



**GOKHALE EDUCATION SOCIETY'S**  
**R H SAPAT COLLEGE OF ENGINEERING, MANAGEMENT STUDIES AND**  
**RESEARCH, NASHIK-05**



**e-Newsletter**

**“The Quest for Excellence”**

**Department of Electrical Engineering**



**GOKHALE EDUCATION SOCIETY'S**  
**R H SAPAT COLLEGE OF ENGINEERING, MANAGEMENT STUDIES AND**  
**RESEARCH, NASHIK-05**

**Department of Electrical Engineering**

**“The Quest for Excellence”**  
**e-Newsletter**

**VISION**

To Serve as a Lead Centre for Value-based Learning & Innovation  
in Electrical Engineering.

**MISSION**

- To create competent technocrats for industries through effective teaching-learning process and industry interaction.
- To create value embedded professionals ready to serve the society.
- To facilitate students & faculties for higher learning to empower them for Research & Development

**Objective of “The Quest for Excellence”:**

To provide state-of-the-art in electrical engineering department with latest happening, internship, Industry-institute interactions, project opportunities, research and development, placements, curricular and extra-curricular activities of all stake holders.



### Hon. Secretary's Message:



**Sir Dr. M.S. Gosavi**  
**Founder Director**  
(MBA) 1968  
**Secretary,**  
**Gokhale Education Society**

Aspects of Education are Knowledge, Know-how and Character. Updated scientific knowledge provides an excellent foundation and confidence in personality; Know-how is the ability to translate knowledge into action and empirical knowledge provides insight and vision for innovation and creativity. We believe that the Technical Education with Values and Ethics is the greatest need of time. The question that grapples all nations today in the world is how to make education at all levels more effective, impact-making and active. Education can be made more effective & impact making through Faculty Training, Evaluation Reform, Industry Linkages along with Curriculum Development. Gokhale Education Society thought of creating a landmark for technical education. We are sure that the College will soon emerge at the National level as a lead & quality technical Institution with blessings from all concerned. We are also sure it will provide great inspiration and strength to all concerned as a Model to be emulated all over the world.

### Hon. Director's Message:



**Prof. P. M. Deshpande**  
**Director (Project)**  
Gokhale Education Society's  
R.H. Sapat college of Engineering,  
Management Studies and Research  
Nasik-05

Our college is committed to impart quality technical education with ingrained ethical values. We are committed to instil inquisitiveness amongst all students who can acquire the necessary technical knowledge and skills. By encouraging learning through enquiry, logic and developing a fearless attitude towards the fulfilment of curiosity, true know how & skill-sets can be acquired. Our endeavour to catalyst changes in imparting technical knowledge so as to differentiate our students from the rest is firmly embedded in our belief that 21st Century Engineer from this college would be a Lifelong learner, Critical Thinker and Leader of change. We believe that a four-year Engineering Degree Course bestows. "A License to Think, Think Logically & Critically". Come, let us work towards achieving our aim of becoming;

**"Value Embedded Quality, Global Engineer"**



### From the Principal Desk:



**Dr. Prafulla C. Kulkarni**  
**M. Tech.(Production),**  
**Ph.D. (I.I.T. Kanpur)**

Gokhale Education Society's  
R.H. Sapat College of Engineering,  
Management Studies and Research  
Nasik-05

It gives me immense pleasure to present before you a brief of our vision and efforts. Our institute is one of the leading institutes which have taken a leap forward in the quality technical education. The vision of the institute is, "To produce world-class engineers for converting global challenges into opportunities through value embedded quality technical education." To achieve this, we have developed this institute as a Centre of Academic excellence of higher learning in the fields of engineering and technology. Here at GES's R. H. Sapat College of Engineering Management Studies and Research, we are committed to impart necessary skills and knowledge to our students in best possible manner, in good spirit and in the good environment by allowing them to dream big and help them to achieve the same. Industry demands technocrat-leaders to serve various sectors. Placement of young energetic budding engineers is of prime importance to all of us. A systematic development in soft skills and overall confidence building through weekly programs is unique to our institute. Ultimately, our student will be a holistic person.

### From HoD's Desk:



**Prof. M. K. Chaudhari**  
**M.E. (Control Systems)**  
**Pursuing Ph.D. (SVNIT Surat)**

The Department of Electrical Engineering (EED) is committed to the student-centric Teaching-Learning process. The EED is focusing on student placements, student-mentoring, FE-SE course results, and working for quality improvements in Project-Based Learning (PBL). We are working with an action plan to enhance skills through seminars and presentations (SE), workshops/webinars, expert lectures, mock interviews, group discussions, aptitude tests, hands-on practices, learning higher-end software. Besides technical skills, we are also focusing on various social activities to inculcate values among our students. These measures will enhance student's ability to design, develop & take up research with eco-friendly innovative solutions to Electrical Engineering Problems. The EED is working hard to produce competent technocrats for industries through effective teaching-learning processes, and industry interaction to instil hardware, software, and operational skills required for the industries.



<b>List of Departmental Event/Activity Conducted</b>	
<b>Sr. No.</b>	<b>Name of Event/Activity conducted</b>
1	National Conference on Energy and Mobility (NCEAM)
2	Technical Activity: SE Technical Seminars
3	Career Guidance Cell: Foreign Language learning and its impact.
4	Career Guidance Cell: GATE Guidance Program
5	Career Guidance Cell: GATE and ESE Orientation
6	Social Activity: Orphanage Visit to “Adharashram” (Third Year Students)
7	EPSA Activity: Farewell Function
8	Technical Activity: SE PBL Final Demonstrations
9	Technical Activity: Seminar on Guidelines for selecting Project
10	Technical Activity: Hands-on Workshop on use of Devices and Instruments
11	EPSA Activity: Yoga and Meditation Activity
12	Technical Activity: Hands on Workshop on Power Quality Management
13	EPSA Activity: Opportunities in EV sector and Training and Placement Guest Lecture
14	EPSA Activity: National Sports Day Alumni Sport Player Talk
15	EPSA Activity: Teachers Day Celebration
16	EPSA Activity: Engineers Day Celebration
17	Technical Activity: Expert Lecture on Fault Finding in Substation and Maintenance
18	Alumni Meet
19	INDUSTRIAL VISIT: Nashik Engineering Cluster
20	INDUSTRIAL VISIT: Adani Thermal Power Plant
21	Social Activity: Orphanage Visit to “Anath Balakashram” (Second year Student)
22	Social Activity: Food and Blankets Distribution to Unprivileged People.
23	Students Placement data
24	Students Publications
25	Students Achievements
26	Faculty Publications
27	Faculty Achievements
28	Faculty workshop/STTP attended
29	Departmental News

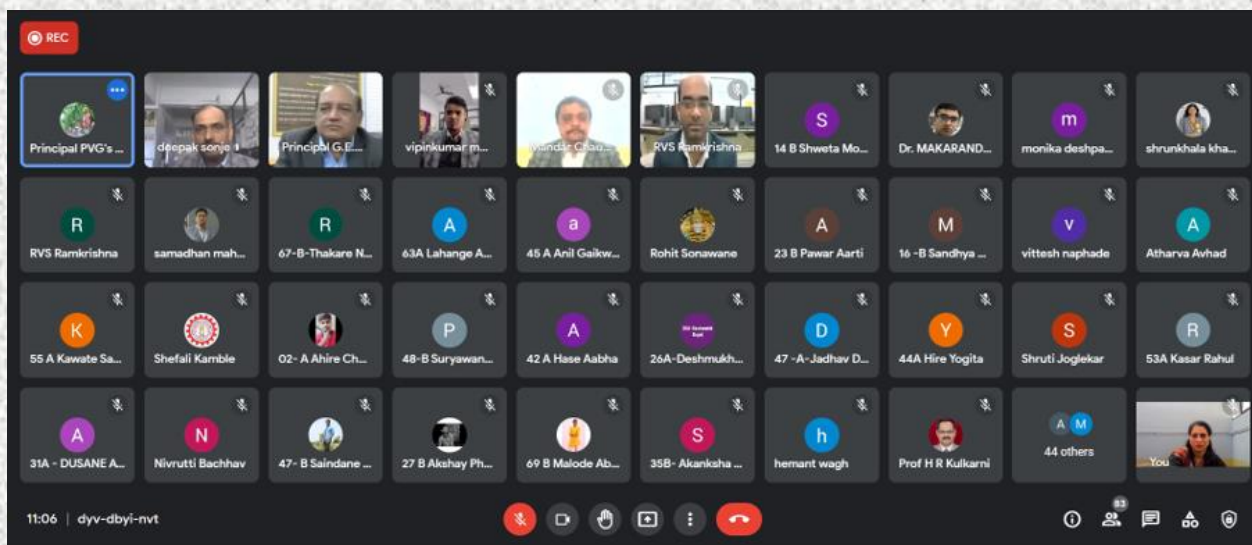
## Department Activity:

### National Conference on Energy and Mobility (NCEAM)

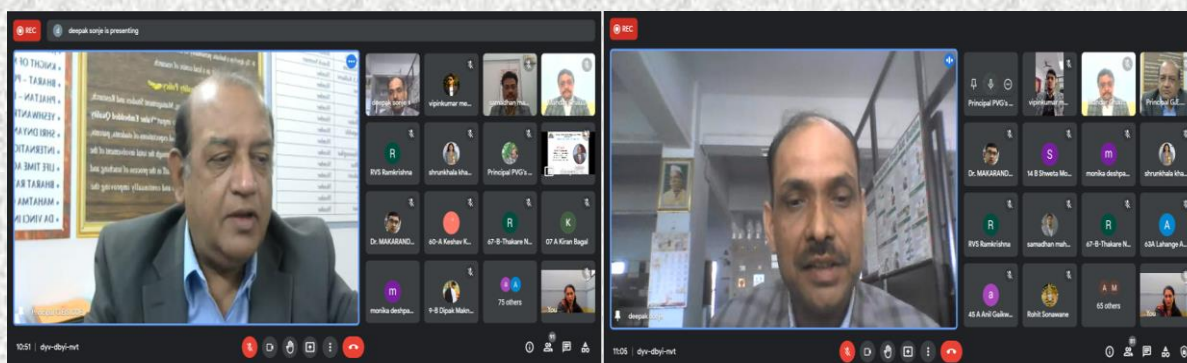
The Department of Electrical Engineering, Gokhale Education Society's R H Sapat College of Engineering, Management Studies and Research, Nashik organized Two Days National Level Conference on "Energy and Mobility-NCEAM-21" on December 23 – 24, 2021, in the Virtual mode.



