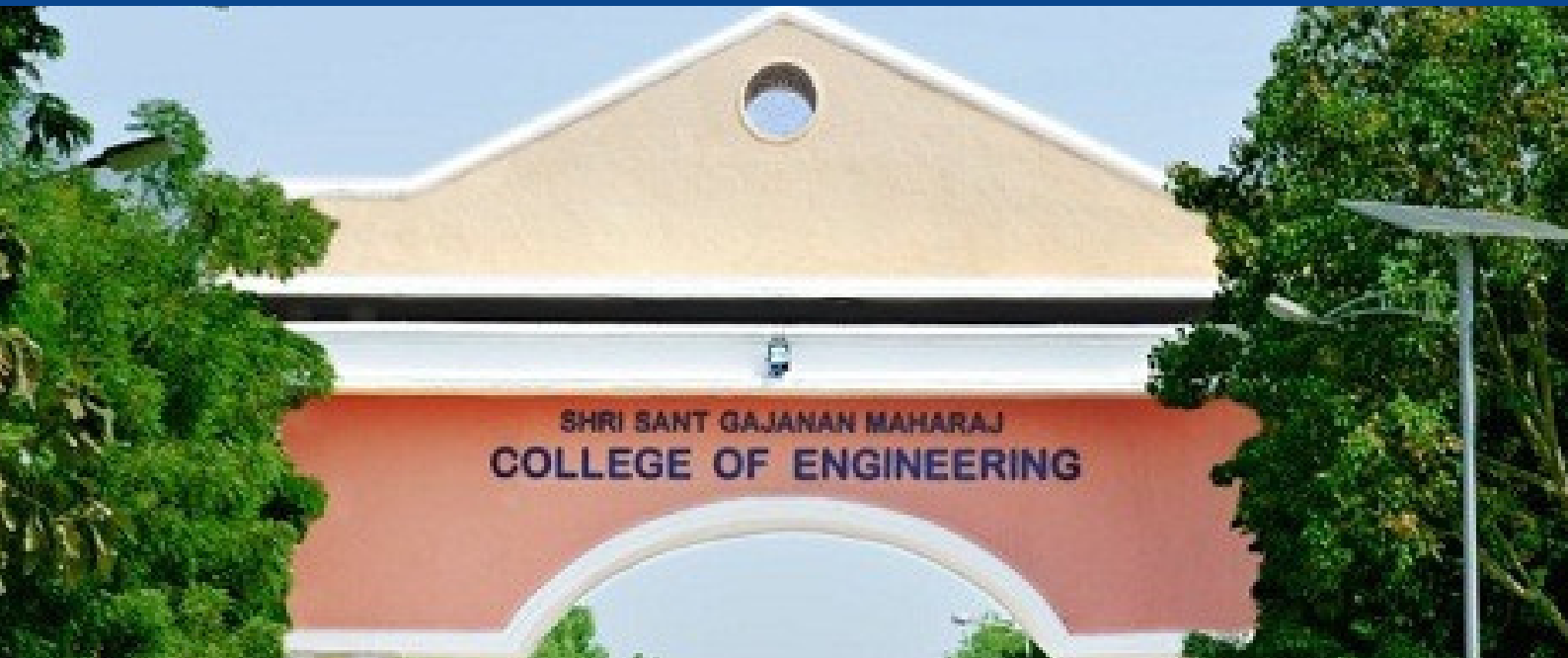


NEWSLETTER

— EDITION 10 VOL.1 —

2024-25



SSGMCE

VISION

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

MISSION

- M1: To develop excellent learning center through continuous interaction with Industries, R&D centers and Academia.
- M2: To produce competent, entrepreneurial and committed Electronics and Telecommunication Engineers.
- M3: To develop state-of-the-art infrastructure, centers of excellence and to pursue research of global and local relevance.
- M4: To inculcate ethical, spiritual and human values to serve the global society.

ABOUT DEPARTMENT

The Department of **Electronics and Telecommunication Engineering** is one of the major departments of **SSGMCE, Shegaon** established in 1983 offering programs: Under Graduate, Post Graduate and Ph.D. It is affiliated to Sant Gadge Baba Amravati University, Amravati, recognized by AICTE, New Delhi and approved by DTE, Maharashtra. The Undergraduate program of the Department of Electronics and Telecommunication Engineering has the recognition of being accredited 05 times by NBA, AICTE, New Delhi. The post graduate program was also accredited once by NBA, AICTE, New Delhi.

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.

Dr. D. D. Nawgaje

Head, Dept. of Electronics and Telecommunication Engineering.

VALUE STATEMENTS

1

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

2

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, power and organized.

