



Government College of Engineering, Amravati-444604

(An Autonomous Institute of Government of Maharashtra)

Newsletter

Winter Waves

September - December 2022 "Vol 3"

MISSION

- Creating Human Resources Of Global Competence.
- Providing An Excellent Academic & Research environment.
- Striving For Development Through Technology Transfer.
- Inculcating The Attitude Of Entrepreneurship.

INSTITUTE CORE VALUES

- Excellent Students.
- Globally Competitive Academic Environment.
- Integrity and Commitment of Staff and Faculty.
- Active Industry Institute Interaction.
- Consistent Training and Placements.
- Graduates with High Employability Ph. D. Centre with QIP.
- R & D Activities with Patent.
- Testing and Consultancy Centre.
- Technology Transfer to Society.
- Standard Report, Dissertation and Thesis Writing.

Editorial Board

Faculty Incharge

- Dr. S. S. Thakare • Prof.P.M.Chouragade

Faculty Coordinators

- Prof. S. P. Tak
- Prof. V. M. Harne
- Prof. T. C. Bhagat
- Prof. R. R. Harne
- Prof. L. R. Wankhade
- Prof. S. A. Lohi
- Prof. M. B. Waghmare
- Prof. D. R. Uike
- Prof. S. P. Bijwe
- Prof. M. T. Shete



VISION

**"TOWARDS GLOBAL TECHNOLOGICAL
EXCELLENCE"**



Shri. V. C. Rastogi
Principal Secretary
Higher & Technical
Education



Dr. Abhay Wagh
Director
Higher & Technical
Education



Dr. A. M. Mahalle
Principal
GCoE, Amravati

Students Editorial Team

- Radhika Bakare(4th Yr ENTC)
- Pranay Khandelwal (4th Yr Elec)
- Nikesh Mankar (4th Yr Mech)
- Gauree Kale(4th Yr CSE)
- Rutam Pimplapure (4th Yr Mech)
- Aditi Walokar(4th Elec)
- Anuja Alkari(4th CSE)
- Zeba (3rd Yr IT)
- Shruti Barai (3rd Yr Civil)
- Yashashri Hadke (3rd Yr ENTC)
- Gitika Dhole (3rd Yr IT)
- Snehal Bharsakle (3rd Yr CS)
- Neha Wakte (3rd Yr CS)
- Arti Manputra (3rd Yr CS)
- Sanskruti Tupkar (3rd Yr CS)
- Pranali Rakhonde (3rd Yr CS)

Mechanical Department



Reading Day Program

15th October 2022



An astonishing event was conducted at the Department of Mechanical Engineering, Government College of Engineering, Amravati on account of the Birth anniversary of our Late Former President of INDIA, **Dr. A.P.J Abdul Kalam**. The event was held in the presence of **Prof. Narendra Solanki** and **Prof. R. S Mohod**. The event started with a brief Introduction and the importance of the session by Mr. Rutam Pimplapure, Final Year Mechanical. Then Prof. Solanki started with the Introduction of our Late Former president Kalam Sir, his journey from a small village of Rameshwaram, Tamil Nadu to Being The President Of India. Mr. Rutam Pimplapure explained briefly the importance of reading by giving a beautiful example of an exceptional book called **"THE ALCHEMIST"** by Paulo Coelho . Students were invited to the stage to express the views. First Mohit Sontakke 2nd Year Mechanical, verbalized the role Dr. Kalam played in his life and the source of motivation he was. Krushnai Sadar 2nd Year Mechanical inspired us all to read an amazing novel, **"BUDHBHUSHAN"** by non-other than Chhatrapati Sambhaji Maharaj. The program continued for 1hr and was concluded by a vote of Thanks by Muskaan Jaiswal 3rd Year Mechanical. Students from every year showed active participation in the session.

Electrical Department



Engineering Day :

15th September 2022

Engineer's Day and Teachers' Day were celebrated and organized by the Electrical Engineering Students Association on the 15th of September 2022.

The program was organized by the 3rd and 4th year students. All the teachers were invited to the celebration, including the Department Head, **Dr. G. A. Dhokane**, **Dr. V. N. Ghate**, **Dr. R. B. Sharma**. All the teachers were greeted with bouquets and poems. Dr. G. A. Dhokane shared his thoughts with the students on the auspicious day. He shared the stories of Dr. S. Radhakrishnan and Dr. M. Visvesvaraya with us. They made us aware of the importance of engineers in society and the scope of development in technology and engineering.

Helping Hands All Third Year Students, Core Members EESA, IST, IE (I).



Vidyut Trophy

10-11 December 2022



The **Vidyut trophy** was organized under the EESA Students on 10th December 2022 and 11th December 2022. Under the guidance of **Dr. R.B. Sharma** faculty coordinator (EED). Vidyut Trophy was organized for the 1st time. The motto was to bring out the student from social media and work in a team. The Vidyut trophy was held in the ENTC department for the 1st to 4th year of Electrical Engineering students. Inauguration of the program was done by Dr. R. B. Sharma, Faculty coordinator (EED) on 10th December in the morning and further, the Vidyut trophy began with badminton and box cricket. On the next day tug of war, Lagori were held. Prize distribution program was held in the presence of the HoD **Dr. G. A. Dhokane** along with **Dr. P. P. Bedekar** on 12th December 2022 in CR-EE104(ENTC Department)

Program outcomes :

- 1) Teamwork.
- 2) Decreasing the use of Social Media.
- 3) Encouraging the outdoor sport.