In the inaugural function of the conference, Principal Dr. P. C. Kulkarni welcomed all the chief guests and participants. Dr. M. R. Tarambale, (Principal, P V G College of Engineering, Pune) inaugurated the conference. Dr. M. M. Lokhande VNIT, Nagpur, Dr. D. V. Patil (HOD, Department of Computer Engineering), Dr. N. D. Chaudhari (HOD, Department of Civil Engineering), Dr. P. B. Nehe (HOD, Department of Mechanical Engineering), Dr. S. P. Agnihotri (HOD, Department of Electronics and Tele-Communication Engineering), Dr. P. A. Chaudhari (HOD, MCA), Prof. M. K. Chaudhari (HOD, Department of Electrical Engineering), participants and all the faculties of Department of Electrical Engineering were present on this occasion.







Dr. M R Tarambale, Chief guest and keynote speaker congratulated the department of Electrical Engineering for organizing the conference on the theme of “Energy and Mobility”. He also addressed the topic of “Electric Vehicle” in which he discussed the scenario of electrical vehicles in India and abroad.

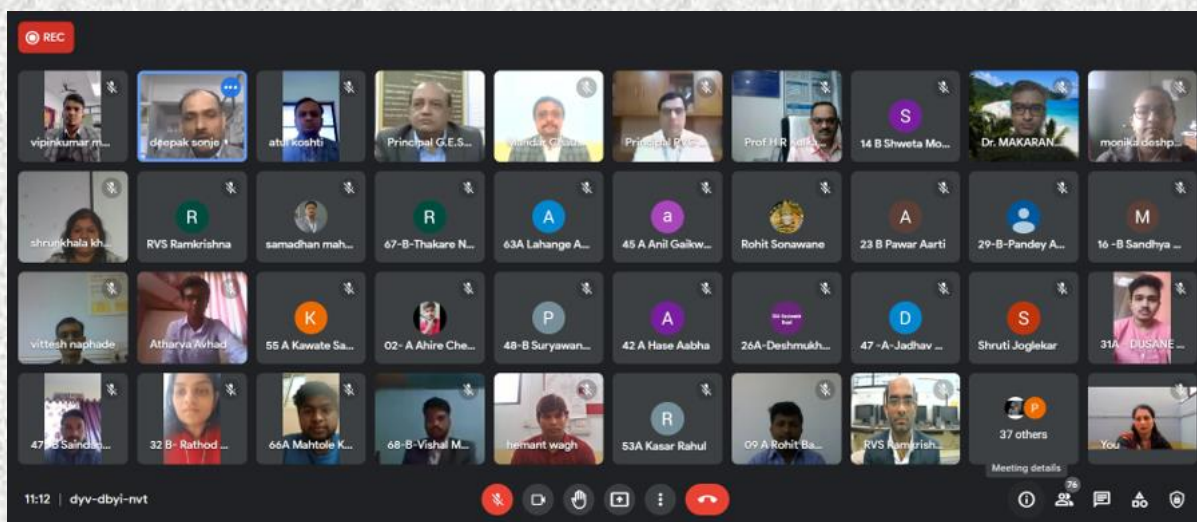


On the second of the conference Dr. M. M. Lokhande delivered the keynote address on the topic “Energy Sources for E-Mobility”. Dr. Lokhande briefed about the various energy sources like super capacitor, fuel cells etc...with their advantages and disadvantage for electric vehicles.



Department is received very overwhelming response from the participants all over the India. Total 63 numbers of papers were received from the various states covering Madhya Pradesh, Gujarat, Delhi and all over Maharashtra out of which 58 papers were accepted for presentation. More than ten papers were received from out of Maharashtra state. All the papers are reviewed blindly by the two reviewers from the experts and the revised paper is accepted for the presentation. The online presentation sessions are arranged using Google Meet in five parallel tracks on both the days of the conference.



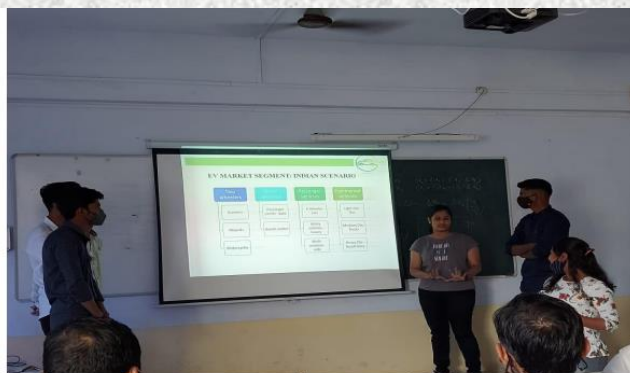


At the concluding part of the conference, valedictory function is arranged on the 24<sup>th</sup> December in the presence of Principal Dr. P. C. Kulkarni, participants and all faculties of Department of Electrical Engineering. Dr. P. C. Kulkarni appreciated the effort of the department for successfully organizing the conference.

### Technical Activity: SE Technical Seminars

The Department of Electrical Engineering has introduced SE Seminars at the Second-Year level to enhance their self-learning abilities and to provide insights on various domains of Electrical Engineering. The students at the SE level explore the capabilities and dimensions of their personalities in a process. The students are given a brief introduction to the various fields which can be further explored in depth in the years to come. The students are grouped into 4-6 students, a selected combination of approximately one student being academically good, three average, and one below average. The students are encouraged to read technical papers/articles/suitable literature. Students refer to various standard journals and publications to study the topic. Students use the library facility and refer to e-journals, white papers, etc to read the latest topics. This inculcates the habit of technical reading in the students. The students with the help of faculties prepare a topic of their interest and get ready to deliver the seminar on that topic. The guide is allocated based on the domain expertise of the teachers. The students study the topic in detail considering its relevance to the current world outside. In a process of preparing a seminar report/research paper, they go through technical writing and apply their skills under the supervision of assigned guides. The students learn to express understanding of the topic during presentations. However, they also learn to write the technical contents in universally acceptable formats. The students during 15 minutes presentation overcome stage fear and boost their confidence. The students learn the importance of formal and informal communication. They also understand the importance of intrapersonal skills like voice modulation, proper body language, etc. As the students work in a group, they learn the importance of respecting each other's views and thought processes. This builds a team spirit amongst the students. In a class of 70 plus odd students, a considerable number of advanced topics are covered. As a whole, the presentation benefits the students through knowledge sharing. Qualities like collaborative working, identifying strengths and weaknesses, sharpening intrapersonal skill set, and enhancing communication skills are few of the benefits of conducting seminars just at the second-year level. Seminars conducted 20<sup>th</sup> Feb 2022. The activity coordinated by Prof V. R. Naphade and Prof. H. B. Wagh.





## Career Guidance Cell: Foreign Language learning and its impact.

On 12<sup>th</sup> March 2022 an expert talk was arranged on the topic “Foreign Language learning and its impact” by Miss. Yashika Vats who is German language trainer in Versatile Academy. In

the first session she spoke about the scope and relevance of foreign languages in general and in the second part she emphasised on German language and culture and it's career prospects. She also held an interactive session on German and English loan words, which the audience thoroughly enjoyed. The 2<sup>nd</sup> speaker Mr. Pranav Barva focussed on relevance and scope of Japanese language in various sectors. He highlighted on foreign language education in India and scholarships. He gave cross cultural references of Indian and Japanese connection through literature. This was followed by a Question-and-Answer session where Miss. Yashika Vats and Mr. Pranav Barva provided insightful answers to wide-ranging questions from the students. The programme concluded with a Vote of Thanks by the Career Guidance Cell Coordinator Prof. V.S. Meshram and team.



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R. H. SAPAT COLLEGE OF ENGINEERING,  
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**DEPARTMENT OF  
ELECTRICAL ENGINEERING**

**FORIEGN LANGUAGES LEARNING  
AND ITS IMPACT**

**EXPERT TALK**

**Expert lecture with Miss.Yashika Vats**



Senior Trainer(German Language)

**12 MAR 2022**  
**TIME 4:00PM TO 5:00 PM**  
**THE SESSION WILL BE CONDUCTED ON GOOGLE MEET**

**FACULTY IN CHARGE**  
**MR. V S. MESHAM**



**HOD ELECTRICAL DEPARTMENT**  
**MR. M K CHAUDHARI**





## Career Guidance Cell: GATE Guidance Program

On 27th April 2022 an expert talk was arranged on the topic “GATE Guidance Program”, of guest Mr. Suraj Singh (AIR-4, 2016) coordinated by Career Guidance Cell Coordinator Prof. V.S. Meshram. He guided students about GATE, CAT, GMAT, GRE etc exams and how to pursue those exams and excel in it. He aware students about the job opportunities and advised them to focus more on studies and industrial training programs. He also informed students on gap between requirement of industry and skills of an engineer. He also gave some tips to students to excel in interview. The guest lecture arranged with objectives Provide opportunities for participants to be made aware of GATE examination. To aware the students about job opportunities after clearing GATE exam.



## Career Guidance Cell: GATE and ESE Orientation

On 13th May 2022 an expert talk was arranged on the topic “GATE and ESE Orientation” by Mr. Shankar who is faculty member in ACE Academy. He gave several valuable tips to students on how to approach the syllabus and prepare well. While concluding the session he said, “Solve as many mock question papers as possible. There are several resources available online and offline and you can reap out huge benefits out of them”. Furthermore, he asked students to pay attention to their strengths and weaknesses and improve the weak areas. Besides, he highlighted the importance of time management and said, “this will help you score better marks in the real examination.” The programme concluded with a Vote of Thanks by the Career Guidance Cell Coordinator Prof. V.S. Meshram and team.





### Social Activity: Orphanage Home Visit

An orphanage houses children of various ages who either have no family or have lost their families in natural calamities. A visit to an orphanage is a life-changing experience as it is filled with emotions and sentiments. We had an opportunity to visit an orphanage on 28<sup>th</sup> May 2022 as a social activity. 9 student volunteers from Electrical Engineering 3<sup>rd</sup> year accompanied by Career Guidance Cell Coordinator Prof. V.S. Meshram visited the place. The orphanage home named as Adharashram is situated at Ashok stambh, Nashik. It is a three-storey building with a garden out in the front. We reached the Orphanage at around 10:30 AM. The children were very pleasantly excited to receive the members. We also met the Secretary. While interacting with the Secretary Mr. Pathak, we got to know the history of orphanage how it was established. When we entered the home, we were surprised as there were more number of children than we had imagined. There was a common room where the children both boys and girls ranging from the ages of 0 to 12 years were seen. We were there for 2 hours and Some of them were indulged in drawing, some were playing, some girls were dancing. We also played with them, played songs and we all volunteers, children and orphanage staff danced together. We had brought with us biscuits, drawing books, sketch pen, pencils, erasers etc. which we distributed amongst the children. They were even more elated when they received the stationary from us. We segregated ourselves and went to talk individually to everyone. The visit to the orphanage was a fulfilling experience for us as we came back home with not only memories but also some valuable lessons.





