ISO 9001:2015

Shri Gajanan Shikshan Sanstha's
Shri Sant Gajanan Maharaj
College of Engineering
SHEGAON, MAHARASHTRA, INDIA

DESIGN
YOUR
FUTURE›››

EST.1983

The 'Wheel' in the symbol represents eternal progress in Science, Engineering Technology and Management. The 'Eagle' with spread out wings indicates Fearlessness, Fastness and Sharp sightedness. The Sanskrit inscription **'Vidyaya Amrutum Ashnute'** is taken from 'Isha Vasya Upanishad' and means 'He who knows Vidya (Knowledge) attains immortality.' The central figure of His Divine Grace, Shri Sant Gajanan Maharaj who is our eternal source of inspiration.
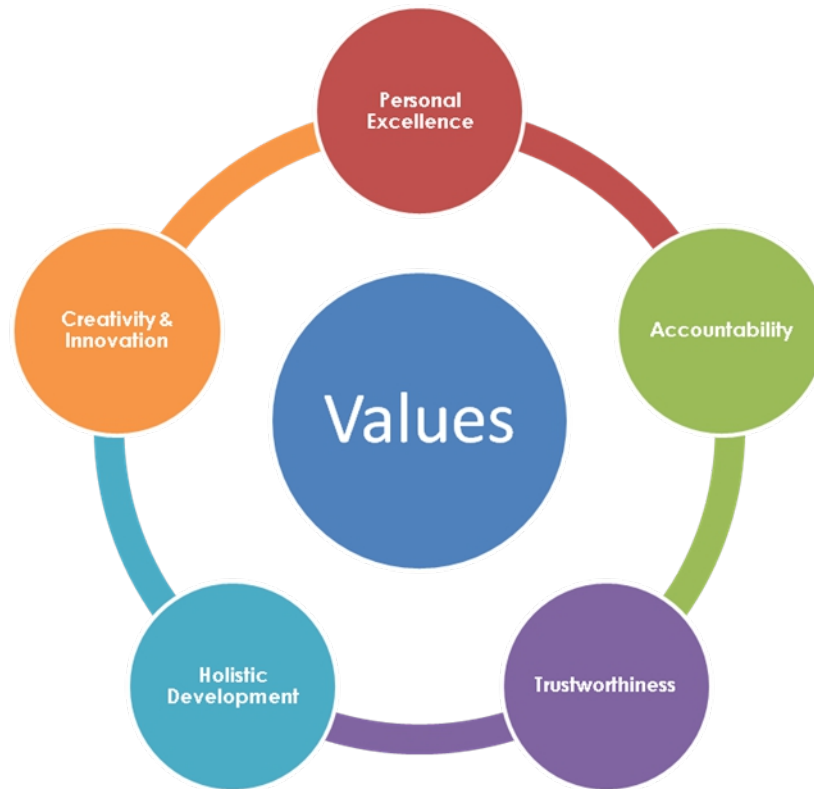
About the Institute

The then Govt. of Maharashtra bestowed upon the Sansthan, the trust to start an Engineering college in 1983 and thus, Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon came into existence on 23rd August, 1983 initially in a rented building.

The commitment of the management to the growth of the college through advices and support of intellectuals, administrators and experts from various fields transformed it into a sprawling campus of its own in about 82 acres with well laid out state-of- the-art infrastructure and modern facilities.

This saw the college grow by leaps and bounds, adding feathers to its cap in the form of the addition of many new courses and recognitions and approvals from various competent authorities like AICTE, DTE, SGBAU Amravati and accredited by NBA, NAAC, etc. What we see today, is the pious and sincere effort of all the stakeholders for more than four decades.

What we Value at SSGMCE

1) Personal Excellence

Explores to unleash one's potential through proactive awareness, research attitude, continuous learning, accountability & innovation in every sphere of life.

2) Accountability

Each individual at SSGMCE is a firm believer of being accountable to one's own   role, goal, and development. We all follow the rules and regulations, and our interactions with   others   are refined, proper, and organized.

3) Trustworthiness

Build trust through honesty, integrity, consistency, transparency & keeping promises.

4) Holistic Development

SSGMCE provides a system to incorporate & sustain holistic development (Physical, Mental, Social, Emotional & Spiritual).

5) Creativity & Innovation

Inculcate innovation / creativity through resourcefulness, sharing and employing new ideas, possibility thinking.

Committees

- Management Committe of Shri Sant Gajanan Shikshan Sanstha, Shegaon

- Governing Body of Shri Sant Gajanan Maharaj College of Engineering constituted by AICTE, New Delhi

- Local Managing Committee of Shri Sant Gajanan Maharaj College of Engineering constituted by Sant Gadge Baba Amravati University, Amravati

- College Development Committee of Shri Sant Gajanan Maharaj College of Engineering, Shegaon Constituted by Sant Gadge Baba Amravati University, Amravati

As per direction of AICTE, DTE,SGBAU,etc. the following committees have been constituted for the college

- Anti Raging Committee

- Grievances Redressal Cell for Sexual Harassment

- Internal Complaints Committee (ICC)

- Internal Committee (IC) for SC/ST students

- Grievances Redressal Committee (GRC)

- National Education Policy (NEP) - 2020

Vision

" To impart world-class Engineering and Management education in an environment of Spiritual foundation to serve the global society "

Mission

- To develop excellent learning center through continuous design and upgradation of courses in close interaction with R&D centres, industries and academia

- To produce competent, entrepreneurial and committed technical & managerial human resource with a spiritual foundation to serve the society

- To develop state-of-the-art infrastructure, centers of excellence and to pursue research of global and local relevance

- To strive for 'Sarve Bhavantu Sukhinah' – the ideal of our parent organization Shri Gajanan Maharaj Sansthan through the symbiosis of science and spirituality

Objectives

To create, disseminate and preserve knowledge and understanding by teaching, research, service and by effective demonstration and influence of its corporate life on society at National and global level.
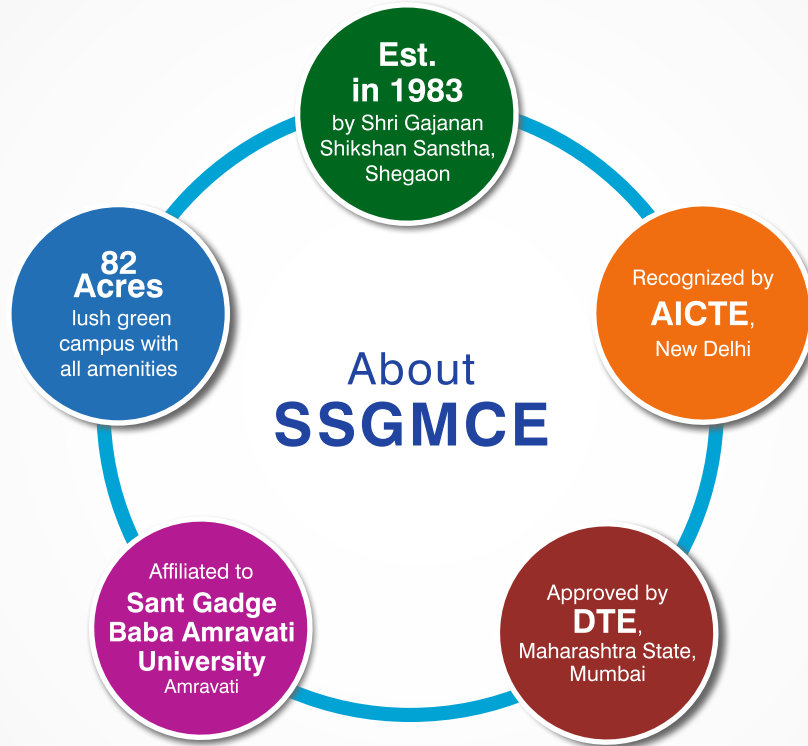
Goals

- To enrich human resource of the nation with efficient and effective technical manpower
- To work hand in hand with the industries and bring this interaction to the individual level
- To work for symbiosis of science and spirituality
- To build, maintain and disseminate culture conducive to meditating upon life's real mission.

