

DEPARTMENT OF ELECTRICAL ENGINEERING

ACCREDITED BY NBA (TILL 2025)

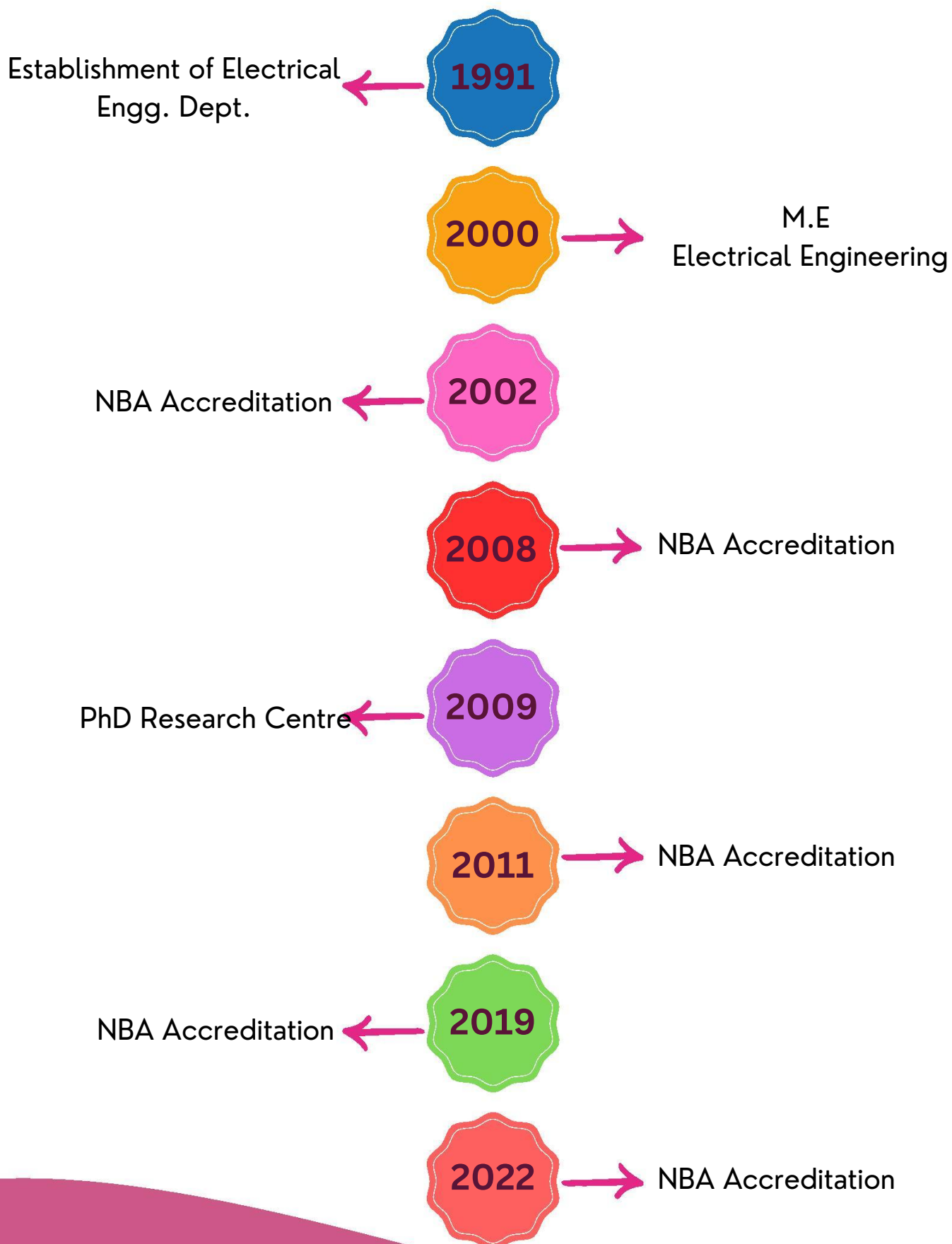
ELECTRICAL ENGINEERING STUDENTS' ASSOCIATION

The background of the entire page is a photograph of a renewable energy site at sunset. A large white wind turbine stands prominently in the center-left. In the foreground, rows of solar panels are visible, reflecting the golden light of the setting sun. In the background, several high-voltage electrical transmission towers are silhouetted against the orange and yellow sky. The sun is a bright, glowing orb on the horizon to the right.

OHM 23'

**ELEVATING POTENTIAL
IGNORING RESISTANCE!**

Department of Electrical Engineering MILESTONES





HOD's Message

With great pleasure I am presenting annual issue of Electrical Engineering Students' Association (EESA) Magazine 2023-24. Students have enthusiastically organized and participated in various curricular, co-curricular and extra-curricular activities through EESA. Various events were organized through EESA.

I appreciate efforts taken by complete EESA Committee for organizing various activities, such as, guest lectures, Electrabuzz 2k23, maintaining EESA library and other activities throughout the year under the guidance EESA Staff Advisors Prof. P. G. Jamdade and Prof. S. H. Yamalla.

I appreciate efforts taken by complete Magazine Committee for bringing out such a wonderful annual souvenir " OHM 24' " with a beautiful cover page.

I heartily congratulate all students who have secured prizes in different activities and competitions.

I would like to mention here that our strength is our faculty, Faculty members are actively involved in various search and consultation activities. Many faculty members have been invited as experts by various organization delivering guest lectures.

I along with my team, am extremely thankful to our Principal, Dr. M. R. Tarambale, for his complete support and encouragement for all EESA activities.

At the end, express grand success to all students!

Department of Electrical Engineering
Report for College Magazine AY 2023-24

Department Achievements:

- Prof. Dr. M. S. Thakare heads the department along with 13 teaching staff members and 7 supporting staff members. The department strength increases by joining of Prof. Priya M. Vyavhare to the Department on 16 July 2023. Electrical Engineering Department warm welcomes her.
- **The department is accredited Fourth Times by National Board of Accreditation (NBA) in June 2022 which is valid till June 2025.**
- The Department has the State of the Art Electric Vehicle Testing Laboratory and working in association with Belrise Industries Ltd., for developments in EV.
- The department received Certificate of appreciation by MathWorks, India adopting MATLAB and Simulink in the curriculum, Students Projects and Research in September 2024.
- The department has inaugurated the "Energy Club in association with the Mahavitaran" at the hands of Honorable Chief Guest Prof. Chetan Singh Solanki 'Solar Man of India', and Dr. Santosh Patani, Deputy Executive Engineer, Mahavitaran, Pune on 28th August 2023.
- The department has inaugurated "Solar PV charging station" for Electric two wheelers at the hands of 'Mr.Dnyaneshwar Mulay', Former High Commissioner of India to Maldives on Saturday, 09th September 2023 on the occasion of 'WORLD EV DAY'. The facility is provided to college student for charging their Two Wheelers EV at the free of cost.

Faculty Achievements:

- Prof. U. B. Sarode was awarded as a **Top performer (Topper)** among 834 candidates in NPTEL, AICTE Course 'Power System Protection and Switchgear' examination conducted by IIT Roorkee in October 2023.
- Dr. V. A. Joshi, was awarded as a **Top performer (5%)** among 3794 candidates in NPTEL, AICTE Course 'Research Methodology' examinations conducted by IIT Roorkee in October 2023.
- Dr. U. S. Thakar was awarded as a **Top performer (5%)** among 25880 candidates in NPTEL, AICTE Course Introduction to Internet of Things' examinations conducted by IIT Roorkee in October 2023.

Students Achievements







Mr. Kiran Vishnu Dagade of Electrical Engineering is awarded following Gold Medals by Savitribai Phule Pune University for having secured the highest number of marks and stood First at the B.E. (Electrical) examination April/May 2022.

1. The Late Ramakant (Dadasaheb) Manohar Ekbote Gold Medal
2. The G. H. Rasoni Gold Medal

Heartiest Congratulations to him ! The entire Electrical Engineering department is proud of him for his achievement. The medals were declared by the university on 29th December 2023.

Department Toppers in May 2023 Exam

SE Electrical (2019 PAT)				
1		Patil Umesh Latish	First	8.70
2		Aniket Prashant Mahajan	Second	8.48
3		Shruti Gangaram Salgaonkar	Third	8.39
TE Electrical (2019 PAT)				
1		Kaldhone Pratik Balu	First	9.67
2		Jadhav Vinay Appa	Second	9.31
3		Patil Snehal	Third	9.24

BE Electrical (2019 PAT)				
1		Bari Rohit Vinod	First	9.79
		Mahajan Piyush Raghunath		
2		Badhe Akshay Krishna	Second	9.62
3		Adake Sneha Mohan	Third	9.57

VISSION

To develop Electrical Engineering Department as one of the premier facility center for disseminating the state of the art education.

MISSION

- Providing Quality education in the field of Electrical Engineering.
- Developing State of the art facilities in the department.
- Creating platform Training, Research and Development
- Producing Sound electrical engineers catering need of industry and other stake holders.

MoU

A MoU was signed with MSEDCL on 3rd August 2023 for offering internships and projects for students of the department.



