SSGMCE, Shegaon
Mr.. V S Karale	Participated in Online Short Term Training Program on “Machine Learning: Algorithms and Applications in Data Science” Department of Electronics Engineering, Vishwakarma Institute of Technology, Pune.
Mr. B S Rakhonde	“Smart Grids and Electric Vehicles” NMR ENGINEERING COLLEGE. In association with AICTE Training And Learning (ATAL) Academy
Mr. P R Dhabe	“Energy Storage” Kallam Haranadha Reddy Institute of Technology (ATAL)
Prof. Dr. M.N. Tibdewal	Signal Processing and Machine Learning for AI-Driven Healthcare Systems
	Internet of Things (IoT)
	Leadership Qualities
	ATAL Academy Online FDP on " Wearable Devices"
Prof. Dr. K.B. Khanchandani	Neural Network and Deep Learning
	Convolutional Neural Networks
	Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and



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	Optimization
	Sequence Models
Prof. Dr. R.S. Dhekekar	Leadscape Scholar Warrior Program
	Internet of Thing for Engineering Application
	LeadscapeScholor Warrior Program
	Advanced Teaching Tools, Techniques and Methodologies for Outcome Based Education
V. M. Umale	Online FDP on “ Future Technologies for Smart Cities”
	FDP on “ Augmented reality & Virtual Reality”
	LeadScape Scholar-Warrior Program
V. N. Bhonge	Leadscape Scholar-Warrior Program
D. L. Bhombe	LeadScape Scholar-Warrior Program
	ATAL Online FDP on " Internet of Things (IoT)"
	Outcome Based Curriculum Design
Dr. D.D. Nawgaje	LeadScape Scholar-Warrior Program
	Wireless Communication Technology for IOT
B.P. Harne	Lead scap Scholar-Warrior
Dr. D.P.Tulaskar	Lead scap Scholar-Warrior
	Modelling, Measurement and Recent trends in Microstrip Patch Antenna
	Future Technologies for Smart Cities"
	Machine Learning and AI for Applications in Language, Vision and Control
Dr. P. R. Wankhede	Embedding AI in Smart Sensors
	Machine Learning for Computer Vision
	System Design Methodologies for Embedded, IoT, AI, & HPC using Intel FPGA
A.N. Dolas	Future Technologies for Smart Cities
	Wireless Communication Technology for IoT
V.V. Ratnaparkhi	LeadScape Scholar-Warrior Program
	Wireless Communication Technologies for IoT
V. K. Bhangdiya	Artificial Intelligence
	Deep Learning for Computer Vision
	Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop
	Real-time OCR and Text Detection with Tensorflow, OpenCV and Tesseract
	Internet of Things (IoT)
	Deep Learning Tools & Applications in Engineering & Science
K.T. Kahar	Scholar-Warrior
	Machine Learning and AI for Applications in Language, Vision and Control
	Future Technologies for Smart Cities
	INSIGHTS OF NBA
P. D. Kale	Advance Communication Engineering
	Modelling, Measurement and Recent trends in Microstrip Patch Antenna
	Machine Learning and AI for Applications in language, vision and control
K. M. Thanvi	Internet of Things



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	Natural language processing using python
	Wireless communication technologies for IoT
S. P. Badar	Internet of Things (IoT)
	Future Technologies for Smart Cities
	LeadScape Scholar-Warrior Program
	Advanced VLSI Design using Microwind
	Summer Faculty Research Fellow Programme-2020
T. P. Marode	LeadScape Scholar-Warrior Program
V. S. Ingole	Internet of Things (IoT)
	Machine Learning and AI for Applications in Language, Vision and Control
A.A. Deshmukh	Leadscape Scholar Warrior Program
Mr.M.B. Dhamande	Stress Management
	A Practical Approach Towards Engineering for Technical Person-Technovators 2020
	Computer Hardware and Networking:Advance Tools & Advance Excel
	Artificial Intelligence
	Internet of Things(IoT)
	Learn To Design your own solar home system
Mr.M.Y.kasikar	Advanced VLSI Design using Microwind
	A Practical Approach Towards Engineering for Technical Persons - Technovators 2020
	Computer Hardware & Networking, Advance Tools & Advance Excel”
	National Quality Enrichment Program For Non-Teaching Staff organised by IQAC
	Future Technologies for Smart Cities
Mrs.S.S.Gachke	Introduction to Computers
	Computer Hardware & Networking , Advance Tools and Advance excel
	Foundation e-Content making on mobile
Mr.Saleem Ahmad	Stress Management
	Advance MS Excel
	Computer Hardware & Networking, Advance Tools & Advance Excel
	Platform for Online Meeting, Data Collection and Examination
	A Practical Approach Towards Engineering for Technical Persons - Technovators 2020
Mr.S.P.Satal	Platform for Online Meeting, Data Collection and Examination
Prof.A.S.Manekar	Online course on Communication Skills, Modes and Knowledge Dissemination" by NITTT and AICTE
	One week online STTP on INTRODUCTION TO BIG DATA ANALYTICS AND DEEP LEARNING" By PRMIT Badnera
	One week FDP on "Machine Learning" organized by Maharishi Markandeshwar Engineering College Ambala
	STTP through ICT Mode on "Development of Laboratory Instructions" organised by NITTT and AICTE
	One Week Online STTP on “Blockchain in DevOps: Implementing Transparent Continuous Delivery” SVERI Pandharpur



