

VISION OF THE INSTITUTE

Educational institution for Empowerment through technological excellence towards sustainable development

MISSION OF THE INSTITUTE

- Value based and demand driven education using best practices
- Promotion of research, innovation and entrepreneurship
- Commitment to sustainable solutions in service of society
- Capability to face local and global challenges

SHORT TERM GOALS: GCOEARA@2023

- Accreditation of UG program in Mechanical, Automobile and Instrumentation and Control Engineering
- Establishing research center in Mechanical and Automobile departments
- 50 % of faculty having PhD qualification
- 80% Placement/Higher Education /Self Employment
- Seeking grants up to Rs. 50 Lacs
- Establishment of Incubation center
- Establishment of Appropriate Rural Technology Center
- Sustainable development through Solid Waste Management, Rain Water Harvesting and Green Energy
- 50% projects to be interdisciplinary or sponsored
- 50 hours per year of social service by staff and students
- IRG of Rs. 15 Lacs per year
- 1 CEP/Conference per year per department.
- 2 weeks of Industrial training/STTP/FDP per year per faculty in a reputed organization.

LONG TERM GOALS:GCOEARA@2028

- 80% of faculty having PhD qualification
- 100% Placement/Higher Education /Self Employment
- Accreditation of UG programs in E & TC, Computer and Civil Engineering
- 1 patent per year per department
- 1 research paper in any reputed journal per faculty per year
- 3 start ups by the end of 2025
- Meeting 25 % of electrical energy demand through renewable energy sources by 2025
- Center of excellence in Appropriate Rural Technology
- 05 MoU with any reputed Foreign University
- Establishing research center in Instrumentation, E & TC, Computer and Civil Engineering departments.
- Full Autonomy by 2025
- 01 Industry sponsored laboratory in every department

CORE VALUES

- Integrity
- Excellence
- Transparency
- Inclusivity
- Lifelong learning

DISCLAIMER

By using the pdf and the content offered, you agree to follow and be bounded by those terms and conditions which are hereby incorporated for reference. If you do not wish to be bound by these terms and conditions you may not access or use this pdf and the service offered via pdf.

1. The information, contents and views set out in this magazine,(articles/poems/sketches) are of the respective authors which do not necessarily reflect the official opinion of the Government College Of Engineering And Research, Avasari(Kh.).
2. Neither the institute, the principal and the magazine committee nor the person acting on their behalf may be held responsible for the use of which may be made of the content contained therein.
3. Material in this pdf is intended for the promotion of the co-curricula's of the student of the institute.
4. Some images used in here may be copyright, but there aren't used commercially.
5. You agree not to make any abusive use of the photos contained herein.
6. Although every care has been taken in the publication of the content in the pdf, the authors, the editors, the magazine incharge and the developers shall not be responsible on account of errors or omissions which might hap crept in.
7. The responsibility of authenticity of the works(articles/poems/images) rests with the respective authors and artists. Neither the institute nor the magazine committee is responsible for any violation of copyright laws.

Thank You.

You accept all the terms and conditions by browsing down.

FROM THE PRINCIPAL'S DESK



It gives me great pleasure to write a few words as prologue for our in-house college magazine 'Zenith 2018-19'. It is exclusively meant for bringing out the potential writing talent as a part of your overall personality development. We are sure this magazine will help to acquire knowledge and skills, build character and enhance employability of our young talented students to become globally competent. The all-round progress of our students is of paramount importance and our most cherished motto as it will help them to empower better India through education. It is indeed a matter of great pride that our institute has made outstanding progress, in academic, co-curricular and extra-curricular activities. I feel proud of being the Principal of such a magnificent institution fully dedicated for the betterment of students. I congratulate all the contributors and the editorial board for bringing out such an outstanding magazine. As a Principal of Government College of Engineering & Research, Avasari(kh.) , it gives me a profound privilege and pleasure to inform that this institution is putting consistent, insistent and persistent efforts to serve the nation at its best. Our institution is

consistently trying to empower the students with sound knowledge, wisdom, experience, life values and methodological training both at the academic level and in the highly competitive global market. The institution aims at changing the face of rural region by acting as a prime centre of knowledge enhancement and career development. I extend my wishes to all the readers.

Wishing you the best for scaling bigger success and achieving newer heights in the coming days.

MESSAGE FROM MAGAZINE FACULTY CO-ORDINATOR

I congratulate the students of GCOEAR Avasari who have taken the initiative and have contributed to this edition of the College magazine 'Zenith- 2019'. It's a great pleasure to present this issue of Zenith.

Magazine of this kind provide an opportunity to the engineering students to express their latent talent, ideas and thoughts in the form of articles, poems, views about the life and experiences inside and outside the campus. It shows that technical minds are no less when it comes to creative writing and expressing their philosophical and technical minds.

It has been a wonderful experience to work with the editorial team and to see the creations taking shape. I thank you all for your contributions. Thanks to our Principal Dr. A. S. Pant , all HoDs, Faculty members and staff for the contributions.

I sincerely hope that you enjoy reading this magazine.



Dr. Rajendrakumar Anantrao Patil

MESSAGE FROM THE MAGAZINE FACULTY CO-COORDINATOR

Your time is limited, don't waste it living someone else's life. Don't be trapped by dogma, which is living the result of other peoples thinking. Don't let the noise of others opinion drowned your own inner voice. And most important, have the courage to follow your heart and intuition, they somehow already know what you truly want to become. Everything else is secondary.