3

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

4

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

5

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

WHAT WE VALUE AT SSGMCE

1) **Personal Excellence**

What it means? It is an ability to fully unleash and utilize one's potential in all walks of life. It is to improve your performance consistently and continuously so that you can improve every aspect of your life.

Key Behaviour Indicators:

- Knows one's passion, strengths & weaknesses.
- Has SMART goals in place.
- Setting benchmarks for self and raising them from time to time.
- Proactively engages in learning through networking with other universities & Industry related to your field of work across different countries.
- Steps outside of one's comfort zone to do something new & creative.
- Approaches situations with scientific mind set.
- Builds a trusted connection with a mentor and seek advice when needed.
- Be brand ambassador for SSGMCE to the external world.

Value Statement:

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

2) Accountability

What it means? Accountability is accepting responsibility for your actions and being willing to own the outcomes of your choices, decisions, and actions.

Key Behaviour Indicators:

- Takes responsibility for all work activities and personal actions;
- Follows through on commitments; implements decisions that have been agreed upon;
- Maintains confidentiality with sensitive information;
- Acknowledges and learns from mistakes without blaming others;
- Recognizes the impact of one's behavior on others.

Value Statement:

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

What it means? Trustworthiness is the ability of a person to be relied on as honest or truthful.

Key Behavior Indicators:

- Respect self and others.
- Walk your talk.
- Maintains confidentiality.
- Maintain consistency therefore they are reliable and resourceful to the people.
- Keep promises/Commitments
- Value people's time and efforts.
- Express gratitude to their family, friends & co-workers; support and encourage them.
- Be positive and bring out the best in self & others.

Value Statement:

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

4) Holistic Development

What it means? Holistic development means development of a person in all dimensions : physical, Mental, Social, Emotional, and spiritual, to unleash his/her potential and is capable of facing the demands and challenges of personal & professional life.

Key Behaviour Indicators:

- Plans & Invests time in regular physical fitness exercise like sports, gymnastics, yoga.
- Plans & proactively invests time to update his knowledge & skills related to his personal & professional role.

- Plans & invests time in networking & meaningfully contributing to the relationships personally & professionally important through regularly communicating, sharing knowledge & resources., working in a team through coordination and cooperation., Understands and knows to manage emotions of self & others.
- Thinks beyond self and plans & invests time for community development.
- Engages in practices which are environment friendly. 5. Optimally uses natural resources like water, electricity.

Value Statement:

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

5) Creativity & Innovation

What it means? The ability to go beyond traditional ideas, rules, patterns, relationships, or the like, and to create meaningful value adding new ideas, forms, unconventional methods, interpretations etc.

Key Behavior Indicators:

- Develops new useful ideas/ approach / programs that prove to be effective.
- Thinks outside the box.
- Takes 'smart' risks including trying new and different ways to get work done.
- Embraces diverse perspectives to promote or nurture innovation.
- Generates and employs original ideas for tackling both simple and complex problems.
Fosters interdisciplinary / trans-disciplinary work.

Value Statement:

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

FACULTY PUBLICATIONS IN JOURNAL.

- **Dr. Neerja Dharmale** publish a paper on **Investigating Optical Properties of Pristine and doped Brookite TiO₂ for Photovoltaic Applications.**
- **Dr. Kamlesh Kahar** publish a paper on **Optimizing Optical Burst Switching Networks with Hybrid Deep Learning Models and Synthetic Data Integration.**
- **Dr. Kamlesh Kahar** publish a paper on **Nanomaterials Driving Sustainable Energy in Triboelectric Nanogenerators.**
- **Dr. Devesh D. Nawagaje** publish a paper on **Design of a model for multistage classification of diabetic retinopathy and glaucoma** at **International Journal of Informatics and Communication Technology (IJ-ICT)**, Vol. 13, No. 2, August 2024, pp.214-222, ISSN: 2252-8776, DOI: 10.11591/ijict.v13i2.pp214-222
- **Dr. D. D. Nawagaje** publish a paper on **Detection and Analysis of Plant Leaf Diseases using Artificial Intelligence** at **International Research Journal of Modernization in Engineering Technology and Science**, Volume:06/Issue:07/July-2024, e-ISSN: 2582-5208.

FACULTY PUBLICATIONS IN BOOKS.