Electronics and Telecommunication Department



Induction Program

4th November, 2022

For the Freshers' Batch Of Electronics and Telecommunication, a session was conducted by the department to introduce them to the celebrated student "Electronics and Telecommunication Association" in the department. ETAS has conducted various activities in the past concerning the all-around development of students. To get the new batch acquainted with the ongoings of the association and the kind of activities conducted, the session was conducted. Head of Department **Dr. P. R. Deshmukh**, Faculties of the department, ETAS faculty in charge **Prof. Radhika Harne** and other senior faculties were present for the program. The batch was introduced to all the faculties, who shared how ETAS has always been a part and parcel of every student from the department. The glorious history and events like the Shaurya trophy were introduced to the students. Toward the end of the session, the students were motivated to participate in all the activities to accomplish their journey through the department in a memorable way.



Workshop on Antenna Design

26-29th September 2022



The Department of Electronics and Telecommunication of Government College of Engineering, Amravati, in collaboration with Spaarta Soft Technology Solutions, organized a four-day workshop on "Practical Integrated Antennas - Designing, Analysis, and Simulation" from September 26th to 29th, 2022. The workshop aimed to give students hands-on experience with the practical fundamentals of antenna design.

The workshop was opened by Dr. A. M. Mahalle, the Principal, in the presence of guest speakers **Mr. Aniruddha Kulkarni** and **Mr. Mukund Bhopale**, as well as faculty, staff, and students from the Electronics Department. The workshop focused on both theoretical and practical aspects of antenna design, covering topics such as Real Time Spectral Analysis (RTSA), SONAR, and the design of various antenna models, including whip, bi-conical, dipole, yagi-uda, and helical antennas.

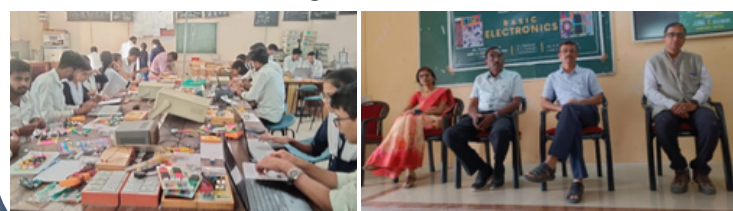
A field visit to Belora Airport in the Amravati district helped students understand the practical implementation of antennas. The workshop was well-received by final-year students, with 55 students participating actively. The success of the workshop was due to the hard work of **Dr. P. R. Deshmukh**, Head of Electronics and Telecommunication, **Prof. S. J. Meshram**, Workshop Coordinator, **Prof. N. G. Pardeshi**, **Dr. S. S. Thakare**, **Prof. R. R. Harne**, and **Shri. K. H. Bhagat**.

Practical experience on Basic Electronics

26th Dec 2022 to 1st Jan 2023

Department of Electronics and Telecommunication Engineering, Government College of Engineering, Amravati organized a one-week Hands-on **training on Basic Electronics**, in association with AMB's C-DSP, Aurangabad (M.S.). The one week training program (26th Dec 2022 to 1st Jan 2023) was organized for the students of Second year to make the students acquainted with the practical fundamentals of electricity and electronics, operating principles, and applications of RLC circuits, and basic electronic devices. The training aimed at making the students able to design PCB for practical application circuits on their own. The students had a hands-on working experience with the practical aspects of the basic electronic devices while exploring the use of CROs, designing PCB, and soldering the components by themselves. A practical introduction to IoT, robotics, and Arduino boards was also covered. The students designed and implemented Voice-controlled LED ON/OFF circuit, robotic wheel movement circuit, and other small application-based circuits. The hands-on training program received an overwhelming response, with nearly **74 enthusiastic and active participants from 2nd Year Electronics**. The hands-on training was coordinated by **Prof. S. J. Meshram** and **Prof. N. G. Pardeshi**.

Dr. P. R. Deshmukh, Head of the Electronics Department, and all faculty members extended their cooperation for the successful organization of the event. The student volunteers gave their best in managing the daily activities. **Dr. A. M. Mahalle**, Principal, of Government College of Engineering, Amravati congratulated the coordinators, Head of the department, faculty and staff members, and students for their sincere efforts that helped make the hands-on training successful.



Felicitation Ceremony



This year the students of ENTC have set a huge benchmark in terms of secured packages during the placements. A felicitation ceremony was organized by the department to celebrate this occasion, in the presence of the department faculties, Host of the session **Rohit Keole**, took the session forward and students of final year **Raghunandan charka** placed in Zoho & Siemens, **Sayali paunikar** placed in Siemens, **Prathamesh Bonkhale** placed in Schaffler, **Dnyaneshwar konde** placed in Siemens, Zoho, **Sanket Jadhav** placed in Zoho and **Neeraj Gawali** placed in several companies were felicitated. It was a proud occasion for the department to celebrate the huge accomplishment of all the students, in the presence of students from the first, second, and third year. All those placed shared their experiences of preparation, interviews, and exams. They also shared their four-year journey of college and told everyone to not forget to enjoy their college life and make the most of these four years. The session came to a successful end in the organization of ETAS committee overall convener **Sarthak Khandagale**, third-year conveners **Saurabh Patil** and **Prachi Katariya**, second-year conveners **Mihir Jaiswal** and **Sakshi Sinha**. Students in the audience were inspired and excited for the coming years of their preparation and college life.

Computer Science Department



Pre Placement talk of Shapoorji Pallonji Pvt. Ltd.

9th December 2022

Pre Placement talk and interviews of Shapoorji Pallotticom. Pvt Ltd was conducted at the Computer Center of the CSE department on 9 December 2022. Company officials were felicitated by **Prof. U. M. Thorkar Sir**, training and placement officer, and **Prof. M. B. Waghmare Sir**, departmental coordinator. Officials from the company informed students about the company's recruitment policy and interview procedure. Students from the final year were present in huge numbers and took benefit from it.