Mrs. Pratima Dambre



MESSAGE FROM THE MAGAZINE STUDENT CO-ORDINATOR

The editorial board is glad to release the current issue of "ZENITH 2018-19". The contribution and dedication of faculty members, students and nonteaching staff of GCOEARA is continuously helping the magazine in stepwise manner for achieving new mile stone. The magazine provides a perfect platform to highlight the literary and artistic segments of our institute. The purpose of this college magazine is to unlock the hidden potential within the students and helped the students for self motivation. I want to extend my sincere thanks to my editorial team for the support to make this magazine stand out. The editorial board welcomes the comments and suggestions to improve the quality of magazine.



I am pleased to say that the management & staff is excellent & do not hesitate to put in their best in all college activities & upgradation.

I would like to thank students, teaching & non-teaching staff for your kind & continued support in the progress of this Institution May Almighty God shower his choicest blessings upon all.

Happy Reading Folks!!!

Miss. Sanjana Jadhav
Student Co-ordinator
ZENITH 2018-19

MESSAGE FROM THE CULTURAL SECRETARY

मी वैष्णव ज्ञानेश्वर विरकर ,आपल्या महाविद्यालयाच्या सांस्कृतिक सचिव म्हणून काम पाहत आहे . खरंतर चतुर्थ वर्षामध्ये शिकत असल्याकारणाने विद्यार्थी प्रतिनिधी होण्याचा फारसा विचार नव्हता परंतु CC मॅबर आणि आप्तेष्टांचा माझ्यावरील विश्वासाने आणि आग्रहाने मी या पदाची जबाबदारी स्वीकारण्यास तयार झालो. खरंतर या प्रवासाची सुरुवात त्या आधीच झालेली यावर्षी सर्व इच्छुक विद्यार्थ्यांना Cultural Club मध्ये समाविष्ट करण्यात आले व सर्वांना CC चे अधिकृत सदस्यत्व प्राप्त करून देण्यात आले. या वर्षीपासून प्रत्येक सदस्याचे मूलभूत माहिती अधिकृतरीत्या जोपासण्यात येणार आहे. या मागचा माझा एकच उद्देश होता की विद्यार्थ्यांचा आत्मविश्वास आणि वक्तृत्व कौशल्य वाढावे.

आपल्या महाविद्यालयातील पटनाट्य संघाने "आरक्षण" या विषयावरील पथनाट्य सादर करून COEP Impression येथे रसिकांचे मन जिंकले आणि द्वितीय क्रमांक पटकावला तसेच "Mood Indigo" या IIT Bombay च्या Cultural Fest मध्ये सहभाग नोंदवला.दरवर्षी प्रमाणे भीमाशंकर करंडक मध्ये मोठ्या संख्येने सहभागी होऊन विविध स्पर्धांमध्ये आपल्या महाविद्यालयातील विद्यार्थ्यांनी बाजी मारली . या करंडक मध्ये मला उत्कृष्ट विद्यार्थी प्रतिनिधी या पुरस्काराने गौरवण्यात आले

महाराष्ट्रातील सर्वात नावलौकिक असलेले करंडक अर्थातच फिरोदिया करंडक मध्ये देखील आपल्या महाविद्यालय संघाने सहभागी होऊन उत्कृष्ट कामगिरी बजावली.

यावर्षी RESONANCE अंतर्गत बरेचसे बदल करून नवीन उपक्रम राबविण्यात आले . विशेष दिवस सादरीकरणामध्ये ढोल ताशा पथक आणि Coffee with CS हे प्रमुख आकर्षणाचे केंद्रबिंदू ठरले या सर्व कामगिरीबद्दल मी फुटाणे सर , बोंगुलवार सर आणि प्राचार्य डॉ. अविनाश पंत सरांचे आभार मानतो. CC परिवाराने कायम दर्शविलेल्या पाठिंब्याबद्दल आणि केलेल्या सहकार्याबद्दल कायम ऋणी राहिल.

माझ्या यशाचे श्रेय मी त्या दोन स्त्रियांना देईन एक ती जिच्यामुळे आज मी आहे आणि दुसरी जिच्यामुळे मी आज इथे आहे. या महाविद्यालयाने मला भरपूर काही दिले आहे. ज्याचे आभार शब्दात मानता येणार नाही आणि मानायचे तरी कसे आपण म्हणतो विद्यार्थी महाविद्यालय घडवत असतात पण खरंतर महाविद्यालयात विद्यार्थ्यांना घडवत असते आणि म्हणूनच या महाविद्यालयामध्ये आंतर महाविद्यालयीन स्पर्धांमध्ये आणि बाहेरच्या जगात तर आणि दर्जा उंचावण्याचा प्रामाणिक प्रयत्न केला आहे करतो आणि करत राहिल.

वैष्णव ज्ञानेश्वर विरकर
(सांस्कृतिक सचिव)

MESSAGE FROM THE SPORTS SECRETARY

It's been a great opportunity for me to deliver message to my friends through Annual College Magazine. Firstly I want to thank everyone for cooperating with me during the sports fest. Sports have never been about winning or losing, it's always about participating. I am very glad that every sports person in the college show their whole dedication on ground no matter whatever be the result. Being a sports secretary of our college was a great honor for me. It will be the memory and wonderful experience for me throughout the life.

