



Department of Electronics and Telecommunications Engineering
Newsletter " : Pulse "



MGM's College of Engineering, Nanded
Department of Electronics and Telecommunication Engineering

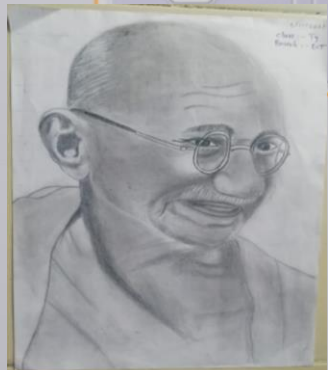
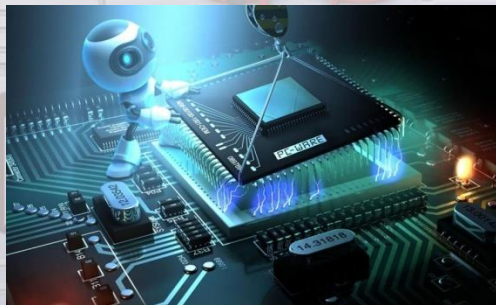
Biannual Newsletter July– Dec 2022



5G

Editor: **Ms. M. R. Banwaskar**

Student Editors: **Ms. Renuka Magar, Mr. Martand Pangrekar**





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MGM's College of Engineering, Nanded
Department of Electronics and Telecommunication Engineering

VISION

To be one of the leading departments for Electronics and Telecommunication Engineering to develop proficient Electronics Engineers with global acceptance in the service of mankind

MISSION

M1: Promoting academic excellence in Electronics and Telecommunication engineers through experiential learning and industry engagement, focusing on Communication Engineering, VLSI, Embedded Systems and Internet of Things (IoT) for global competitiveness.

M2: Inculcating professionalism, innovation, teamwork, and ethical values in 5G Technology, Artificial Intelligence & Machine Learning, Green and Sustainable Technology, and Biomedical Electronics for the benefit of Society and Industry.

M3: Elevating student employability through hands-on programming education and cultivating a robust collaborative network with industry, academic experts, alumni, and student projects.

M4: Empowering faculty with continuous training in AIML, Medical Image Processing, Signal Processing, and Pedagogy to improve student learning and research productivity.



Program Educational Objectives (PEOs):

Graduates of Electronics and Telecommunication employed will:

PEO 1: Examine semiconductor device physics and enhance skills in advanced modeling and simulation using computational methods.

PEO 2: Master signal and Image processing principles as a core skill and specialize in designing embedded and VLSI systems.

PEO 3: Keep up with cutting-edge research in Signal and Image Processing, Communication systems and IoT.

PEO 4: Foster an academic environment that emphasizes excellence, leadership, and ethical standards in students, equipping them with lifelong learning skills and essential research components for a successful professional career.

Program Specific Outcomes (PSOs):

Graduates will be able to:

PSO 1: Employ modern tools to model, simulate, experiment with, and analyze the performance of Electronics and Telecommunication systems.

PSO2: Address economic, social, environmental, ethical, health and safety issues keeping in pace with latest technological concepts.

PSO3: Drive need-based innovations in Electronics Telecommunication Engineering, and fostering ‘Make in India’ through an understanding of finance management and entrepreneurship product development.



FACULTY PUBLICATIONS

Name of Authors	Title of Book	Publisher with year	ISBN No.
Dr. K. C. Jondhale, Dr. L. M. Waghmare	Human Face Recognition using FSVD and RBF Neural Network	LAP LAMBERT Academic Publishing, UK, 06-06-2022	ISBN -13: 978-620- 4-97873-4, ISBN - 10: 620-497873-4, EAN: 9786204978734