Ek vidyarthi Ek vriksh abhiyan

4th October 2022



The ambitious 'One Student One Tree Scheme' of the Ministry of Human Resource Development, Government of India has been launched in the Government College of Engineering, Amravati. The objective of this scheme is to get each student to plant at least one plant so that the students can be sensitive to the environment around them and do some work on the ground towards environmental protection by planting saplings.

The tree plantation drive was organized on **4th October** near New Boys Hostel in the afternoon slot. On this occasion professors, non-teaching staff, and students were present.

Renata Company Visit

22nd September 2022

Renata Company visited GCOEA on 22nd September for recruitment of students. The company officials informed students about the company's structure and procedure of recruitment.



Pre Placement talk and test was conducted at the computer center of CSE department. **Prof. U. M. Thorkar**, training and placement officer and **Prof. M. B. Waghmare**, departmental coordinator worked for the smooth conduction.

IT Department



Project Guidance

3rd December 2022

ITSa conducted a session on Project Guidance. The speaker of this event was **Mr. Shubham Patel**, an alumnus of the 2018 B-Tech IT Batch. He is currently working in Qualcomm and has done his M-Tech from IIT Madras. A technical session was organized by ITSa on Project Development on 3rd Dec. Shubham Patel alumnus of batch 2018 guided the session. He is currently an AI Solution Architect at Qualcomm.

The session was managed by **Ram Ghiya** and was hosted by **Sejal Datir** and coordinated by **Vaidehi Warghat**.

The session was organized for 2nd and 3rd year students. Almost all the students attended showing their interest in the session. Throughout the session, Shubham Sir was very friendly. He interacted with students by asking questions not only related to academics but outside of it too.

Students were also very attentive, answering all of his questions. He even shared how the project ideas popped into his from his real-life experiences.

Though the session was of project development, he not only shared his knowledge related to projects but also shared what other domains should be considered by students and take career to the next level.

Instrumentation Department

Placement & Internship Guidance

24th Dec 2022

On 24th December 2022, an extremely informative and mentoring session was hosted in the Department of Instrumentation, GCOEA. This session was arranged by the final-year students with the help of **Mohd. Ahfaz Lateef Abdul Nasir Sir** (Senior Executive, Adani Electric Mumbai Ltd.) who is also a recent pass-out of GCOEA, for 2nd and 3rd-year students especially. Ahfaz Sir quickly gave a brief on how to approach On-Campus Placements and the requirements to do so. The session was then concluded followed by a Q&A session. The final-year students gave the vote of thanks to Ahfaz sir for giving his precious time and sharing his knowledge and experiences.



IE & ISTE

Poster Making Competition

19th November 2022

Time: 12:30 onwards

Total Number of students present at the event: **62**

The following students are declared Winners for the event as the judgment given by the event judge.

Prizes:

1) 1st prize Winner (Sakshi Khadilkar) - ₹ 1000/-

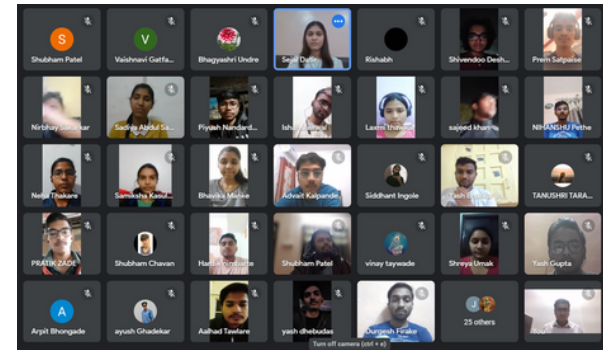
2) 2nd Prize Winner (Zeba) - ₹ 750/-

3) 3rd Prize Winner (Prem Satpaise) - ₹ 500/-

Judge for the Event:

Prof. Dr.K.P.Wagh, Assistant Professor, I.T. Department, Prof.

Prof.K.N.Tayde, Assistant Professor, I.T. Department



Session on Profile Building and Career Guidance

15th October 2022

Conducted By: **Ram Ghiya and Chinmay Shivratrivar**

Speaker: **Prathmesh Bhansali, Sharvari Samdekar, Gaurav Gilalkar** This was an offline session. The speakers of the session were **Mr. Bhansali** (Lead SDE at DataSee.io), **Ms. Sahavemdekar** (Developer Associate at SAP Labs), **Mr. Gilalkar** (SWE at Teradata) The session covered various topics like open source, research, profile building, etc.



Vachan Prerna Din

15 October, 2022



An event was conducted on 15 October 2022 in the Government College of Engineering, Amravati in the Department of Information Technology under the guidance of respected HoD **Prof. A.W. Bhade ma'am**. The program commenced by welcoming all the respected teaching and non-teaching staff of the IT department in IT-120 classroom. The program was hosted by **Mr. Jaydeep Gedam** from IT 3rd Year. Where the audience was addressed by the contribution of **Dr. A P J Abdul Kalam** to our nation. The program was organized to commemorate the birth anniversary of Dr. APJ Abdul Kalam celebrated as '**Vachan Prerna Din**'. The program aimed to inculcate the habit of reading in the students through a group reading. Group reading included the reading of e-books, stories, and ewspapers. Also, students and faculty members expressed their views and shared their experiences of reading. The program was coordinated by **Prof. Bhushan Wakode Sir**. The program commenced at 4.00 pm and continued for half an hour and was concluded. The program was a grand success.