I will share some achievement with our college students for this academic year 2018-19. Starting with university level, our college girls kho-kho team won the winner trophy at "ZEST 2K19" at COEP. Same girls team were 2nd runner up at IIT BOMBAY. Similarly the girls kabaddi team won the winner trophy at "ZEST 2K19" at COEP. Boys kho-kho team had reached to semis in the same "ZEST 2K19" at COEP. Our college secure 5th place in the 10m "RIFLE SHOOTING" event this year. All this achievements were not possible without hard work of players & great support from the college.

I would like to thank every sports living student from our college. I am also thankful to my seniors for their guidance. All game coordinators took their responsibility and complete their work well in time. This journey was not possible without the support of our beloved Principal Dr. A. S. Pant and Gymkhana in charge Dr. N.P. Futane sir along with very cooperative Mr. S.D. Patil Sir and Smt. Morde Ma'am.

Tejas Kakad
(Sports Secretary)



CONTENTS

TECHNICAL NUGGETS

- Ethical Hacking
- JAXA & Toyota Team to shape a futuristic moon rover

LITERATURE

- Our Brave Heroes
- Some
- Mellifluous Suspicion
- महाराष्ट्रातील विविध बोलीभाषा
- मराठी साहित्य
- या जगात आपल कोणी नसतं, तर कोणासाठी जगायचं असतं
- आतुरता पावसाची
- पाखरु
- माय-बाप
- कट गये युही चार साल

CONTENTS

STUDENT CLUBS

- Entrepreneurship Cell
- गणेशोत्सव अहवाल
- Team Phalanx
- National Service Scheme
- Water Management by constructing bunds on mountain
- Tree Plantation and conservation under 15 crore tree plantation scheme by Government of Maharashtra
- ट्रॅक्टर डिझाईन स्पर्धा
- Racing Sports
- I2I competition by BHAU Institute, COEP
- Woman's Grievances Committee Report



CONTENTS

EVENTS/ACTIVITIES

- ABINITIO 2018-19
- COMBAT 2K19
- Resonance 2K19
- Personality Development Program
- Alumni Meet 2019
- FDP on "Recent Scenario and Future Trends in automotive industry"
- A One-day workshop on "Best Concrete practices" at GCOEARA
- Ignited Innovators of India 2018
- GCOEARA students shine in Chess Championship
- Notable success of GCOEARA in the "COEP Impression Pathnatya

CONTENTS

- Competition"
- Graduation ceremony held in GCOEARA
- A two-day Entrepreneurship development camp at GCOEARA
- FDP on "Advances in Internet of Things"
- Indian Road safety Hackathon
- ISTE students' chapter inauguration at GCOEARA
- महिला अधिकारी, कर्मचारी व विद्यार्थीनीना आरोग्य व आहार या विषयावर मार्गदर्शन
- Parents Teachers Meet
- FE Induction Program
- शौर्य दिन



CONTENTS

- उद्योजकता विकास शिबीर संपन्न
- 'ऊर्जा संवर्धन व बचत' या विषयावर वकृत्व स्पर्धा संपन्न
- Yoga Day
- महिला लैंगिकशोषण
- Empowerment of women through entrepreneurship development and social awareness
- स्वच्छता मोहिम
- Training and Placement Cell

ART SECTION

- Student Paintings

CONTENTS

DEPARTMENT REPORTS

- Department of Applied Science
- Department of Automobile Engineering
- Department of Computer Engineering
- Department of Civil Engineering
- Department of Electronics and Telecommunication
- Department of Instrumentation and Control Engineering
- Department of Mechanical Engineering



TECHNICAL NUGGETS

Ethical Hacking

In today's digital era, one of the biggest threats comes from cyber criminals. Hackers were not taken seriously until a few years back. According to surveys conducted by cyber security firms in the country, the cost of cyber attacks in India is about \$10.4 million in 2018 alone because of hacker. As per 2018 figures reported by rediff.com 'India needs more



than 4 lakh Ethical hackers' as against only a mere 30,000 certified professional ethical hackers in that year.

What Is Ethical Hacking?

Ethical hacking, also known as penetration testing or pen testing, is legally breaking into computers and devices to test an organization's defenses. The security risks and vulnerabilities in a network can be recognized with the help of ethical hacking. This research completely based on ethical hacking, problems that may occur while hacking process is in progress and various ethical hacking tools available for organizations. These professionals employ methods similar to that used by malicious hackers, but they are required to be a step or two ahead of their vicious counterparts. Ethical or white hat hackers may be employed by the government, banks, or private firms to prevent cyber crime.

Ethical hacking includes services like the following:

Application Testing: Done to uncover flaws in the system at the very core or logical level

Remote or war dialing: Used to test open-ended modem connections that remotely connect to a network

Local network testing: Deals with testing of services, protocols, system devices and virtual private networks

Wireless security: A method of measuring the level of security available in the framework as a whole

Stolen laptop: Done using the PC of an important employee, this test examines for passwords and personal information stored in a dial-up software

Social engineering: This type of hacking is very difficult to carry out as it involves people, personalities and employees.

Why is Ethical Hacking Necessary?

As the complexity of security vulnerabilities have grown, so too has the need for ethical hackers and their prominence in businesses across the globe. Taking a proactive approach to security can help organizations better protect their data and reputations, as well as save money.