Sr. No.	Name of Authors	Title of Paper	Journal/Conf. name
1	M. A. Manjramkar, Dr. K. C. Jondhale.	Cyber security using machine learning techniques, In Advances in computer science research (pp. 680-701). https://doi.org/10.2991/978-94-6463-136-4_59 Dec 2022	Proc. of the Int. Conf. on Applications of Machine Intelligence and Data Analytics 2022, Springer Nature.
2	A.J. Kadam, Dr. K. C. Jondhale	Design of framework for multi-objective workflow planning for IaaS platform in cloud environment, V.6 (S1), 29-04-2022.	Int. Journal of Health Sciences
3	A.J. Kadam, Dr. K. C. Jondhale	Design of Framework for Aggregate Key Sharing Mechanism in cloud environment 41, No.5, 2022-05-04	Journal of Optoelectronics Laser
4	M. R. Banwaskar, Dr. A. M. Rajurkar	An Efficient Flower Classification System using Feature Fusion	Int. Journal of Engineering Trends and Technology, vol. 70, no. 11, pp. 70-80, 2022.



STUDENT CORNER

Electronics Technocrats Association (ETA)

Beyond classroom, laboratory and academic experience, our student club ETA is a platform for holistic development of a students with opportunities to explore interests, groom hidden talents, meet and network with other students, interact with experts and to grow technically, professionally and personally. ETA is dedicated to fostering both technical and personal growth among students. Through a blend of technical workshops, seminars, hands-on projects, and competitions, ETA aims to enhance the engineering expertise of its members. In addition to technical development, the club places a strong emphasis on communication skills and teamwork. Regular events like group discussions, presentations, and collaborative challenges are organized to build leadership, creativity, and cooperation. ETA serves as a platform where students can explore emerging technologies, network with professionals, and apply classroom knowledge in real-world scenarios. By promoting a culture of innovation and learning, the club helps students transition into industry-ready technocrats.

Objectives of ETA:

To organize:

- Expert Lectures by Academicians, Alumni, industry experts
- Project Competitions, Debate competitions, Quiz
- Poster presentation, sketches, painting competitions
- Workshops, seminars, webinars
- Career guidance sessions
- Social activities, Campus Connect activities

In order to plan and execute various activities, ETA Council is formed in each academic year. It consists of Vice-president, Secretary, Treasurer, coordinator, Event Head and board members. Depending on student interest and capability, the selection of ETA council members is done.



ETA Council 2022-23

No.	Name	Class	Position
1	Ms. Renuka Magar	B. Tech. Final	Vice-President
2	Martand Pangrekar	B. Tech. Final	Secretary
3	Shrutika Gundawar	T. Y.	Treasurer
4	Poornima Bamne	B. Tech. Final	Coordinator
5	Shrutika Gundawar	TY	Technical Event Head
6	Sanskar Kotalwar	TY	Board Member
7	Shreya Zarkar	TY	Board Member
8	Shweta Suryawanshi	TY	Board Member
9	Shambhavi Chandajkar	SY	Board Member
10	Nagesh Kharat	SY	Board Member
11	Dachawar Rudrani Ram	SY	Board Member
12	Boga Aarti Narsing	SY	Board Member
13	Sanskriti More	SY	Cultural Event Head
14	Purushottam Sing	B Tech Final	Coordinator
15	Avinash Rathod	SY	Coordinator

Ms. Mangal R. Banwaskar
ETA- Coordinator

Dr. Kalpana P. Paithane
President, ETA



ETA Activities

No.	Activity	Date	Participants
1	Poster Presentation (Theme: Independence Day)	14 th Aug. 2022	All students
2	Teachers Day Celebration	5 th Sept. 2022	All Students
3	Engineers Day Celebration	15 th Sept 2022	All Students
4	“Yoga and Meditation for improving Cognitive Abilities” Resource persons: Dr. R. R. Manthalkar & Dr. S. Gajare, SGGSI&T, Nanded	19 th Sept. 2022	All Students and Faculty
5	Social Activity: Visit to Suman Balgriha for interaction with girls	1 st Oct. 2022	B. Tech. Final Girls
6	Gandhi Jayanti Celebration (Blood Donation Camp)	2 nd Oct 2022	SY, TY students
7	World Student Day Celebration	15 th Oct. 2022	All Students
8	Wall Magazine Display	17 th Oct. 2022	SY, TY Students
9	Mini project Exhibition	29 th Dec. 2022	TY Students

Poster Presentation

ETA organized a Poster Presentation activity on Independence Day, celebrating the theme of "Innovation and Patriotism." Students showcased their creativity and technical knowledge through vibrant and informative posters. Topics ranged from historical milestones in India's independence to modern technological advancements contributing to the nation's growth. The event fostered a spirit of teamwork and patriotism among students, encouraging them to think critically about India's progress. Faculty members praised the students' efforts, highlighting the importance of integrating technical education with national pride.