Staff Activities and Achievements

- Prof. Dr. Mrs. V.A. Joshi completed successfully 8 Week NPTEL Online Certification Course on 'Research Methodology' during July- November 2023
- Dr. M.P. Bhawalkar completed successfully 8 Week NPTEL Online Certification Course on 'Power Quality' during July- November 2023
- Dr. M.P. Bhawalkar attended IEEE PES DLP on 'Insights into Design of Transformers' by Dr. S. V. Kulkarni, Institute Chair Professor, Dept. of Electrical Engineering, IIT, Mumbai on 29th September 2023
- Prof. Mrs. P.R. Khatri completed successfully 8 Week NPTEL Online Certification Course on 'Power Electronics' during July- November 2023
- Prof. Mrs. P.R. Khatri attended IEEE PES DLP on 'Insights into Design of Transformers' by Dr. S. V. Kulkarni, Institute Chair Professor, Dept. of Electrical Engineering, IIT, Mumbai on 29th September 2023
- Prof. U.B. Sarode completed successfully 8 Week NPTEL Online Certification Course on 'Switchgear and Protection' during July- November 2023
- Prof. U.B. Sarode (Under ISTE) attended one week FDP on "Recent Trends in Renewable Energy Systems" organised by JSPM's Rajashri Shahu College of Engineering , Pune during 3.10.23 to 9.10.23
- Dr. Mrs. U.S. Thakar completed successfully 8 Week NPTEL Online Certification Course on 'Internet of Things' during July- November 2023
- Prof. O.S. Pawaskar completed successfully 8 Week NPTEL Online Certification Course on 'Advances in UHV Transmission' during July- November 2023
- Prof. Mrs. G.M. Karve attended IEEE PES DLP on 'Insights into Design of Transformers' by Dr. S. V. Kulkarni, Institute Chair Professor, Dept. of Electrical Engineering, IIT, Mumbai on 29th September 2023
- Prof. Mrs. G.M. Karve attended 5 Days Online STTP on "How to Analyze and Write Quality Research Paper", Organized by Mauli Group Of Institution's College Of Engineering & Technology Shegaon, Amravati during 3rd to 7th October 2023
- Prof. Ms. P. M. Vyavhare completed successfully 8 Week NPTEL Online Certification Course on 'Power Electronics' during July- November 2023

Guest Lectures

- A guest lecture on “Basics of Sliding Mode and Adaptive Control” by Dr. Shaileja Kurode was arranged on 30th October 2023 for BE Electrical students.
- A guest lecture on “Energy Storage System” by Dr. Pooja Kulkarni was arranged on 28th October 2023 for TE Electrical students.
- A guest lecture on “Power Quality Management” by Mr. Aniket Datar was arranged on 27th October 2023 for BE Electrical students.
- A guest lecture on “Power Electronics” by Dr. Avinash Purandare was arranged on 27th October 2023 for TE Electrical students.
- A guest lecture on “Programmable Logic Controller” by Prof. D. V. Kulkarni was arranged on 26th October 2023 for BE Electrical students.
- A guest lecture on “Power Generation Technology” by Mr. Arvind Paranjape was arranged on 26th October 2023 for SE Electrical students.
- A guest lecture on “Analog and Digital Electronics” by Prof. Vishakha Tarange was arranged on 20th October 2023 for SE Electrical students.
- A guest lecture on “Electrical Machine II” by Prof. M. G. Unde was arranged on 20th October 2023 for TE Electrical students.



Guest lecture by Mr. Arvind Paranjape



Guest lecture of by Dr. Shaileja Kurode



Guest lecture by Prof. Vishakha Tarange



Guest lecture by Prof. M. G. Unde



Guest lecture by Mr. Aniket Datar



Guest lecture by Dr. Avinash Purandare



Guest lecture by Prof D. V. Kulkarni



Guest lecture by Dr. Pooja Kulkarni

Technical Event / Non Technical Event

- Hands on Workshop Introduction to AI and Application of AI Tools was organized by Electrical Department in association with A Consultancy on 26th August 2023. Dr. Amey Pangarkar, our alumnus of pass-out batch 2011, conducted the workshop.



- Half day Python Training program was organized by EESA for SE and TE Electrical Students on 31st October 2023. The students Mr. Umesh Patil and Mr. Dhanaji Ramtirthe from TE Electrical conducted the program.



- A Python Training program was organized by for SE Electrical Students on 11th – 12th January 2024. Mr. Abhishek Gavare and Mr. Shahuraj Salve – students of B.E. Electrical, conducted the program.



- A hands on training program on “Fundamentals of Model Based Design using MATLAB” was conducted for BE Electrical Students on 23rd and 25th October 2023 in association with Mathworks and DesignTech Systems.



- Department of Electrical Engineering along with Energy Club celebrated World EV day 2023 by inaugurating “Green Electric Two Wheeler Solar PV Charging Station” on 9th September 2023 at the hands of Dr. Dnyaneshwar Mulay, Former High Commissioner of India to Maldives.



- An Inauguration of Energy Club and launch of Value - added Course on “Sustainable Development” was done on 28th August 2023. The Solar Man of India – Dr. Chetan Singh Solanki delivered a talk on “Climate Changes and Awareness of Harvesting Solar Energy” on this occasion. The club is formed in association with MSIEDCL. Mr. Santosh Patni from MSIEDCL also addressed the gathering.



- 13 Students of SE Electrical and 2 Students from TE Electrical attended a 5-day training program with Konkan Railways Corporation from 15th January 2024 to 19th January 2024, under the banner of "SEPS: Skilling Engineers for Professional Success"



- Engineers Day was celebrated on 15th September 2023. Following projects of students of Electrical Engineering were awarded as Best Projects by Mr. Bhuvanesh Kulkarni in the memory of his late brother. Students received a certificate and cash prize.

Name of the student	Name of the Guide	Title of the Project
Jivan Yashwant Pawar	Prof. O. S. Pawaskar	IoT-Based Electrical Multi parameter analyzer
Vedang Acchyt Kulkarni		
Narendra Mahesh Dikole		
Yashraj Sharad Jambhale		
Devwallabh Narendra Kulkarni		
Suyash Satish Kothawade	Prof. U. B. Sarode	Dual axis solar tracker
Prashant Prakash Kharat		
Satyam Sunil Kakade		
Vishwajeet Santosh Nanwate		
Shivani Tajane	Prof. Dr. M. S. Thakare	Design and analysis of IOT interfaced E-bike
Payal Tadavi		
Tanaya Jadhav		
Anuja Patil		

- Internship Evaluation by Alumni and Industrial Experts** - TE Electrical students' Internships were evaluated on 12th January 2024. Our alumni Mr. Unmesh Mathadhikari (2007 batch) and Mr. Mandar Dahigaonkar (2013 batch) along with Dr. Mridal Malakar from Belrise Industries evaluated students on various parameters and guided the students for future.



- **Samvidhan Day celebration** - Department of Electrical Engineering celebrated Samvidhan Day on 30th November 2023. Students of SE Electrical Class read preamble of the constitution and took pledge



- Conducted High Voltage Engineering Experiments for the students of Dnyanashree Institute of Technology, Satara on Friday, 03 November 2023.

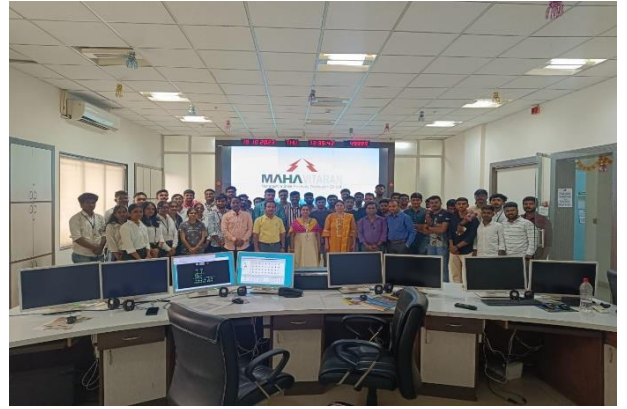


Industrial Visits

- An industrial visit to “Duroshox Pvt. Ltd. Pune” was arranged for Power Electronics Subject on 1st November 2023 for TE Electrical students.
- An industrial visit to “Adya Environment Biogas Plant, Taljai Pune” was arranged for Electrical Alternate Energy Systems Subject on 31st October 2023 for BE Electrical students.
- An industrial visit to “Avihas Equipments Pvt. Ltd. Pune” was arranged for Electrical Machine II and EIDCM Subjects on 26th October 2023 for TE Electrical students.
- An industrial visit to “YENKAY Calibration Lab Pune” was arranged for Electrical Measurement and Instrumentation and Material Science Subjects on 24th October 2023 for SE Electrical students.
- An industrial visit to “SCADA Center MSEDCL Pune” was arranged for PLC and SCADA Subject on 19th October 2023 for BE Electrical students.
- An industrial visit to “EV Charging Station of PMPML Pune” was arranged for E&HV Subject on 5th October 2023 for BE Electrical students.
- An industrial visit to “Residential Rooftop Solar PV System” was arranged for Alternate Energy Systems Subject on 31st August 2023 for BE Electrical students.