- **Dr.S.P.Badar, and Dr.K.B.Khanchandani** publish a book on **Efficient Implementation of Polar Decoder: Design And Performance Analysis** at **Lecture Notes in Networks and Systems ((LNNS,volume 959)),Springer Nature Singapore, 2023.,01 December 2024.**
- **Mr. Vishwanath S. Mahalle, Mr. Narendra M. Kandoi, Dr. S.B. Patil, Mr. Abhij Banubakode and Mrs. Vandana C. Bagal** publish pages on **Enhancing Efficiency in Content Based Image Retrieval System Using Pre-trained Convolutional Neural Network Models** at "Page no-242-262 Published in a book "Artificial Intelligence, Machine Learning and User Interface Design" Edited by **Abhijit Banubakode, Sunita Dhotre, Chhaya S. Gosavi, G. S. Mate, Nuzhat Faiz Shaikh, Sandhya Arora.** ISBN-978-981-5179-61-3 (Print), eISBN-978-981-5179-60-6 (Online). DOI: 10.2174/9789815179606124010015 (Bentham Book- May-2024)"

FACULTY PUBLICATIONS IN CONFERENCE.

- **Mr. Amit N. Dolas** publishes paper on **Integrated AI and 6G Driven e-Health: Enabling Design, Challenges, and Future Prospects in 2024 IEEE Conference on Standards for Communications and Networking (CSCN 2024)** held at **Belgrade, Serbia**. 25-27 November 2024 DOI: 10.1109/CSCN63874.2024.10849692 ISBN:979-8-3315-0742-8 Electronic ISSN: 2644-3252
- **Dr. Manish N. Tibdewal** publish a paper on **Design and implement an IoT solution to address the challenges of remote patient monitoring and improve Healthcare** in the conference of **Flame-July 24, Noida, New Delhi**.
- **Dr. Manish N. Tibdewal** publish a paper on **Priority Based Congestion Controlling Mechanism for Wireless Sensor Network** in the conference of **Flame-July 24, Noida, New Delhi**.

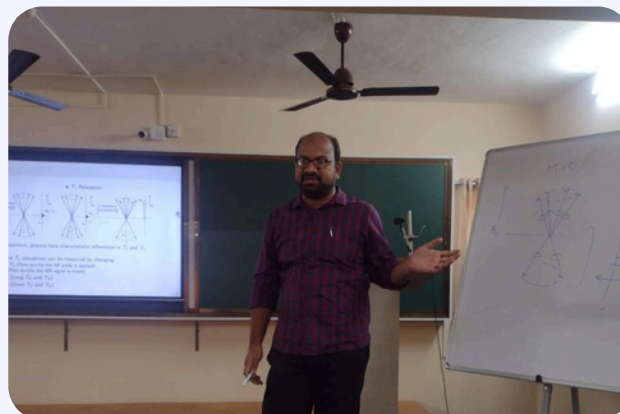
FACULTY ACHIEVEMENTS

Prof. Mrs. Komal Vyas is Topper in NPTEL Research Methodology course

Prof. Mrs. Komal Vyas is 1 % Topper in NPTEL NBA Accrediation and Teaching and Learning in Engineering course



Dr. M.N. Tibdewal and Dr. R.S. Mahamune received a grant of ₹3.5 lakhs from AICTE, Delhi to organize an ATAL Faculty Development Program (FDP) on “Biomedical Signal Processing and AI-ML Techniques for Healthcare Systems.”



STUDENT ACTIVITY

WORKSHOP

1) Canva Workshop

The **Canva Workshop** held on **3rd August 2024** at SSGMCE, Shegaon, was organized by the IEEE Bombay Section and facilitated by the **IEEE SSGMCE team**. 13 students participated and learned the basics of **graphic design using Canva**.



2) Chasing Calci Workshop



The **Chasing Calci Workshop**, conducted on **2nd October 2024** at SSGMCE, Shegaon, was organized by the IEEE Bombay Section and led by the **IEEE SSGMCE team**. A total of **183 students participated**, gaining insights into calculator shortcuts and engineering problem-solving techniques.

3) Robo Craft Workshop

The **Robo Craft Workshop** was held on **19th & 20th October 2024** at SSGMCE, Shegaon, organized by the IEEE Bombay Section and conducted by the **IEEE SSGMCE team**. 48 students participated, gaining hands-on experience in robotics fabrication and design.



• EVENTS

• First Year Orientation

The **First Year Orientation** held on **24th September 2024** was an introductory event for 120 newly admitted students of the department. Conducted from **1:00 PM to 4:00 PM** in the EXTC Seminar Hall, the session aimed to help students understand their academic journey, department structure, and available resources.

Dr. M. N. Tibdewal, Mrs. K. S. Vyas, and Dr. K. T. Kahar guided the students with valuable insights about the **curriculum, discipline, and opportunities available during the course**. The orientation served as a welcoming platform to ease students into college life and set expectations for the years ahead.



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