The Poster Presentation saw a remarkable display of creativity as students worked in teams to design and present posters that were not only visually appealing but also rich in content. The topics they chose were diverse and thought-provoking, covering a wide spectrum of ideas. Some students delved into the historical milestones that have shaped India's journey to independence, highlighting key figures, events, and movements that played pivotal roles in securing the nation's freedom.

Faculty members praised the creativity and depth of understanding displayed in the posters, noting that the event successfully highlighted the importance of integrating technical education with a sense of national identity.



Teachers Day Celebration

ETA students organized a lively Teachers' Day celebration, honoring the dedication and hard work of the faculty. The event featured a series of activities, including skit, games, and heartfelt speeches by students expressing gratitude. Documentary on life of Dr. Sarvapalli Radhakrishnan was shown to all. The documentary served as a reminder of Dr. Radhakrishnan's contributions to education and philosophy, and his belief in the significance of teachers in society. ETA Ms. M. R. Banwaskar coordinator also highlighted the significance of Teachers Day. The event was a perfect blend of joy, respect, and appreciation, reflecting the strong bond between students and teachers.

The celebration kicked off with a warm welcome to all the faculty members, who were greeted with flowers and a round of applause. The venue was adorned with colorful decorations, creating a festive and cheerful atmosphere. The event saw enthusiastic participation from both students and teachers, making it a memorable occasion for everyone.

Activities and Performances

The celebration featured a series of engaging activities:

1. **Skits and Cultural Performances:** The students presented a lively skit highlighting the importance of teachers in shaping the lives of students. The skit humorously portrayed classroom scenarios, showcasing the unique relationship between teachers and students. Additionally, there were cultural performances, including dance routines and musical renditions, dedicated to the teachers.
2. **Interactive Games:** To lighten the mood, a set of fun games were organized where both teachers and students participated. These games not only entertained but also fostered a sense of camaraderie among all attendees.
3. **Speeches and Tributes:** Students expressed their heartfelt gratitude through touching speeches, sharing personal anecdotes and memorable moments they had with their teachers. The speeches highlighted how the teachers have played a pivotal role in guiding them academically and personally.



The Head of the Department (HOD) and the ETA coordinator addressed the gathering, emphasizing the importance of Teachers' Day and the values it represents. They spoke about the vital role of educators in nurturing the next generation and expressed their pride in seeing the students organize such a meaningful event.

Memorable Moments and Gratitude

As the event progressed, students took the opportunity to share their most cherished memories with their teachers, bringing smiles to the faces of everyone present. The teachers listened intently, visibly moved by the love and appreciation shown by their students.

Tokens of Appreciation

In a gesture of gratitude, the faculty members were presented with thoughtful gifts and tokens of appreciation. These small but meaningful presents symbolized the respect and admiration the students hold for their teachers. The distribution of these tokens was a moment of mutual joy, with teachers expressing their gratitude for the love shown by their students.

Students shared their memorable moments with their teachers. Faculty members were presented with tokens of appreciation, symbolizing the strong bond between students and teachers. The celebration reflected a sense of community and mutual respect. The event was a successful demonstration of the students' admiration and appreciation for their teachers.

Engineers Day Celebration

Students of ETA organized a vibrant celebration for Engineers' Day, commemorating the birth anniversary of Sir M. Visvesvaraya, an iconic figure in the field of engineering. The event began with a tribute to Sir Visvesvaraya, where students shared insights about his contributions to India's infrastructure and technological development. This was followed by a speeches by students , who



highlighted the significance of engineering in addressing global challenges and urged peers to aspire toward innovation and ethical practices in their careers.

The day was packed with activities designed to engage and inspire. Students delivered technical talks which showcased their technical prowess. A poster competition on the theme "Engineering for a Sustainable Future" allowed students to express their ideas visually.