## EPSA Activity: Farewell Function

Electrical Power Students Association (EPSA) committee has organized the “Farewell function” on 31<sup>st</sup> May 2022 at 2:30 pm by offline mode with the guidance of Prof. S. V. Chakor in electrical seminar hall. The event handle by Aditi and Pushkaraj. The function aims the best wishes and send-off to final year students. Also, EPSA gives platform to final year students to express their view, journey towards final year, gratitude toward faculties, department and college. An EPSA provide lunch to final year students using EPSA fund. In the function honourable principal sir addressed the function. The TE students as well as BE students perform activity like guitar, song etc.





## Technical Activity: SE PBL Final Demonstrations

The mentors of all groups took efforts, and guided the students for successful demonstration of the projects. The event was organized on 2<sup>nd</sup> Aug 2022, by PBL Student Coordinators Mr. Mitesh Sonawane, Miss. Sakshi Bhamre, Miss. Isha Kulkarni, Miss. Sakshi More under the guidance of Prof. V. R. Naphade and Prof. H. B. Wagh who are faculty coordinators of second year. Miss. Sakshi Bhamre welcomed our Chief Guests, Prof. P. M. Deshpande (Director Projects) and Dr. P. C. Kulkarni (Principal) along with the event Judges by delivering a short welcome speech. Chief Guests personally visited to all 32 groups, and discussed student's project. They advised students and suggested some likely extensions in their projects. Also, they encouraged students with feedback while students were explaining their projects. The judges investigated /assessed all of the 32-group project works by observing the set rubrics. Judges asked questions to the students in group and individually. Assessment of all groups with their valuable suggestions have been carried out by the judges. Senior students were also invited to judge the event from the student's perspective. Senior students appreciated some of the groups for choosing different and difficult projects. The students gained practical knowledge regarding components selection, specifications, mounting and making decisions as stated by many group students. The selection for winners for this event was not so easy as there was a tie-breaker at all the three positions. Hence, the student's coordinator applied the criteria of marks given by B.E students who secondarily judged the event. On that basis three groups were declared as winners each from both A and B division.







### Technical Activity: Seminar on Guidelines for selecting Project

An interactive seminar was organized by Prof. M.U.Shetty. It was conducted on 06<sup>th</sup> Aug 2022 by Mr A.K.Govil, ExG.M.Crompton Greaves,Ambad .The seminar targeted for B.E students with an objectives, to make the students aware of latest areas while selecting the final year projects. Different Guidelines while selecting the project such as areas of interest and keeping in mind the higher education and research. Guiding the students how to conduct literature survey Motivating the students to take up projects which are of useful to society, industry etc. The expert has professional experience of with 45 years in Managing Business, Business Strategies, International Business, Marketing & Sales, Project Management, Plant Operations & Quality Assurance of manufacturing units of Distribution & Power Transformers, Indoor & Outdoor Switchgears, Instrument Transformers, Lightning Arresters, Low Voltage Switchgears.





## Technical Activity: Hands-on Workshop on use of Devices and Instruments

The hand on workshop on use of devices and instruments coordinated by Dr. Atul Koshti and conducted by Prof. M.U.Shetty, Prof S.V. Chakor, Prof S. P. Koparkar, Prof. Mrs. S. G. Khadilkar, Prof M. V. Reddy and, Prof V. S. Meshram for two day 5<sup>th</sup> and 6<sup>th</sup> Aug 2022 targeting Third year students and entry level. The workshop is attended by 92 students. Students are able to understand how to use the various measuring instruments for measurement of electrical parameters. Students able to select & use of protective devices for protection. Students able to select power electronic components/electronic components for an application and interpret the data sheet of components.







## EPSA Activity: Yoga and Meditation Activity

The student's chapter Electrical Power Students Association (EPSA) committee has organized the "**Yoga and Meditation Activity**" on Saturday 20th Aug 2022 under the guidance of EPSA coordinator Prof. Mrs. R. S. Tidke. Significant Role of Yoga and Meditation in Student Life is that Improved concentration in studies as well as other activities. It leads to better grades, balanced blood pressure, decreased absenteeism and tardiness, improved interpersonal relations, and enhanced confidence level, sleep, relief from a headache, improved calmness and a sharper mind. The expert speaker of this function was Mrs. Vandana Korde and Mr. Rushikesh Korde. Mrs. Vandana is M.A. in Yogshastra, she is trainer in Khelo India Yoga. Also, she is a Director of Sai Yoga Academy. Mr. Rushikesh Korde is BE (Computer Engg) and Yoga Trainer. He is also a National Yoga player. Ms. Isha Kulkarni of EPSA committee welcome and introduce the guest. The head of department Prof M. K. Chaudhari has felicitated to Rishikesh Korde with a bouquet of flowers and college resonance magazine. The EPSA coordinator Prof. Mrs. R. S. Tidke has felicitated to Mrs Vandana madam with a bouquet of flowers and college resonance magazine. The EPSA committee has felicitated to HOD Prof M. K. Chaudhari and Academic coordinator Dr. D. M. Sonje.









Mrs Vandana elaborated importance of Yoga and Meditation in every one's life. She explained yoga and meditation are correlated, without yoga no meditation correctly performed. And in the hectic life of the collage, she explained pranayama should do for a calm nature and focus for the college students. She also demonstrated prospective of Bhasrika Pranayama, Bhramari Pranayama, Anulom Vilom etc. and the activity every one performed. Mr. Rushikesh mentioned about post covid physical and mental health issue that resolved with Yoga and meditation. The students and faculty learn and enjoy meditation activity. Prof Kale of college sport department provided a resource person for the function, EPSA committee have gratitude towards him. Mr. Pathak sir provided the necessary things for function. EPSA committee member Sakshi More given vote of thanks. The program successfully concluded.





## Technical Activity: Hands on Workshop on Power Quality Management

The department of electrical engineering has organised two-day workshop for final year students on 22<sup>nd</sup> Aug and 29<sup>th</sup> Aug 2022. The hands-on workshop on power quality management successfully conducted under the guidance of workshop coordinator Prof M. U. Shetty with accomplished faculty Prof. Mrs. R. S. Tidke. On day one 22<sup>nd</sup> Aug 2022, in the morning session Prof M. U. Shetty has given Introduction of workshop and explained various power quality issues in detail. The response of students is overwhelmed during hands on experiments on power quality analyser in the afternoon session. The Harmonic analysis, voltage sag, unbalance etc explained. Prof. R.S Tidke and Prof M. U. Shetty has conducted hands on experiments for Harmonic analysis of Induction motor, transformer and desktop/computer etc.



## EPSA Activity: Opportunities in EV sector and Training and Placement Guest Lecture

The student's Electrical Power Students Association (EPSA) committee has organized the guest lecture on "Opportunities in EV sector and Training and Placement" on 25<sup>th</sup> Aug 2022 under the guidance of EPSA coordinator Prof. Mrs. R. S. Tidke. The guest lecture is arranged with help of Prof. S. V. Chakor training and placement coordinator. The aim of seminar is interest should be created in the field of electric vehicles among the students and the future opportunities in this field should be known to all. And when any student going for an interview or going anywhere for training, how to apply there and if there is an interview, how to answer the question asked by them was a basic purpose of these seminar. The expert speaker of this function was Mr. Atul Gopal sir and Mr. Vinay sir. Mr. Atul sir completed



his BE Mechanical Engineering from college of Engineering Pune and MBA from Calcutta. Also, he has been consultant of companies like L&T, Hewit. And he is the CEO of Bulls Eye. Ms. Sakshi Bhamare of EPSA committee welcome and introduce the guest. The academic coordinator of department Dr. Sonje has felicitated to Mr. Atul Gopal sir with a college resonance magazine and bouquet of flowers. The T&P coordinator Prof. Chakor has felicitated to Mr. Vinay sir with a college resonance magazine bouquet of flowers. Mr. Atul Gopal guided all the students on electric vehicles and how to choose your career in it. He also interacted with the students. And also answered the questions asked by him. He told a solution that all common people can afford from the category of electric vehicle. That is e cycle. Because the price of electric car is high. And it cannot be taken by the common man. As an electrical engineer, he made the students aware of what they can do in this field. Mr. Vinay guided the students about Training and Placement. He informed that academic education along with other qualities come first in campus placement. Also, after participating in the group discussion, he explained how he speak there. The program was successfully conducted.







### EPSA Activity: National Sports Day Alumni Sport Player Talk

The student's chapter Electrical Power Students Association (EPSA) committee has organized the "National Sports Day" on 29th Aug 2022 under the guidance of EPSA coordinator Prof. Mrs. R. S. Tidke. The purpose of this event to create awareness among the students about the sports. And to inform them about the sports quota in the college. Also, the importance of the sports for student lifestyle, personality as well as the leadership. The National sports day is celebrated on 29th August, it is the Birth anniversary of hockey here Major Dayan Chand. Major Dayan Chand was a legend Indian of National hockey with victories in Olympics of international. This day is also dedicated to the national e-sport. Hockey heiress of champions, honoring their contribution of dedication. Guest of these program Miss Sakshi Tejale and Mr. Shreyas Virgoankar. Miss Sakshi Tejale received All India 8<sup>th</sup> Rank in Gujarat Limbian sea bumming competition. 29 Km All India 10<sup>th</sup> Rank in Indian Nany. Sea Swimming competition 6km I su Participated in various SPPU swimming matches. Mr. Shreyas Virgonkar participated in all Indian under University Water polo tournament in 2018 in Chandigarh in 2019 in Bangalore. He also participates and won various events held at "MIT Pune & C.O.E.P". He is currently working as a EVIVE SOFTWARE ANALYTICS PRIVATE LIMITED Bengaluru. Sports in charge of collage Mr. Gokul Kale guided the students on how to participate in inter-departmental activities and university level sport event. He also gives importance of sport in students life.