Collaboration & Tie-ups

- MOU with Lyceum of the Philippines University, Laguna (LPU - Lagauna)
- International Academic Collaboration with De-Montfort University, Leicester (UK)
- Recognized as Scientific and Industrial Research Organization by DSIR, New Delhi
- MNRE SMERA-SOLAR Grading and Channel Partners of Govt. of India
- Primary Member of Indian STEPs and Business Incubators' Association (ISBA)
- IP Facilitation Center Promoted by Ministry of MSME, Govt. of India under NMCP Scheme
- Membership of Confederation of Indian Industries (CII)
- MOU with Maharashtra Chamber of Commerce Industries and Agriculture (MACCIA) and with various companies and entered into agreements with Industrial and Research Organizations
- Recognition by DC-MSME as a Host Institute for Business Incubation
- MOU with ST Microelectronics and CMP IC Fabrication Laboratory, FranceS. M. Wireless Technologies, Nagpur (Sister Concern of RFIC, USA) and Cadence India Pvt. Ltd., Bangalore
- MOU with Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola
- Tata Consultancy Services-Microsoft Business Unit for Training and Certification
- Wipro Limited CSR Training Activity under Wipro Talent Next For Full Stack and AWS Certification
- Persistent Systems Limited, Nagpur - Internship-cum-Training for Software Development
- Capabl, Pune-Training and Internship for Electric Vehicle, Full Stack Development and Data Science.
- MOU with NITI Chicago, IL, USA
- MOU with YBI Foundation, Delhi
- MOU with Skill Academy-Test Book, Mumbai
- MOU with INFYNAS Learining Solution LLP, Pune
- MOU with S&K Associates, Nashik
- MOU with Pre-Grad, Noida
- MOU with Mindz Cloud, Nagpur
- MOU with KIMO Organization, Pune
- MOU with BASE Education, Jalgaon
- MOU with ExcelR, Pune
- MOU with Veterans India, New Delhi

About SSGMCE

- **Est. in 1983** by Shri Gajanan Shikshan Sanstha, Shegaon
- **82 Acres** lush green campus with all amenities
- Recognized by **AICTE**, New Delhi
- Affiliated to **Sant Gadge Baba Amravati University** Amravati
- Approved by **DTE**, Maharashtra State, Mumbai

Institute Level Achievements/ Recognitions

- ISO 9001:2015 Certified Institute
- Recognition Under Section 2(f) [1989] & 12(B) [2003] of UGC ACT. 1956
- Identified as "LEAD COLLEGE" by SGBAU, Amravati
- Selected for World Bank assisted TEQIP Phase-I, Govt. of India (Project) with Soft loan of Rs. 4.81 Crore
- Institute selected for Parisparsh scheme as a mentor for accreditation
- IIC (Institution's Innovation Council) GOI, rated with 3 Star by MOE 2022-23
- DATA QUEST T- School Ranking 2023 : 89 : (Overall) & 81 (Private Sector)
- Under AICTE Scheme, Eminent Scientist, Padma Vibhushan Dr. R. A. Mashelkar appointed as DISTINGUISHED CHAIR PROFESSOR during 2021-22
- **"AAA"** grade by **CAREERS360** and one of the Best Engineering Institutes in the Country, 2023
- Ranked **"A"** grade in Best B-School of India by Business India Magazine, Jan. 2024
- Annual College Magazine Tattwadarshi awarded 2nd Prize in SGBAU Magazine Competition 2021
- Band Performer in ATAL RANKING OF INSTITUIONS ON INNOVATION ACHIEVEMENTS (ARIIA) RANKING 2021
- Honoured with Dewang Mehta National Education Leadership Award - 2015 & 2016
- Honoured with Management College of the Year 2016 & 2017 by Higher Education Review Magazine Nov. 2016 & 2017

Institute Level Achievements/ Recognitions :-

- Recognized Ph.D. Research Centre by SGBAU, Amravati
- Recognition by MSME as a Host Institute for Business Incubation
- IIT's Remote Centre for Continuing Education Program
- Nodal Centre for Virtual Labs - An initiative of MHRD under the National Mission of Education through ICT
- Authorized Training Partner of SAP i360 Program for IoT and Machine Learning
- Patents Filed: 24, Granted : 04 , Copyrights : 06
- Member of Indian Science and Technology Entrepreneurs Parks & Business Incubator Association (ISBA), Govt. of India
- Member of Global Innovators & Entrepreneurs Network (GiNET Startup Village)
- Best Philanthropist Award in Ignited Innovators of India (I2I), COE, Pune
- Member on DTE, M.S., Mumbai UG-PG Engineering Admissions Criteria and Process, Rules and Regulation Revision Committee for 2022-23
- Representation on BOS, Faculty & RRC of SGBAU, Amravati
- Member on Vice chancellors Academic Excellence Fellowship Committee
- Chairman/members on Principal Selection Committee of SGBAU
- Chairman/members on Faculty Selection Committee of SGBAU
- Chairman/members on Local Enquiry Committee of SGBAU
- Best E-Lecture Award in the Competition Organized by REST Society for Research International – 2021
- Faculty member elected as a Member of IEEE BOMBAY Section, Technical Professional Activities Committee (TPAC) – 2021
- Faculty member received Outstanding Programme Officer, NSS District Award-2021
- Outstanding Branch Counselor & Advisor Award IEEE, USA, 2007 & 2017
- Gold & Silver NPTEL Certification, 2019 Conducted by IIT, Kanpur
- Certified Virtual Lab Developer- IIT Bombay
- Faculty members are recognized as Editor, Reviewer of International reputed Journals
- Five Faculty members are recommended as the International Fab Academy faculty by MIT-USA.
- One faculty member nominated for KPIT, Pune sabbatical training 2022
- University Rank holders: 27 (S-2023)
- University Gold Medals : 01 (S-2023)
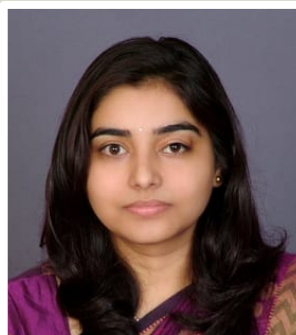
Institute Level Achievements/ Recognitions :-

- University Color Coats: 03 (2023-24)
- 12 teams shortlisted for Smart India Hackathon 2022
- 03 Students completed six months International Internship (Onesmarter Inc., USA)
- 03 Students completed six months International Internship from Prof. Terry Oroszi of USA.
- Won 2nd and 3rd Prize, Adani Project Hackathon Competition, Mumbai, Dec. 2021
- Won 1st Prize in SAE INDIA Logo Competition, Dec. 2021
- First Prize Rs. 1 Lakh in the National level competition "Code Ninja Hunt 2020" organized by Nitor Infotech Pvt. Ltd. Pune
- First Rank in Smart India Hackathon, 2019
- First and Third Rank in Smart India Hackathon 2017 & also won Inspiration Award sponsored by AYUSH and AICTE
- Runner- up and Deloitt Innovation Award in Smart India Hackathon, 2018
- Runner-up in Cadence Design Project Contest 2018, Bangalore
- Gold & Silver Medal in International Aerobics Event in Russia (Moscow)-2016
- Two First and One Second Prize in Project Competition "STARTUP FEST 2022" organized by SGB Amravati University
- First Prize in State Level Amravati Startup Business Plan Competition 2019, by Govt. of Maharashtra State Innovation Council
- First Prize in National Entrepreneurship Challenge E-Summit, IIT Bombay, April 2017
- IDEA and IMPLEMENTATION AWARD in Ignited Innovators of India (I2I) Project Competition, Entrepreneurship and Leadership at COE, Pune
- Sakshi Deshmukh, Brand Ambassador of Swachha Bharat Mission
- First Rank in KIMO (Bangaluru, Karnataka) Edge Competition, April 2023
- Won Bronze Medal by Jayashri Shetye in Pencak Silat (50-55kg) during 37th National Games 2023, Goa.
- IEE Bombay Section Appreciation for Hosting 'TECHNOVATION 2023' for Division 6, April 2023
- Outstanding Performance and Admirable contribution in Choice Based Credit System (CBCS) - NEP Execetors training programme by SBGAU, Amravati, 2022