"The elevated threat landscape, therefore, urgently dictates the need for a comprehensive, real-world assessment of an organization's security posture. This assessment is a first vital step to enact effective security policies, procedures, and infrastructure that will prevent or mitigate the effects of a data breach." Ethical hacking as a career offers immense opportunities. A fresh certified ethical hacker could attract a salary anywhere between INR 3.5 and 4 lakh per year. Experienced professionals in this field such as security consultants, information security analysts, and ethical hacking experts can command salaries in the range of INR 9 to INR 20 lakh. The security of an enterprise should be analysed for effectiveness from time to time. Since businesses work in a structured yet complex environment comprising of security, policies and changing technologies, involving complex interactions and interoperations, there is a need to assess the system with a holistic approach.

Sachin Phapale

(Certified Information Security Researcher And Ethical Hacker),
(Certified Information Systems Security Professional) ,
TE Computer

JAXA & TOYOTA TEAM TO SHAPE A FUTURISTIC MOON ROVER

The recent announcement by the Japanese automotive giant claims that it had entered into an agreement with the Japanese Aerospace Exploration Agency (JAXA) to study the possibility of partnering on the design of a pressurized lunar rover. JAXA, the Japanese space agency, also says that it has agreed “to study the possibility of collaborating on international space exploration” with Japanese carmaker Toyota.



JAXA has teamed up with Toyota to develop a moon rover for future astronauts. It could be ready by 2029. (Image: ©JAXA)

As we know, Toyota may already be one of the world’s giant manufacturers of terrestrial vehicles, but the Toyota aims to expand its horizons. Toyota is most popular car brand worldwide, and it hopes to recreate that same automotive magic in space with a six-wheeled lunar rover. The notion of a car company designing a lunar vehicle might seem unusual, General Motors played a large role in developing the first and so far the only vehicle to transport astronauts across the lunar surface. While that was an American company supporting an American mission, Toyota is thinking on a global scale.

Japanese Aerospace Exploration Agency wants to build the ultimate moon rover for astronauts and for that purpose JAXA tapped Toyota to help in development of a futuristic, off-road, lunar vehicle i.e. a manned lunar rover that will run on fuel cell technology and provide transport for people and cargo on the moon that could potentially launch in 2029.

It will be a massive vehicle powered by fuel cells with a maximum range of a whopping 6,213 miles (10,000 kilometers). For comparison, the Tesla Model S

offers 335 miles (540 kilometres) of range, and is currently the industry leader. Toyota and JAXA’s rover would supply more than 18 times the range. Fuel cells use clean power generation methods and emit only water. Eventually, the hope is that this will be made possible by improved versions of the same Toyota fuel-cell technology that currently gives the 2019 Toyota Mirai an estimated 312 mile (503 kilometres) driving range. These cells are powered completely by hydrogen and don’t give off any carbon dioxide emissions. Hydrogen is also readily available in certain areas of the moon, which would make refueling the vehicle much simpler and cleaner than having to transport fossil fuels in to space.

“Fuel cells, which use clean power generation methods, emit only water,” stated Toyota Executive Vice President Shigeki Terashi in a statement. “Because of their high energy density, they can provide a lot of energy, making them especially suited for the project being discussed with JAXA.”



Front view of Toyota’s concept rover for JAXA

Toyota explains that the rover will be about the size of two Toyota HiAces (i.e size of two Force Traveller van) but it will only be able to fit two astronauts on the inside, or four in the event of an emergency. The reason for the close quarters? JAXA plans to heavily armor the outside to fend off the lunar elements, and to pressurize the cabin to ensure a safe exploratory mission.

“The automotive industry has long done business with the concepts of ‘hometown’ and ‘home country’ largely in mind,” said Toyota President, Akio Toyoda, in the joint announcement. “However, from now on, in responding to such matters as environmental issues of global scale, the concept of ‘home planet,’ from which all of us come, will become a very important concept.”

“As an engineer, there is no greater joy than being able to participate in such a lunar project by way of Toyota’s car-making and, furthermore, by way of our technologies related to electrified vehicles, such as fuel cell batteries, and

our technologies related to automated driving,” said Shigeki Terashi, executive vice president for Toyota. “I am filled with great excitement.”

The plan, JAXA officials said, is to team up with Toyota on a huge, pressurized rover that will be typically crewed by couple of astronaut but capable of accommodating up to four people in an emergency. If current concept designs hold true, the rover will be massive at least 20 feet (6 meters) long, have six wheels, and measure 17 feet (5.2 m) wide and 12.4 feet (3.8 m) high. The vehicle will have about 140 square feet (13 square meters) of living space, JAXA officials said.

