



DEPARTMENT OF **ELECTRONICS** AND
TELECOMMUNICATION ENGINEERING

2025-26

NEWSLETTER

EDITION 11 VOL.1

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
- M2: To produce competent, entrepreneurial and committed Electronics and Telecommunication Engineers.
- 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.



Dr. D. D. Nawgaje

ASSOCIATE PROFESSOR & HEAD
ELECTRONICS AND TELE-COMMUNICATION ENGINEERING
FUZZY LOGIC AND NEURAL NETWORK

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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, proper 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 Behaviour 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 Behaviour 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

- **Santosh B. Patil, Dhiraj P. Tulaskar** publishes a paper on **Design of Fractal-Inspired Quadband Microstrip Antenna for Multi-Standard Wireless Applications.** in IRECAP journal The publication detail are provided through this link <https://doi.org/10.15866/irecap.v15i3.26274>
- **Dhiraj P.Tuaskar, Shon G Neman** publishes a paper on **Recent Advances in Design and Optimization of Low Noise Amplifiers for Multistandard Receivers.** which is submitted on **Volume 73, Issue 7, July 2025.** The more detail about publication are provided on the website <https://www.isteonline.in/Datafiles/cms//2025//July-Sept%20Qly%20Issue.pdf>
- **Kamlesh Kahar** publishes a paper on **Nanotechnology-Driven Triboelectric Nanogenerators: Materials, Mechanisms, Applications, and Sustainable Pathways to Commercialization** at Journal of Electronic Materials, ISSN: 0361-5235, Volume 54, pages 10789–10823, (2025)
- **Dr. Neerja Dharmale, Dr. Rupesh Mahamune, Dr. Kamlesh Kahar and Mr. Amit Dolas** publishes a paper on **Classification of epileptic seizure using hybrid deep learning framework with time and time-frequency Hjorth features** at **Computer Methods in Biomechanics and Biomedical Engineering, Volume 29, 2026 - Issue 2**

FACULTY PUBLICATIONS IN CONFERENCES

- **Amit Dolas** publish a paper on **Exploring Reflecting Phases in RIS-Assisted Indexed Multiplexing for 6G IoT Applications** in conference of **2024 IEEE Globecom Workshops (GC Wkshps)** DOI: 10.1109/GCWkshp64532.2024.11101622 Electronic ISBN:979-8-3315-0567-7 Print on Demand(PoD) ISBN:979-8-3315-0568-4 Electronic ISSN: 2166-0077 Print on Demand(PoD) ISSN: 2166-0069

FACULTY PATENTS :

Dr. R. S. Mahamune, Dr. N. S. Dharmale, Dr. K. T. Kahar, publishes patent on **Markerless Vision-Based Knee Osteoarthritis Classification Using Machine Learning Integrated With Image Segmentation Techniques.** Application No.202521071391 A, Publication Date : 22/08/2025

FACULTY ACHIEVEMENT



Komal Thanvi has been elevated to the prestigious grade of **IEEE Senior Member** on 27 September 2025. This honor is awarded to only 10% of IEEE members worldwide and reflects extensive professional experience and significant achievements. **IEEE has offered a one-year Society membership opportunity along with referral certificates as a token of appreciation.** This milestone highlights her valuable contributions to the profession and to IEEE.

Mr. Vikas K. Bhangdiya was honoured with the **IEEE AISYWLC 2025 Award** for his outstanding dedication and contributions as an **Ambassador at the All-India Student, Young Professionals, Women in Engineering, and Life Members Congress (AISYWLC 2025)**



STUDENT ACHIEVEMENTS

Hrishikesh Murlidhar Kakade (4U2) got 2nd Prize at Aavishkar 2k25 and received Color coat from SGBAU AMRAVATI in Pure Science category



Ayush Ardak (4U2) & Akshay Pahurkar (4U2) got 1st Prize Athon Kabaddi matches at sipna collage Amravati



Rudresh Surendra Latare (3U1) received a Color coat from SGBAU AMRAVATI for Badminton