EV Charging Station of PMPML Pune



SCADA Center MSEDCL Pune



Residential Rooftop Solar PV System



Avihas Equipments Pvt. Ltd. Pune



YENKAY Calibration Lab Pune



Duroshox Pvt. Ltd. Pune

Placement Data

In the ongoing process of Campus Placements for AY 2023-24, till January 2024, following students from Electrical Engineering are placed in reputed core industries.

Sr. No.	Name of the student from Electrical Engineering	Name of the Company
1	Satvik Kushle	Atlas Copco
2	Vaishnavi Satish Shewale	Atlas Copco
3	Vikrant Ganesh Gujar	Atlas Copco
4	Madhav Pitre	SMS Group
5	Snehal Patil	SMS Group
6	Umesh Umrani	SMS Group
7	Sakshi Mardhekar	CleanMax
8	Omkar Rasam	CleanMax
9	Anurag Ravikiran Lad	Wipro Pari
10	Dhiraj Digambar Rane	Wipro Pari
11	Shruti Hemant Daroli	Wipro Pari
12	Hemant Dixit	Wipro Pari

Interaction with Outside World

A) Representation of faculty at Savitribai Phule Pune University-

- Dr U S Thakar is working as member, Board of Studies for Printing Technology at SPPU.

B) IEEE representation-

1. Dr. M.P. Bhawalkar has been nominated to work as Treasurer of IEEE Pune Section.
2. Dr. M.P. Bhawalkar is working as Vice Chair of PES-IAS Chapter of IEEE Pune Section.

C) Department Advisory Board Member at other Institute-

- Dr. M. S. Thakare is a Member of Syllabus Review Committee of Dr. D. Y. Patil University, Akurdi, Pune.
- Dr. Vrunda Joshi is working as a member, Board of Studies, Electrical Engineering at Modern College of Engineering, Pune
- Dr. Vrunda Joshi is working as a member, Board of Studies of Electrical Engineering at JSPMs Rajarshi Shahu College of Engg., Pune
- Dr. M.P. Bhawalkar is working as Board of Studies Member of Department of Electrical Engineering at PES Modern College of Engineering Pune
- Dr. M.P. Bhawalkar is working as Subject core group member at Cusrow Wadia Institute of Technology for preparing structure and syllabus of Diploma in Electrical Engineering under NEP regime.

D] Judges/Reviewer/ Session chair-

- Dr M. S. Thakare worked as an examiner for Ph. D, UG & PG Dissertation exams (COEP Technological University, Pune (Government COEP, Pune).
- Dr M. S. Thakare worked as a Subject Expert for Research Progress Committee at Symbiosis International University (SIU), Pune
- Dr. Vrunda Joshi worked as a subject expert for Research Advisory Committee for PhD at Symbiosis Institute of Technology (SIT), Pune
- Dr. M.P. Bhawalkar worked as Subject Expert for Ph.D. Registration Seminar at Electrical Department, AISSMS COE, Pune Sept 2023
- Dr. Vrunda Joshi was nominated as a subject expert for DRTC interviews for DRDO Technical Officers on 24th July 2023.
- Dr. Vrunda Joshi was nominated as an expert committee member for Dare to Dream 4 DRDO proposal evaluation on 21 June 2023.
- Dr. Vrunda Joshi worked as a committee member for Preliminary Design Review of M-1 Missile Launcher System at R& DE(Engrs), DRDO Laboratory on 3 Jan 2024
- Dr. M.P. Bhawalkar attended India PES Chapter Meet at IIIT Gwalior and represented PES Chapter IEEE Pune.
- Dr. M.P. Bhawalkar attended Secretary/Treasurer's conclave at Lonavala and Bangalore and represented IEEE Pune Section.

E] Guest speaker/Resource person-

- Dr. M. S. Thakare delivered an expert lecture on "Solar Power EV Charging Station : Design, Technology, Policies, Challenges" at ATAL FDP on Empowering Electric Vehicle Technology and Integration, organized by SVEIRCOE, Pandharpur on 22nd December 2023
- Prof. Mrs. R. A. Ranjekar extended support and guidance for preparation of NAAC SSR and DVV and for preparations of NAAC Peer Team visit at PVG's College of Science and

Sponsored Projects

Name	Guide	Topic	Sponsor
Mangave Avadhut	Dr. Mrs. V. A. Joshi	Design And Development of a Robotic Hand And Corresponding Control Glove	R&D(E),Drdo Lab, Dighi, Pune
Bharaskar Swaroop			
Pitre Madhav			
Nagargoje Aditya			
Daroli Shruti	Dr. M. P. Bhawalkar	Electric Propulsion System for Lifeboats	Tolani Maritime Institute
Dixit Hemant			
Rajput Prathmesh			
Mujawar Swaliha			
Agarwal Aditya	Prof. Mrs. R. A. Ranjekar	IoT In Instrumentation	Atlas Copco
Lad Anurag			
Kolte Harshal			
Gaware Abhishek			
Bade Rushikesh	Prof. Dr. M. S. Thakare	Design And Performance Analysis of Electric Motors Using Ansys Maxwell	Belrise Systems
Sabnis Adityawardhan			
Mardhekar Sakshi			
Rasam Omkar	Dr. M. P. Bhawalkar	Air Compressor Control Using PLC	Atlas Copco
Thombare Kamlesh			
Kushle Satvik			
Pandhare Prajakta			
Jadhav Vinay	Prof. O. S. Pawaskar	Deviation Settlement Mechanism for Renewable Energy In Regulatory Sector	Prayas Systems
Kaldhone Partik			
Khade Vivek			
Wale Sayee			
Tilekar Sarvesh	Dr. M. S. Thakare	Design of Smart Starter	Atlas Copco
Gujar Vikrant			
Mali Aniket			
Umarani Umesh			

INAUGURATION

The Inauguration function of the Electrical Engineering Students Association (EESA) held on Monday, 16th October 2023, at 10:15 am, organized by the Department of Electrical Engineering at PVG's College of Engineering and Technology, Pune, was a significant event marking the beginning of the academic year. The session aimed to introduce the EESA committee of 2023 and recognize students who excelled in the MPSC examinations. Mr. Yasraj Dalvi, an accomplished individual with a background in Electrical Engineering from PVG College, and



Mr. Rounak Khabe, renowned as the Aalsi Engineer, graced the occasion as the Guest of Honour and Chief Guest respectively. Mr. Dalvi's journey from being a top performer in the university to his successful career path, along with

Mr. Khabe's transformative work through Aalsi Engineer, inspired the students. The cultural segment added vibrancy to the event, with TE and SE students showcasing their talents through dance and music. Overall, the inauguration function not only celebrated academic achievements but also promoted cultural heritage and unity within the electrical engineering community. The speeches delivered by the esteemed guests provided



valuable insights, encouraging students to approach their academic journey with a fresh perspective. It was a collaborative effort between the department and EESA committee members, making it a memorable and impactful event for all involved.

ARM WRESTLING & CHESS COMPETITION

On September 16, 2023, the Electrical Engineering Student Association hosted a unique and contrasting event featuring physical strength and strategic intellect- arm wrestling and chess computation.



The event aimed to celebrate diversity in sports and mind games, providing a platform for participants to showcase their prowess in these distinct domains.

The arm wrestling competition witnessed intense battles, showcasing raw strength and determination. Participants engaged in fierce contests, demonstrating their physical prowess and sportsmanship. The chess computation segment, on the other hand, emphasized mental acuity and strategic thinking. Competitors navigated the chessboard with precision, employing tactics and foresight to outwit their opponents.

The winners of the arm wrestling competition were celebrated for their physical prowess, while the chess computation champions were recognized for their strategic brilliance. The prize distribution ceremony honored these exceptional individuals, highlighting the significance of both physical and mental fitness. The event successfully brought together enthusiasts from different backgrounds, fostering a spirit of camaraderie and mutual respect.

ELECTRABUZZ 23'

The annual flagship sports event, Electrabuzz, orchestrated by the Electrical Engineering Student Association, illuminated the campus from October 17th to October 18th, 2023. This dynamic two-day spectacle transcended boundaries, welcoming students from diverse academic disciplines to partake in a harmonious fusion of technical prowess and spirited athleticism.

The grand inauguration ceremony, graced by the esteemed presence of Chairman S.P. Redekar, Institute Director R.G. Kaduskar, and Institute Principal Dr. M.R. Tarambale, set the stage for an exhilarating extravaganza.

With meticulous planning, the organizing committee orchestrated a diverse array of 10 sports events tailored to cater to the multifaceted interests of participants. Three technical challenges - Symbol Tools, Circuit Fixer, and Technical Quizzes - stood alongside seven non-technical delights, including classics like Tug-of-War and Dumb Charades, as well as modern favorites like BGMI (Battle Grounds Mobile India). This rich tapestry of events ensured there was something for everyone, fostering inclusivity and enthusiasm amongst the participants.



The hallmark of Electrabbuzz 2023 was not only the caliber of the games but also the distinguished guests who graced the occasion, infusing the event with an air of prestige and importance. The active engagement of over 100 participants from various branches underscored the event's significance within the student community. Their spirited participation and sportsmanship elevated the atmosphere, transforming the campus into a vibrant arena of competition and camaraderie.