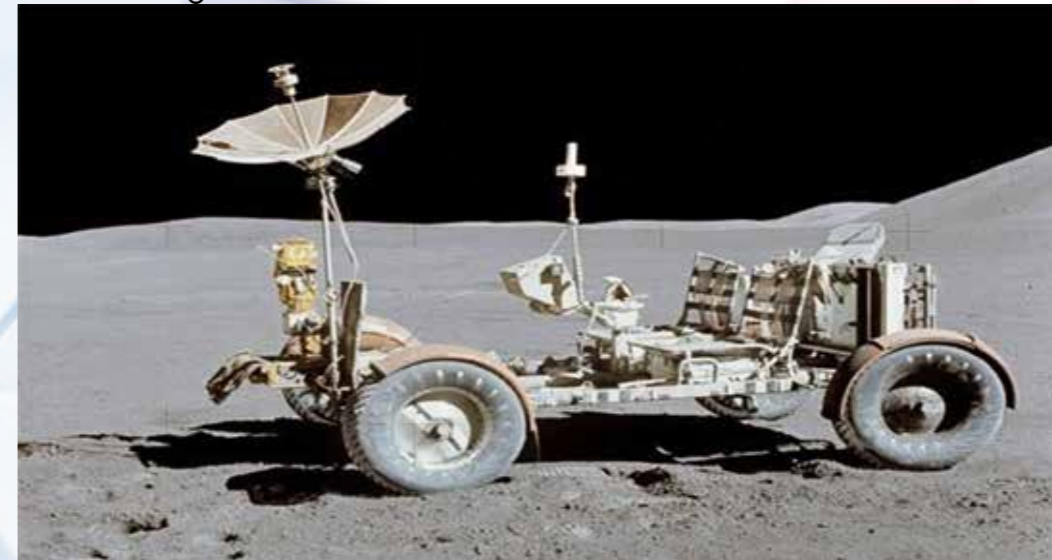


Though Earth-bound vehicles may have conquered many of the challenges of wild terrain, overlanding on the lunar surface raises the danger level several notches. Not only will the rover have to navigate through boulder-strewn fields and climb (or descend) steep slopes, but it will have to do so in an environment often lashed by radiation from the Sun and subject to extreme temperature changes.

“Lunar gravity is one-sixth of that on Earth. Meanwhile, the moon has a complex terrain with craters, cliffs, and hills,” astronaut Koichi Wakata, JAXA’s vice president, said in the statement. “Moreover, it is exposed to radiation and temperature conditions that are much harsher than those on Earth, as well as an ultra-high vacuum environment.”

“Contributing to Earth’s environment cannot be achieved without the widespread use of electrified vehicles,” Terashi said. “As a full line manufacturer of electrified vehicles, and aiming for the widespread use of such vehicles, Toyota is going beyond only making complete vehicles & wants to provide electrification to its customers in various forms, such as through systems and technologies.” Although the company wants to capitalize on rover technologies to support its terrestrial operations, Toyota and its president understand the importance of lunar vehicle design.

The Toyota would be a massive leap in lunar driving technology. For comparison, the last manned vehicle on the moon was NASA’s Lunar Roving Vehicle (LRV), used on the Apollo missions decades ago that transported astronauts on Apollo 15, 16 & 17. For comparison, the LRV was 10.1 feet (3.1 m) long and stood 3.7 feet (1.14 m) tall. It was powered on two 36-volt silver-zinc potassium hydroxide non-rechargeable batteries.



For its part, Toyota said the company is excited to develop JAXA’s moon rover, and stressed that the vehicle’s safety will be vital for astronauts. JAXA’s moon rover projects comes as NASA is developing its own plans to return astronauts to the moon, first with a lunar orbiting “gateway” space station. That would be followed by crewed lunar landings in 2026. NASA chief Jim Bridenstine has repeatedly stressed that the U.S. agency’s return to the moon will occur in cooperation with international partners. JAXA officials did not specifically say that the Toyota moon rover project will be part of its contribution to a future human moon mission effort, the agency did say in a joint statement with partners that it is committed to participating in NASA’s lunar plans.

The challenge of space travel would be for Toyota, as it is for anyone looking towards the final frontier, is durability. Creating fuel cells that could withstand the harsh environs of the moon or Mars would be a formidable challenge. “Being allowed to be a member of ‘Team Japan,’” Terashi says, “we would like to take up the challenge of space.”

Like many other space agencies and companies, JAXA and Toyota see tackling moon travel as a stepping stone toward one day traversing the Martian surface. NASA, SpaceX, China, Israel, and India have all renewed their lunar exploration efforts within the past few months in preparation for future Mars missions. NASA has already begun initial steps toward constructing its Lunar

Orbital Platform Gateway by 2024, which will serve as a checkpoint for astronauts on their way to the moon's surface. 2024 is around the same timeframe that JAXA has for getting Toyota's space rover onto the moon. If these timeframes continue to seem practical, then the moon's surface could begin to be dotted with illuminated human settlements within the few decades.

Concluding his thoughts on the project, Toyoda said, "cars are used in all of Earth's regions, and, in some regions, cars play active roles as partners for making sure that people come back alive. And I think that coming back alive is exactly what is needed in this project."

Rutuparna Suhas Domkondekar
TE Automobile



LITERATURE

OUR BRAVE HEROES

A soldier is the pride of our nation,
Who defends his motherland from ugly terrorization.

He serves as a beacon light to the tame & cowardly,
And inspires the minds of the nation undoubtedly.

He sacrifices his family for serving the land,
Always persistent with not a single complaint or a demand.

He is the finest specimen of humanity in the nature,
Guarding the state by surviving in the danger.

Our soldier is to be celebrated daily,
And not only when he dies for his country bravely

Shrutika Karande
TE Computer

SOME

Some will get 'burnt' by it.
Some will get 'brightened' by it.
Some will 'shade tears' for it.
Some will have to 'struggle for it'.
Some will have to 'let it go'.
Some will 'wish to wait' for it
Some will 'want to win' for it.
At last that 'Some' is somewhere URGED in you
And you have somehow SUBMERGED in it!!!!