COMPETITIVE EXAM GUIDANCE

25th November 2022

The topic for the seminar was "**COMPETITIVE EXAM GUIDANCE**" by **Avirat Adgokar Sir**. He was welcomed by **Prof. Sheetal Bijawe Ma'am**. At the start of the session, he told us about himself and his family's education. Then he told us about his college life that how they were able to have such leadership and communication skills by taking part in various activities. Then, he founded "**DHYAS ACADEMY**" for the students who needed guidance and the right education for competitive examinations. He told us about the sessions he took in various schools and colleges and how the students were motivated. Then, he told us a small story which stated "stay out of your comfort zone, don't be negative, and do hard work". The session was getting interesting after this story, as the students were getting very excited. Then, he started to explain the paper pattern for UPSC and MPSC along with questioning about General Knowledge to keep the session exciting and active. He told us about various positions like IAS, IPS, Tehsildar, etc. He also told us about the respect and the job guarantee we will have if we cracked one of these exams. He told us small, funny but amazing stories about his day-to-day life. He showed us different ways of inspiring ourselves and different approaches to thought. Last but not least the session was wrapped up after an amazing Q&A session with the speaker. The seminar was smoothly conducted under the guidance of **Prof. S.P. Bijawe** and the Head of the department **Prof. Dr. G.G. Bhutada**.



Industrial Visit to Paras TPS

07th September 2022

An industrial visit to **Paras TPS** was organized under the **ISTE** on 07th September 2022.

Under the guidance of **Dr. G. A. Dhomane** (HOD EED) & **Dr. R. B. Sharma** Faculty coordinator (EED) visit was arranged.

The visit started with safety protocols and other instructions to be followed in TPS by the Guidance of the Training Officer. Students were divided into batches for better communication with the Training officer and the overall visit was of 1 Day. The main motive was to relate students' theoretical in an actual way through the hands-on and live experience of the TPS. With a vote of thanks and Lots of Guidance visit ended. All the travel, food, and other necessary arrangements were provided to the student while the visit by the Department.

Program Outcomes

1. Hands-on experience with Various power control devices.
2. Live working of different power plant elements.
3. Identifying differences in Actual and Theoretical techniques used in energy production.
4. Deep Knowledge of Industrial Machinery and Maintenance techniques and different problems related to them.

Helping Hands

Core Members EESA, ISTE, IE (I).



Faculty Achievements



Paper Publication :

- **Asniya Sadaf Syed Atiqur Rehman** and **Prof. M.B. Waghmare**, "A Review - Prediction of Covid-19 Using the Weather Integrated Machine Learning Approach", in YMER, November-2022, Volume 21, Issue 11
- **Rashmi S. Thakre, Dr. K. P. Wagh, Prof. S. M. Shinde**, "Machine Learning Based Covid-19 Detection Using Magnetic Resonance Imaging (MRI)", in Mukta Shabd Journal, ISSN NO: 2347-3150, Volume XI, Issue IX, September- 2022.
- **Pallavi Ashokrao Nawale** and **Prof. Dr. P.N. Chatur**, "Data Analytics to Provide Complete Solution for Groundwater Management for the Country", in International Journal of All Research Education & Scientific Methods, (IJARESM), July-2022, Volume 10, Issue 7.
- **Ruchira C. Mahore, Prof. Naresh G. Gadge**, "A Creative use of Machine Learning for Crop Prediction and Analysis", First IEEE Sponsored International Conference for Women in Innovation, Technology and Entrepreneurship, ICWITE(2022).
- **Ruchira C. Mahore, Prof. Naresh G. Gadge**, "crop prediction and analysis based on indian agriculture using machine learning", Mukta Shabd Journal, ISSN: 2347-3150 Volume XI, Issue XII, pp. 510-513, December 2022.
- **Akhil A Samble** and **Prof. A. V. Deorankar**, With Reference To Your Paper Submitted Detection Of Face Mask Using Machine Learning "We Are Pleased To Accept and Published The Same For Publication In Mukta Shabd Journal Volume XI. Issue 10. Oct 2022. Manuscript Id: Msj5666.

Paper Publication :

- **Diksha M. Gondane, Prof. Ravi V. Mante**, "A Machine Learning and Feature Selection based hybrid Intrusion Detection System", IEEE-SEM Journal Tracking ID: 29957, Dec 2022 Edition. Diksha M. Gondane, Prof. Ravi V. Mante, "A Machine Learning and Feature Selection based Intrusion Detection System", IEEE-SEM Journal Tracking ID: 2994, Dec 2022 Edition.
- **Ketaki kiran saraf, Prof. A.V.Deorankar** (2022) A Privacy-Preserved Multi-Keyword Ranked Search in Cloud Storage publication in IEEE Journal The review process has been completed and the paper has been accepted for publication. lySSN: 2320-9151 Impact factor:3.5 paper will be published in Volume 10, Issue 10.
- REVIEW & DESIGN OF PREDICTION ANALYSIS OF SOCIAL EMOTIONS FROM USER PERSPECTIVE **Prof. A. V. Deorankar** Professor, CSE Department, GCOE, Amravati Sayali MahulkarStudent, GCOE, Amravati
- **Nidhi D. Rathi and Prof. A. V. Deorankar**, "An Approach To Ai Based Healthcare Chatbot System By Using NLP", in International Journalof Creative ResearchThoughts, (IJCRT), August - 2022, Volume10, Issue 8. 2.
- **Nidhi D. Rathi and Prof. A. V. Deorankar**, "Overview and an Approach to AI based Healthcare System by using NLP", YMER, Novemrber - 2022, Volume21, Issue 11.