As the curtains drew to a close on Electrabbuzz 2023, the resounding success of the event was evident. The seamless coordination and tireless efforts of the organizing committee, coupled with the enthusiastic participation of students, culminated in an unforgettable experience. Beyond the thrill of victory and the camaraderie of competition, Electrabbuzz served as a beacon of unity and excellence within the student body.

In reflection, Electrabbuzz stands as more than just a sporting event; it is a celebration of collaboration, determination, and the indomitable spirit of the student community. As the event concluded, the legacy of Electrabbuzz reverberated throughout the campus, leaving an indelible mark on the institute's annual calendar. With gratitude to sponsors LA FIT, ATHER, and PRAJ ELECTRICALS, Electrabbuzz continues to inspire and unite students in their pursuit of technical and non-technical excellence.



DEPARTMENT DAY DECORATION

We are delighted to present a report on the successful participation of the Electrical Department in the Department Day Decoration event held on January 31, 2024, as part of the Traditional Day celebrations at our college. .



The primary objective of the event was to foster creativity, teamwork, and departmental pride, with each department given the opportunity to showcase its unique identity through imaginative decorations. This year, the Electrical Department chose a theme that paid tribute to the legendary Chhatrapati Shivaji Maharaj, titled "शिवकालीन सुशासन", embodying his visionary leadership and indomitable spirit.

The decorations, meticulously crafted by dedicated students and faculty members, artfully blended historical significance with modern creativity, symbolizing the enduring power within our department. The theme was divided into six departments, each meticulously executed to reflect aspects of Shivaji Maharaj's era, such as agriculture, entertainment, education, marketplaces, royal courts, and sports. Despite the constraints outlined by the evaluation panel, including limitations on wall decorations and volume of music, our team creatively utilized projectors, recycled materials, and exhibition techniques to bring our theme to life. The highlights of our decoration included depictions of key events from Shivaji Maharaj's life, seamlessly integrated electrical symbolism, and a remarkable collaborative effort that emphasized unity and dedication.

We are proud to report the enthusiastic response our decoration received from both the college community and the judging panel, recognizing our creative interpretation of the theme and innovative use of materials.

Our participation in this event was not only fulfilling but also served as a testament to the creativity and dedication of the Electrical Department, for which we express our sincere gratitude to the college administration for providing such a platform.



PYTHON WORKSHOP

The Department of Electrical Engineering at PVG's College of Engineering and Technology, Pune, hosted an enriching "Hands-on Workshop of Python" on Friday, 31st October 2023, at 10:00 am in Computer Lab No.103. Aimed at second and third-year students, the workshop sought to introduce the fundamentals of Python programming language and its diverse applications through practical engagement.



Led by student facilitators Mr. Dhanaji Ramtirthe and Mr. Umesh Patil, along with support from EESA committee members, the session spanned approximately three hours, emphasizing interactive learning and coding exercises. Beginning with an overview of Python, the workshop progressed to cover topics ranging from basic syntax and data types to more advanced concepts such as functions, modules, and data

structures like lists, tuples, and dictionaries. Participants were encouraged to code alongside the instructor, fostering a deeper understanding of programming principles and Python's utility.

Feedback from attendees highlighted the efficacy of the hands-on approach and expressed interest in further sessions focusing on advanced topics like web development frameworks and data science libraries.

Ultimately, the workshop succeeded in enhancing participants' familiarity with Python syntax, instilling confidence in their ability to navigate the language, and laying a robust foundation for future exploration. Such initiatives underscore the department's commitment to equipping students with essential programming skills relevant in today's technology-driven landscape.



5 DAYS HANDS ON WORKSHOP ON TRANSFORMER DESIGN

We are excited to share a report on the successful organization of the Transformer Workshop at PVGCOET, held from 4th February 2024 to 8th February 2024, aimed at providing hands-on experience in Transformer design.

The workshop's primary objective was to impart practical knowledge and understanding of the construction and operation of single-phase and three-phase Transformers, focusing on their design aspects. .

Material selection played a crucial role, with emphasis on quality components such as CRNO, copper, insulation papers, and Bakelite bobbins.



Vishal Tathe Sir, an expert in Transformer design, led the workshop, drawing on his extensive experience in the field.



Participants actively engaged in practical sessions, learning the intricacies of Transformer design over the five-day workshop period.

Topics covered included Transformer design principles, numerical exercises, stamping techniques, winding of copper coils (both primary and secondary), and the critical task of fixing Bakelite bobbins onto the limb. Despite the challenges, students demonstrated initiative and determination, successfully completing the assigned tasks within the workshop duration. In conclusion, the Transformer Workshop at PVGCOET facilitated knowledge exchange and skill development, providing students with valuable hands-on experience in Transformer design, thereby enhancing their understanding and proficiency in the field.

GUEST LECTURE

On Wednesday, 28th February guest lecture for S.E Electrical engineering students was organised by Electrical Engineering Department and Electrical Engineering Student Association (EESA). This lecture was taken by proud alumni Mr.Narendra Gosavi. Narendra sir is working as a general manager in TNBi Automation Ltd. This lecture started by felicitating the guest by the hands of Respected Head of the Department Dr.M.S.Thakre sir. EESA staff Coordinators Mr.Suresh Yamalla and Mr.Parikshit Jamdade Mr.Uday Sarode ,EESA General Secretary and Joint General Secretary were also present for the lecture.

Topic of the Lecture was 'Establishing Career Objectives through Electrical Engineering'. Narendra sir made this lecture really amazing by giving few group activities. He had a lot of real life examples and few experiences he experienced in his career journey which made the session even more interesting. He had also prepared some slides for us because of which it was easier to understand whatever he was trying to tell. The session was concluded by giving vote of thanks.



WOMEN'S DAY CELEBRATION

On March 8, 2024, a session on Stress Management and Mental Wellbeing was organized on the occasion of Women's Day by the Electrical Engineering Students Association (EESA), Department of Electrical Engineering. The session was conducted by Dr. Resha Abhyankar, an esteemed expert in the field. She is one of the founder members of the psychology department of MIT-WPU. She has also worked as a co-researcher in many hospitals. She has been practicing for the last 24 years. Recognizing stress management is a common problem among both boys and girls, the session was aimed at equipping the students with valuable strategies to cope with everyday stress.

It started off with a friendly introduction, where we all agreed that stress is something everyone experiences at some point. Then, we had some talks and activities to show us practical ways to handle stress.

Throughout the session, Abhyankar mam shared her wisdom with us. She talked about all sorts of things that stress us out, like school work, friendships, and feeling like we have to be perfect all the time. But she also told us that it's okay to ask for help when we need it and that we don't have to do everything by ourselves. That was pretty reassuring to hear!

Hearing how other people deal with stress gave us some new ideas to try out ourselves. She also talked about gender equality. She said that there should be equal opportunities for both males and females.

Abhyankar mam handles a lot of cases like depression, etc. She shared her experience of her work. And it was really nice to listen to her.



Key points of the session were:

- Stress is a common experience among students of all genders, and it is essential to prioritize mental wellness.
- Practical strategies such as stress relief techniques, time management, and self-care practices can help students effectively manage stress.
- Peer support and access to resources are crucial elements in promoting mental health awareness and support within the school community.

The session on stress management by Dr. Mrs. Resha Abhyankar mam for students provided valuable insights, practical tools, and a supportive environment for boys and girls to address common challenges related to stress and mental wellness. By fostering open dialogue, providing resources, and promoting peer support, the session contributed to creating a culture of mental health awareness and support within the school community. The session ended with expressing our gratitude to Abhyankar Mam for sharing her expertise and insights with us, enriching our understanding of stress management.



SESSION ON HOW TO CRACK PLACEMENT INTERVIEWS

The Department of Electrical Engineering at PVG's College of Engineering and Technology, Pune, orchestrated an enlightening orientation session titled "How to Crack Placement Interviews" on Friday, 9th February 2024, at 10:15 am in Classroom No.204. Aimed at preparing third-year (TE) students for the forthcoming placement season, the session was designed to offer valuable insights and guidance essential for navigating the interview process.

Dr. Naresh Jaiswal, the Training and Placement Officer of PVG's COET & GKPIOM, Pune, served as the distinguished guest speaker, sharing invaluable information about the college's training and placement initiatives and elucidating the industry's expectations from Electrical Engineering graduates. The session encompassed vital topics including resume writing, placement tips, group discussion strategies, and recommended areas of study for enhancing employability.



To enhance reliability and student-centricity, already placed BE Electrical students were invited as facilitators, including Mr. Madhav Pitre, Mr. Avadhut Mangave, Mr. Vikrant Gujar, Mr. Umesh Umarani, and Ms. Vaishnavi Shewale, who shared their personal experiences and imparted valuable tips based on their successful placement journeys. This initiative, propelled by the proactive involvement of already placed students, underscores a strong sense of camaraderie within the department and a collective commitment to supporting peers amid industry challenges.

The session proved to be a pivotal platform for TE students to glean insights into the placement process, draw from the experiences of their seniors, and equip themselves with indispensable skills to excel in interviews. The collaborative effort between the department and already placed students significantly enhanced the session's efficacy, rendering it a notable event within the Electrical Engineering community at PVG's College of Engineering and Technology, Pune.