Mr. Dnyanesh Gawai
Selected as
Dy Education officer

Mr. Amol Parihar
Selected as
Chief Officer (CO) through MPSC

Ms. Shraddha Waghmare
Selected as Asst. Labour Commissioner

Ms. Sukanya Narayan
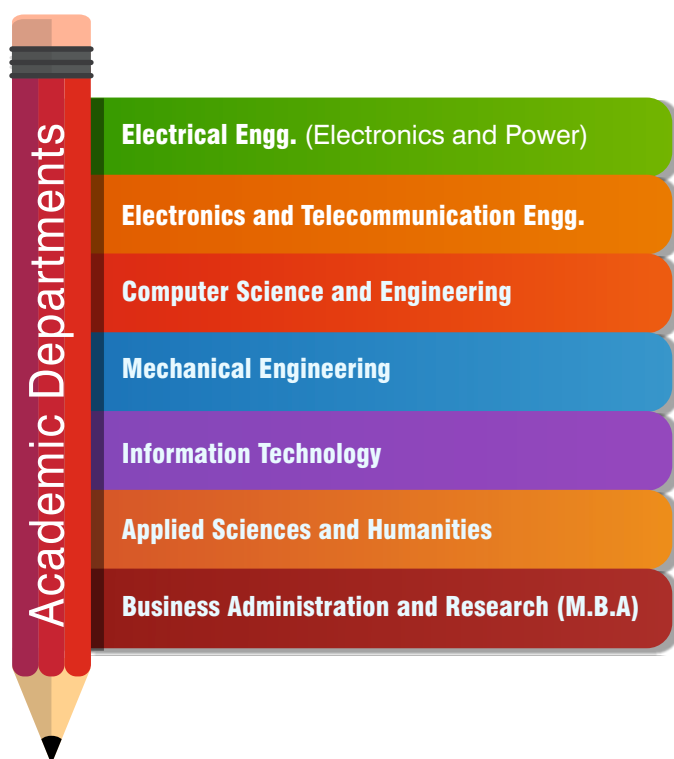Selected as Asst. Labour Commissioner
(Class 1) through MPSC.

Highlights

1. State-of-the-art laboratories and Recognized for Ph.D. Work by SGB Amravati University, Amravati
2. Computerized Library with Book Bank Facility
3. Ultra Modern Auditorium (1200 Seats) & Seminar Hall (250 Seats)
4. 24x7 Wi-fi, Internet and Intranet Facility
5. 24x7 Uninterrupted Electrical Power Supply
6. Excellent Results forming lion's share in the SGBAU Merit List
7. Excellent T & P Cell with Consistent Placement Records
8. Skill Development Centre
9. MoU with CII, MACCIA, ISBA, VIA, MSME, NIITI, YBI Foundation, Skill Academy, INFYNAS, S&K,Pre-Grad, Mindz Cloud, KIMO, BASE, Excel, Veterans,..., etc.
10. Sponsored scholarships to the meritorious, financially weaker & deserving students
11. Shri Gajanan Invention and Advanced Research Centre (SGIARC)
12. Sant Gajanan Tool Room (SGTR)
13. Solar Research Centre
14. ERP Centre (SAP Equipped)
15. Established Entrepreneurship Development Cell by Dept. of Science & Technology (DST), Govt. of India
16. Centre of Excellences: VLSI Design Centre (Cadence & XILINX equipped), CFD Centre (CFX Equipped), HV Testing Facility, DATA Centre, Advanced Welding Centre, Robotics Lab, Idea Lab, etc.
17. International Academic Collaboration with De-Montfort University, Leicester (UK)
18. IIT's Remote centre under "Eklavya Project" for Continuing Education Programme
19. Selected as a Nodal Centre for Virtual Lab Project (IIT Bombay & COE Pune)1/4Selected as Network Institute under TEQIP Phase- 1, MHRD, Govt. of India (World Bank Project)
20. Recognized as a Scientific and Industrial Research Organization by Dept. of Scientific and Industrial Research (DSIR), GOI
23. Registered Alumni Association
22. Indoor/Outdoor Sport facilities, Badminton Court and Cricket Ground of International Standard, Skating Ring of National Standard, Hi-tech Gymnasium Centre etc.
23. Yoga & Meditation Centre and Community Prayer Halls
24. Major Green Campus Projects
    - Grid Connected 310 KW Solar Power Project
    - Waste Water Management Plant
    - Rain Water Harvesting
    - Recycling of Waste
    - Digital Library / E-learning   Centre
    - Complete Ban on Polythene at Campus
    - 4500 Tree Plantation at Campus
25. MOU with Lyceum of the Philippines University, Laguna (LPU - Lagauna)
26. Won Gold & Silver Medal in International Event of Aerobics in Russia, Nov 2016.
27. Best ISTE Students Award and IT Implementation Award.
28. Coursera for SSGMCE Users (250 Licence)

Courses

	Courses	Start Year	Intake	National Board of Accreditation Status
BE **4 Years** **(Full Time)**	Electrical Engineering (Electronics and Power)	1983	60	Accredited Six Times (Valid upto June 2025)
	Electronics and Telecommunication Engineering	1983	120	Accredited Six Times (Valid upto June 2025)
	Computer Science and Engineering	1985	60	Accredited Five Times (Valid upto June 2025)
	Mechanical Engineering	1993	60	Accredited Six Times (Valid upto June 2025)
	Information Technology	2001	60	Accredited Once
	Total Intake (UG)		**360**	

	Courses	Start Year	Intake	National Board of Accreditation Status
ME **MBA** **2 Years** **(Full Time)**	M.E. in Electrical Power System	1996	18	-
	M.E. in Digital Electronics	2000	18	Accredited Once
	M.E. in Computer Engineering	2012	18	-
	M.E. in Advanced Manufacturing and Mechanical Systems Design	2012	18	-
	Master of Business Administration (MBA)	1994	60	Accredited Three Times
	Total Intake (PG)		**132**	

Academic Departments

- **Electrical Engg.** (Electronics and Power)
- **Electronics and Telecommunication Engg.**
- **Computer Science and Engineering**
- **Mechanical Engineering**
- **Information Technology**
- **Applied Sciences and Humanities**
- **Business Administration and Research (M.B.A)**

Facilities in the Departments

Realizing the changing scenario and its endeavor to provide quality education, SSGMCE has an excellent academic environment with state-of- the-art laboratory facilities having the latest equipment, software and hardware. All the laboratories of all the departments are recognized for Ph.D research. All the departments have smart classrooms equipped with LCD, Meeting Hall, Seminar Hall, Separate staff cabins, PA system, Department Library, Girls' Common Room, Adequate circulation area and with all other amenities. The institute has the leased lines and campus-wide Wi-Fi network. Each department has a carpet area of 2675 sq. meter with adequate circulation area.

ELECTRICAL ENGINEERING
(Electronics and Power)

The department is committed to the advancement of the frontiers of knowledge in Electrical Engineering and to provide the students with a stimulating and rewarding learning experience.

The Electrical Engineering Department has 09 Laboratories with state-of-the-art facilities, namely Electrical Machines Lab., Switchgear & Protection Lab., High Voltage Lab., Control System Lab., Electrical Measurement Lab., Microprocessor & Microcontroller Lab., Basic Electrical Engg. Lab., Computer Lab. and Power Quality Lab. The Department has MATLAB, PSCAD, ETAP & Lab-VIEW software and d-SPACE hardware kit, Power Quality Analyzer, HV testing set up-to 100 kV, Dielectric Testing kit etc.