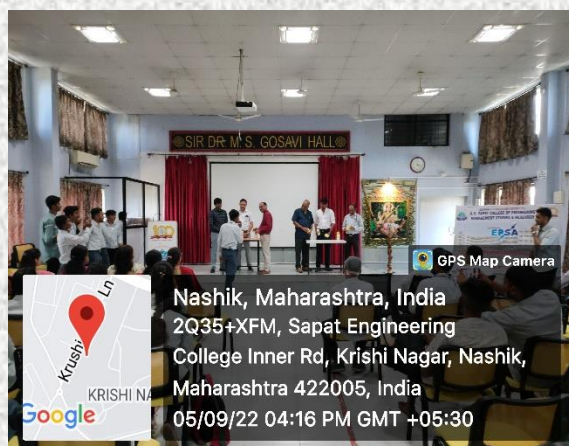


## EPSA Activity: Teachers Day Celebration

The student's Electrical Power Students Association (EPSA) committee has organized the "Teacher Day Function" on 5th Sept 2022 under the guidance of EPSA coordinator Prof. Mrs. R. S. Tidke. The Teacher's Day is celebrated on 5th September. In India, National Teachers Day is celebrated on September 5, to mark the birth anniversary of the country's second President Dr. Sarvepalli Radhakrishnan. He was a great teacher and due to his commendable inputs in India's educational front every year on his birthday, i.e 5th September, we all celebrate Teachers Day to pay tribute to our teachers who are like a guiding light in our lives. The first Teachers' Day in India was marked on September 5, 1962. Guest of these program are our HOD of electrical department Prof. M.K. Chaudhari and all faculties of electrical department. Coordination of the program is done by Pawan Thapekar. Vaishnavi Gangurde spoke on Teacher's Day. The students get opportunity to show their talent and gratitude towards teachers. Second year Meghna also sing very beautiful song. A group of students performed one drama, appreciated by all. As Teacher's Day is dedicated to our teachers, students had organized different games for them. The



teachers participated in it and had a lot of fun. After all that, the cake was cut on the occasion of Teacher's Day. The Head of department Prof M. K. Chaudhari and EPSA coordinator Prof. Mrs. R. S. Tidke appreciated the function organized and managed by EPSA committee members. And successfully the Teacher's Day function was celebrated.



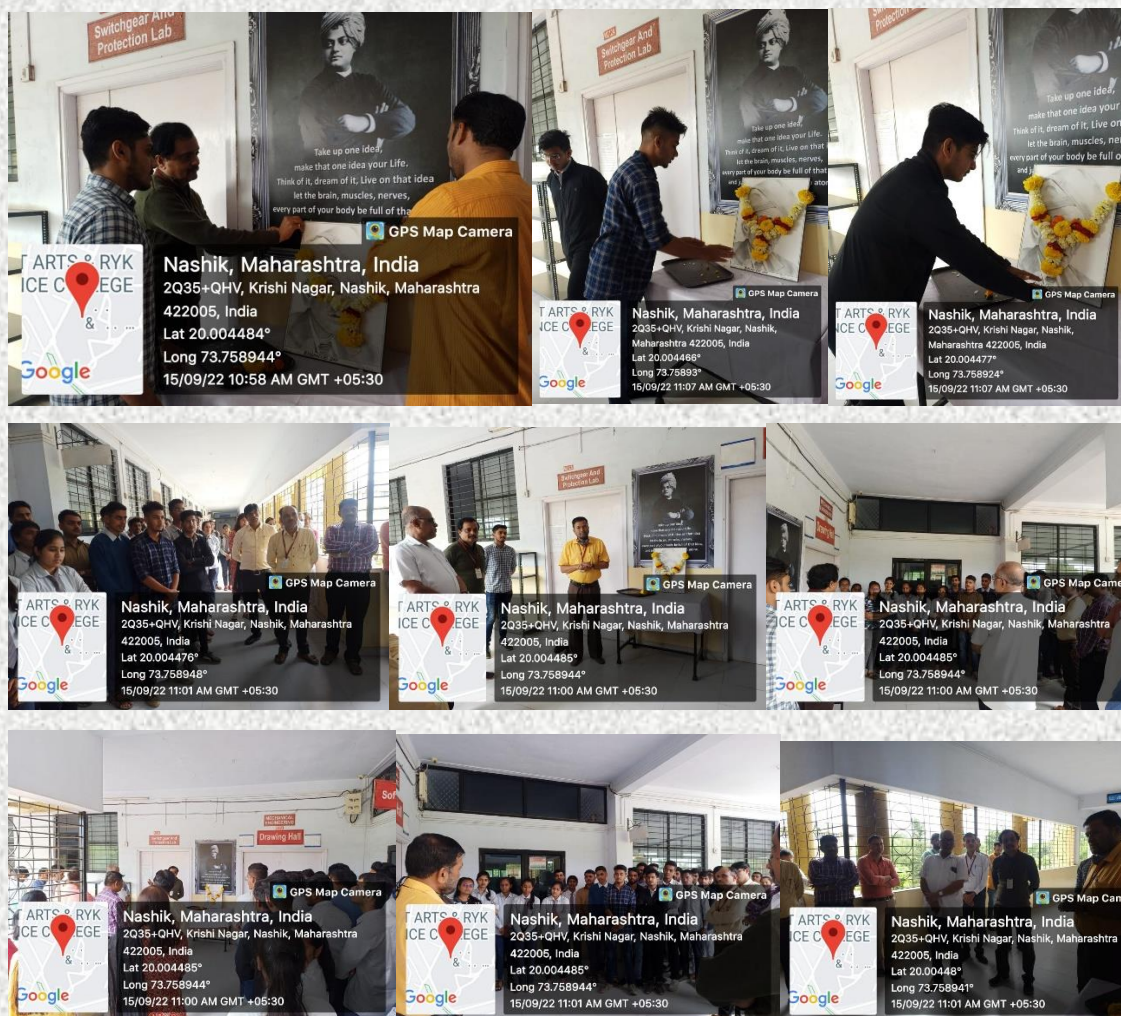




## EPSA Activity: Engineer's Day Celebration

Electrical Power Students Association (EPSA) committee has organized the "Engineer's Day function" on 15th Sept 2022 at 11:00 am with the guidance of EPSA coordinator Prof. Mrs. R. S. Tidke. In remembrance of Sir Mokshagundam Visvesvaraya, the most outstanding Engineer of all times, the Engineering fraternity of India celebrates "Engineer's Day" every year on 15th of September. He is known to be the greatest engineers of all times, who with his vision and dedication in the field of engineering made some exceptional contributions to India. Owing to his contribution he was honored with the highest state award of India, the "The Bharat Ratna", in the year 1955. Dr. Mokshagundam Visvesvaraya excellent work done in the field of engineering (dams, reservoirs and hydroelectric projects). The birth date of Dr. M Visvesvaraya 15 September (year 1860) is celebrated as Engineers Day. Engineers Day was announced by the Government of India in the year 1968, since then it is celebrated every year on this day. Prof N.S. Pande give information about engineer's day celebration and about Dr. Mokshagundam Visvesvaraya.

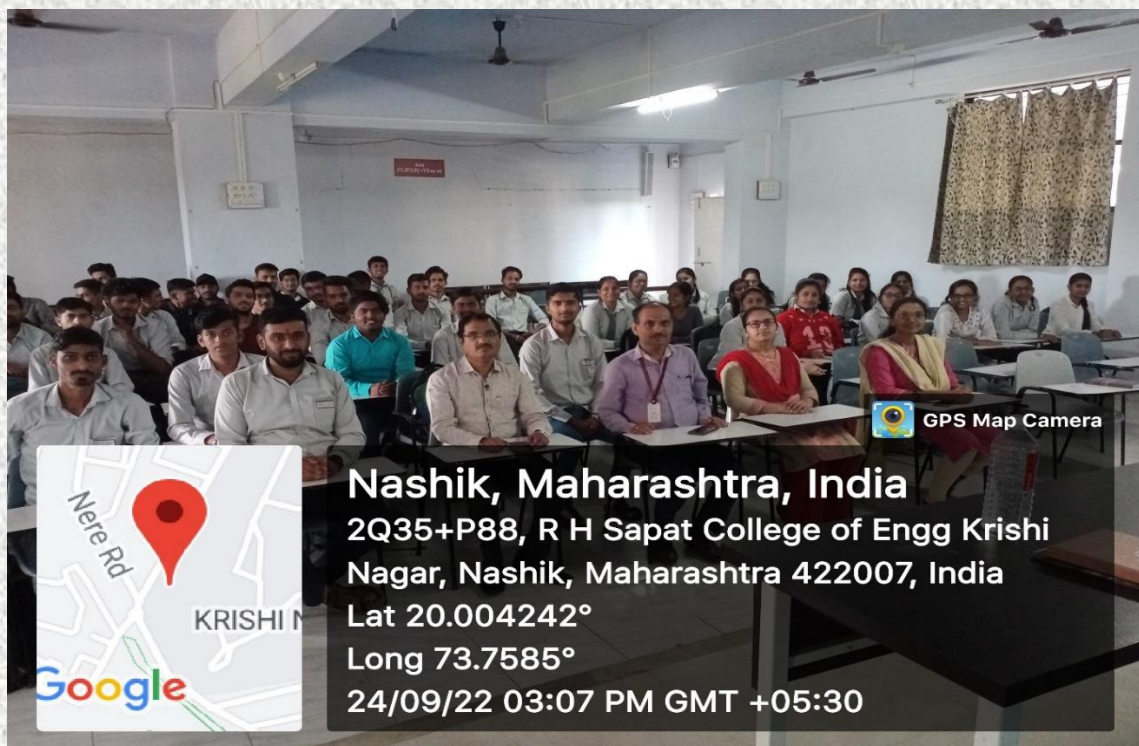
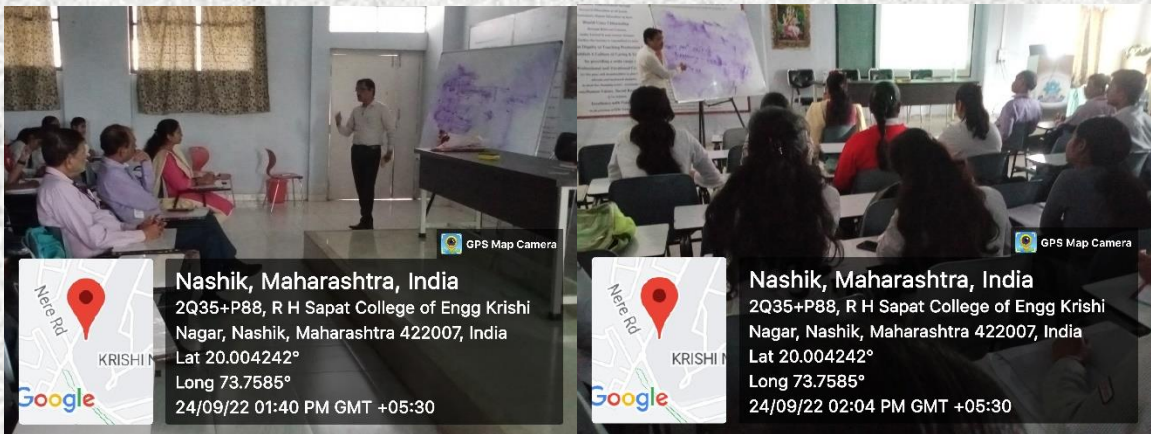




## Technical Activity: Expert Lecture on Fault Finding in Substation and Maintenance

The expert lecture on Fault finding in substation and maintenance is arranged on 24th Sept 2022 for Third year students under the subject Electrical Installation, Design and Condition Based Maintenance by faculty Prof. Mrs. M. P. Deshpande and Prof. Mrs. N. A. Amodkar. An expert lecture on “fault finding in substation and maintenance” is delivered by additional executive engineer Mr. K. M. Patil, from MSEDCL, Kalvan. He explained about various types of faults occurs in substation and explained few methods of finding the faults in substations. Along with this he well explained about maintenance, its strategies used in S/S, and schedule of maintenance. Students asked number of questions in Q/A session and every question well answered by the expert.