3 DAYS HANDS ON WORKSHOP ON ANSYS MAXWELL

The Department of Electrical Engineering at PVG's COET & GKPIOM, Pune, is conducting a three-day hands-on training program on "Application of Ansys Maxwell Software in Electrical Engineering," in collaboration with Arkane Solutions, Pune, scheduled from 28th February to 1st March 2024.

Ansys Maxwell, renowned as the industry-leading electromagnetic field simulation software, caters to diverse needs like the design and analysis of electric motors, sensors, transformers, and electromechanical devices. This program aims to furnish participants, particularly beneficial for students of the TE subject "Computer-Aided Design of Electrical Machines (CADEM)," with an in-depth understanding of the software fundamentals and its practical applications in electrical machine analysis.

The course, running from 10:00 AM to 4:00 PM daily in Room 003 of the Department of Electrical Engineering at PVG's COET & GKPIOM, Pune, features a comprehensive schedule covering topics like Introduction to Ansys EM, Transformer Design, Motor Design, and case studies on Induction Motor and BLDC Motor.

Upon successful completion, participants will receive a certificate. The workshop is organized by the Department of Electrical Engineering, with coordination from Dr. Mangesh S. Thakare and Dr. Mr. M.P. Bhawalkar. Experts from various domains will facilitate sessions, including representatives from Arkane Solutions Pvt. Ltd. and Belrise Industries Ltd. This initiative promises a dynamic learning experience bridging theoretical knowledge with practical applications, fostering a deeper understanding of electrical engineering concepts among participants.