The department has excellent training centre for PLC and Factory Automation developed in collaboration with Mitsubishi Electric (India) PVT. LTD., Pune. The department also has state of the art centre of excellence for 'Electrical Vehicle' sponsored by ISIE, Noida.

The department has continuous interaction with various industries and has been involved in various industry based projects and consultancies. The department has highly qualified, well experienced and devoted faculty members. The faculty members of the department have published/presented more than 100 papers in various reputed International / National journals and conferences.

The department has solar research centre and electrical power research lab with state-of-the-art facilities. The research areas of the department are Power Quality, Signal Processing, Condition Monitoring of Electrical Equipment, Power System Protection and Renewable Energy Sources. Recently, the department has successfully installed Grid connected 310 kW Solar Power Project at the Campus.

VISION:

To impart high quality education and excel research in Electrical Engineering to serve the global society.

MISSION:

- To develop excellent learning centre through continuous interaction with Industries, R&D centres and Academia.

- To promote excellence in teaching and research

- To produce competent, entrepreneurial and committed Electrical Engineers with high human values for professional career and higher studies.
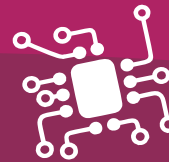
PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

BE Electrical (Electronics & Power) Graduates, within four years of graduation, should demonstrate:

- Expertise and use it for problem-solving in analysis & design of electrical system.
- Engagement in the engineering profession or other professional careers with high human values.
- Lifelong learning and adapting to a constantly changing field through graduate work, professional experience and self-study.
- Leadership and initiative to ethically advance professional and organizational goals and facilitate the achievements of others.
- Teamwork commitment for working with others of diverse cultural and interdisciplinary backgrounds.

ELECTRONICS AND TELECOMMUNICATION ENGINNERING

The department is well equipped with 10 state-of-the-art labs, viz VLSI and Embedded System design lab, DSP lab, Power Electronics and Instrumentation lab, Communication Engg. lab, Analog and Digital circuit lab, Project lab and P. G. lab. The department has TMS 320C8711 & 713 DSP kits, Spartan 6 FPGA boards, ARM 7 (Titan, Metis, Explorer and Voyager), MSP 430 DSP processor, Xilinx ISE with system generator, Logic Analyzer (LA-5000 series), Arbitratory wave generators, IBM e-server 226, Microwave Test benches, Rohde & Schwarz Vector Network Analyzer (9 KHz to 13.6 GHz), HP Spectrum Analyzer (9KHz to 1.5 GHz), Micro-strip trainer, CDMA/GSM trainer, HP signal generator (9KHz to 1 GHz), Photonic design automation software (Optiwave V1.5).

All the laboratories in the department are well equipped to run the program specific curriculum prescribed by the University. All laboratories are recognized and approved as research laboratories for Ph.D. work by SGB Amravati University.

VISION:

To impart quality education and excel in Electronics and Telecommunication Engineering research to serve the global society.

MISSION:

- To develop excellent learning centre through continuous interaction with Industries, R&D centres and Academia.
- To produce competent, entrepreneurial and committed Electronics and Telecommunication Engineers.
- To develop state-of-the-art infrastructure, centers of excellence and to pursue research of global and local relevance.
- To inculcate ethical, spiritual and human values to serve the global society.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

- To produce Electronics & Telecommunication engineers with a strong foundation of Mathematics, Science and Technology to fulfill needs of society.
- To enable students to innovate design, simulate, develop, analyze and test hardware and software components for offering solutions to real life situations using state-of-the-art infrastructure and R&D facilities.
- To nurture students with professional attitude, leadership, entrepreneurship, effective communication, teamwork & multi-disciplinary approach to serve in national and multinational organizations.
- To inculcate ethical, moral and environment friendly values in students.

COMPUTER SCIENCE AND ENGINEERING

- Department offers B. E. programme in Computer Science & Engineering (Five Times Accredited) and M.E. programme in Computer Engineering.
- Effective teaching learning process including project-based learning using modern tools and technologies.
- Department has well equipped laboratories with state-of-the-art facilities and also following Industry sponsored laboratories-
- Nebula Research Lab by e-Zest Solutions Ltd., Pune
- PHRONESIS Machine learning and IoT Lab by PHRONESIS partner, Noida.
- Data Science Lab by Value Momentum, Hyderabad.
- Department has setup NPTEL local chapter and E cell in collaboration with IIT, Bombay.
- Department has state-of-the –Art 3-tier DATA CENTER with 600MBPS bandwidth to cater the need of high-speed internet and also it is equipped with high end rack servers.

VISION:

To achieve global recognition in Computer Science and Engineering education to serve the growing needs of industry and society.

MISSION:

- To imbibe programming skills in latest areas of computer science through project work.
- To prepare the Innovators, Entrepreneur, Researchers and Educationalist through quality education and industry Institute Interaction.
- To prepare good human beings who work with missionary zeal for upliftment of society.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

- To excel in communication skill, teamwork, multidisciplinary approach and an ability to relate engineering issues to broader social context.
- Graduate will demonstrate the skills of Innovation, Entrepreneurship and Research.
- Graduate will be Computer professionals with latest skills and technologies to cater to the needs of global IT industry and National Organizations.

MECHANICAL ENGINEERING

The Mechanical Engineering Department at SSGMCE, Shegaon is one of the most reputed departments in terms of facility, faculty, students, and activities. It continues to lead and expand its activities in various directions. The Department is known for the Expertise and State-of-the-art facilities especially in CAD-CAM, Computational Fluid Dynamics (CFD), Manufacturing and Production Technology, Energy Conversion, Computerized I. C. Engines, Mechatronics, Dr. Georg H. Endress Lab. and also in other core areas. Experimental and computational facilities are being continuously upgraded. Industry interaction has been increased with industrial visits and arranging expert lectures by industry personnel and carrying out the industry sponsored projects for students.

The Dept. has the SAE (India) Students' Chapter, Institute of Engineering (India) (IEI) Students' Chapter and Renewable Energy Club which aim to conduct several programs that are required for the overall development of the students community.

VISION:

To develop quality mechanical engineers, researchers and entrepreneurs with commitment for excellence, learning enthusiasm, ethical behavior and serving the society.

MISSION:

- To offer technical and spiritual environment for unique learning experience in Mechanical Engineering.
- To provide value based technical education and disseminate knowledge to improve the quality of human life.
- To impart training, research, entrepreneurship abilities and skills to have all-round development of the students.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

- Engage in creating, designing, manufacturing, analyzing, testing, and maintaining the systems of Mechanical Engineering and allied branches of engineering.
- Solve the problems of societal importance by applying fundamentals of mechanical engineering & pursuing higher education, research in the domain of Mechanical Engineering.
- Imbibe ethical values & skills for lifelong learning to work effectively as a part of a team member, leading a team in a multidisciplinary setup.

INFORMATION TECHNOLOGY

The department has four laboratories namely Digital Micro Computing Lab, Web-Tech Lab, Operating System Lab and Research Lab. Software are installed in labs for practical such as IBM Rational Rose, Smart Draw, Visual Studio, JAVA, TC, Oracle 9i, Dream Viewer, XAMPP, Visual Use Case, MATLAB, etc.

There are hardware kits available for micro-processor programming using 8086 and hardware peripherals kit along with TASM and Emu8086 software and embedded system programming using ARM processor with TRITON software.

Department has already started Software Testing Club, IoT Lab and Data Science Lab. in collaboration with various industries for solving industry based projects. Department also established GPU CUDA Teaching Centre sponsored by NVDIA, Hong Kong with modern world class infrastructure.

:The Department has signed MOU with

- Expert Global Solutions Pvt. Ltd.
  (An Alten Company, Aurangabad)
- Vidharbha Industry Defence Hub, Mihan, Nagpur
- Vnurt, Bangalore
- RED HAT Academy, Bengaluru

VISION:

To develop the department into a centre of academic excellence by inculcating recent IT trends and maintaining dynamic equilibrium as per the industry needs.

