

NEWSLETTER

EDITION 9 : VOLUME 1

2023-24

#S.S.G.M.C.E.

VISION

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

MISION

- 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 department 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. Accredited by NBA 5 Times (Currently Accredited for 06 years 01-07-2019 to 30 06-2025)

Dr. M. N. Tibdewal
Professor & 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, 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:

1. Takes responsibility for all work activities and personal actions;
2. Follows through on commitments; implements decisions that have been agreed upon;
3. Maintains confidentiality with sensitive information;
4. Acknowledges and learns from mistakes without blaming others;
5. 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:

1. Respect self and others.
2. Walk your talk.

3. Maintains confidentiality.
4. Maintain consistency therefore they are reliable and resourceful to the people.
5. Keep promises/Commitments
6. Value people's time and efforts.
7. Express gratitude to their family, friends & co-workers; support and encourage them.
8. 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:

1. Plans & Invests time in regular physical fitness exercise like sports, gymnastics, yoga.
2. Plans & proactively invests time to update his knowledge & skills related to his personal & professional role.
3. 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.
4. Thinks beyond self and plans & invests time for community development.
5. Engages in practices which are environment friendly.
6. 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:

1. Develops new useful ideas/ approach / programs that prove to be effective.
2. Thinks outside the box.
3. Takes 'smart' risks including trying new and different ways to get work done.
4. 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 PUBLICATION

1. V. M. Umale publish a paper on Smart LPG Gas Level Monitoring and leakage Detection System using IoT in IEEE National Students' Conference on Innovation In Rural Development organized by IEEE Students' Branch INSCIRD-2023, Shri Sant Gajanan Maharaj College of Engineering, Shegaon held on 20th - 21st April 2023.
2. Shruti Singhaniya, V. M. Umale, Shreya Pandey, Gayatri Kungade, Abhishek Jaiswal, Yash Saiwal publish a paper on Design and Development of Water Ionizer in IEEE National Students' Conference on Innovation In Rural Development organized by IEEE Students' Branch INSCIRD-2023, Shri Sant Gajanan Maharaj College of Engineering, Shegaon held on 20th - 21st April 2023.
3. Neerja Dharmale , S. Chaudhury , Rupesh Mahamune publish a paper on Application of OLCAO-GGA and OLCAO-MGGA Techniques for investigating properties of TiO2 in 3rd International Conference on Emerging Electronics and Automation (E2A-2023) organized by Department of Electronics and Instrumentation Engineering, National Institute of Technology Silchar, Assam, India on 15th to 17th December 2023.
4. Rupesh Mahamune, S. H. Laskar, N. S. Dharmale publish a paper on The multi-scale wavelet approach for the removal of eye-blink artifact from EEG Signals 3rd International Conference on Emerging Electronics and Automation (E2A-2023) organized by Department of Electronics and Instrumentation Engineering, National Institute of Technology Silchar, Assam, India on 15th to 17th December 2023.
5. Harshavardhan Patil, mohit rathi, vishakha Wankhade, Mrunal Darokar, Yash Wankhade, and Dr. Neerja Dharmale publish a paper on Elevating Canteen Management with a Modern Web Solution in 2024 IEEE International Students Conference on Electrical, Electronics and Computer Science .
6. S. P. Badar and K. Khanchandani, publish a paper on Analyzing Polar Decoding Approaches : A Comparative Study Journal of VLSI Design and Signal Processing , 9(3) , 2023 (e-ISSN: 2581-8449)

7. S. P. Badar and K. Khanchandani, publish a paper on Efficient Implementation of Polar Decoder: Design and Performance Analysis 3rd International conference on "Computational Electronics for Wireless Communications" held at NIT Jalandhar during December 22-23, 2023.
8. Rupesh Mundhada, Dr D.D. Nawgaje publish a paper on Statistical Analysis of Retinal Image Processing Techniques from an Empirical Perspective The Indian Journal of Technical Education, September 2023, Volume 46, page no. 196-204
9. Rupesh Mundhada, Dr D.D. Nawgaje publish a paper on U-Net-based gannet sine cosine algorithm enabled lesion segmentation and deep CNN for diabetic retinopathy classification Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization.
10. Rupesh Mundhada, Dr. D. D. Nawgaje publish a paper on MDLGO: Integrated Multimodal Deep Learning Framework for Enhanced Precision in Glaucoma Diagnosis Using OCT A-scans International Conference on Emerging Smart Computing & Informatics 2024
11. Rupesh Mundhada, Dr D.D. Nawgaje publish a paper on IQMSDRG: Design of an Iterative Q Learning Model for Multistage Classification of Diabetic Retinopathy & Glaucoma from Fundus Scan International Journal of Informatics and Communication Technology (IJ-ICT)

12. Vijay Tripathi, M.N. Tibdewal publish a paper on A survey on Motion Artifact Correction in Magnetic Resonance Imaging for Improved Diagnostics Springer's Nature, SN Computer Science Feb.2024



FACULTY ACHIVEMENTS

- Dr. M. N. Tibdewal elevated as Senior IEEE Member.
- Ms Komal Vyas(Thanvi) received award and certificate under category WIE VOLUNTEER OF THE YEAR by IEEE Bombay Section.
- Mr. Swapnil P . Badar received Elite Certificate with Silver Medal for NPTEL Online Certificate course on VLSI Design Flow : RTL to GDS



STUDENTS ACHIEVEMENT

Mr. Rajat patil & Ms. Janavi G. Patil participated in IEEE Techovation 2024 and got first prize of Rs. 5000/- in District level Competition and shotlisted for state level Competition conducted by IIT Powai Bombay .