Faculty provided valuable insights into industry expectations and career opportunities. The celebrations also included cultural performances, where students expressed their artistic talents through music and drama.

Yoga and Meditation for improving Cognitive Abilities

Dr. R. R. Manthalkar and Dr. Suhas Gajare from SGGSE&T, Nanded conducted a session on “Yoga and Meditation for improving Cognitive Abilities” on 19th Sept. 2022. The session was part of AICTE-Idea Lab Activity of SGGSE&T, Nanded. Students learnt about the mental and academic benefits of these practices. The experts discussed how regular yoga and meditation can improve focus, memory, and problem-solving skills, crucial for students' academic performance.

Through interactive demonstrations, students were introduced to simple techniques that could be easily incorporated into their daily routines. Breathing exercises, mindfulness practices, and specific yoga postures were highlighted for their potential to reduce stress and increase mental clarity.

The session also included a Q&A segment, where students sought advice on integrating these practices into their busy schedules. The event concluded with a guided meditation, leaving participants feeling relaxed and more aware of the importance of mental well-being in achieving academic success.



Social Activity: Visit to Suman Balgriha (Orphanage)

The girls of B. Tech. Final organized a heartfelt visit to a local girls' orphanage: **Suman Balgrih**, bringing joy and support to the young residents. The visit included interactive sessions where the students engaged the girls in fun activities, games, and storytelling. They also distributed chocolates, books, and stationery, which were warmly received. The college students spent time discussing the importance of education and shared their own experiences to inspire the girls. The visit fostered a sense of community and compassion, leaving both the college students and the orphanage residents with cherished memories and renewed optimism.

Gandhi Jayanti Celebration

Every year MGMCEN marks Gandhi Jayanti with Campus Cleaning, Poster presentation, and Blood Donation Camp, embodying the spirit of Mahatma Gandhi's teachings on service to humanity. The event saw enthusiastic participation from students. The blood donation camp began with a brief ceremony, where the significance of Gandhi Jayanti was highlighted, emphasizing Gandhi's values of compassion and selflessness. The Director of College Dr. Geeta S. Latkar encouraged everyone to actively participate, underlining the importance of blood donation in saving lives.

A team of medical professionals from a local hospital supervised the donation process, ensuring safety and comfort for all donors. Information on the health benefits and the impact of blood donation was also provided, raising awareness among students. The camp successfully collected numerous units of blood, which would be used to support local hospitals and patients in need.

The Blood Donation Camp not only honoured the legacy of Mahatma Gandhi but also instilled a sense of social responsibility and community service among the students.



Student Day Celebration

ECT Department celebrated World Student Day with great enthusiasm, honoring the birth anniversary of Dr. A.P.J. Abdul Kalam, who is fondly remembered as the "People's President." The event featured motivational speeches by faculty members, highlighting Dr. Kalam's contributions to education and his vision for students as the future leaders of the nation. Students actively participated in various activities, including debates, skit and quiz. The celebration aimed to inspire students to pursue their dreams with dedication and integrity. The day concluded with a tribute to Dr. Kalam, reinforcing his ideals of knowledge and service.

Training programs organized

Sr. No.	Activity	Class	Date	No. of Students	Conducted by
1	Aptitude training	B Tech ECT	6 - 14 Sept. 2022	33	Campus Credentials
2	Java Programming	TY ECT	6 – 17Sept. 2022	39	
3	Python Programming	SY ECT	19 -29 Sept. 2022	59	
4	Soft Skill training	SYCSE	4 -27Jan 2022	146	