MISSION:

1. To offer quality graduate program in IT to prepare students for professional career.

2. To promote students for higher studies and research.

3. To provide excellence in teaching, collaboration activities and contributions to society.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

- To nurture among IT graduates the requisite skills which will help them to contribute to their personal, professional and societal growth at large.
- To prepare and develop IT graduates who will be able to take challenges and lead IT organizations by effectively culminating their overall software and hardware skills.
- To prepare and develop IT graduates for multidisciplinary areas by providing strong foundation in the areas of basic sciences, mathematics and to inculcate the ability to utilize recent tools & techniques and skills to prepare them for their graduation & research.
- To prepare and develop IT graduates who will understand ethical, social, technical and various business context where their engineering skills will be effectively utilize.

APPLIED SCIENCES AND HUMANITIES

The prime objective of the department is to lay down the foundation for the undergraduate courses offered by the college. The department has three laboratories viz. Engineering Physics, Engineering Chemistry and Languages Laboratory well equipped with latest equipment, demonstration kits, charts, etc.

The department has introduced additional English Janguage sessions to enhance the communication skills of the students to enable them to face the competitive world. The department has the advanced software like ETNL Language Software, Lingua-Phone Kits, Gaussian 3.0, Mathematica 5.2, LCR Bridge (Agillent-4980 software.

Applied Science is a bridge that connects Pure Sciences with the engineering world. The mission of the department is to generate human resource of excellent quality, with high professional competence in interdisciplinary research encompassing mathematics, chemistry, and physics for the national needs. The main focus is on promoting the scientific applications and knowledge in such a manner that the students and faculty shall contribute effectively, intellectually and ethically to the scientific community of the world.

BUSINESS ADMINISTRATION AND RESEARCH (M.B.A.)

The department offers two years full-time post-graduate degree course in Management (MBA) approved by AICTE, New Delhi & thrice accredited by NBA, New Delhi. The course curriculum is credit-based with the introduction of dual specialization in as many as eleven functional areas of management. The departmental activities are embedded with students' and faculty seminars, project-based learning, community-based learning, business simulation exercises, summer internship, Parishkriti, Prakalpakriti, B-Plan competitions, Case analysis competition, live industrial projects, dissertation work, guest lectures by industrial and academic experts coupled with corporate interactions, industrial tours in and outside the State of Maharashtra, national level management fete, organization of workshops, MDPs, conferences entrepreneurial activities, spiritual discourses and a host of students' activities by BARSA — 'Business Administration & Research Students' Association.Academic visits abroad, participation in national/international conferences, publications, case developments, and completion of sponsored (by AICTE, New Delhi & Citibank) projects and doctoral researches under faculty members, and community development activities are the regular features of the department. International Skill Development Workshop on Business Analytics was conducted under MoA with Lyceum of Philippines University (LPU, Laguna). 07 Faculty members are Doctorate and the Department is recognized Research Center for pursuing Doctoral research (Ph.D.) under SGBAU, Amravati. Faculty members have also been members of BOS, Faculty, and RRC of affiliating University.

Faculty members are Resource Persons for Financial Education Workshops by the Security Exchange Board of India, Mumbai, nominated for Programme Committee of the International Congress on E-Government since 2010 along with academicians, executives and CEOs of 17 nations of the world, and are on the International Advisory Committee of ICMC of BIMTECH, Greater Noida since 2012. Faculty Members of the department are life members of several professional societies namely the Indian Society for Training and Development (ISTD), Indian Commerce Association (ICA), Indian Society for Technical Education (ISTE), Maharashtra Bar Association, Indian Dairy Association, National Foundation of Engineers etc. Our regular recruiters are Axis Bank, Bajaj Finserv, HDFC Bank, Catholic Syrian Bank, ESAF, Kotak Bank, Parle Agro, Rialtes Pvt. Ltd.,

Religare Securities, Whirlpool, Vodafone, Eclerx, Just Dial, Shriram Chit Fund, Kalash Seeds Pvt. Ltd., etc. Interaction with Alumni, Corporate leaders, and industry experts is ongoing regularly through MoU, Expert Talks, Empanelment on the Advisory board, Guest Lectures, etc.

The department was declared management institution of the year 2016 & 2017 by Higher Education Review Magazine, awarded consecutively for two years i.e. 2015 & 2016 with Dewang Mehta Business School Affair Education Leadership award, named amongst India's top 100 B-Schools for the years 2014 & 2015 by Outlook-Drshti Best B-Schools Survey and have been featuring in several national level independent B-Schools Surveys by Business India, Business Today, Career 360, Go- Education, Fortune India, etc.

MISSION :

- To develop competent and entrepreneurial manpower through research, innovation and quality education.
- To develop human resources with spiritual values to serve global society.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

- Students would accomplish distinguished positions in the corporate world and act as change agents in the society.
- Students would demonstrate and apply analytical thinking, creativity & innovation and adaptability in problem solving.
- Students would be perennially reinventing themselves in management thoughts, philosophy, action, tools and techniques.
- Students would be high on ethical, moral and spiritual values to strive for sustainable growth and inclusive management (Sarve Bhavantu Sukhinah).
- Students would develop multidisciplinary and professional approach coupled with communication skills and teamwork skills to excel in the global environment.

VISION :

To be a learning center for developing competent managerial manpower with spiritual blend to serve industry and humanity.

Central Library
Knowledge Resource Centre

Total Central Library Area   2200 Sq. Mtrs.

Reading Hall Seating Capacity   200 Students

Periodical Section Seating Capacity   100 Students

Library Working Hours: -

Monday to Saturday   - 8.00 am to 12.00 night (Boys)

Monday to Saturday   - 8.00 am to 8.00 pm (Girls)

Sunday & Holiday   - 11.00 am to 5.00 pm

Books	
Total No. of Titles	30044
Total No. of Books	91961
Serials	
Technical Journals (International)	38
Technical Journals (Indian)	56
Non Technical Journals	15
Digital Learning Resources: - CDs / DVDs	895
Electronics Information Collection	4295

Online e-journals Access:

- Science Direct Periodicals Package 2023, 275 journals on Engineering + Computer
- Science Collection, back file access from 2000.
- ASME e-journals Package, 32 journals & back file to 2000 onwards statistcs related to india.
- IET e- journals Package 1600 Journals + Conference, Proceedings and Magazine Collection 32 Titles, 10year back file access.
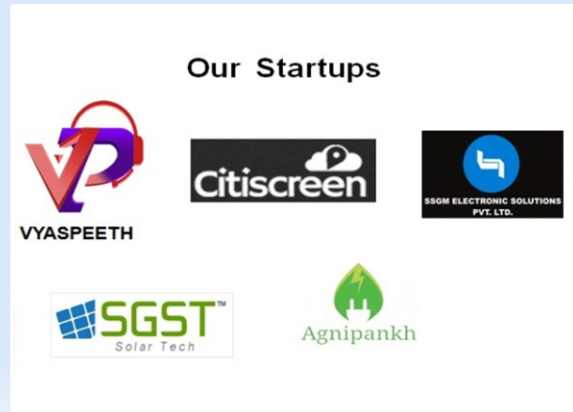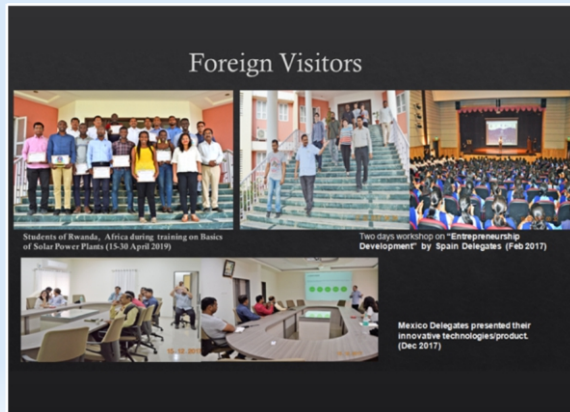

Central Library Services

- Online access to e books and e journals
- Online access to Library Information service through SLIM 27 software by internal members of the institute.
- Round the clock Internet/Intranet & Wi-Fi Connectivity.
- Network Resource Sharing Service.
- Computerized Library Information Services.
- Personalized Reference Information Services
- Reprographics Services at nominal rate (Xerox/Lamination/Binding)
- Inter-Library Loan & Lending Services.
- Providing book sets to all the students.
- Digital Learning Materials: DVDs, CDs, VCDs & Audio-   Video Cassettes.
- BAR CODE Services.
- Plagiarism Checker Software Facility.
- DELNET Membership - Access to Millions of Networked Library Resources through DELNET

Shri Gajanan Innovation and Advance Research Centre- Technology Business Incubator (SGIARC-TBI)

SGIARC is committed to provide state of the art facilities fostering invention and research activities which will translate into geologically balanced, economically viable product technologies and patents meant to uplift the society, developing tools and technologies to enable learning, creating "Entrepreneurs" with creative and innovative bent of mind, making developed knowledge and technology reach the end user, attaining self-sustainablity and competitive egde. Against this backdrop SSGMCE has promoted a Technology Business Incubator, named, SGIARC-TBI Foundation. The Incubator is catalysed and supported by National Science and Technology Entrepreneurship Development Board, DST, MSME and Govt. of India.