By-Dr. P. P. Bedekar

(1) Patent:

Filed a patent (German patent) on **Human Psychology Optimization** (HPO) based Adaptive frequency optimization control (AFOC) on Buck Converter

(2) Books published:

Published a book (soft copy) on "**Lecture Notes on Basic Electrical Engineering**" The same has been shared (free of cost) with all students of GCoEA and all faculty members of Electrical Engg. Department

(3) Guest Lectures/ Expert Lectures (delivered outside the institute)

Sr. No	Title	Venue	Date	Remark
1	Optimization and its applications in power system	Sardar Vallabhbai National Institute of Technology, Surat (Gujarat)	26.09.2022	Short Term Training Program (STTP) on "Sustainable Development and Recent Advances in Electrical Engineering (SDRAEE)"

Sr. No	Title	Venue	Date	Remark
2	Genetic Algorithm & its applications to power system	Sardar Vallabhbai National Institute of Technology, Surat (Gujarat)	27.09.2022	Short Term Training Program (STTP) on "Sustainable Development and Recent Advances in Electrical Engineering (SDRAEE)"
3	Target GATE-2023	Dept. of Mechanical Engg. Govt. College of Engineering, Chandrapur (M.S.)	15.10.2022	--
4	Optimization Techniques - An Overview	Dept. of Electrical Engg. Govt. College of Engineering, Chandrapur (M.S.)	15.10.2022	--

Robo Tech Forum

15th - 18th Dec 2022

The ROBO TECH FORUM (RTF) participated at TechFest, IIT Bombay. **Rowboatics, Boeing National Aeromodelling** Competition, and achieved 8th rank in the Rowboatics competition. **Ayush Patorkar** was controller of the boat with **Piyush Kale** as crew member, under the guidance of **Prathamesh Kalaskar**.



Higher and Technical Education Department Delegation Visited Our GCOEA

25th December 2022

To get first hand information, **principle secretary honorable Mr. Vikas Chandra Rastogi Sir, Director honorable Dr. Abhay Wagh Sir** along with **Joint secretary honorable Mr. Suhas Tidke Sir, Joint director Mumbai division Pramod Naik sir, Joint director Amravati division Dr. Vijay Mankar Sir** visited our college on 25th December 2022.

During the visit the delegation gathered information about overall execution of college and best practices used for technique teaching and learning they also visited some labs and Centre of excellence at our Institute honorable **Mr. Vikas Chandra Rastogi sir** appreciated our college honorable.

Dr. Abhay Wagh sir guide about what new we can do here and mention the scope of improvement on this occasion. The delegation offered a set of technical useful books to the under privilege students for each department



YOUTH FESTIVAL

A very Successful year of SGBAU Youth festival :

- **Ms. Madhurika Dhattrak** from 3rd year Civil got the third rank in '**Classical Dance**' event and got Color coat from the University.
- **Ms. Kadambari Jamdhade** from 3rd year ELPO got Colour kad from University.
- **Ms. Vaishnavi Chavhan** from 3rd year Mech got Color Coat from University

The students of Music Club performed at SGBA University's Youth Festival 2022-2023 in all events



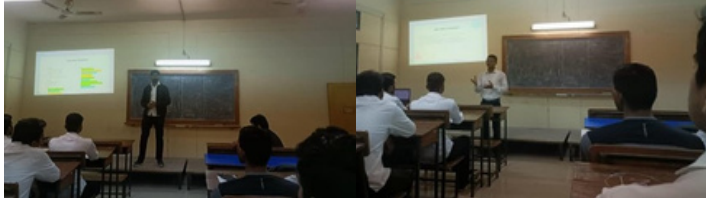
NCC



Session on CDS Preparation Guidance

As per the topic, a career guidance session was conducted for the students and **NCC cadets preparing for the CDS exam by the senior cadets of GCOEA NCC, cell Cadet Rutam Pimplapure and Cadet Rahul Agarkar.**

The session was conducted at 4:00 pm in the Information Technology department, GCOEA. At the start of the session, **Dr. S. A. Lohi sir** gave a brief introduction and guidance regarding the defense services. After that, both the senior cadets introduced themselves. Cadet Rahul Agarkar gave a brief introduction to CDS (Combined Defence Services). He shared the strategies regarding how to tackle the math questions in the CDS exam and Cadet Rutam Pimplapure shared the strategies for English and General Studies. They also shared their personal experiences of their preparation and study. In the concluding part of the session, they solved the queries asked by the CDS aspirants and some NCC Cadets. Everyone enjoyed the session and participated enthusiastically.



Nasha Mukti Bharat Abhiyaan

12 September 2022

The NASHA MUKTI BHARAT ABHIYAN interaction with NCC cadets was conducted on 12 September 2022 at 04:00 PM via online mode. Union Defence Minister Shri Rajnath Singh and Union Minister for Social Justice & Empowerment Dr. Virendra Kumar will jointly Preside over the Interaction Event NCC Cadets and youth along with all 17 NCC State Directorates across the country are expected to join the event through live streaming. An Interaction with NCC Cadets and Pledge Against Drug Abuse on 12 September, 2022 Minister for Social Justice & Empowerment Shri Thawarchand Gehlot launched the website for the Nasha Mukti Bharat Abhiyaan (**NMBA**) on the occasion of International Day Against Drug Abuse and Illicit Trafficking on 26 June 2021, which is observed worldwide to strengthen action and cooperation in achieving the goal of a sustainable world free of substance abuse.

OBJECTIVES OF NASHA MUKT BHARAT ABHIYAAN:

- Awareness generation programs.
 - Focus on higher educational Institutions, university campuses, and schools
 - Reaching out to the Community and identifying dependent populations.
 - Focus on counseling and treatment facilities in hospitals and rehabilitation centers that have been geotagged.
 - Capacity building programs for service providers.
- The webinar was attended successfully by all NCC cadets of our institute and everyone took a pledge to support NASHA MUKT BHARAT ABHIYAAN.