## Alumni Meet

Alumni meet was arranged on 24th Sept 2022 by alumni coordinator Prof. S. V. Chakor. The aim of meet is to make available the expertise and experience of the alumni for the development of research and educational activities of the college. Engage alumina entrepreneurs in the students entrepreneurship development process. Also, to make available the expertise and experience of the alumni those are in abroad for higher education. To promote and foster interaction amongst the alumni and the students/faculty members of the department for improvements in the teaching-learning procedures. To associate the alumni in the developmental activities of the department. To improve the facilities and infrastructure of the department with the help of active participation of the alumni.



## INDUSTRIAL VISIT: Nashik Engineering Cluster

The Industrial visit was arranged on 30<sup>th</sup> Oct 2022, by Prof. H.B. Wagh under subject High Voltage Engineering for final year student. The faculties accomplished are Prof. Mrs. R. S. Tidke, Prof. H. B. Wagh, Prof. S. V. Chakor and Prof. S.P. Koparkar. The objective of industrial visit is, to understand the working culture and environment of the industry and got familiar with various departments and practices in the industry. Observe to operate various equipment, measuring instruments, tools used in industry efficiently and develop technical competence. Students gain basic knowledge/Idea & Final Year Project Planning and hardware development. Also, they learnt about ethical, safety measures, and legal practices. The High voltage test 100KV transformer for impulse test 300KV and various HV Testing's. Students understood the basics of Industrial Components and the concept of Transformers, Reactors,



Various Types of Connections of the transformers etc. Students understood the functioning of various components involved in the substation designing. Students understood the various Transformers, Switchgear equipment's which plays the major role in the Industry Even they understood some of the latest technologies used in the era of Industrial Revolution 4.0.

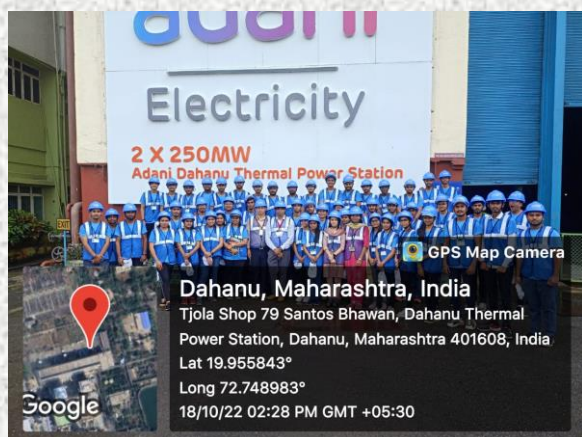


Nashik Engineering Cluster is an unlisted public company incorporated on 12 September, 2007. It is classified as a not-for-profit company and is located in Nashik, Maharashtra. The Nashik Engineering Cluster (NEC) is formed Under Industrial Infrastructure Upgradation Scheme (IIUS), Ministry of Commerce & Industry, Government of India. Inadequate technological infrastructure is the main inhibiting factor for international competitiveness of Indian industry. Therefore, the Nashik Engineering Cluster (NEC) , Play the role of catalyst, be a reliable source for quality at affordable cost. And, prepare Nashik Industries to face global market by achieving global quality-assurance standards.



## INDUSTRIAL VISIT: Visit to Adani Thermal Power Plant

The Industrial visit is arranged on 18<sup>th</sup> Oct 2022 and 4<sup>th</sup> Nov 2022, by Prof. S.V. Chakor under subject Electrical Machines-II for Third year student. The faculties accomplished are Prof. Mrs. N.A. Amodkar, Prof. Miss. Urmila Mathure, Mrs. S. H. Desai, Prof. H.B.Wagh, Prof. S.V.Chakor, Prof. S. P. Koparkar, Mr. J. G. Jagdale. The industrial visit is organized for students to learn about different sections of a thermal power plant and practically observe the concepts they have learnt in theory. Adani - Dahanu Thermal Power Station (ADTPS), consisting two units of 250 MW, is one of the best power generation plants in the country, which commenced its commercial operations in January 1996. Recognized with innumerable awards, this power plant is known for its distinctive features that set it apart from others in terms of technological innovation, superior performance and continuous sustainability for a longer period. Adani - Dahanu Thermal Power Station has implemented integrated management systems (IMS) in its processes and is certified for quality management, environment management, occupational health and safety assessment studies, social accountability management, information security management, energy management and accreditation for ADTPS coal testing laboratory.



Students observed and understood all the details of a Thermal power plant structure and working. They visited different sections like Imported Coal Section, Quality Checking of Coal, Actual Operation of Power Plant, Turbines, Exciter, Boiler, Ash handling plant, Coal Handling Plant, Conveyor Belt, 220 MV Distribution etc. The plant is equipped with the highest chimney in Asia. Students also observed different Control panels and the control section. Adani –



Dahanu Thermal Power Station (ADTPS), consisting two units of 250 MW, is one of the best power generation plants in the country, which commenced its commercial operations in January 1996. Recognized with innumerable awards, this power plant is known for its distinctive features that set it apart from others in terms of technological innovation, superior performance and continuous sustainability for a longer period. ADTPS is located around 120 km north of Mumbai along Mumbai-Ahmedabad rail line. Adani – Dahanu Thermal Power Station has implemented integrated management systems (IMS) in its processes and is certified for quality management, environment management, occupational health and safety assessment studies, social accountability management, information security management, energy management and accreditation for ADTPS coal testing laboratory. The first power station in the country with two units of 250 MW. Commercial operation started in January 1996. Employs a blend of washed coal and imported coal as its source of fuel.



ADTPS has received Copyright for three innovative works from Copyright Office of Government of India, New Delhi. Reduction in Overhauling Time – Implementation of Work procedure has ensured considerable reduction in overhauling period to 15 days. Thereby saving of Generation revenue equivalent to at least 10 to 15 days. Energy Deviation Report – An effective tool for energy consumption monitoring and optimization. This helps operation personnel to utilize energy efficient equipments to cater economical generation. Improvement of Coal Mill Performance by Auto Operation – Software developed by ADTPS team by studying the correlation between air and coal flow. This logic has helped to avoid undue variation in load and other process parameters even during very heavy rain.



## Social Activity: Orphanage Visit to “Anath Balakashram”

The orphanage visit is arranged on 12<sup>th</sup> Nov 2022 with Second year students at Smt.Garda Anath Balakashram, Khambale, Taluka Trimbakeshwar, Nashik, Nashik-Trimbak Road. The visit coordinated by Prof. H.B. Wagh, Prof V.R. Naphade and Prof. Miss U.M. Mathure. The purpose of the visit is making better interaction of students socially, see the world beyond comfort and, give some social service to others. The students learn various social morals when they meet the orphanage children and, learn that how to live happy life in any condition by helping others and making everyone happy. The students understand their mindset and how the orphanage staff make children mindset valuable for good things.

Activities Undertaken: -

- a) Gift distribution to each one of the kids.
- b) Playing games, talking with orphanage children by students.
- c) Small to visit to the orphanage.
- d) Understanding the working process of the orphanage.







### **Social Activity: Food and Blankets Distribution to Unprivileged People.**

The social activity planned and conducted with help of TE and BE students, coordinated by Prof. V.S. Meshram and Prof Miss U.M Mathure. The activity aims food and blankets distribution to unprivileged people. One survey had done by the students in which they found out there are many unprivileged people who need food and blankets. The students had purchased 67 Food packets and 50 blankets for the people on the Railway Station which was contributed by 96 students (30 from T.E. & 66 from B.E.). Total 66 active volunteers were divided into 2 groups. 33 students were visited the Railway Station on 29<sup>th</sup> November and remaining 33 visited on 3<sup>rd</sup> December 2022. Purchased items were distributed amongst the unprivileged people on Railway station by the students. It was very pleasant to see them liking the things provided by the students. We look forward to organize such events in future.







## Students Corner:

### A. Students Placement:

Students placed in various multinational company (Data by Mr. S.V. Chakor).



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**Department of Electrical Engineering**  
**Campus Placement “Star Engineering Pvt. Ltd.”**  
*Hearty Congratulation*



**Ms. Harshika Padher**

**Ms. Ankita Dalvi**

**Ms. Poonam Labhade**

**Ms. Ashwini Bendkule**

**Ms. Shraddha Kapse**

**Prof. S. V. Chakor**  
T & P Coordinator

**Prof. M. K. Chuadhari**  
H. O. D

**Dr. P. C. Kulkarni**  
Principal

**Prof. P. M. Deshpande**  
Director(P)



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Studies and Research, Nashik Pin. 422 005  
[www.ges-coengg.org](http://www.ges-coengg.org)



**Department of Electrical Engineering**  
**Campus Placement “Wipro Pvt. Ltd.”**  
*Hearty Congratulation*



**Mr. Tejas Chuadhari**

**Prof. S. V. Chakor**  
T & P Coordinator

**Prof. M. K. Chuadhari**  
H. O. D

**Dr. P. C. Kulkarni**  
Principal

**Prof. P. M. Deshpande**  
Director(P)



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**Prof. S. V. Chakor**  
T & P Coordinator

**Prof. M. K. Chuadhari**  
H. O. D

**Dr. P. C. Kulkarni**  
Principal

**Prof. P. M. Deshpande**  
Director(P)



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**Department of Electrical Engineering**

Campus Placement “Capgemini Pvt. Ltd.”

*Hearty Congratulation*



**Ms. Kishori Sasane Ms. Snehal Kulkarni**

Prof. S. V. Chakor T & P Coordinator	Prof. M. K. Chuadhari H. O. D	Dr. P. C. Kulkarni Principal	Prof. P. M. Deshpande Director(P)
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**Department of Electrical Engineering**

Campus Placement “TCS Pvt. Ltd.”

*Hearty Congratulation*



**Mr. Gurav Pawar Mr. Suraj Shirsath**

Prof. S. V. Chakor T & P Coordinator	Prof. M. K. Chuadhari H. O. D	Dr. P. C. Kulkarni Principal	Prof. P. M. Deshpande Director(P)
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 Gokhale Education Society's  
R. H. Sapat College of Engineering, Management  
Studies and Research, Nashik Pin. 422 005  
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**Department of Electrical Engineering**

Campus Placement “Hind Rectifiers Pvt. Ltd.”

*Hearty Congratulation*



**Mr. Kaustubh Kakade**

Prof. S. V. Chakor T & P Coordinator	Prof. M. K. Chuadhari H. O. D	Dr. P. C. Kulkarni Principal	Prof. P. M. Deshpande Director(P)
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 Gokhale Education Society's  
R. H. Sapat College of Engineering, Management  
Studies and Research, Nashik Pin. 422 005  
www.ges-coengg.org

**Department of Electrical Engineering**

Campus Placement “TCS Pvt. Ltd.”