Advait Awaghade (4U1) got 3rd Prize in Drone Challenge at IIT Hyderabad

Atharva Raut (4U2) got 3rd Rank at Aavishkar 2k25 and received a Color coat from SGBAU AMRAVATI



Pratiksha Nachane (4u1) & Pratibha Ghogare (3U1) got 1st Rank in Vollyball matches at sipna college Amravati





Saurabh Khushal Gaikwad (4U2) got 2nd Prize in Aavishkar 2k25



Kanchan Khond (4U1) got Best Poster award in category Holistic Development at the Poster making competition on SSGMCE Values: "PATH-C"

Sakshi Vinod Bhojane (4U1) got Color coat from SGBAU AMRAVATI for Chess



Neha Bhut (4U2) & Shubhrata Mishra (3U2) got 1st Prize in Intercollegiate Chess Tournament



Meghana Sunil Narkhede (3U2) got 2nd Rank in Yoga Competition



Yash Santoshrao Raut (4U1) got 1st Rank in NCC CATC CAMP Extempore Competition





Anuja Krupal (2U1) got Best Poster award in category Creativity and Innovation at the Poster making competition on SSGMCE Values: "PATH-C"

Atharv Raut & Deep Rathod got 1st Prize at University Level, for table tennis match



Prathamesh Magar securing 1st prize in the Student Leadership Track at AISYWLC 2025



Congratulations to the **Electronics & Telecommunication First-Year Team** on winning the **PATH C Values Champions Trophy!** Your dedication, teamwork, and commitment to Personal Excellence, Accountability, Trustworthiness, Honesty, and Continuous Development are truly inspiring. This achievement reflects your unity, hard work, and positive spirit. Heartfelt appreciation to ESSA for their continuous guidance and mentorship.

STUDENT ACTIVITY :

1) THE TRAITORS:



THE TRAITORS, a fun event held by **ESSA** on 10 November 2025, 90+ students are participated where boys and girls team up for ultimate fun ,and enjoy the event with full of fun and joy make an unforgettable memories.

2) PCB Designing:

This technical workshop held by **IEEE** team on 20th September 2025 provided hands-on training in **Printed Circuit Board (PCB)** design. Participants were introduced to schematic design, component placement, routing techniques, and design rule. The session emphasized practical implementation and best practices in hardware design.



3) AI Workshop with Intel OpenVINO Toolkit:



This workshop held by **IEEE** on 24th July 2025 focused on **Artificial Intelligence and deep learning model** deployment using the Intel OpenVINO Toolkit. . The session included hands-on demonstrations and practical guidance on improving performance for AI-based applications by INTEL Certified Trainer.

4) Fusion 360 Workshop:



This two-day workshop held by **IEEE** on 22nd and 23rd November 2025 introduced participants to **3D modeling and product design** using **Autodesk Fusion 360**. Students gained hands-on experience in sketching, modeling, assembly design, and simulation. The session emphasized design thinking and practical applications in engineering and product development.

5) CALSI Workshop:

This workshop held by **IEEE** on 27th September 2025 to 28th September 2025 Workshop was conducted to **enhance students' understanding of core technical concepts and industry-relevant skills**. Participants engaged in expert-led sessions, interactive discussions, and technical problem-solving activities aimed at strengthening analytical and practical competencies.



6) Next Chapter:



The “**Next Chapter**” program was held on 4th October 2025 at Shri Sant Gajanan Maharaj College of Engineering, Shegaon and organized by **IEEE**. It guided students on **higher studies, career opportunities, industry trends, and personal development** to help them plan their future confidently.

7) STEM Workshop:

The **STEM Workshop**, held on **23rd August 2025** and organized by **IEEE**, aimed to promote **innovation and problem-solving skills** by integrating Science, Technology, Engineering, and Mathematics. Interactive sessions and practical activities encouraged students to explore interdisciplinary learning and real-world applications.



8) First Year Orientation Program:



The **First Year Orientation program** was conducted on **18 Sept 2025** from **1:00 pm to 4:00 pm** at the **EXTC Seminar Hall**. A total of **120 students** actively participated in the session. The program was guided by esteemed resource persons **Dr. D. D. Nawgaje**, **Mrs. Ashwini Deshmukh**, and **Dr. K. T. Kahar**. The session provided valuable insights about academics, college activities, and overall student development.