Debate Competition

20 November 2022

On 20 November 2022, the NCC cadets of Government College of Engineering, Amravati had conducted a '**Debate Competition**'. Then after discussing the instruction and rules for the competition the first pair was called for their turn to speak. Every pair of cadets were given 2 minutes each to present their views and then had 3 minutes to counter each other. The first pair to speak was Cdt. Vedant Raut and Cdt. Samruddhi Sahatpure. Their topic was "**Effect of private education**".

After their given time was up, their presentations were evaluated and the next pair was called up. The next pair was Cdt. **Mohit Sontakke** and Cdt. **Sanskar Balbudhe** and they spoke on **"5G - Benefits and Impact"**. The third pair was Cdt. **Sudhanshu Wankhede** and Cdt. **Pranay Adle** who spoke about "Army Involvement in Civil Task". The Fourth pair was Cdt. **Kalpak Khobragade** and Cdt. **Sumit Katwate** who spoke about **"Artificial Intelligence - Boon or Bane"**. The fifth pair was Cdt. **Sakshi Shahare** and Cdt. **Anurag Matode** who spoke about **"Impact of Social Media"**. The five pairs finished their presentation and counters. Due to some complications one of the six pairs had to leave and their debate was postponed till afternoon. After the competition was wrapped up all the cadets gathered together and all discussed about the positive and negative impacts of social media. Then in the afternoon the cadets gathered again in the admin garden at 4.30 PM. The remnant pair of the morning, Cdt. **Dimple Dhote** and Cdt. **Nikita Tarole** spoke about **"Education System"**. After all the participants were finished Cdt. **Rutam Pimpalpure** and Cdt. **Rahul Agarkar** presented a debate about **"Privatization of Govt Entities"**. Then the names of the cadets were announced who were supposed to participate in the Group Discussion that was going to be held the next day. The event was summed up with the guiding the cadets about the various aspects that the cadets are supposed to improve upon by Cdt. Rutam Pimpalpure and Cdt. Rahul Agarkar.



Article Narration and Group Discussion

21st November 2022

On 21st November 2022 the NCC cadets of Government College Of Engineering Amravati had conducted a group discussion on **"HOW INDIA CAN COUNTER CHINA?"**. All the cadet assembled in the admin garden by sharp 7:30 am. It was held by the cdt. **Vedant**, cdt. **Sudhanshu**, cdt **Kalpak**, cdt **Pranay**. After group discussion 2nd year NCC cadet shared information of their respective articles. Cdt Zeba ma'ams topic was **"cybersecurity and emitted threat"**, cdt. Anuragh Sir's topic was **"Use of AI and ML for armed forces"**, cdt Shravani ma'am shared their experience on **"role of CDS and integration on armed forces"**, and cdt. Suraj Sir shared their information on **"Importance of signal wing in armed forces"**. It was healthy discussion amongst senior and junior cadets. We got aware about new informations



Rashtriya Ekta Diwas National Unity Day

20 Oct 2022

As per the reference from D.O. No. I-19034/01/2022-NI-II dated 20 Oct 2022 received from Home Secretary, Govt of India, 31st October being celebrated across the country as RASHTRIYA EKTA DIWAS (National Unity Day) to commemorate the birth anniversary of Sardar Vallabhbhai Patel, the architect of national integration of independent India. It is a special occasion to **foster and reinforce our dedication to preserving and strengthening the unity, integrity, and security of our nation.**

This year, as decided NCC cadets were supposed to take part in a unity run to spread the message of national unity and the spirit of Rashtriya Ekta and Azadi ka Amrit Mahotsav throughout the country. Likewise, NCC cadets from the Government College of Engineering, Amravati enthusiastically took part in the unity run. All the cadets assembled in front of the college gate on 31.10.2022 at sharp 7 am. Cadets ran from the college gate to 8 Maharashtra Batallion, NCC, Amravati. The approximate distance of around 1.3km was covered in 7 minutes. On the way back, the Cadets discussed the life of Sardar Vallabhbhai Patel. Cadets assembled at Admin Garden to pledge to maintain the unity and integrity of the nation. The program was concluded with a healthy discussion on Unity Day by all cadets present. Everyone expressed themselves on the importance of Unity Day which is being celebrated.



EBSB Camp

3-12 Oct 2022

The **Ek Bharat Shrestha Bharat-I (EBSB)** camp was conducted by 9 Odisha Bn NCC Rourkela on behalf of NCC Gp Headquarters, Sambalpur and NCC Dte Odisha from **03 Oct 2022 to 12 Oct 2022 at Sai Valley World School, Rourkela for the cadets of Maharashtra NCC Dte.** A total of 600 cadets, 12 ANOs and 03 GCIs and detailed PI staff attended the camp. The aim of the camp was to foster a sense of unity and nationalism amongst the participating NCC cadets and familiarising with the paired states. The main objectives of the camp was to develop leadership skills, enhance knowledge base and public speaking abilities, peer learning through mutual interaction, foster team spirit and improve soft skills, understand culture of own state and the participating state. As part of the inaugural session, the cadets were addressed by **Col. Himanshu Pandey** and Dy Camp Comdt, **Lt. Col. Ramesh Sariyal**. The camp was successfully conducted for ten days with a lot of cultural, academic and lingual exchange between the cadets of both directorates. The topics being covered during the camp included presentation on history, geography economy, cultural heritage, festivals, customs & traditions of the states. Learning the language of each other like Marathi and Odia and interaction in language was one of the highlights of the camp. In addition, learning about cuisine and food habits, tourism sites, and cultural programmes of the states was shared extensively. Quiz and sports competitions were also held during the camp. Visits to the temple, mosque, church and gurudwara at Rourkela were also carried out as a part of National Integration Training. Cultural competitions like solo dance, solo song, group dance and group dance were also organized. The cultural programme was presented by the cadets of Maharashtra Dte and Odisha Dte. NCC Exchange participants association (EXPA) conducted the CADET (Comprehensive All-round Development and Employability Training) program. The CADET training program ran for 2 consecutive days and focused on personality development in the areas of Communication, Critical Thinking, and Creative Thinking. The camp concluded on 11 October 2022 with a thanksgiving message to all cadets for their active participation. The closing address was given by Camp Comdt, **Col. Amitabh Roy SM.**