*Hearty Congratulation*



**Mr. Dhanesh Bhambre**

Prof. S. V. Chakor T & P Coordinator	Prof. M. K. Chuadhari H. O. D	Dr. P. C. Kulkarni Principal	Prof. P. M. Deshpande Director(P)
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Sr.No.	Name of Student	Batch	Company Name
1	Nitin Satpute	2022	TCS
2	Tejas Musale	2022	TCS
3	Gaurav Vanse	2022	Pin Click
4	Aditi Rajole	2022	ICICI Bank
5	Janvi Sawant	2022	ICICI Bank
6	Mahesh Pagar	2022	ICICI Bank
7	Gaurav Deshpande	2022	ICICI Bank
8	Shital Tayde	2022	ICICI Bank
9	Amisha Ujjankar	2022	ICICI Bank
10	Atharva Avahd	2022	Qspider
11	Purvi Nerkar	2022	Hiveminds digital Marketing

## B. Students Publications:

- 1) Tejashree M. Kadam, Shrunkhala G. Khadilkar presented a paper titled, “Performance analysis of Hybrid DCCBs with & without co-ordination of MMCs”, International Conference on Recent Trends in Electrical and Electronics Engineering (ICRTEEE-21), 23-24 Dec 2021(Virtual mode).
- 2) Saurabh Samant has presented a paper entitled, “The case study on electric vehicle manufacturer: OLA”, in a National level virtual students conference on AL, ML, and IOT applications in electrical engineering, organised by IET local network Nashik from 22<sup>nd</sup> -23<sup>rd</sup> Nov 2021.
- 3) Nearly 20 plus students have presented technical paper in National conference on Energy and Mobility 2021 organised by Our department.
- 4) **Mamata S. Patil**, A.S. Koshti, ‘Symmetrical Pulse Width Modulation technique for Harmonic elimination in PWM AC Voltage regulator using random Search Method, Lecture Notes in Electrical Engineering, Springer, Nov. 2022, pp. 479-492, (BOOK CHAPTER). [https://doi.org/10.1007/978-981-19-4364-5\\_35](https://doi.org/10.1007/978-981-19-4364-5_35).

## C. Students Achievements / Social Contributions:

- [1] Second year 15 students make contribution for Anath Balakashram gift distribution.



- [2] Third year 30 students make contribution for unprivileged people who need food and blankets at Nashik Road Railway Station.
- [3] Final year 66 students make contribution for unprivileged people who need food and blankets at Nashik Road Railway Station.
- [4] Pradip Komble, Shrikant Kadam, Shobhana Patil and Amey Gaikawad group secured “Frist Prize in I-RISE” project competition held at GES’s R. H. Sapat College of Engineering Mang. Studies and Research Nashik on 12<sup>th</sup> May 2022.
- [5] Ayush Kothawade has successfully completed one week training and industry internship program on AI and Data science using Python from 11<sup>th</sup> June 2022 to 15<sup>th</sup> June 2022 organised by Sandip university in association with Computer Society of India.
- [6] Ayush Kothawade has participated in worlds Anti-Drug Day, cycle rally on 2th June 2022 organised by Nashik City police and Nashik cyclist foundation.
- [7] Ayush Kothawade has participated in Rotary Virtual Cyclo fun 2022 held on 20<sup>th</sup> March 2022, hosted by Rotary Club of Rajkot Midtown.
- [8] Janhvi Chnadrade and Prathmesh Ingale (EED) of team ORKA secured **Overall Performance First Place** in the SAEISS Dr. G. Padmanabham memorial Electric Two-Wheeler Design Competition -2022, at Chennai on 17<sup>th</sup> and 18<sup>th</sup> Oct 2022.
- [9] Janhvi Chnadrade and Prathmesh Ingale (EED) of team ORKA secured **Special Award First Place** in the SAEISS Dr. G. Padmanabham memorial Electric Two-Wheeler Design Competition -2022, at Chennai on 17<sup>th</sup> and 18<sup>th</sup> Oct 2022.





## Faculty Corner:

### a. Faculty Publications:

- [1] **Rekha Tidke** and Anandita Chowdhury, “Quasi ZSI-fed sliding mode control-based indirect field-oriented control of IM using PI-fuzzy logic speed controller”, *Electrica*, 22(1), 70-83, Jan. 2022. (Scopus-ESCI Journal), DOI:10.5152/electrica.2021.21081.
- [2] **S.S. Halve**, Rajesh Arya, **Atul Koshti**, ‘Locating, Optimal Sizing and Reliability Analysis of Solar Based DGs in Radial Distribution System’, *Journal of Institution of Engineers, India: Series-B (Springer edition)*, Dec-2022 (Scopus indexed). Published <https://doi.org/10.1007/s40031-022-00826-3>
- [3] **S.S. Halve**, **Atul Koshti**, Rajesh Arya, ‘A Sampling Method based on System State Transition for Distribution System Adequacy Assessment using Distributed Generation’, *Journal of Operation and Automation in Power Engineering*. (Scopus indexed), October 2022. Published & DOI 10.22098/JOAPE.2023.9939.1701
- [4] **S.S. Halve**, Rajesh Arya, **Atul S. Koshti**, ‘Metaphor-less RAO-3 and Sine Cosine Algorithm for Optimal Sizing of DG's of Multiple Types in Radial Distribution system’, *Electrica Journal (Expanded SCI & Scopus)*, Sept 2022. Published & DOI 10.5152/electrica.2022.22019
- [5] Mamata S. Patil, **A.S. Koshti**, ‘Symmetrical Pulse Width Modulation technique for Harmonic elimination in PWM AC Voltage regulator using random Search Method, *Lecture Notes in Electrical Engineering*, Springer, Nov. 2022, pp. 479-492,. (BOOK CHAPTER). [https://doi.org/10.1007/978-981-19-4364-5\\_35](https://doi.org/10.1007/978-981-19-4364-5_35).
- [6] **S.S. Halve**, Rajesh Arya, **Atul S. Koshti**, ‘Metaphor-less RAO-1 Optimization based algorithm to determine shunt capacitor capacity in distribution system, *IEEE international conference CSNT 2022, SGSITS, Indore, 23-24 April 2022*.10.1109/CSNT54456.2022.9787589
- [7] Vishal R. Wagh, **A.S. Koshti**, ‘Evaluation of Series Voltage Injection Using Genetic Algorithm for Constant Load End Voltage, *Lecture Notes in Electrical Engineering*, Springer 30.04. April 2022, Vol. 836, pp. 209-221. (BOOK CHAPTER). [https://doi.org/10.1007/978-981-16-8542-2\\_17](https://doi.org/10.1007/978-981-16-8542-2_17)
- [8] **Naphade, V.**, Naphade, K., Ghate, V. (2022). The Saturated Core Fault Current Limiter in Modern Power Systems—A Laboratory Model Test Results. In: Kolhe, M.L., Jaju, S.B., Diagavane, P.M. (eds) *Smart Technologies for Energy, Environment and*



Sustainable Development, Vol 1. Springer Proceedings in Energy. Springer, Singapore.

[https://doi.org/10.1007/978-981-16-6875-3\\_34](https://doi.org/10.1007/978-981-16-6875-3_34)

- [9] **V. Naphade**, Saturated Core Fault Current Limiter in Electrical Power Industry: A Topological Survey, Industrial Engineering Journal (ISSN - 0970-2555), Published Vol. XV & Issue No.05 May – 2022 UGC-Care Listed National Journal.

### **b. Faculty Achievements:**

- [1] Mr. Vittesh. R. Naphade has successfully completed his Ph.D. from Research Center, Government College of Engineering Chandrapur. His topic of research was Fault current limiter Technology in Modern Power Systems.

### **c. Faculty Event/STTP / Workshop Attended:**

Faculty Name	Event type	Event Title	Event organised by
Dr. Atul. S. Koshti	Two days online FDP	Power System Design & Analysis using DigSILENT Power factory software, on <b>08-09 march 2022.</b>	Germany in Association with M/S DELLSOFT Technologies Pvt. Ltd., New Delhi
Dr. Atul. S. Koshti	One day online FDP	Microgrid System Design & Simulation using HOMER Pro & HOMER Grid software, on <b>10<sup>th</sup> March 2022.</b>	USA in Association with M/S DELLSOFT Technologies Pvt. Ltd., New Delhi
Dr. Atul. S. Koshti	Webinar	Attended MathWorks Webinar on Enabling Project Based Learning with MATLAB, simulink & Target Hardware conducted by Design Tech Systems Pvt. Ltd. on <b>12<sup>th</sup> March 2022.</b>	Design Tech Systems Pvt. Ltd.
Dr. Atul. S. Koshti	IPR Awareness program under NIPAM	IPR Awareness program under NIPAM on 21.07.22.	RHSCOEMSR, Nashik
Dr. Atul. S. Koshti	WORKSHOP	ANSYS WORKSHOP on Electromagnetics design 10-11 August 2022	EED, RHSCOEMSR, Nashik
Mrs. R. S. Tidke	WORKSHOP	ANSYS WORKSHOP on Electromagnetics design 10-11 August 2022	EED, RHSCOEMSR, Nashik



Mrs. S. G. Khadilkar	WORKSHOP	ANSYS WORKSHOP on Electromagnetics design 10-11 August 2022	EED, RHSCOEMSR, Nashik
Mrs. M. P. Deshpande	WORKSHOP	ANSYS WORKSHOP on Electromagnetics design 10-11 August 2022	EED, RHSCOEMSR, Nashik
Mr. S. V. Chakor	WORKSHOP	ANSYS WORKSHOP on Electromagnetics design 10-11 August 2022	EED, RHSCOEMSR, Nashik
Mrs. N. A. Amodkar	WORKSHOP	ANSYS WORKSHOP on Electromagnetics design 10-11 August 2022	EED, RHSCOEMSR, Nashik
Dr. RVS Ramkrishna	WORKSHOP	ANSYS WORKSHOP on Electromagnetics design 10-11 August 2022	EED, RHSCOEMSR, Nashik
Mr. V. S. Meshram	WORKSHOP	ANSYS WORKSHOP on Electromagnetics design 10-11 August 2022	EED, RHSCOEMSR, Nashik
Mr. S. P. Koparkar	WORKSHOP	ANSYS WORKSHOP on Electromagnetics design 10-11 August 2022	EED, RHSCOEMSR, Nashik
Miss. U. M. Mathure	WORKSHOP	ANSYS WORKSHOP on Electromagnetics design 10-11 August 2022	EED, RHSCOEMSR, Nashik
Mr. H. B. Wagh	WORKSHOP	ANSYS WORKSHOP on Electromagnetics design 10-11 August 2022	EED, RHSCOEMSR, Nashik
Mrs. R. S. Tidke	STTP	Sustainable Development and Recent Advances in Electrical Engineering 26th September 2022 to 30th September 2022	Department of Electrical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat.