Rohini Kulkarni
SE Mechanical

I roam lonely as a cloud,
That floats rumbling high over hills & crowd.

You are a tale of galaxy far away,
With which, I always wish to stay.

Oh! you always make it look like it's magic,
The way you look at me is somewhat tragic.

When I see the warmth of your blush,
Thou always make my head rush.

Those eyes, sweet lies,
I've been drowning out for you,
You have an essence
that makes thou utopian one in few.

Your fragrance waft into
the space between my breath,
Everytime when I see you,
you look me like a floral wreath.

I always have many roads to travel,
but I take the one which leads to you,
Now, I think that we are just lost souls,
diving deep into aquatic blue.

Rutuparna S. Domkondekar
TE Automobile

अकोला, अमरावती, यवतमाळ, बुलडाणा, वाशीम या जिल्ह्यांतील खेड्यापाड्यात वऱ्हाडी बोलीभाषा दैनंदिन व्यवहारात वापरली जाते. बोलीभाषा या मूळ मराठी भाषेच्या खरंतर पोटभाषा असतात. बोलीतूनच पुढे जीवनरस टिपत मराठी भाषा समृद्ध झाली. आधुनिक काळात म्हणजेच १९६० नंतर बोलीचं भान मराठीतल्या साहित्यनिर्मात्यांना आलं. विविध प्रवाही साहित्यानं बोलीभाषेला साहित्यभाषेचा दर्जा दिला. बोलीचा आग्रह धरला. परिणामतः ग्रामीण आणि प्रादेशिक जाणिवांची अभिव्यक्ती बोलीभाषेच्या वापरातूनच करण्याची बोलीभाषा परंपराही साहित्यविश्वात रूढ झाली. खेडूतांची-अडाण्यांची भाषा म्हणून हिणवणं कमी झालं. खरंतर संतमहानुभाव परंपरेतलं काव्य हे बोलीतूनच साकारलं. बोली लोकजीवनाचा सांस्कृतिक आणि आध्यात्मिक पाया असते. प्रमाण मराठी आणि बोलीच्या वापराविषयी साहित्यिकात खडाजंगी वादाची पंचवीस वर्षे साहित्याच्या आकाशात उठलेलं वादळ शमल्यावर बोलीभाषेला दलित व दलितेतर बहुजन समाजातल्या लेखक कवींनी प्रतिष्ठा मिळवून दिली.

वऱ्हाडी ही वऱ्हाड आणि आसपासच्या विदर्भ प्रांतातली भाषा म्हणून वापरली जाते. नागपुरी, झाडीबोली, डोंगरी भागातली बोली, भंडारा-चंद्रपूरकडची बोली अशा विविध शाखोपशाखांनी वऱ्हाडी बोली विदर्भाची मध्यवर्ती बोलीभाषा म्हणून स्वातंत्र्योत्तर काळात आणि विशेषतः १९६० नंतर विकसित झालीमूळ मराठी भाषेचे व्याकरण जरी एकच असले तरी स्थानमाहात्म्यानुसार मराठी बोलीचे 'कोंकणी मराठी' - कोल्हापुरी मराठी, कारवारी मराठी, अहिराणी, मराठवाडी, नागपुरी, असे अनेकविध प्रकार कानांवर पडत असतात. ह्या प्रत्येक प्रकारात त्या त्या ठिकाणच्या स्थानिक लोकजीवनातले अनेक शब्द आलेले दिसतात, जे लहान शब्दकोषात सापडतीलच असे नाही. भौगोलिक परिसरा नुसार कोल्हापुरी, चंदगडी, नागपुरी, मराठवाडी, कोंकणी, वऱ्हाडी, बेळगावी, मालवणी, मोरस मराठी, झाडीबोली, तंजावर, बगलांनी, नंदुरबारी, खाल्यांगी, वलर्यांगी, तप्तांगी, डोंगरांगी, जामनेरी, खानदेशी असे बोलींचे आणखी उपप्रकार होतात.

महाराष्ट्रात गोंड, भिल्ल, वारली, पावरी, मावची, कोरकू, कोलामी, कातकरी, माडिया आदी बोलीभाषा प्रमुख आहेत. या बोलीभाषा महत्वाच्या असल्या, तरी यापैकी गोंडी व भिल्ली या बोलीभाषा अतिप्राचीन आहेत. गोंडी बोलीभाषा महाराष्ट्रात प्राधान्याने आणि मध्य भारतातील मोठ्या विस्तृत पट्ट्यात बोलली जाते. चंद्रपूर, गडचिरोली, नांदेड, अमरावती, नागपूर या जिल्ह्यात व आंध्र प्रदेशाच्या सीमेलगतही गोंडी बोली बोलली जाते. महाराष्ट्रातील आदिवासी बोलींमध्ये गोंडी बोली सर्वाधिक बोलली जाते. गोंडी बोलीला लिपी असल्याचे पुरावेही अलीकडचे काही संशोधक देत आहेत. गोंडी बोलीभाषेचा बारकाईने अभ्यास करणारा जर्मन भाषातज्ञ जूल ब्लॉच याने गोंडी बोलीची आंतरराष्ट्रीयता शोधून काढण्याचा प्रयत्न केला होता. द्राविडी भाषासमूहातील कोणत्याही भाषेची अभिन्न वैशिष्ट्ये धारण करणारी गोंडी ही एकमेव प्राचीन बोलीभाषा आहे असे मत कॉल्डवेलने गोंडी भाषेच्या सात वैय्याकरणीय कसोट्या लावून मांडले होते.