ELECTRABUZZ

2K23

ESPORTS- BGMI CONTEST

TUG OF WAR

GUESS THE WORD

DUMB CHARADES

TECHNICAL QUIZ

GET THE BOX

CIRCUIT FIXER

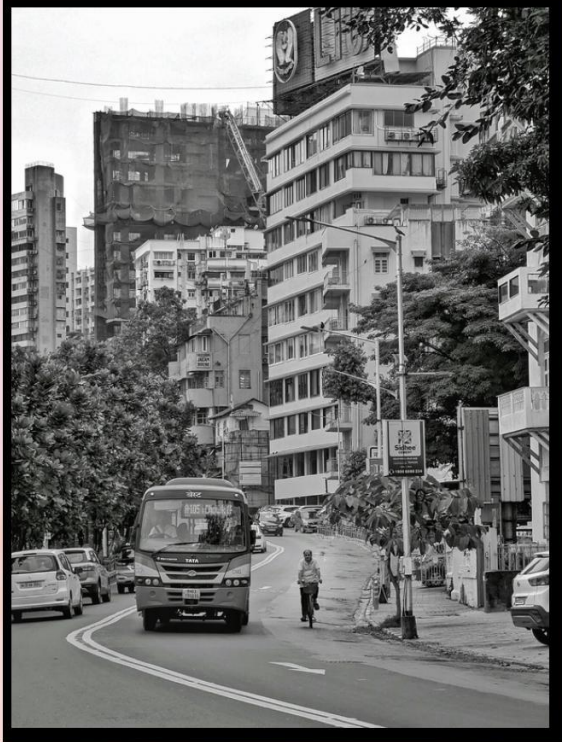
SQUID GAME

SYMBOL TOOLS

CROSS-FIT CONTEST



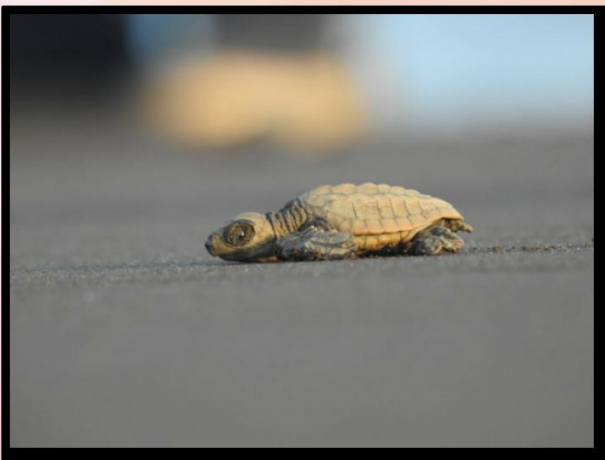
Photography



Yayatiraj Bavaskar
TE Electrical



Aniruddha Rekhe
TE Electrical



Drushti Chilveri
SE Electrical



SE Electrical

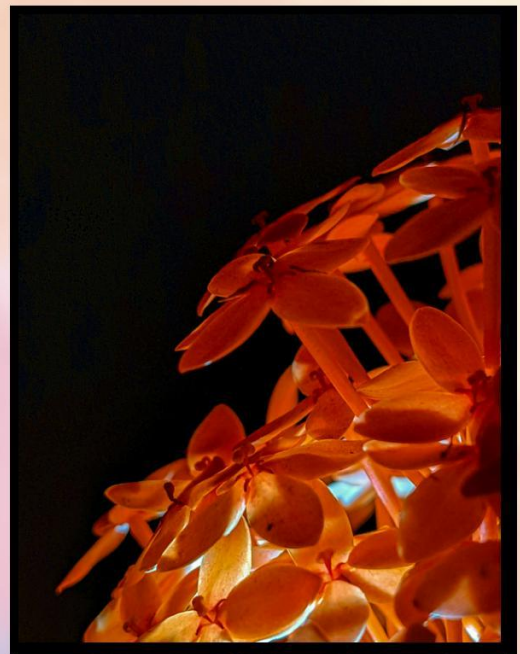
Photography



Drushti Chilveri
SE Electrical



Sujay Jawarkar
SE Electrical

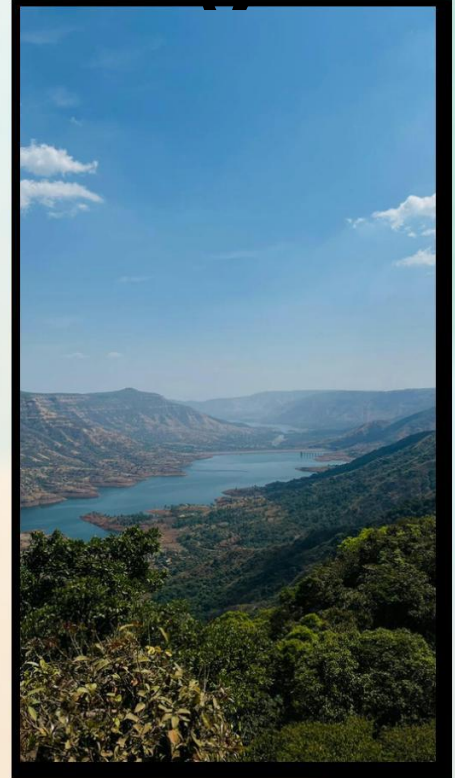


Sujay Jawarkar
SE Electrical

Photography



Avantika Dhumal
TE Electrical

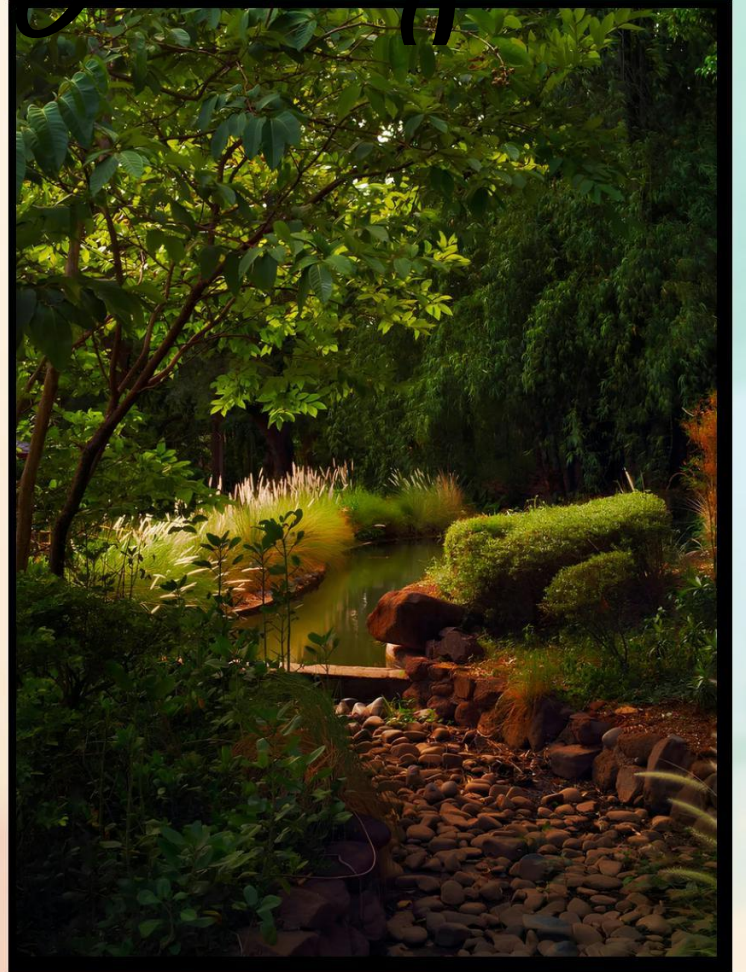


Avantika Dhumal
TE Electrical



Ishani Jadhav
SE Electrical

Photography

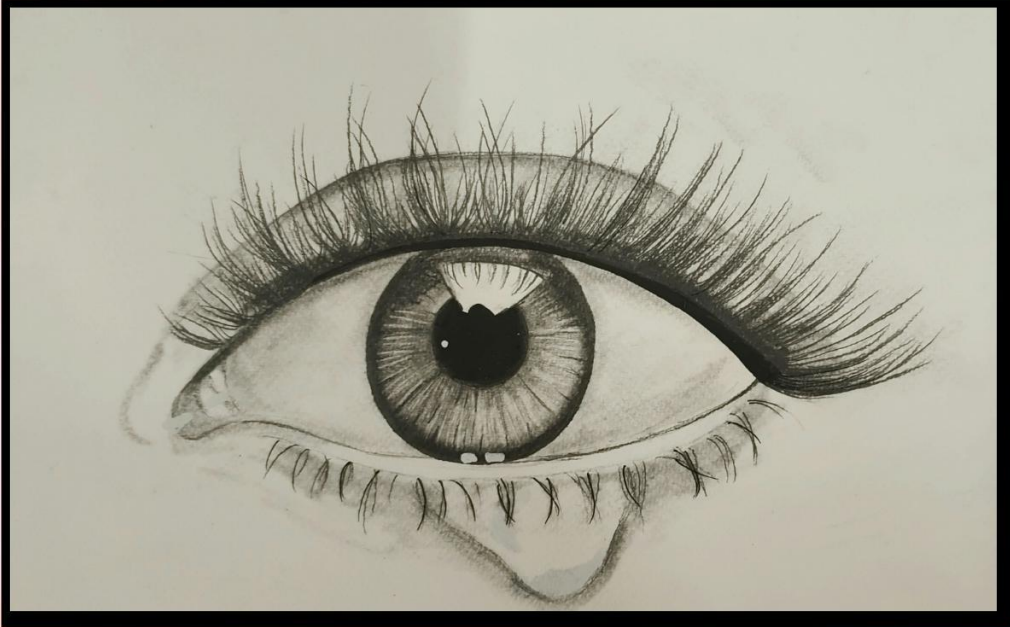


Sujay Jawarkar
SE Electrical

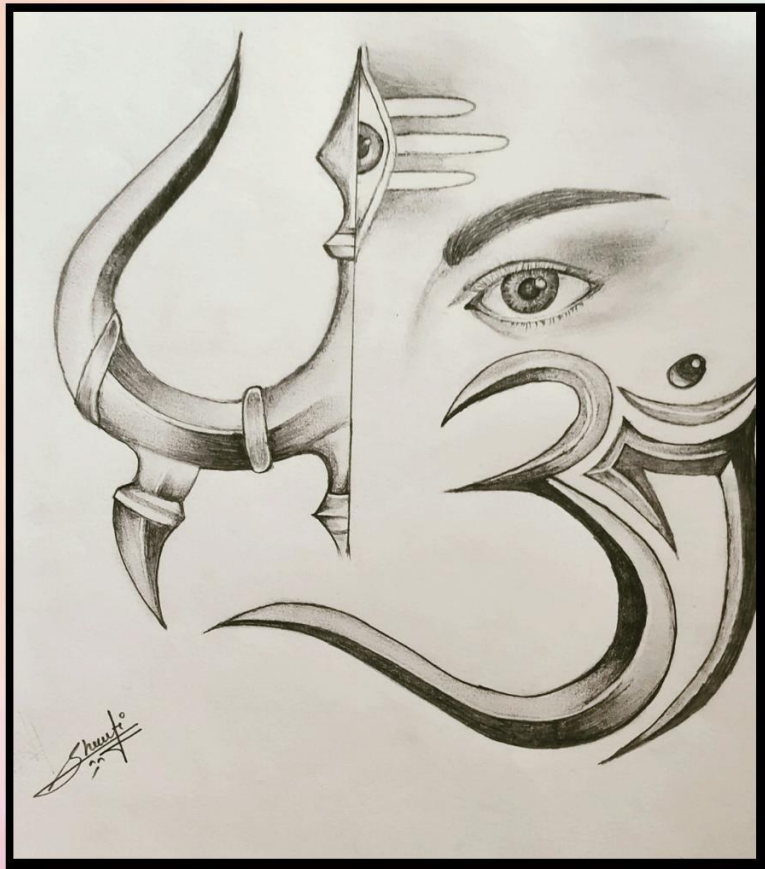




Palette & Pencil



Shruti Hingane
TE Electrical



Shruti Hingane
TE Electrical

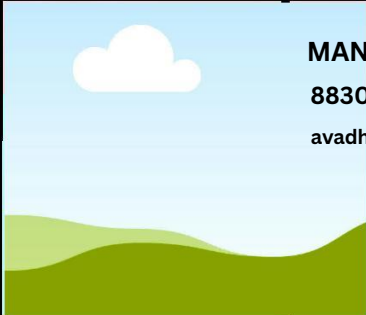
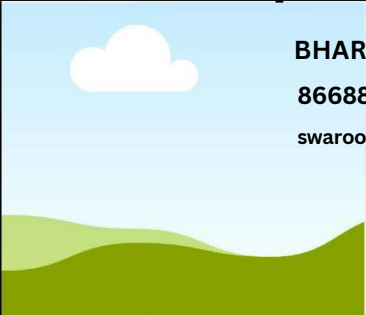
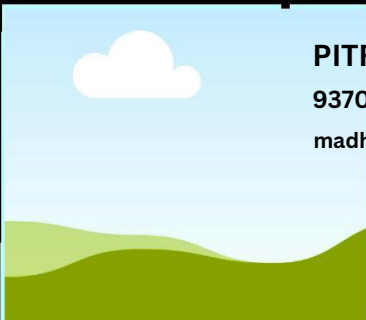
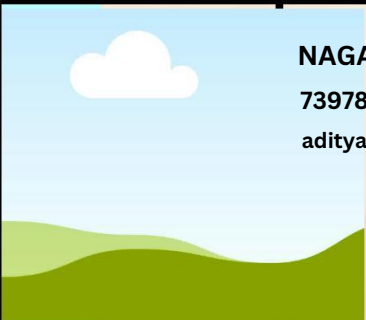
Palette & Pencil


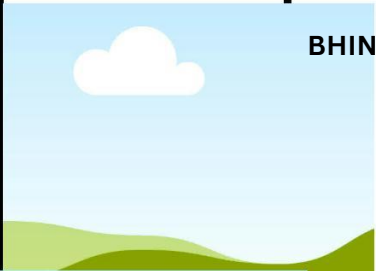
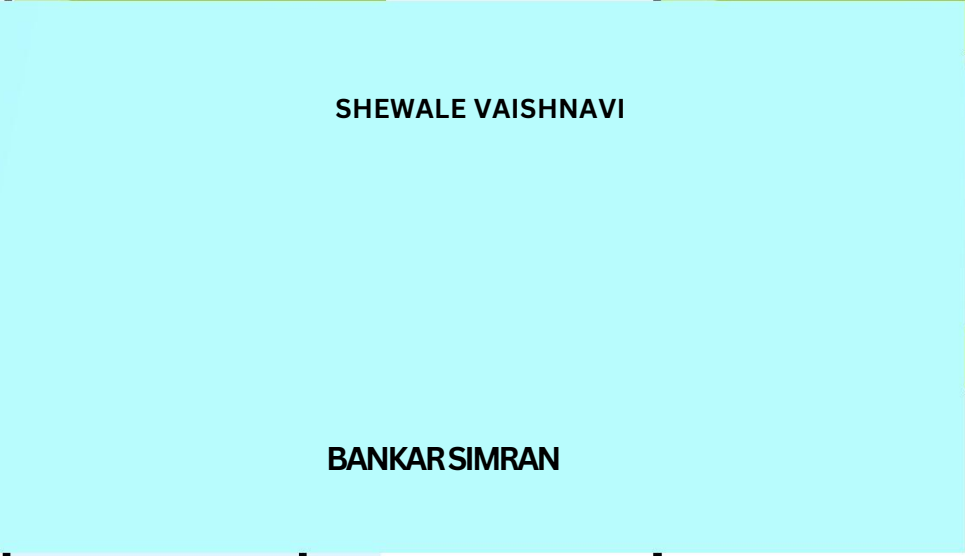