## Department in News:

(News by Mrs. M.P. Deshpande).

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## आर. एच. सपट अभियांत्रिकी महाविद्यालयात 'एनर्जी ऑफ मोबिलिटी' विषयावर राष्ट्रीय परिषद संपन्न

**नाशिक :** सावित्रीबाई फुले पुणे विद्यापीठ संलग्न व गोखले एज्युकेशन सोसायटी संचालित आर. एच. सपट अभियांत्रिकी महाविद्यालयाच्या विद्युत विभागाच्या आयोजित 'एनर्जी ऑफ मोबिलिटी' (ऊर्जा आणि गतिशीलता) या विषयावरील राष्ट्रीय परिषद नुकतीच संपन्न झाली. या परिषदेदरम्यान सुमारे ६० शोधनिबंध सादर करण्यात आले. कार्यक्रमांतर्गत प्रमुख वक्ते डॉ. तारंबले यांनी उपस्थितांना ऊर्जा आणि गतिशीलता यांचे महत्त्व सांगितले. "जग हे ऊर्जा गतिशीलतेकडे वेगाने जात आहे. ऊर्जा आहे, पण जर गतिशीलता नसेल, तर कार्य करण्यात काही मर्यादा येतात. म्हणूनच आधुनिक काळात ऊर्जा आणि गतिशीलता क्षेत्रात संशोधनासाठी खूप संधी उपलब्ध आहेत," असेही तारंबले याप्रसंगी म्हणाले. या राष्ट्रीय परिषदेसाठी देशभरातून मिळालेल्या उत्तम प्रतिसादाबद्दल संस्थेचे संचालक सर डॉ. मो. सा. गोसावी, प्रकल्प संचालक प्रदीप देशपांडे आणि प्राचार्य डॉ. पी. सी. कुलकर्णी यांनी आयोजक डॉ. दीपक सोनजे, डॉ. ए. एस. कोष्टी, डॉ. रामकृष्ण आणि विभागप्रमुख मंदार चौधरी यांचे अभिनंदन करत शुभेच्छा दिल्या. परिषदेचे समन्वयक एस. जी. खाडिलकर यांनी प्रमुख अतिथींचा परिचय करून दिला, तर दीपक सोनजे यांनी आभारप्रदर्शन केले.

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## 'सपट'च्या विद्यार्थ्यांचे उत्तुंग यश

**नाशिक :** येथील 'गोखले एज्युकेशन सोसायटी' संचालित 'आर. एच. सपट अभियांत्रिकी महाविद्यालया'तील अणुविद्युत व दूरसंचार विभागातील मानस जकातदार, अभिषेक दीक्षित व संपदा राऊत या अंतिम वर्षाच्या विद्यार्थ्यांनी हाताच्या जेश्चरद्वारे 'ड्रोन'ला नियंत्रित केली जाणारी प्रणाली 'ड्रोन'मध्ये समाविष्ट केली आहे. 'कॉम्प्युटर व्हिजन' आणि 'ऑब्जेक्ट ट्रॅकिंग' अशा प्रणालीने आपण आपल्या तळहातातून 'ड्रोन' लॉन्च करू शकणार आहेत. यासाठी कोणतेही रिमोट किंवा ऑप आवश्यक नसून वापरकर्ता त्याच्या हातांच्या विविध पूर्वनिर्धारित हालचालीने 'ड्रोन'द्वारे सेल्फी घेऊ शकणार आहे. विद्यार्थ्यांनी विविध महाविद्यालयातील स्पर्धांमध्ये सहभाग नोंदविला व त्यांच्या प्रकल्पाला उत्कृष्ट प्रकल्प म्हणून तीन पारितोषिके मिळाली आहेत. या प्रकल्पासाठी विद्यार्थ्यांना अणुविद्युत व दूरसंचार विभागातील साहाय्यक प्राध्यापक राहुल शिंपी यांचे मार्गदर्शन लाभले. या यशाबद्दल महाविद्यालयाचे प्राचार्य प्रा. डॉ. पी. सी. कुलकर्णी यांच्या हस्ते विद्यार्थ्यांचा सत्कार करण्यात आला. या यशाबद्दल प्रकल्प संचालक प्रा. प्रदीप देशपांडे व आस्थापना संचालक शैलेश गोसावी यांनी विद्यार्थ्यांचे अभिनंदन केले.

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## सपट अभियांत्रिकीच्या विद्युत विभागात विविध कार्यशाळा संपन्न

**नाशिक , दि. १७ (प्रतिनिधी):** 'सावित्रीबाई फुले पुणे विद्यापीठ' संलग्न 'आर. एच. सपट अभियांत्रिकी महाविद्यालया'तील विद्युत विभागात नुकतेच वेगवेगळ्या विषयांवर कार्यशाळा आयोजित करण्यात आल्या होत्या. याअंतर्गत द्वितीय, तृतीय तसेच अंतिम वर्षातील विद्यार्थ्यांनी सहभाग नोंदविला. यावेळी प्रकल्प आधारित



शिक्षण या संकल्पनेअंतर्गत तयार करण्यात आलेल्या प्रकल्पांचे सादरीकरण तसेच स्पर्धांचे आयोजन करण्यात आले होते. या उपक्रमांतर्गत विद्यार्थ्यांनी

विद्युत क्षेत्रातील विविध मूलभूत संकल्पना प्रात्यक्षिकांद्वारे सादर करण्यात आल्या. सादर करण्यात आलेल्या प्रत्येक प्रकल्पाची उद्दिष्टे, परिणाम आणि उपयोग या प्रदर्शनाच्या माध्यमातून स्पष्ट करण्यात आले. सदरचे प्रदर्शन हे प्राध्यपक व्ही. आर. नाफडे यांच्या मार्गदर्शनाखाली आयोजित करण्यात आले होते. यावेळी 'हॅण्ड्स ऑन ट्रेनिंग ऑन मेजरिंग इन्स्ट्रुमेंट्स' यावर

आधारित कार्यशाळादेखील पार पडली. याअंतर्गत आधुनिक काळात विद्युत क्षेत्रात वापरले जाणारे नवीन जुने असे मोजमापाचे साधने आणि उपकरणे यांची ओळख करून देण्यात आली. या कार्यशाळांसाठी संस्थेचे प्रकल्प संचालक पी. एम. देशपांडे, प्रा. डॉ. पी. सी. कुलकर्णी, विद्युत विभागाचे विभागप्रमुख मंदार चौधरी आदींसह प्राध्यापकवृंद उपस्थित होते.



## ‘सपट’च्या विद्यार्थ्यांची राष्ट्रीय स्पर्धेत चमक

म. टा. प्रतिनिधी, नाशिक

इलेक्ट्रिक वाहनांच्या वाढत असलेल्या बाजारपेठेत अधिक सुरक्षित ई-बाइक देण्याच्या उद्देशाने सपट इंजिनीअरिंग कॉलेजच्या विद्यार्थ्यांनी बनविलेली ‘पिनाक’ ही इलेक्ट्रिक बाइक देशभरात अव्वल ठरली आहे.

‘सोसायटी ऑफ ऑटोमोबाइल इंजिनीअर्स’मार्फत (एसएई) नुकत्याच चेन्नई येथे झालेल्या स्पर्धेत या कॉलेजच्या विद्यार्थ्यांनी हे यश मिळविले आहे. इलेक्ट्रिक वाहनांबाबत विद्यार्थ्यांच्या कल्पना जाणून घेण्यासाठी ‘एसएई’मार्फत नुकतीच देशपातळीवरील

# पिनाक ई-बाइक देशात ठरली अव्वल!



## शुभवार्ता

ई-बाइक डिझायनिंग स्पर्धा झाली. देशभरातील विविध इंजिनीअरिंग महाविद्यालयांतील ५८ संघ यामध्ये सहभागी झाले होते. यामध्ये नाशिकच्या गोखले एज्युकेशन सोसायटीच्या आर.एच. सपट इंजिनीअरिंग कॉलेजच्या संघाने प्रथम क्रमांक पटकावला आहे.

या संघाने बनविलेली ‘पिनाक’, ही ई-बाइक अव्वल ठरली असून, ही बाइक डिझाइन करताना सुरक्षेवर अधिक भर देण्यात आल्याची माहिती या विद्यार्थ्यांनी दिली. ई-बाइकला अधिक पसंती मिळत असली, तरी पारंपरिक

इंधनावर चालणाऱ्या वाहनांच्या तुलनेत या वाहनांमध्ये काही समस्याही आहेत. तापमान वाढल्यामुळे या वाहनांनी पेट भेतल्याच्या घटना घडल्या असून, त्यावरच विशेष लक्ष केंद्रित करून ही बाइक डिझाइन केल्याचे या संघाचा कॅप्टन चिन्मय भणगे याने सांगितले.

कॉलेजच्या मेकॅनिकल विभागातील सहा, तसेच इलेक्ट्रिकल व इलेक्ट्रॉनिक्स विभागातील प्रत्येकी दोन विद्यार्थ्यांनी या संघात सहभाग घेतला. स्पर्धेतील प्रथम क्रमांकाचे ७५ हजारोचे व नाविन्यपूर्ण शोधासाठीचे दहा हजारोचे पारितोषिक या विद्यार्थ्यांनी पटकावले.

तंत्रभारत  
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‘ली’ खेले पडोरे तो बनोरे नवाब,  
‘खेलेगे कुलेगे तो बनोरे खराब,’  
अशी आपल्या समाजाची धारणा असल्याची अनुभूती प्रत्येक किंवा अप्रत्यक्ष पद्धतीने सर्चनाच प्राप्त होत असते. मात्र, आजपर्यंत काळ आणि समाजाचा खेळकडे बघण्याचा दृष्टिकोन बदलत आहे. संकट-प्रसंगांचा सामना करत खेळकडे वळकल्या खेळाडूची मजल राष्ट्रीय पातळीपर्यंत जाते, तेव्हा तो खेळाडू नक्कीच दखलपात्र ठरतो.

## माणसं प्रवर देशपांडे

असाच काहीसा प्रवास आहे नाशिकच्या साक्षी सुनील तेजाकेचा. साक्षीच्या वडिलांना स्त्रीय डिस्कचा त्रास होता. अपभारण दूर होण्यासाठी डॉक्टरांनी त्यांना पाण्यात चालण्याचा व्यायाम प्रकार सांगितला. स्वा. सावरकर जलतरण तळाबात साक्षीचे वडील हे पाण्यात चालत अशाच वेळी आपल्या मुलांनाही पोहोचविले पाहिजे, असा विचार त्यांच्या डोव्यात आला. यातूनच केवळ बयाच्या पाचव्याच वर्षी साक्षीने

## स्वअस्तित्वाची साक्ष देणारी ‘साक्षी’

संकट-प्रसंगाचा सामना करत राष्ट्रीय पातळीपर्यंत मजल मारणाऱ्या नाशिकची जलतरणपटू साक्षी तेजाके हिच्या कारकिर्दीचा आढावा घेणारा हा लेख...