भिल्ली बोलीभाषा गुजरात, मध्य प्रदेश, महाराष्ट्र आणि राजस्थान या राज्यांमध्ये बोलली जाते. या बोलीवर त्या त्या राज्यांच्या प्रमाण भाषेचा प्रभाव असल्याने महाराष्ट्रात ती मराठीची बोलीभाषा म्हणून गणली जाते.- दक्षिण रत्नागिरी आणि सिंधुदुर्ग जिल्ह्यात बोलली जाणारी ही बोली आहे - भंडारा, गोंदिया, चंद्रपूर आणि गडचिरोली हा चार जिल्ह्यांचा

भूप्रदेश 'झाडीपट्टी' म्हणून ओळखला जातो.जळगाव जिल्हा सावळदबारा, बुलढाणा जिल्हा, मलकापूर ते मध्य प्रदेशातील बऱ्हाणपूर, शहापूर, अंतुर्लीपर्यंतच्या विस्तृत भूप्रदेशात ही बोलीभाषा प्रचलित आहे.आगरी बोली ही महाराष्ट्राच्या राज्याच्या उत्तर आणि मध्य कोकणात बोलली जाते. आगरामधले आगरी, गवळी व कुणबी तसेच किनारपट्टीवरील कोळी, खारवी, भंडारी व भोई ही बोली बोलतात.- बेळगाव या सीमाभागातील ही बोलीभाषा ही कन्नड, चंदगडी, कोल्हापुरी, कोकणी अशा अनेक बोलींच्या मिश्रणातून तयार झालेली आहे.

ऐश्वर्या मिसाळ
द्वितीय वर्ष संगणक

मराठी साहित्य

मध्ययुगापासून मराठीत विपुल ग्रंथरचना झालेली असली, तरी मराठीचा भाषिक दृष्टीने अभ्यास करण्याची परंपरा नसल्याने भाषेचे नियमन आणि व्यनस्थापन करणाऱ्या व्याकरणग्रंथांची मात्र रचना झाली नाही. भीष्माचार्य या महानुभाव पंथातील कवींच्या नावावर मोडणारी 'पंचवार्तिक', 'नामविभक्ति', यांसारखी स्फुट प्रकरणे किंवा रामदासी संप्रदायातील गिरिधराने रचलेले छोटेसे 'व्याकरण' यांखेरीज मराठीचे व्याकरणलेखन झाले नाही.

फादर स्टीफन्सने पोर्तुगीजमध्ये मात्र एक व्याकरण लिहिले होते (१६४०). एकोणिसाव्या शतकात, विशेषतः मुद्रित ग्रंथांचा हळूहळू प्रसार होण्यास प्रारंभ झाल्यानंतर, ज्यांनी व्याकरणे लिहिली अशांत विल्यम करे (१८०५), महमद इब्राहीम मखबा (१८२५), रे. स्टिव्हन्सन (१९३३), जेम्स आर. बॅलेंटाइन (१८३९) व रे. बर्जेस (१८५४) इत्यादींचा समावेश होतो.मुंबईच्या हेंद शाळा पुस्तक मंडळीच्या सूचनेवरून जगन्नाथशास्त्री क्रमवंत, गंगाधरशास्त्री फडके आणि बाळशास्त्री घगवे ह्यांनी एक हस्तलिखित व्याकरण तयार केले होते. (१८२४).

पुढे गंगाधरशास्त्री फडके यांचे महाराष्ट्र भाषेचे व्याकरण प्रसिद्ध झाले (१८३६). मराठीतील हे पहिले मुद्रित व्याकरण. याच वर्षात बाळशास्त्री जांभेकर यांचे बाल व्याकरण तयार झाले. दादोबा पाडुरंग तर्खडकर यांचे मराठी भाषेचे व्याकरणही ह्याच वर्षी प्रसिद्ध झाले. संस्कृत व इंग्रजीच्या व्याकरणांचा अभ्यास करून हे लिहिले होते व त्यात मराठी भाषेच्या रूपविचाराची स्वतंत्र प्रजेने व्यवस्था लाविली होती. १८५० मधील दुसऱ्या आवृत्तीमध्ये दादोबांनी या व्याकरणात बरेच फेरफार केले. १८८१ मध्ये त्यांनी याच व्याकरणाची एक 'पुराणिक' प्रकाशित केली. व्याकरणविषयक अनेक प्रश्नांची सविस्तर चर्चा करणारे आणि पुढील अनेक पिढ्यांना मार्गदर्शक ठरलेले व्याकरण म्हणून दादोबांच्या व्याकरणाचे विशेष महत्त्व आहे. आपल्या याच व्याकरणाची एक छोटी आवृत्ती लघु व्याकरण या नावाने दादोबांनी १८६५ मध्ये तयार केली होती.