Fab Lab

PCBMilling Machine | Laser Cutting Machine | 3D Printer | Electronics Workbench
Soldering Station | DSO | | Other Electronics Measuring Instruments

Foreign Visitors

Students of Rwanda, Africa during training on Basics of Solar Power Plants (15-30 April 2019)

Two days workshop on "Entrepreneurship Development" by Spain Delegates (Feb 2017)

Mexico Delegates presented their innovative technologies/product. (Dec 2017)

Our Startups

VYASPEETH | Citiscreen | SSGM ELECTRONIC SOLUTIONS PVT. LTD.

SGST Solar Tech | Agnipankh

Entrepreneurship Development Cell

The institution has been sincerely working towards building job creators i.e. entrepreneurs than job seekers. Accordingly, number of programmes relating to entrepreneurship awareness and entrepreneurship development are conducted for the students in close collaboration with the Maharashtra Centre for Entrepreneurship Development (MCED), State Bank of India and Department of Science and Technology, New Delhi both with and without sponsorship.

Ultra Modern Auditorium & Seminar Hall

The college has ultra modern auditorium of seating capacity 1200 with balcony & Seminar hall of capacity 250.

Features include –

- Adequate pre-function Area
- State-of-the-art Interiors
- Acoustical treatment for Sound Control
- BOSE Sound System
- Centrally Controlled Lighting
- Centralized Air Cooling System

Sant Gajanan Tool Room (SGTR):

It is one of the pioneer Techno-Invention centres established for providing industrial exposure to the engineering students of the institute. It aims at developing promotional skill oriented technical education for the youth in India. It has ultramodern state-of-the-art tool room facilities under single roof. The centre offers various courses to cover a wide spectrum of technical human resources at post graduate level, degree level, diploma level and certificate level. Also it offers, world class manufacturing and inspection facilities to the nearby industries. SGTR has developed a collaborative Advance Welding Laboratory with Ador Welding Academy, Pune.

Faculty

A team of highly qualified, committed and experienced faculty members constitute the core strength of our institution. They are M.E. / M. Tech, MBA / PGDM, M. Phil, NET, SET and Ph.D from IITs, IIMs, NITs and other institutions / universities. The faculty members have many international and national publications; curriculum books' publication through reputed publishers to their credits and have also successfully completed many sponsored research projects and supervised doctoral research works. Many of our faculty members are recognized research supervisors, panel members of review committees, members on local enquiry committees of the University, program committee members of National and International Conferences and have filed provisional patents also. Almost all faculty members have the membership of different professional bodies like IEEE, ISTE, IE, IETE, CSI, ISME, SCRS, IACSIT, IAENG, ISCEE, SEM, SCRC, ISCEE, ISRD, IRED etc. Our faculty members have visited Canada, Nepal, Pakistan, China, UK, Japan, Maldives, USA, Singapore, and Germany for academic purpose.

Professional Membership

The Institution is associated with various Professional Organizations and Associations

- Institute of Electrical & Electronics Engineers, New York (IEEE)
- American Society of Mechanical Engineers, New York
- Society of Automotive Engineers (SAE)
- Computer Society of India (CSI)
- Institute of Electronics and Telecommunication Engineers (IETE)
- Institute of Engineers (IE)
- Indian Society for Technical Education (ISTE)

- Calcutta Mathematical Society
- Indian Academy of Sciences, Bangalore
- National Geographic Society
- Bombay Natural History Society
- Indian Society for Continuing Engineering Education, Roorkee (ISCEE)
- Indian Society for Training and Development (ISTD)
- Confederation of Indian Industries (CII)

Students Forum

Student forums provide unique opportunities for networking, mentoring and bonding over common interests. They provide support both within the student community and to local communities outside the institution by using their technical knowledge. Different programs like seminars, panel discussions, guest lectures, and workshops are organized constantly. Everything is planned and conducted by the students which help them explore their technical, interpersonal, methodological and analytical skills. It also addresses the initiatives of government of India in Digital India and Make in India.

Sr. No.	Associations / Chapters / Club…
1.	IEEE-Students Chapter
2.	ISTE – Students Chapter
3.	Students Council
4.	Society of Automobile Engineers (SAE)
5.	Electrical Engineering Students' Association (EESA)
6.	Information Technology Students Association (ITSA)
7.	Electronics and Telecommunication Engg. Staff and Students' Association (ESSA)
8.	Computer Science and Engineering Students Association (CSESA)
9.	Science World
10.	Renewable Energy Club (RE Club)
11.	Business Administration and Research Students Association (BARSA)
12.	Social Media Team
13.	Online Courses MOOC, NPTEL, etc.
14.	Spic Macay
15.	Career Guidance Cell
16.	Foreign Languages Club
17.	NCC
18.	NSS
19.	Yoga, Counseling & Psychotherapy
20.	Unnat Bharat Abhiyan
21.	E-Cell
22.	IIC MOE'S Innovation Cell
23.	Library NDLI Club
24.	Toastmaster Club
25.	ELITE DSA Community
26.	Discussion Club
27.	Jamming Club

Training and Placement Cell

The institute has an exclusively independent Training and Placement Cell as a separate department to create and strengthen bridge between institute and industry/corporate bodies in the interest of student's trainings, internships, placements & enhancing various employability skills, as well as sabbatical trainings and certifications of faculty members.

Also, T & P Cell consistently assists pass out but non-placed students of institute whenever such opportunity exists for at least one year.

We, T & P cell and Departmental T & P Co-ordinators Faculty members, work as a team to place the students and believe in the truth **"Teamwork is More Important than Ever"**.