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	One week online STTP on "Latex-The word processor" organized by SCOET, Amravati.
	One week Online FDP on "Data science for engineering problem solving" organised by SKNCOE Pune
Prof. P. V. Kale	Online FDP on "Data Science using Python" at Government Polytechnic Gandhinagar by AICTE ATAL.
	Online FDP on "MachineLearning (Computer Science and Engineering)" at IIIT Dharwad by AICTE, ATAL
	Online STTP on "Machine Learning and It's Applications in Data Analytics" organised by SSGMCE Shegaon
	Online FDP on "Accreditation and Outcome Based Education"at Yeshwantrao Chavan College of Engineering by ATAL
	One week FDP on LeadScape Scholar-Warrior Program" conducted for the SSGMCE Shegaon by Landscape Advisors.
	FDP on "Website development using wordpress" by E & ICT Academy, IIT Kanpur
Prof. A. G. Sharma	Online FDP on "Artificial Intelligence" Indian Institute of Information Technology Sri City, Chittoor, AICTE, ATAL
	One week FDP on "G Suit and Allied tools in education, teaching and E Content development", by CSE Dept.SGBAU Amarati University
	One week STTP on "Machine learning and its applications in data analytics" Organised by CSE Dept SSGMCE Shegaon
	One week STTP on "Machine learning and its applications in data analytics" Organised by CSE Dept SSGMCE Shegaon
	One Week Online STTP on "Machine Learning and It's Applications in Data Analytics", Organized by Dept of CSE, SSGMCE, Shegaon
	One Week Online STTP on "Machine Learning and It's Applications in Data Science", Organized by Dept of Electronics, VIT Pune
Prof. F. I. Khandawani	Faculty Development Programme on " Trends and Application in Machine Learning and Deep Learning "
	One week FDP on "G Suit & Allied Tools in Education, Teaching and E content development"
	One week FDP on LeadScape Scholar-Warrior Program" conducted for the SSGMCE Shegaon by Landscape Advisors.
Prof. S. D. Padia	Online / SF-STTP / FDP Programme on "LaTeX - The Document Processor" organized by Sipna College of Engineering & Technology, Amravati, Maharashtra
	One-week online STTP on "New Emerging Trends in Data Analysis ", by Government Polytechnic, Nagpur funded and approved by AICTE, New Delhi.
Prof. S. S. Muddalkar	Online FDP on "Artificial Intelligence" Rajagiri School of Engineering and Technology, AICTE, ATAL
	Online FDP on "Data science for IOT" Indian Institute of Information Technology Allahabad, AICTE, ATAL
	One week FDP on LeadScape Scholar-Warrior Program" conducted for the SSGMCE Shegaon by Landscape Advisors.
Prof. P. P. Bute	Orientation/Refresher program on"Advanced Emerging Trends in CSE & IT" by AICTEE-ISTE at Usha Rama College of Engineering & Technology
	One week Online FDP on "Future Technologies for Smart Cities" by SSGMCE, Shegaon
	One week FDP on LeadScape Scholar-Warrior Program" conducted for the



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	SSGMCE Shegaon by Landscape Advisors.
	Six days online FDP on “Machine Learning & AI” by Knowledge Solutions India
	Online course on “Workplace Communication” by IIT Bombay
	One week online STTP on “Blockchain in DevOps: Implementing Transparent Continuous Delivery” by SVERI’S College of Engineering Pandharpur, Maharashtra
	Online workshop on “Inculcating Universal Human Values in Technical Education” by AICTE
	Online / SF-STTP / FDP Programme on “LaTeX - The Document Processor” organized by Sipna College of Engineering & Technology, Amravati, Maharashtra
Mr.S.S.Pawar	One Week Faculty Development Programme on “CYBER SECURITY AND CYBER FORENSICS”
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
	Outcome based education and NBA
	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)