Tanish Dange
TE Electrical










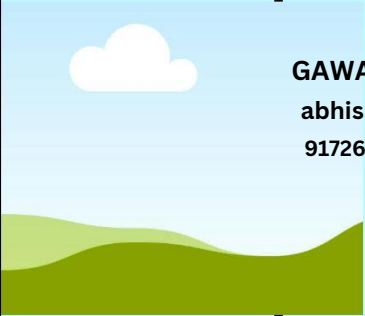
Tanish Dange
TE Electrical

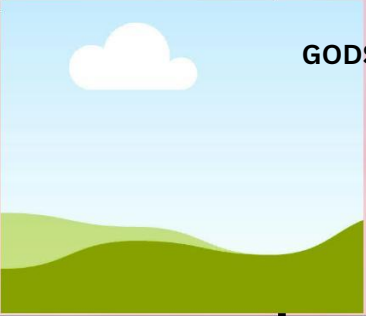
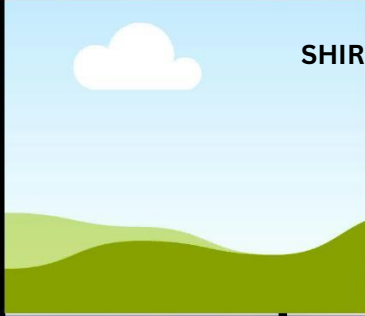
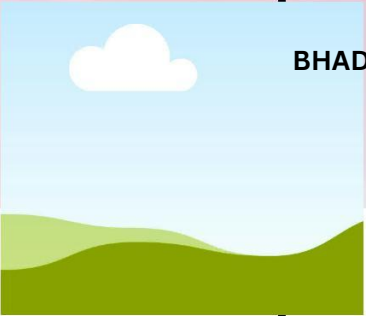

Name Of Project: Design and development of a robotic hand and corresponding control glove			
Guide:	Dr. Mrs. V. A. Joshi		
Group. No.:	1		
	MANGAVE AVADHUT 8830470888 avadhutmangave@gmail.com		BHARASKAR SWAROOP 8668829381 swaroopbharaskar20@gmail.com
	PITRE MADHAV 9370139299 madhavpitre1263@gmail.com		NAGARGOJE ADITYA 7397882488 adityanagargoje11@gmail.com



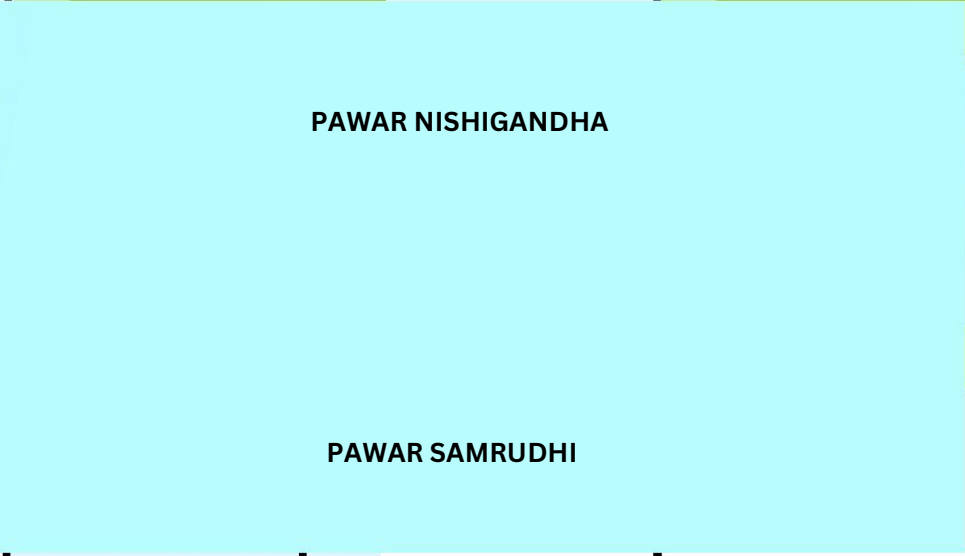


Name Of Project: Automated Guided Vehicle (Mini Model)			
Guide:	Dr. S. T. Gaikwad		
Group. No.:	2		
	SALAVE SHAHURAJ		BHINTADE ASHISH
			PATIL SNEHAL
	BANKARSIMRAN		


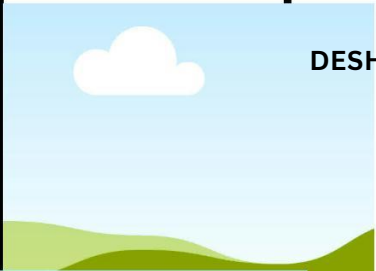



Name Of Project: Electric propulsion system for lifeboats			
Guide:	Dr. M. P. Bhawalkar		
Group. No.:	3		
	 DAROLI SHRUTI shruts59@gmail.com 9765240771	 DIXIT HEMANT hemantchida@gmail.com 7350000947	
	RAJPUT PRATHMESH prathmeshrajput650@gmail.com 9665289325	 MUJAWAR SWALIHA swalihamujawar72@gmail.com 9130132690	



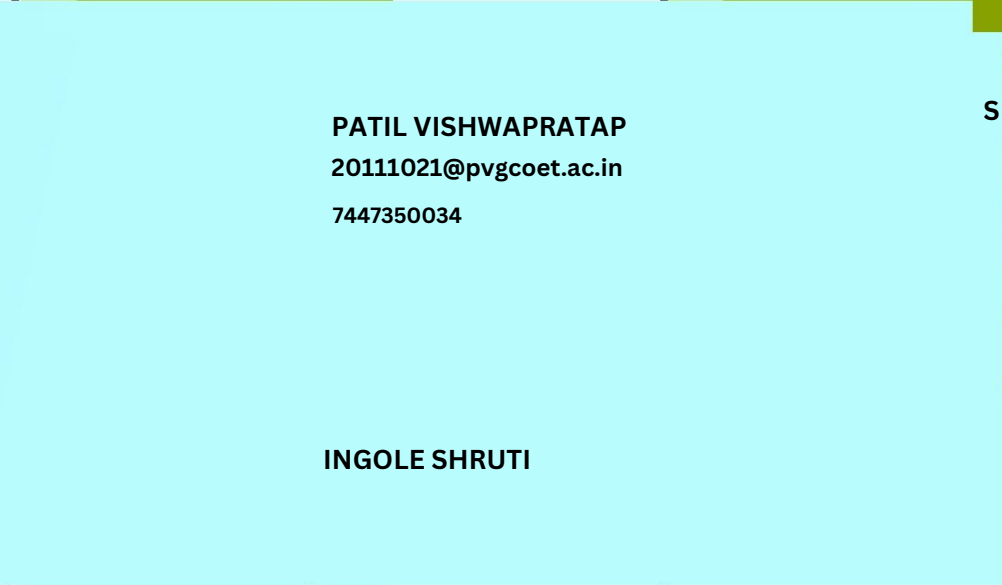

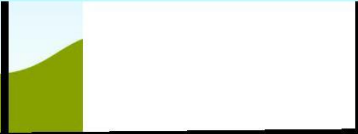
Name Of Project: Analysis of Aluminium and magnesium dopped ZnO/ZnS by Spin Coating Method			
Guide:	Prof.P. G. Jamdade		
Group. No.:	4		
	 PATIL MRUNAL patilmrunalpaldhi@gmail.com 7391812333	 PATIL UDAY udaypatilnda@gmail.com 9373957507	
	 RAJPUT ADITYA rlad10052002@gmail.com 8459955914	 NIMBALKAR SAMIKSHA samikshanimbalkar1605@gmail.com 7517546693	

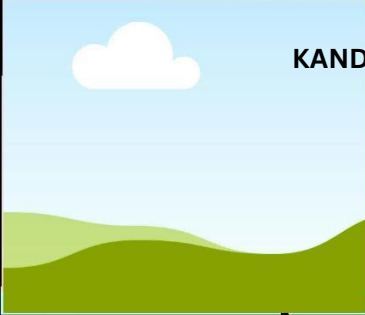
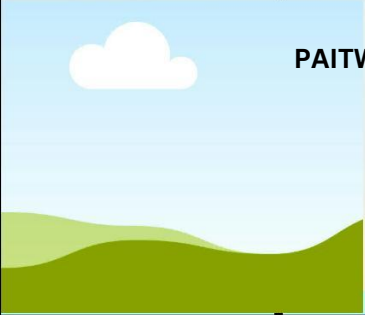
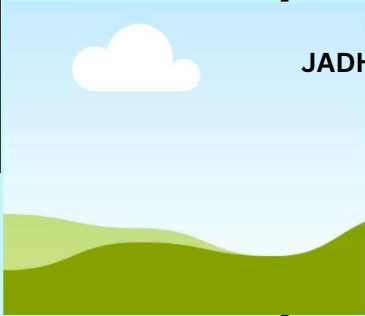
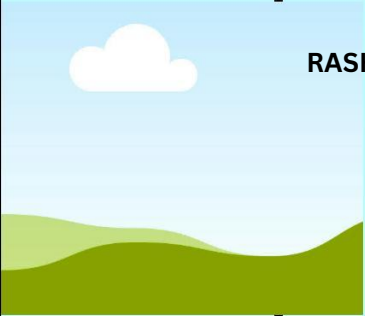
Name Of Project: IoT in Instrumentation			
Guide:	Prof. Mrs. R. A. Ranjekar		
Group. No.:	5		
	AGARWAL ADITYA 20141089@pvgcoet.ac.in 7057771728		LAD ANURAG arlad10052002@gmail.com 9503337150
	KOLTE HARSHAL		GAWARE ABHISHEK abhishekgwr6@gmail.com 9172632281