Student Campus Placement



Shreyash Joshi
KPIT Technologies, Pune
4.5LPA



Aditi More
KPIT Technologies, Pune
4.5LPA



Kadam Sumit
KPIT Technologies, Pune
4.5LPA



Aditya Dhawale
KPIT Technologies, Pune
4.5LPA



Somangire Nagesh
Hexaware Technologies, Pune
3.5 LPA



Paitwar Shivam
KPIT Technologies, Pune
4.5LPA



Sakshi Kaulwar
Infosys, Pune
4.5 LPA



Shruti Wattamwar
KPIT Technologies, Pune
4.5LPA



Govind Phesate
Infosys, Pune
4.5 LPA



Atufa Patel
Infosys, Hyderabad
4.5 LPA



Kale Prerna
Capgemini, Pune
4.5LPA



Sumedh Waghmare
Procencol, Bengaluru
3.8LPA



Kedarnath Puyyed
Wipro Technologies,
Hyderabad
4.0LPA



Onkar Shirandhonkar
Infosys, Pune
4.2LPA



Sumedh Waghmare
Procencol, Bengaluru
3.8LPA



Somangire Nagesh
Hexaware Technologies, Pune
3.5 LPA



Mayuri Kulkarni
Capgemini, Pune
4.5LPA



Ganesh Wankhede
Pentagon Space,
Bangalore
2.4LPA



Ashish Kalaskar
KPIT
Technologies, Pune
4.5LPA



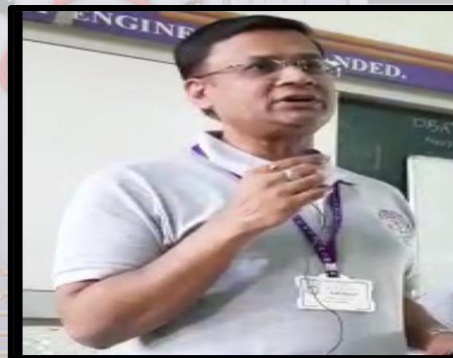
Akash Solanke
Pentagon Space,
Bangalore
2.4LPA



Alumni Corner

Alumni are the real ambassadors of any institute. Their contribution in development of institute and feedback really helps in continuous improvement in teaching-learning as well as placement activities. MGMCOE ECT alumni are holding high rank positions in industry and academia in India and abroad.

Alumni Speaks



Mr. Dhananjay Kumar Ranjan

Director, Access Services, Dept. of Telecommunications, Govt. of India,
New Delhi

- B.E.(ECT) (1994 Batch)
- M. Tech. from IIT Varanasi
- Got selected for 17 different government jobs.
- Qualified UGC NET and worked as lecturer in IIT Patna.

Hello everyone, I am Dhananjay Ranjan working in as Director, Access Services, Dept. of Telecommunications, Govt. of India, New Delhi. It was my dream to clear IES exam and get a commendable position in Telecom sector. MGMCOE played a pivotal role in shaping my carrier. My Dept. not only imparted sound academic knowledge but also helped in building self-confidence in me which is highly useful in different roles and responsibilities that I undertook. Thanks MGMCEN.



Mr. K. P. Sharma

Vice President, Global Supply Chain Schneider Electric

- B.E.(ECT) (1994 Batch)
- 25 Years of Experience in MFG, IT, ITES companies.
- Worked in Dell, Agilent, LG, Panasonic in USA, Korea and Japan.
- Awarded as Gandhi Seva Medal, Young Professional Indian by PM
- Working as Chairman of Automation Sector Skill council.

Hello everyone, I am **Mr. K. P. Sharma** Vice President, Global Supply Chain Schneider Electric. I would like to express my gratitude towards Dept of ECt, MGMCOE which encouraged me a lot to explore my talent & potential by providing an exceptional integrated learning environment. The faculty of ECE changed my whole aspect towards learning. I express my heartfelt thanks to our beloved Principal Dr. Geeta S. Lathkar for giving me the perfect opportunity to explore capabilities.



Mr. Nikhil Dachawar

Senior Engineer, ARM Embedded Technologies, Bangalore

- B.E.(ECT) (2012 Batch)
- M. Tech. (VLSI Design, VIT Vellore, 2015)
- Worked in Intel, Bengaluru

Hello everyone, I am working as Senior Engineer, ARM Embedded Technologies, Bangalore. My education at MGMCOE has been really a fun. The homely and competitive atmosphere in the dept. helped me to study hard. I completed my Masters in VLSI Design from VIT, Vellore to persue my dream of working in Core Electronics Industry. I have also worked in Intel, Bengaluru and guided many of my MGMCOE juniors in choosing the right engineering branch. It would be my privilege to continue this legacy in future also.