BEST PROJECTS AWRDED BY DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Sr. No	Title of Project	Award / Reward	Name of Student	Name of Guide
1	Design and implementation of smart Spectacle for blind people	1st Rank	1. Adnan Akbani 2. Ku.Aknasha Senad 3. Ku.Payal Talmale	Dr.SB.Patil
2	Desin and development of seed spreyder mechanism for UAV	1st Rank	Lokesh Hiwarkar	Mr.Vikram S Ingole
3	E-Notice board	2nd Rank	Jaanhvi Patil Rajat Patil	Dr.M.N.Tibdewal
4	Smart Composite Machine	2nd Rank	1. Saumitra Digambar 2. Tushar Hadge 3. Anantkumat Patil 4. Gaurav Dudhkohale	Mr.SP.Badar

WORKSHOPS



PCB DESIGN WORKSHOP

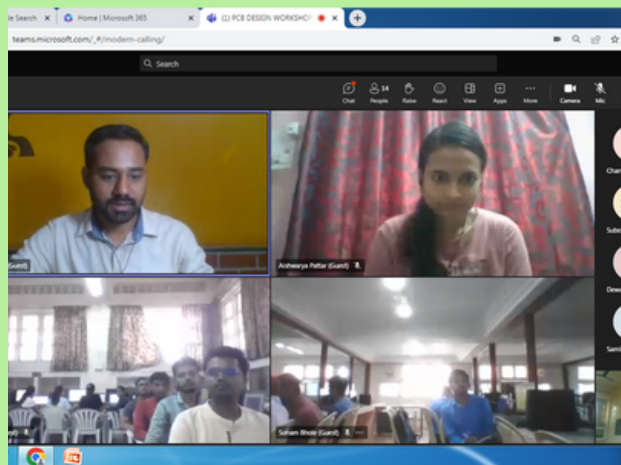
- Third year students of Electronics and telecommunication engineering, Shegaon participated in Design, Fabricate & Program an ESP 8266 Microcontroller board workshop on 8th March to 11th March 2024 organized by Electronics and Telecommunication Engineering in association with FABLAB SSGMCE. Workshop Conducted by Industry resource person Mr. Shreyas Shah and Mr. Vikram S. Ingole (Faculty member) No. of Students Participated – 68.
- Workshop on ELECTROFIESTA Date:15 /03/2024 Beneficiary/Participant : 18 students Organized by:By ESSA Student Branch in association with IEEE Comsoc and IEEE WIE, SSGMCE.

STUDENTS PLACEMENT

- 55 students got placement till date.

GATE QUALIFIED STUDENTS

Sr. No	Name of student	Class	Valid Score	Category
1	Rajat Kiran Patil	4U1	27	OBC
2	Vaishnavi Prashant Asole	4U1	25.33	OPEN
3	Abhishek Anand Dhote	4U1	25.67	OBC
4	Tarun Dhote	4U1	18	SC
5	Sahil Mathrukar	3U2	23	OBC



ONLINE PCB DESIGN WORKSHOP

- Hand's On Workshop on PCB Design using EasyEDA Tools on 30th Sep to 1st Oct 2023 conducted by Mr.Vaibhav Sungandhi Founder & CEO EARTKEY Innovations. Pvt. Ltd, Ms.Aishwarya Pattar ,Senior software Engineer at APTIV. No. of Students Participated – 251.
- Workshop on Arduino Mastery conducted on Date :13-14/03/2024 Organized by : By ESSA Student Branch in association with IEEE Comsoc and IEEE WIE, SSGMCE. Beneficiary/Participant: 18 students
- Workshop on Secret of Canva 2.0 Date : 08th October 2023 Beneficiary/Participant: 29 students Resource Person : By ESSA Student Branch Organized by : IEEE Student Branch, SSGMCE.
- Workshop on Robotics Date : 20-22nd October 2023 Beneficiary / Participant : 74 students Resource Person : Mr. Shrikant Shitre Organized by : IEEE Student Branch, SSGMCE.



- **Ms. Arya Chandrawanshi** secured scored 96/120 in TOFEL and cleared GRE

- Dr. M. N. Tibdewal (HOD) and Mr. KT. Kahar (Project Coordinator) and Prof. S. P. Badar (T & P Coordinator) have addressed to Project orientation and carrier guidance program conducted for second and third year students by department of electronics and telecommunication engineering.



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