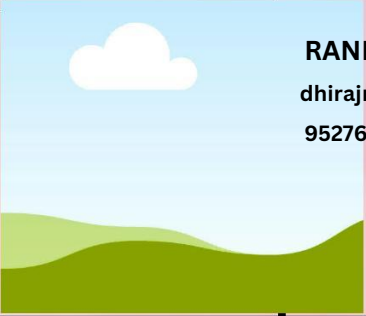
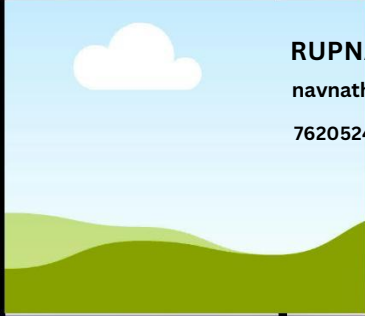


Name Of Project: Design of solar PV system for commercial and Industrial Load			
Guide:	Prof. O. S. Pawaskar		
Group. No.:	6		
	GODSE TEJAS		SHIRUDE SARVESH
	BHADANE ABHIJIT		DESHPANDE HARSH harshd3005@gmail.com 9370016249

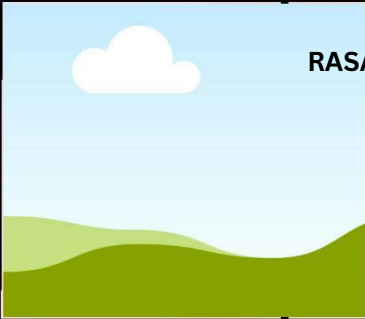
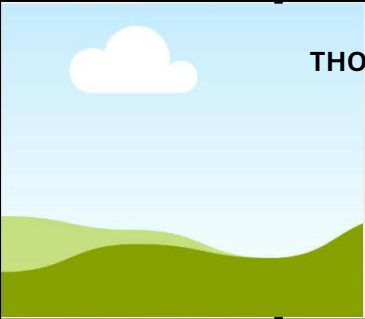
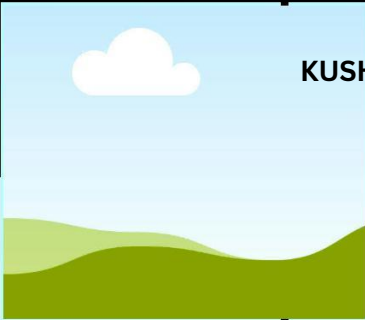
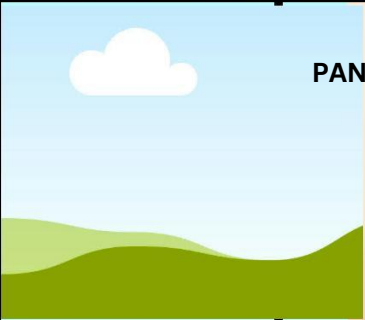
Name Of Project: Real time insights and control for motor through IoT parameter monitoring			
Guide:	Prof. Mrs. G. M. Karve		
Group. No.:	7		
	YEDAKE ADITI		MALI SAYALI
			KATKAR PRATIKSHA
			PAWAR SAMRUDHI
			


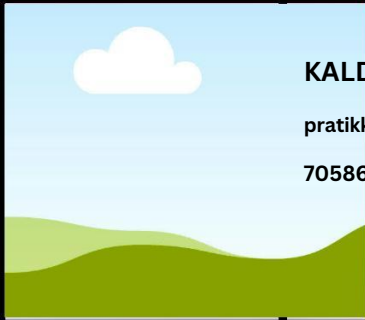
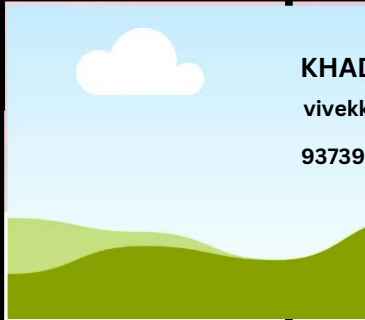

Name Of Project: PLC based fire extinguishing system			
Guide:	Prof. Dr. Mrs. U. S. Thakar		
Group. No.:	8		
	THORAT HARSHAVARDHAN		DESHMUKH PRASAD
		SUTAR SANKET	
		NANAVARE OM	
			
DAL PRATOSH			






Name Of Project: IoT based Polyhouse monitoring and controlling system			
Guide:	Prof. S. H. Yamalla		
Group. No.:	11		
	SANKET AGARWAL 21121075@pvgcoet.ac.in 7038832183		MURSAL MAHAMADALI 20111063@pvgcoet.ac.in 9370816335
		SHINDE ASHITOSH	
INGOLE SHRUTI			
			



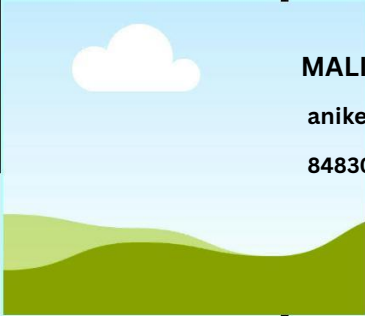
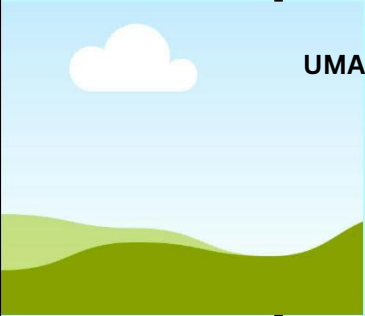
Name Of Project: Airbag system for two wheelers			
Guide:	Prof. Mrs. P. R. Khatri		
Group. No.:	12		
	KANDEKAR VAISHNAVI		PAITWAR SAKSHI
	JADHAV KIRAN		RASKAR NIPUN

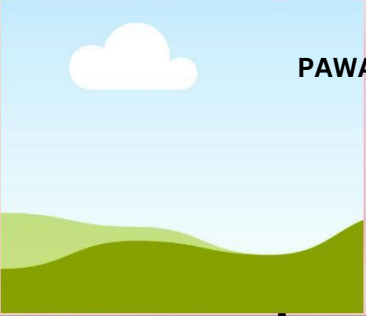
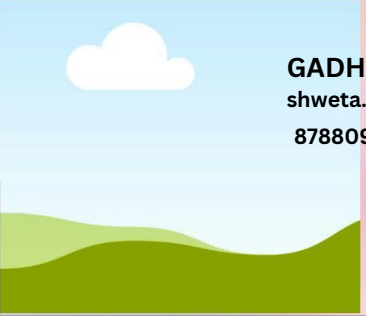
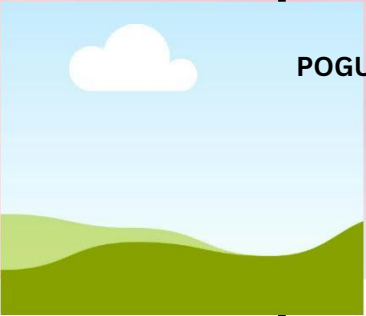
Name Of Project: Unauthorized vehicle detection in BRT			
Guide:	Prof. Mrs. P. R. Khatri		
Group. No.:	13		
	RANE DHIRAJ dhirajrane6757@gmail.com 9527679361		RUPNAWAR NAVNATH navnathrupnawar5777@gmail.com 7620524887
	GAWALE ANURAG anurag101747@gmail.com 9130164767		SALUNKHE DIGVIJAY digvijaysalunkhe60@gmail.com 9172245042

Name Of Project: Air Compressor control using PLC			
Guide:	Dr. M. P. Bhawalkar		
Group. No.:	14		
	RASAM OMKAR		THOMBARE KAMLESH
	KUSHLE SATVIK		PANDHARE PRAJAKTA

Name Of Project: Deviation settlement Mechanism for renewable energy in Regulatory sector			
Guide:	Prof. O. S. Pawaskar		
Group. No.:	15		
	JADHAV VINAY jadhavvinay504@gmail.com 9373024782		KALDHONE PARTIK pratikkaldhone4304@gmail.com 7058649004
	KHADE VIVEK vivekkhade2003@gmail.com 9373925303		WALE SAYEE wale.sayee02@gmail.com 9309880348

Name Of Project: Automatic grass cutter			
Guide:	Dr. Mrs. V. A. Joshi		
Group. No.:	16		
	BARDE SIDDHARTH		KUDAGI MOHIT
			ATTAR MD SAKIB
			

Name Of Project: Design of Smart Starter			
Guide:	Dr. M. S. Thakare		
Group. No.:	17		
	TILEKAR SARVESH 20111030@pvgcoet.ac.in 8421118293		GUJAR VIKRANT
	MALI ANIKET aniketmali5566@gmail.com 8483019852		UMARANI UMESH

Name Of Project: Design of solar Panel Cleaning System			
Guide:	Prof. Dr. M. S. Thakare		
Group. No.:	18		
	PAWAR ABHISHEK		GADHAVE SHWETA shweta.gadhawe02@gmail.com 8788092391
	POGULWAR VANSH		