9) Incubation and Startup Opportunities for Early Stage Entrepreneur

The **ISTE Student Chapter** of **SSGMCE**, **Shegaon** organized this workshop in collaboration with **IIC** on **20th August 2025**. **Dr. Ajay V. Deshmukh** guided students on **incubation support, start-up opportunities, funding schemes, and entrepreneurial development**. A total of **149 third-year students** participated and gained valuable insights into building innovative business ideas.



10) Techno Mania



Techno-Mania was an interactive technical quiz held on **15 September 2025** during the First Year Orientation Program by **Team ISTE**. The event introduced freshers to the institute's technical culture through fun and engaging quiz rounds. It encouraged **teamwork, quick thinking, and active participation** while enhancing basic technical knowledge.

11) Expert Lecture on Mastering Mendeley

Team ISTE, Shri Sant Gajanan Maharaj College of Engineering, Shegaon, organized an expert lecture on **“Mastering Mendeley”** on 25th September 2025 by **Dr. Kamlesh T. Kahar**. The session explained **how to use Mendeley for organizing research papers, managing references, and generating citations**. It was highly informative and helpful for students and faculty involved in research and academic writing.



12) Awareness Program on Research Paper Writing



An awareness program on **Research Paper Writing** was organized by the **ISTE** at **SSGMCE**, Shegaon, on 26th September 2025. **Dr. Kamlesh T. Kahar** and **Dr. Rupesh S. Mahamune** guided students on **research paper structure, journal selection, plagiarism avoidance, and the publication process**. The session encouraged research culture and provided practical knowledge for publishing quality research papers.

13) Need of Electronics as an Automation in Industry

The workshop on “Need of Electronics as Automation in Industry” was conducted on 19th November 2025 by **Sanjay Chaudhary, Director of Electronics Study Centre**. The session highlighted the importance of electronics in industrial automation and modern manufacturing processes. Students gained insights into real-time applications, career opportunities, and the future scope of automation in industry.



AWARDS:



**IEEE India Council Outstanding Student Branch
Award 2025
Presented to SSGMCE College of Engineering for
Outstanding All-Round Performance at INDICON
2025**

TWO COMMITTEE MEMBERS FROM OUR DEPARTMENT
WERE SELECTED TO ATTEND AND REPRESENT THE IEEEESB
SSGMCE AT AISYWLC 2025, HELD IN AHMEDABAD FROM
31/10/25 TO 02/11/25.



PRATHAMESH MAGAR (3U1)



DIGVIJAY SHINDE (2U1)

PLACEMENT DATA OF ELECTRONICS & TELECOMMUNICATION ENGINEERING DEPT. 2025

SR. NO.	NAME OF COMPANY	DATE	NO. OF STUDENTS PLACED	NAME OF STUDENTS	PACKAGE OFFERED IN LAKHS P.A
1	FOX SOLUTIONS PVT. LTD., NASHIK	31/10/2025	1	1.PAVAN TAYWADE	4.02
2	BRISTLECONE INDIA LTD., MUMBAI	29/10/2025	1	1.SHRUTIKA VIR	5.00
3	TCS LIMITED, NAGPUR	12/11/2025	5	1.GAURI MANKAR 2.OMIKA CHOUDHARY 3.PRANJALI DAMDHAR 4.SANKET NAGE 5.SNEHA MAHALE	3.48
4	TECHWALNUT INNOVATION LLP, NAGPUR	1, 2/12/2025	2	1.SNEHA MAHALE 2.SOHAM BHOLE	4.00
5	HCL TECH, NAGPUR	24/11/2025 & 8/12/2025	1	1.SAKSHI KALAMB	3.75
6	LLOYDS METAL & ENERGY LTD., CHANDRAPUR	29, 30/12/2025	2	1.ABHISHEK DHANOKAR 2.VIDHI BHADE	3.00

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