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	FDP on the Academic leadership in higher education
Prof.K.P.Deshmukh	Data Science
Dr.A.S.Tale	Digital Fabrication
Dr. H. M. Jha 'Bidyarthi'	Creating A Learning Organization Through Outcome-Based Measures
	LeadScape Scholar-Warrior Program
Dr. L. B. Deshmukh	Creating A Learning Organization Through Outcome-Based Measures
	LeadScape Scholar-Warrior Program
	BBA in Rural Management and MBA in Rural Management
	OBE and NBA Process
Dr. P. M. Kuchar	Creating A Learning Organization Through Outcome-Based Measures
	LeadScape Scholar-Warrior Program
	OBE and NBA Process
	Online Curriculum Development Workshop
	Industry-Academia Partnership Avenues - Role of Educators in Industrial Development
	Moodle LMS (Learning Management System)
	NBA Accreditation
	Quality by Design
	Future of Education post Covid
	Consumerism and Financial Lteracy in COVID-19
	Digital Fabrication
Internet of Things: Product Design, Development and Implementation"	
Dr. M. A. Dande	Consumerism and Financial Lteracy in COVID-19
	Emotional Intelligence
Prof. V. V. Patil	Digital Skills for Smart Teaching
	Consumerism and Financial Lteracy in COVID-19
	Financial Modelling
	How To Be A Dynamic And An Effective Teacher ?"
Dr. S. M. Mishra	Creating A Learning Organization Through Outcome-Based Measures
	Online Curriculum Development Workshop
	Industry-Academia Partnership Avenues - Role of Educators in Industrial Development
	Financial Modelling
	Impact of COVID - 19 on migrant workers
	Innovations in Learning
Madhao B Bhambere	NPTEL-Introduction to Research
	NPTEL-Conduction and Convection Heat Transfer
Laxmikant Deshmukh	NPTEL-Production and Operation Management




 PRINCIPAL
 Shri Sant Gajanan Maharaj
 College of Engineering, Shegaon.



Shri Gajanan Shikshan Sanstha's
**SHRI SANT GAJANAN MAHARAJ COLLEGE OF
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"Approved by the D.T.E., M.S. Mumbai"

Annual E-Governance Report: Academic Year 2020-21

Introduction:

The academic year 2020-21 posed unprecedented challenges due to the COVID-19 pandemic, necessitating a swift transition to online education for all academic activities. Despite these challenges, institution successfully adapted to the new normal by leveraging technology to ensure the continuity of education.

Key Initiatives:

To facilitate online learning activities, our institution embraced various Microsoft tools, which proved instrumental in enabling seamless remote education.

The following tools were incorporated into our e-governance framework during this period:

Microsoft Teams: Utilized for virtual classroom sessions, fostering collaboration, and facilitating communication among students and faculty in real-time.

Microsoft OneNote: Served as a platform for organizing course materials, notes, and assignments in a digital format, accessible to all students from any location.

Microsoft Forms: Deployed for conducting online quizzes, surveys, and assessments securely and efficiently. Additionally, this tool was utilized for conducting University examinations, ensuring academic integrity in a remote setting.

Microsoft SharePoint: Leveraged for document sharing, version control, and collaborative project work among students and faculty members, enhancing productivity and collaboration in virtual environments.

Microsoft Outlook: Used for efficient email communication, scheduling online meetings, and managing academic calendars, facilitating seamless coordination among stakeholders.

Impact and Benefits:

The integration of these Microsoft tools played a pivotal role in mitigating the challenges posed by the pandemic and ensuring uninterrupted education delivery.

Key benefits include:

Seamless transition to online education, enabling students to continue their learning journey without disruptions.

Enhanced collaboration and communication among students and faculty members, fostering a conducive virtual learning environment.

Improved accessibility to educational resources and course materials, facilitating flexible and self-paced learning experiences.

Streamlined assessment processes, ensuring the integrity and efficiency of online examinations and evaluations.

Future Directions:

Moving forward, institute will continue to explore innovative solutions and best practices to optimize online education delivery, promote student engagement, and uphold academic excellence.

Conclusion:

The academic year 2020-21 showcased our institution's resilience and adaptability in the face of adversity. Through the effective utilization of Microsoft tools and e-governance initiatives, we successfully ensured the continuity of education and maintained our commitment to delivering quality learning experiences to our students.

**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
	23-07-2020
	15-01-2021