Apart from On-Campus/Off-Campus Drives, T&P Cell carries out following activities on regular basis:
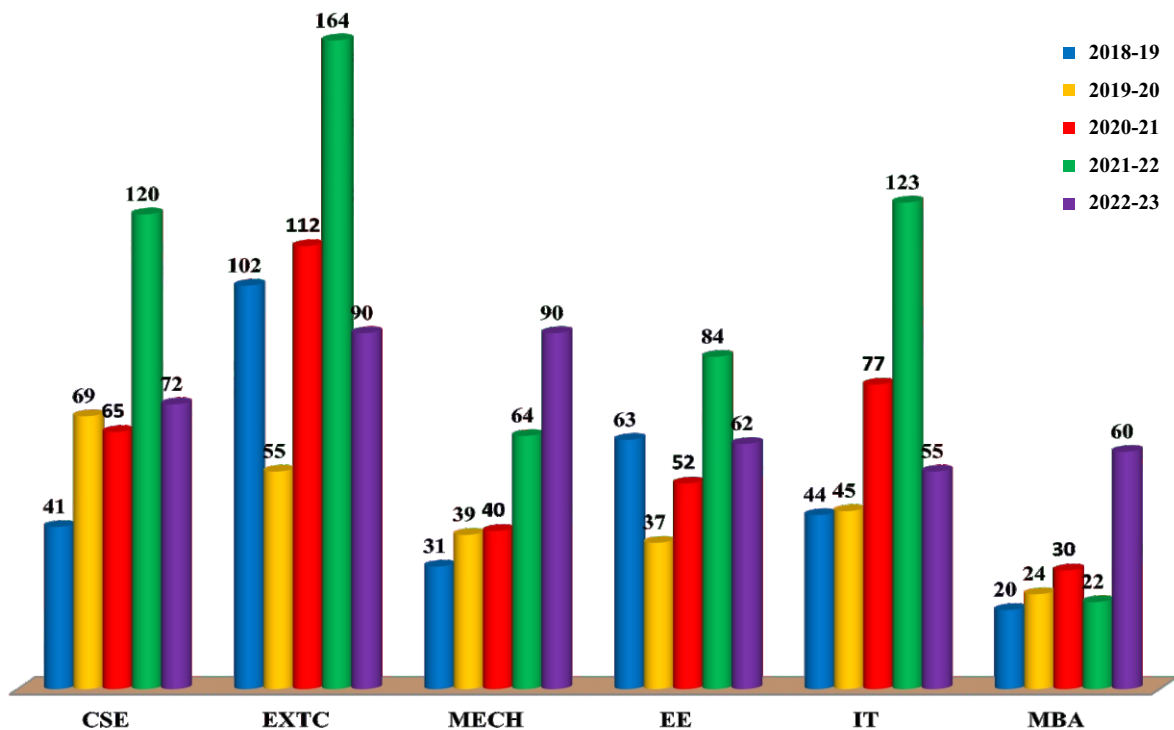
- Aptitude Preparatory Classes and Mock Tests

- Soft Skill Development Sessions

- Mock Technical & HR Interviews

- Resume Building Sessions

- Foreign Language Classes

- Seminars & Webinars by Industry Experts, Alumni Interactive Sessions and Pre-placement Counseling Sessions

Our Major Recruiters

Placement Statistics of Previous Five Years

Legend:
- 2018-19
- 2019-20
- 2020-21
- 2021-22
- 2022-23

CSE: 41, 69, 65, 120, 72
EXTC: 102, 55, 112, 164, 90
MECH: 31, 39, 40, 64, 90
EE: 63, 37, 52, 84, 62
IT: 44, 45, 77, 123, 55
MBA: 20, 24, 30, 22, 60

Hostel Facilities

SSGMCE aims at ensuring all round development of the students by which we discover the innate ability, encourage and develop creative talent in the congenial atmosphere.

We also take great care of the welfare of our students. It has eight multistoried hostels. Accommodation includes two-bedded, three-bedded rooms with spacious dining halls to serve nutritious food. Other facilities include wardrobes, water coolers with RO purifier, prayer hall, community hall, guest room, warden office, Wi-fi, EPABX facilities and daily news papers with round the clock 24 hours security. The hostels are capable to accommodate about 85% of the students enrolled in the institution.

Swami Vivekanand Boys Hostel

Sant Dnyaneshwar Boys Hostel

Adya Shankaracharya Boys Hostel

Sant Janabai Girls Hostel

Hostels	No. of rooms
Swami Vivekanand Boys Hostel	125
Sant Guru Nanak Boys Hostel	64
Sant Kabir Boys Hostel	64
Adya Shankaracharya Boys Hostel	83
Sant Dnyaneshwar Boys Hostel	54
Sant Muktabai Girls Hostel	60
Sant Meerabai Girls Hostel	75
Sant Janabai Girls Hostel	103

Sant Muktabai Girls Hostel

Sant Meerabai Girls Hostel

Sant Guru Nanak & Sant Kabir Boys Hostel

Sports and Fitness

The Physical Education Department has 18 acres of land for various Indoor and Outdoor Sports Activities to increase students' physical fitness and keep them healthy. It has an Indoor Badminton Stadium (500 capacity) with wooden flooring courts of International Standards, Hi-tech Gymnasium Centre, Skating ring, Table Tennis Hall, Chess, Carom, Yoga Hall, Two Handball courts, Two Volleyball courts, Football Ground, Three Lawn Tennis courts, Basketball court, Kho-Kho, Kabaddi play grounds, Cricket Field with Turf wicket and a cricket ground of international standard is in progress etc.

Campus Amenities

- 500 KVA Power Generation Units (D.G. Set.)
- 24 X7 Water Supply
- Air-Conditioned Guest House with 11 suites for guests, official visitors and parents Dispensary
- State Bank of India ATM facility
- Students' co-operative consumer stores Mess / Canteen - Run by Shri Sansthan on no-profit, no-loss basis
- Prayer, Yoga & Meditation Hall
- Round the clock security arrangements
- RO Plant
- Grid Connected 310 KW Solar Power Project

Admissions

SSGMCE follows a transparent mechanism for admissions to all UG & PG courses as per the norms and guidelines by Government of Maharashtra. The Competent Authority is the Directorate of Technical Education, Maharashtra State, Mumbai **www.dtemaharashtra.gov.in**. The candidates, seeking admission against the Institute Level seats, have to apply separately to the institute. For more details, visit **www.ssgmce.ac.in**
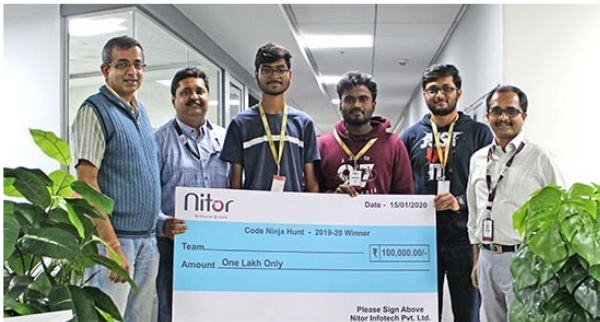
Results

Students of all the courses have been showing consistent outstanding performance in University Examinations securing distinctions, ranks and gold medals forming a lion's share in the University Merit-list.

Students' Achievements & Awards

SSGMCE motivates and appreciates the youngsters by offering scholarships and awards every year. It includes Merit and GATE scholarships, financial assistance for project and research work, Sponsored funds for the needy students, Free Hostel and Mess facilities to needy students, Awards to GATE Scorers and Best Projects. Students of the college continuously participate in different activities and perform better, winning prizes and awards.

Alumni Association

Alumnus is the strength of any institute. The development cycle of any institute cannot be completed in the absence of Alumni. And to strengthen the bond between these two elements is the primary objective of Alumni association.

To do the same, Alumni Association keeps on organizing Alumni Meets frequently. Till date, a total of 22 meets have been organized. Also, since academic year 2014-2015, concept of Grand Alumni Meet has been started and till date a total of Six consecutive Grand Meets have been organized.

Grand Alumni Meet is a one day event in which various technical, motivational, discussion, brain storming and cultural sessions are arranged back to back. And a continuous interaction between Alumni faculty and student adds to the glory of event.

Various Objectives Fulfilled by Alumni Association:

- To Maintain Members Directory
- To Set-Up A Guidance Cell To Aid Present And Past Students
- To Assist Students In Availing Project Facilities
- To Help Networking Amongst The Alumni

Community Activities

The institute owes a great deal to its community for its support and bearings in its growth and development. It therefore endeavors to strengthen and ignite the community for a prosperous future. The institute celebrates National Youth Day on Swami Vivekananda Jayanti on 12th January every year involving students and staff of all local schools and colleges through a range of youth activities and programmes including 'Jyoti March' and culminating with Mahaprasad.

It generously extends infrastructural, financial and manpower support to hold programmes by the community and its associations / bodies such as Bankers' meet, Doctors' meet, Officers' meet, Panchayat Samiti Conclave, Adult Education Seminar, Hindi Diwas, Sahjivan Shibir etc. These activities help the members of the institute get closely knit with the community and inspire them for healthy community living.