Experience sharing

22 November 2022

On 22 nd November 2022, the NCC cadets of Government College of Engineering, Amravati had conducted a 'Experience Sharing'. All the cadets assembled in the IT department (IT-017) by sharp 3.10 PM. All 2 nd year cadets Had shared their experiences about their NCC Camp that they had done. The Cdt. **Zeba Mam** and cdt. **Suraj Raut Sir** share their experiences about CACT " **Combined Annual Training Camps(CATC)** "How's their experiences. Which new things they learned. Also share Drill Experience and experience about Firing by AK47 and many more things. Then Cdt. **Anurag Matode** and Cdt. **Yash Gulhane** Sir Told their experiences about their Camp name as "**Ek Bharat Shreshtha Bharat (ESEB)** " they told us How thrilling their experiences was!. Told us what they learnt and How to improve Ourselves & Activities done during their Camp. By Showing PPT presentation. And it creates enthusiasm and alot of perkiness in 1st year cdt.



Blood donation

26 November 2022

NCC cadets are actively involved in organizing various social service activities like cleanliness drives, yoga day, tree plantation, anti-tobacco drive, road safety, disaster management, etc. These activities leads to the introduction of leadership skills, the dignity of labor, event management skills, etc. This time on 26 November 2022. NCC cadets from the Amravati NCC group came in large numbers to volunteer for blood donation. The camp was organised at 8 Maharashtra NCC battalion. Medical staff from **Panjabrao Deshmukh Medical College** and the **Rotary club** were present during the blood donation drive. The camp started at exactly 09:30 Hours in the morning. The donors were asked to fill out a medical form to give details about their health-related information. Before the donation, checking weight, blood pressure and body temperature were measured to ensure that the donated blood is safe for transfusion into a recipient. After donating blood, every NCC cadet were taken to a relaxation room for refreshment and rest. Later, they were awarded with a certificate to encourage their noble gesture. The Commanding officers from respective NCC units othe f Amravati NCC group participated in the drive. From our institute, Cdt. **Rakhee Shionkar**, Cdt. **Omkar Masram** and Cdt. **Anurag Matode** contributo for the noble cause. The medical team from the Panjabrao Deshmukh Medical College and Rotary club were also satisfied with the drive and response from the NCC cadets



Students Extracurricular Activities

Pratik Raghuwanshi

3rd year

Electronics Department

Able Innovation

Selected as

- 1) India's Top 10 startup by Samsung out of 18000+ startups in the SFT (Samsung Solve for Tomorrow) event.
- 2) Filled a Provisional Utility Patent on Able aid glasses for the Deaf.
- 3) Top 50 startups at Google Startup Boot-camp university event.
- 4) Finalist of Nidhi Prayas by IIT Mandi Catalyst.
- 5) Winner of GSEA (Global Student Entrepreneurship Award) at EO Mumbai
- 6) Top 25 start-ups at BENNOVATE'22.



Sahil Shende

4th year

Electrical Department

- Selected in **KAUN BANEGA CROREPATI**
- I2I is Ignited Innovators of India a National level Technical Event organised by BHAU Institute, College of Engineering Pune, sponsored by EATON India.
- We the Team bagged 2nd Prize in Environmental Sector & Title of Model is Solar Tracking System with MPPT.



Training and Placement Cell

1. Faculty Enrichment Programme at Cognizant Technology Solution Pune

15th Dec 2022

At Cognizant, the launch of Digital Nurture - Reverence - Faculty Enrichment Program. to enable a team of teaching faculties, to gain effective industry insights which would equip them to guide their studentsfuture-ready ready. **Prof Umesh M Thorkar**, Training and Placement Officer attended the Faculty Enrichment Progthe ram at Pune Cognizant facility (Cognizant CDC, Hinjewadi Rajiv Gandhi Infotech Park) on **15th Dec 2022**.



2. Recent MoU Signed :

MoU between **MAHAGENCO [TPS, Paras]** and **Institution [Government College of Engineering Amravati]** is executed to foster collaboration between institutions and organizations to promote industrial and academic interaction to help enhance the pool of student talent. MoU is signed on dated **07 September 2022** in the presence of **Principal Dr A M Mahalle, T &P officer Umesh M Thorkar** and **Chief Engineer Sunil Sonpethkar, Executive Engineer Rajesh Guttuwar, Sachin Dakhode, HR Manager Chandrakant Bahad** from Mahagenco .

Activity under MoU

Sr. no	Company Name	Details
1	Maharashtra State Power Generation Co Limited	1.Three students from UG are Joined as Research Assistant for three months with stipend of Rs 20000/- 2.Two students from PG are joined as Research Assistant with stipend of Rs 25000/-

PTPS, Govt College of Engineering, Amravati sign MoU to engage students as research assistants

District Correspondent
AKOLA, Oct 12

IN VIEW to engage postgraduate and graduate engineering students as research assistants and to provide them with professional expertise, Paras Thermal Power Station (PTPS) in the district has recently signed a Memorandum of Understanding (MoU) with the Government College of Engineering, Amravati.