जलतरणास सुरुवात केली.

त्यानंतर आई-वडील प्रेरणास्थान असलेल्या साक्षीने जलतरणात कधीही मागे वळून पाहिले नाही. एकापेक्षा एक आव्हानात्मक स्पर्धांचा सामना करत साक्षीने स्वअस्तित्व निर्माण केले. नाशिक येथील एका प्रतिष्ठित महाविद्यालयात विद्युत अभियांत्रिकीचे शिक्षण घेत असलेली साक्षी ही सध्या ‘विप्रो’ या आंतरराष्ट्रीय कंपनीत प्रकल्प अभियंता म्हणून कार्यरत आहे. तिच्या महाविद्यालयात कंपनीच्यावतीने घेण्यात आलेल्या मुलाखतीत तिला नोकरीसाठी आवश्यक असलेल्या ‘आयटी’ क्षेत्राबाबत इतरापेक्षा जरा कमीच माहिती होती. मात्र, ही मुलीला तिला जे माहित नाही ते सर्व सहज आणि कमी वेळात आत्मसात करू शकेल, याची खात्री मुलाखतकारांना साक्षीचे व्यक्तिमत्त्व पावून झाली. आपल्या

या व्यक्तिमत्त्वाचे श्रेय साक्षी आपल्या जलतरणास देते. आजवर साक्षीने जिल्हास्तर ते राष्ट्रीय पातळीवरील अनेकविध स्पर्धांत आपली चमक दाखविली आहे. साक्षीने आजवर ‘लॉग डीस्टन्स’, ‘सी स्विमिंग’, ‘ट्रयथलॉन’ (स्वमिंग, सायकलिंग व रनिंग) ‘इंटरथलॉन’ (स्वमिंग व रनिंग) आदी प्रकारात विशेष प्राविण्य प्राप्त केले. साक्षी सायकलिंग आणि मॅरेथॉन आदी स्पर्धांत नियमित सहभाग नोंदवत असते.

साक्षीने बयाच्या दहाव्या वर्षी पा.स.नं.च समुद्रात पोहण्यास सुरुवात केली. तिने कुलाबा येथे भारतीय नौदलातर्फे आयोजित

करण्यात येणाऱ्या सहा किमीच्या ‘सी स्वमिंग’ प्रकारात सहभाग नोंदविला आहे. या स्पर्धेत तिने अखिल भारतीय स्तरावर दहावा क्रमांक प्राप्त केला आहे. तसेच, पश्चिम बंगाल येथे भागीरथी नदीमध्ये आयोजित १९ किमी स्पर्धेत उद्यम कामगिरी करत सव्वीचे लस आपल्याकडे वेधून घेतले. तसेच, बयाच्या केवळ १२व्या वर्षी साक्षीने गुजरातमध्ये अरबी समुद्रात आयोजित २९

किमीची समुद्र स्पर्धा सर केली. सकाळी ८.३० वाजता समुद्रात उतरलेल्या साक्षीने संध्याकाळी ४.३० वाजता समुद्रबाहेर

पाऊल टाकले. या स्पर्धेत तिने तब्बल साडेआठ तास पोहत आठवा क्रमांक मिळविला. या स्पर्धेत साक्षी ही सर्वात लहान खेळाडू होती. या स्पर्धेत साक्षीच्या जीवनात आमूलाग्र बदल घडविले. आत्मविश्वास, स्वहिताची ओळख आणि स्व जिद्द यांची ओळख साक्षीला झाली. या स्पर्धेसाठी तिच्या वडिलांनी अपार मेहनत साक्षीकडून करून घेतली होती. खूप कष्ट केले. विविध स्पर्धा पदकांची कमाई केली.

गुजरातच्या स्पर्धेनंतर आपल्यातीलच क्षमता आपल्याला कशा नव्याने जाणवत असतात, याची जाणीव झाल्याची साक्षी आवर्जून नमूद करते. ही स्पर्धा मुलांची स्पर्धा म्हणून खास करून ओळखली जाते. मात्र, मुलांसाठी असणारे अंतर एवढ्या लहान वयातील मुलीने पार केल्याने साक्षीचे कीर्तुक झाले.

आपल्या जलतरणाच्या प्रवासात साक्षीने आजवर अनेकविध मोठ्या व मान्यवर स्पर्धा खेळत आहे. या स्पर्धांमुळे आत्मविश्वास वाढला असल्याचे ती आवर्जून नमूद करते. त्यामुळेच इतर विद्यार्थ्यांपेक्षा आपले व्यक्तिमत्त्व हे वेगळे बनत गेल्याचे ती सांगते. जे अवघड आहे ते शिकण्याची मनोवृत्तीची

वाढ होण्यास जलतरणाचे खूप मोठे योगदान असल्याचे साक्षी सांगते.

जीवनात जलतरणाचे महत्त्व विवाद करताना साक्षी सांगते की, “जलतरणामुळे व्यक्तिमत्त्वाचा सर्वसमावेशक विकास होण्यास घालना मिळते. वेळेचे व्यवस्थापन करणे, काय, “याची जाणीव जलतरणामुळे समुद्र होत असल्याचे साक्षी सांगते. अभ्यास, खेळ, वडिलांचा व्यवसाय यांचे व्यवस्थापन करण्याचे कौशल्य ही जलतरणाचीच देण असल्याचे ती आवर्जून नमूद करते. आजपर्यंत ‘ऑल राऊंडर’ व्यक्तिमत्त्व अशी ओळख आपल्याला जलतरणामुळेच मिळाल्याचे ती आवर्जून सांगते.

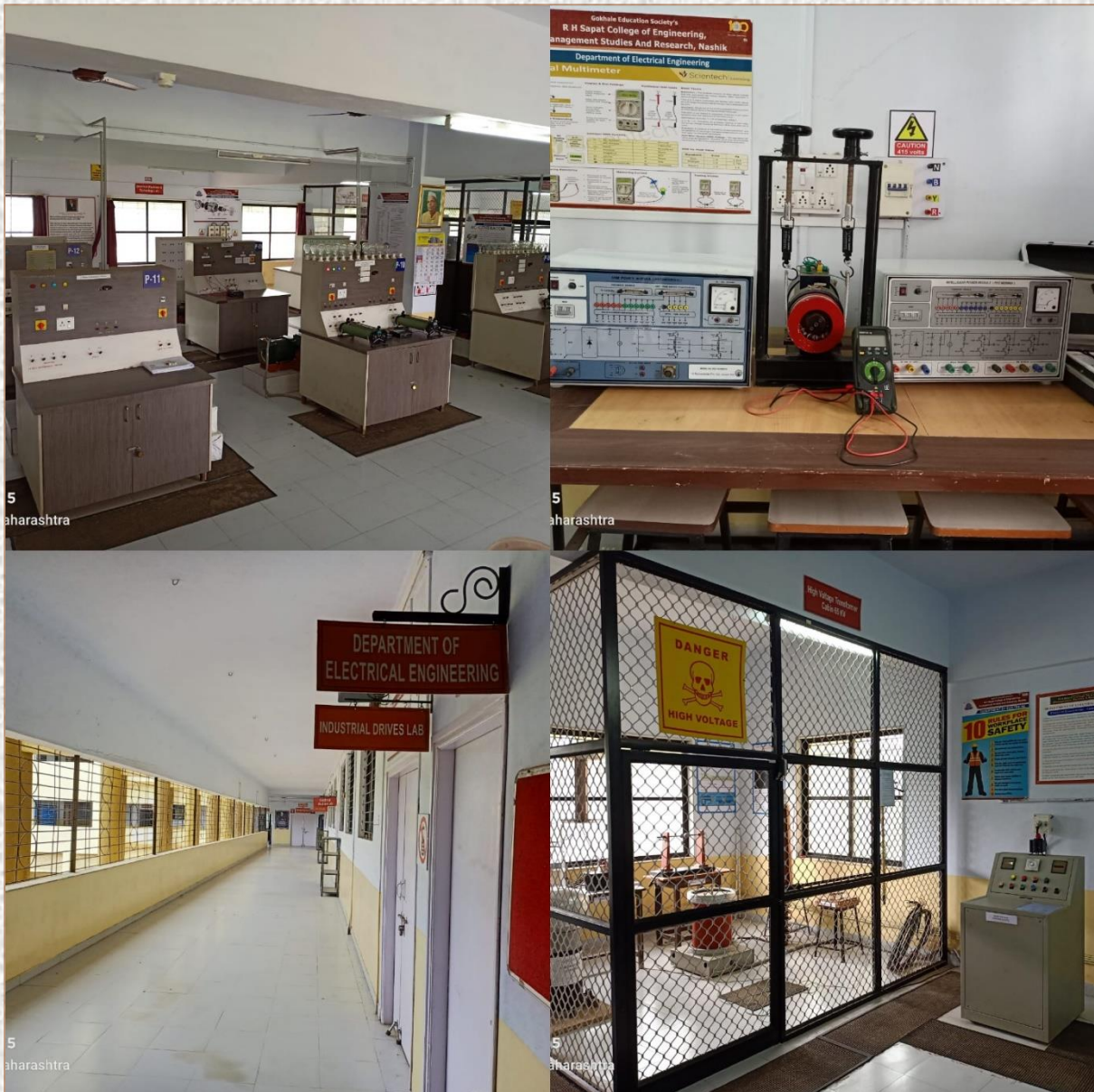
बयाच्या आठव्या वर्षी नियंत्रित करत असताना मार्ग चुकलेल्या साक्षीने न डगमगता योग्य मार्गाचा अवलंब करत, आपल्या लहान मावालाही आधार देत ते नियंत्रित पूर्ण केले. मनाची स्थिरता आणि संकटांना सामोरे जाण्याची ही वृत्ती जलतरणामुळेच विकसित झाल्याचे ती सांगते. आगामी काळात वडिलांसह ‘आयनमॅन’ स्पर्धा पूर्ण करण्याचे स्वप्न साक्षी उराशी बाळगून आहे. तिच्या आगामी वाटचालीस अनेकानेक शुभेच्छा!

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## Declaration:

Content in the e-Newsletter “The Quest for Excellence” is compiled by **Prof. Mrs. R. S. Tidke**. Suggestions and inputs leading to the improvement of this newsletter are highly welcomed. Please write on, [hod.electrical@ges-coengg.org](mailto:hod.electrical@ges-coengg.org) and [rekha.tidke@ges-coengg.org](mailto:rekha.tidke@ges-coengg.org)





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