Extra Curricular and Co-curricular Activities

Students are motivated to participate at the University, State and College level extra Curricular and Co-curricular Activities. The students are encouraged to participate in NSS (250 Volunteers), NCC (54 cadets Corps), Blood Donation Camps and also to organize functions like Culfest (Annual Cultural Gathering), Ganesh festival, Saraswati Poojan, Dahi-Handi, Tattwadarshi (Annual e-magazine) etc. In addition, they take initiatives in organizing In-house seminars, panel discussions, guest lectures, workshops, Engineer's day, Science day, Management day, Teacher's Day, Freshers' Day, Farewell Programme, Yoga classes, Personality development programmes, Soft Skill and religious discourses etc.

Staff Activities

Faculty and Staff lay the core foundation of our institute who apart from their intellectual capital, draw strength from the familial bond prevalent amongst them due to incessant support, encouragement and sponsorship from the institute for the programmes and activities integrating them, their children and families with the overall system. These include daily community prayer in the evening, a celebration of Gajanan Maharaj Pragat Din and Samadhi Din with participation in Dindi and Community Mahaprasad, Gajanan Bal Mandali Ganesh Festival, Rangpachami and other auspicious celebrations of families.

Guiding Spirits Behind

Our college is frequently blessed by the benign presence of eminent scholars and dignitaries of national and international repute during various events and occasions.

This inspires the students and faculty community to dream of achieving intellectual heights in their lives and makes the campus vibrant.

Innovative Practices

Spiritual Practices

- Prayer Halls in Hostels
- Daily Classroom Prayer on Campus-wide Audio System
- Community Prayer Hall
- Yoga Classes
- Shiv-Darpan Library (Managed by Hostel Inmates)
- Meditation before Commencement of Classes

Students / Community Practices

- Financial Assistance to Students
- Industry Institute Connect
- Earn and Learn
- Festival Celebrations
- Personality Development Camp
- Nadbramha (Musical Instruments and Vocal Teaching-Learning by Music Teacher)
- Community Development and Extension Services
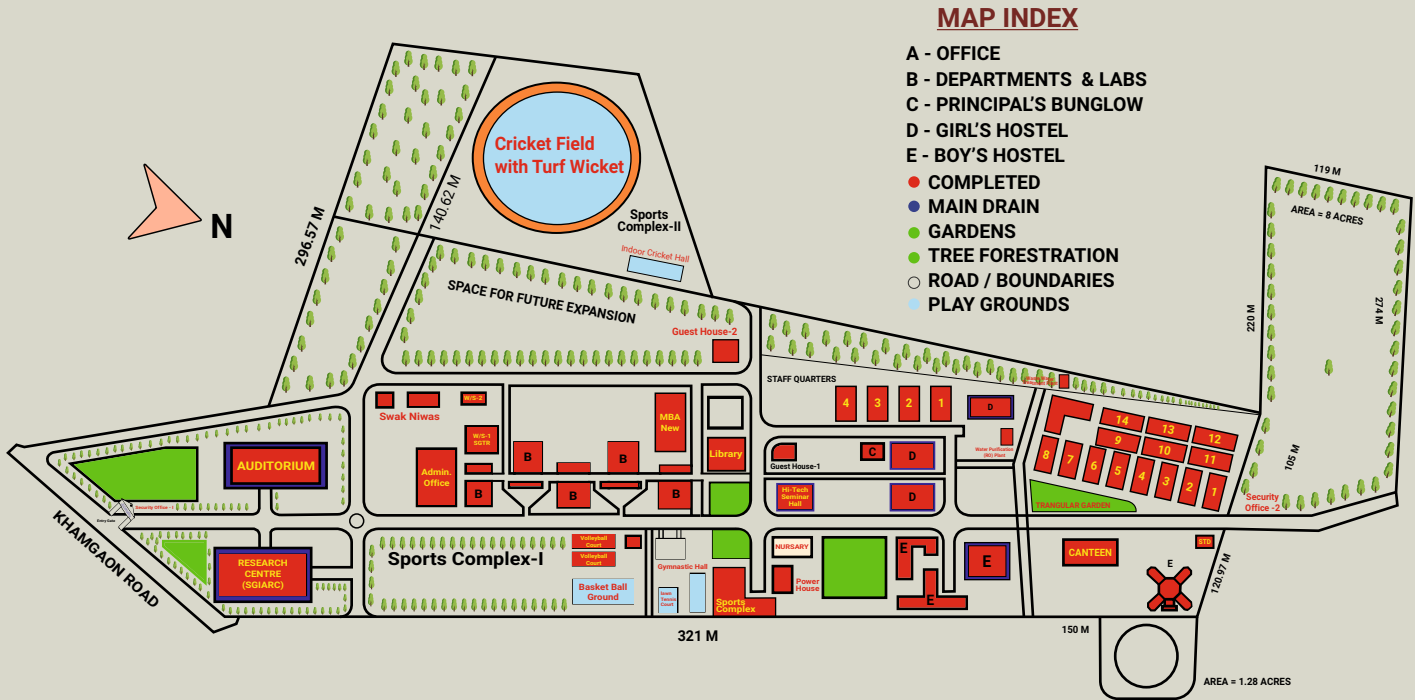
Traditional Technology for Self- reliance

- Renewable Energy Park
- Recycling of Waste
- Printing Section
- Drip Irrigation
- Rain Water Harvesting
- R.O. Plant

Environment Friendly Living Practices

- Lush Green Campus
- Sewage Water Recycling
- Use of Solar Energy
- Pollution Free and Clean Campus
- Barrier Free Environment

Campus Layout Plan

TOTAL AREA 82 Acres

MAP INDEX

A - OFFICE
B - DEPARTMENTS & LABS
C - PRINCIPAL'S BUNGLOW
D - GIRL'S HOSTEL
E - BOY'S HOSTEL
● COMPLETED
● MAIN DRAIN
● GARDENS
● TREE FORESTRATION
○ ROAD / BOUNDARIES
● PLAY GROUNDS

N

Cricket Field with Turf Wicket

Sports Complex-II

Indoor Cricket Hall

SPACE FOR FUTURE EXPANSION

Guest House-2

STAFF QUARTERS

Swak Niwas

AUDITORIUM

Admin. Office

MBA New

Library

Guest House-1

Hi-Tech Seminar Hall

RESEARCH CENTRE (SGIARC)

Sports Complex-I

Volleyball Court

Gymnastic Hall

Basket Ball Ground

Sports Complex

NURSARY

Power House

TRIANGULAR GARDEN

Security Office -2

CANTEEN

STD

296.57 M
140.62 M
KHAMGAON ROAD
119 M
AREA = 8 ACRES
274 M
220 M
105 M
120.97 M
321 M
150 M
AREA = 1.28 ACRES

How To Reach Shegaon?

Air Route

- Delhi - Mumbai - Aurangabad, Bangalore- Mumbai- Aurangabad (nearest airport) Shegaon is 225 Kms. About 4 hours train journey from Aurangabad

- Delhi-Nagpur, Chennai- Nagpur and Kolkata-Nagpur. Shegaon is 300 Kms. from Nagpur, about 6 hours by road or 4.30 hours by train

Railway Route

- Delhi- Bhusawal and Bangalore- Bhusawal; Shegaon is 120 Kms. About 2 hours by train from Bhusawal

- Mumbai - Bhusawal - Shegaon on the way towards Nagpur

- Kolkatta- Nagpur- Shegaon on the way towards Mumbai / Ahmedabad

- Chennai - Nagpur - Shegaon on the way towards Mumbai / Ahmedabad

Road Route

- Bhusawal – Shegaon (120 Kms, 3 hours journey)

- Aurangabad- Shegaon (225 Kms, 4 hours journey)

- Nagpur –Shegaon (300 Kms, 6 hours journey)

Shri Gajanan Shikshan Sanstha's

Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Khamgaon Road, SHEGAON-444 203, Dist. Buldhana, Maharashtra, India
Mobile: +91 8669 638 081/82
Email: principal@ssgmce.ac.in, registrar@ssgmce.ac.in

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