Paras Thermal Power Station run by Maharashtra State Power Generation Company (MAHAGENCO) has signed the memorandum to overcome day-to-day problems in the tough and highly complex technical nature of power generation.

Government Engineering



Paras Thermal Power Station Chief Engineer Sunil Sonpethkar and Govt. Engineering College Principal Dr Mahalle showing the MoU as others look on.

College Principal Dr Mahalle and Training and Establishment Department representative Thorkar and Paras Thermal Power Station Chief Engineer Sunil Sonpethkar, Executive

Engineer Rajesh Guttuwar, Executive Engineer Sachin Dakhode, Superintendent Engineer Nilay Mahajan, Ashish Pahurkar, Coordinator (Manager) (Honorary) Chandrakant Bahad were

prominently present on the occasion of signing the MoU.

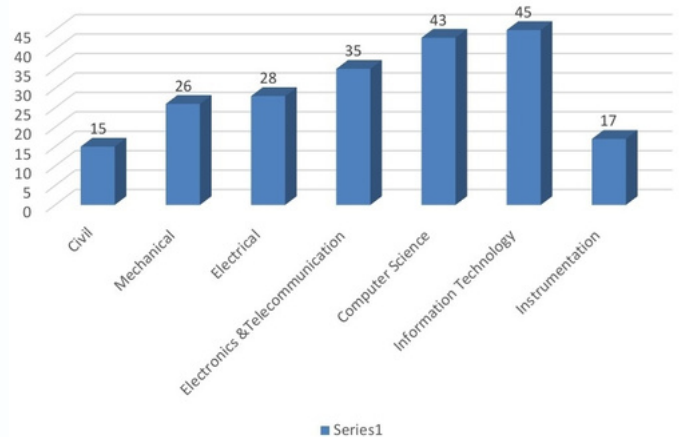
This is a golden opportunity for the youth pursuing engineering. A training allowance of Rs 25,000 per month will be given to students pursuing postgraduate education for one year and a training allowance of Rs 20,000 per month to students pursuing graduate education for three months.

The Chairman and Managing Director of MAHAGENCO has approved the innovative scheme of Research Assistant for the thermal, gas, solar, hydroelectric power stations. Along with Paras Thermal Power Station, around 60 students from 9 engineering colleges of the state have participated in the drive as the research assistants.

Placement percentage branch wise: - Till December 2022

Sr. no	Branch	Student Placed	Placeme nt % (S. I.)	Major Companies	Student Placed
1	Civil Engg	15	25%	Tata Consultanc e Service	78
2.	Mech Engg	26	43%	Reliance	17
3.	Elec Engg	28	46%	Cognizant Technology Solution	51
4.	Entc Engg	35	58%	Larsen & Toubro	07
5.	CSE	43	71%	Adani Group	27
6.	IT	45	75%	-	45
7.	Instru Engg	17	56%	-	17

Placement Till Dec 2022[Number of students placed]





Celebration of Golden Jubilee Year of Alumni of Batch 1972

10th of December, 2022

Every year the Alumni meet is organized in the Government College of Engineering, Amravati. After the completion of 25 years, the students of the batch are invited to the college and a huge program is organized. Alumni Meet is one the biggest College Festivals for which the students wait eagerly. This time Alumni meet of **Batch 1972** was organized. It was their Golden Jubilee Year which had to be celebrated. The session turned to one of the most historic and epic events. The session was organized under the guidance of **Principal Dr. A. M. Mahalle, Incharge Student Welfare, Dr. M. V. Jape, Head of Department Dr.G.A.Dhomane, Warden Jijau Hostel Dr.Shubhada Thakre and Dean T&P Dr.U.M.Thorkar.** The entire session was hosted by **Mahi K.Sagani, Institute Representative, GCOE, Amravati.** First of all, the felicitation of all the Alumni was done. Then, a few of them talked about their journey in life. Then, the interaction with students was taken place. Everyone is in their 70s but their enthusiasm in the session was like a 20-year-old student. Everyone was so inspired and impressed by their spirit of living. At last, **Dr.M.V.Jape** delivered a Vote of Thanks. Overall, the session was a great success.



Orientation Programme and Alumni Felicitation

4th November 2022

On the 4th of November, 2022, the Principal's Address was arranged in Bhosale Hall for the first year. Along with this session, the Felicitation program of the Alumni, organized under the guidance of Respected Principal **Dr.A.M.Mahalle** and charge of Student Welfare **Dr.M.V.Jape.** The alumni that were felicitated are **Pallavi Chinchkhede** who has cleared UPSC Examination, **Parashram Akhare** who is a founder of the start-up Krushi Sarthi and **Pranav Sontakke** who is a Deputy Manager of SBI. The entire session was hosted by **Mahi K. Sagani, Institute Representative, GCOE, Amravati.** All the alumni talked about their journey and their college life. They said that they were thankful to the college as their college life has put a great impact on their career. **Hon. Dr. G. A. Dhomane, Dr.Manisha Jape, d Dr. Vilas Ghate** praised all of them and talked about their journey as college students. Also, the films on their journey were shown which motivated the students to excel in their careers. The films were edited by **Shashank Nasre, 3rd year Civil Engineering,** and the voice-over was given by **Mahi Sagani, 4th year CSE.** Overall session was organized by Core Team, GCOE, and Amravati and it was a huge success.