दादोबांच्या व्याकरणाने मराठीत व्याकरण-लेखनाची अखंड परंपरा निर्माण झाली. गंगाधर रामचंद्र टिळक (मराठी लघु व्याकरण, १८५८), कृष्णशास्त्री गोडबोले (मराठी भाषेचे नवीन व्याकरण, १८६७), रा. भि. गुंजीकर (लहान मुलांकरिता सुबोध व्याकरण, १८८६), रा. भि. जोशी (प्रौढबोध मराठी व्याकरण, १८८९), गो. ग. आगरकर (वाक्यमीमांसा) अशी अनेक छोटी - मोठी पुस्तके तयार झाली. कृष्णशास्त्री चिपळूणकरांनी व्याकरणविषयक अनेक मूलभूत प्रश्नांचा उहापोह करणारे लेख .. शालापत्रक मासिकात लिहिले, ते १८९३ मध्ये पुस्तकरूपाने प्रकाशित झाले.

विसाव्या शतकाला प्रारंभ झाल्यानंतर १९११ मध्ये मोरो केशव दामले यांनी लिहिलेला शास्त्रीय मराठी व्याकरण हा मराठी व्याकरणात मेरूमण्याप्रमाणे शोभणारा ग्रंथराज प्रकाशित झाला. पूर्वसूरीच्या प्रतिपादनाचा चिकित्सक परामर्श घेऊन मराठी व्याकरणातील विविध मतमतारांची सांगोपांग चर्चा करणारा प्रौढ ग्रंथ म्हणून दामल्यांच्या व्याकरणाचे स्थान अनन्यसाधारण आहे.

म. पां. सबनीस कृत मराठी उच्चतर व्याकरण (१९५१) या ग्रंथात दामल्यांच्या अनेक मतांचे आग्रहपूर्वक खंडन करण्याचा प्रयत्न आहे. अरविंद मंगरूळकरांनी मराठी व्याकरणाचा पुनर्विचार, (१९६४) या आपल्या पुस्तकात मराठीचे व्याकरण केवळ

मराठीच्याच स्वभावानुरूप सिद्ध केले पाहिजे, या विचाराचा अभ्यासपूर्वक पाठपुरावा केलेला आहे. एकोणिसाव्या शतकाच्या अखेरीस नवीन भाषाशास्त्राचा उदय होऊन त्यातील विचारप्रणालीच्या आधाराने मराठी भाषा व तिच्या पोटभाषा यांचे अध्ययन होऊ लागले.

ऐश्वर्या मिसाळ
द्वितीय वर्ष संगणक

या जगात आपल कोणी नसतं, तर कोणासाठी जगायचं असतं

मायच्या हाताने, बापाच्या खांधाने.
खूप कष्ट केल, पोरान लाथ मारून गेल.
तर कोणासाठी जगायचं, तर कोणासाठी जगायचं.

सूईने शिवायच आसत,
टाचण्याणी जोडायच आसत.
माणसातच ऐकी नाही.
तर कोणासाठी जगायचं, तर कोणासाठी जगायचं आसत.

प्रेमाच्या दोन शब्दांनी माणस जोडता येतात,
त्याच दोन वाईट शब्दांनी माणस तोडताही येतात.
प्रेमाची भाषा सोडून वाईटाची भाषा सुरू आहे,
म्हणुन माणूस माणसापासूनच दूर जात आहे.
तर कोणासाठी जगायचं, तर कोणासाठी जगायचं.

विश्वजीत राजमल्ले
प्रथम वर्ष स्वयंचल विभाग

पावसा तुझं कोणी मारलं रं घोडं
तु येत का नाहीस सगळ्यांच्या पुढं ?
आता तरी वेळेवर पड की थोडं ,
दावणीला रोज पडतंय जनावरांचा मड

पावसा तुझी बदललीया का नीतिमत्ता,
वर्ष सरलं तरी नाही तुझा थांगपत्ता
सगळ्यांचीच लागलीला तुझ्याकड आस
उभ्या पिकांचा सुद्धा झालाय ज्हास.

पावसा सांग ना कधी कोसळतील धारा ?

तुझ्या विचाराने कमी झाल्या शेतकऱ्यांच्या सातबारा
कधी दरवळला मातीचा वास
नाही पडल्याने गुंडाळला गळ्याला फास

कधी भागवशील धरणी मातीची तहान
उभ्या डोळ्यासमोर तीची लेकरं सोडतीया प्राण
तरी कमी झाला नाही तुझ्यावरचा विश्वास
आता पडण्याचा घे की थोडा त्रास.

आता तरी पड ना , बघतो आहे आतुरतेने तुझी वाट.....

गिरी सुनिता
TE ENTC

बापाला जेवून केलस का? व दमून आल्यावर पाणी देऊन त्याला आभाळ ठेंगणे
झाल्यासारखे वाटावे, असा क्षण प्राप्त करून देणारया त्या मुलीबद्दल बोलावे, तेवढे
कमीच आहे.

त्याच्या मुखावरच नैराश्य दूर करून त्याला हसवून सुखाचा व आनंदाचा क्षण प्राप्त
करून त्याला हवेहवेसे वाटायला लावणारी त्याची ती लेक असते. लहानपणी मुलीला नवीन
ड्रेस घ्यायला पैसे नसताना ती मुलगी आहे त्या स्थितीत सुखी राहून बापाला धीर देते.
जेव्हा बापाच्या काळजाला मुलाच्या अपशब्दाने ठेच पोहचते, तेव्हा
सांतवन व समंजस ही त्याची मुलगीच करते.

जेव्हा त्या पोरीचा बाप आजारी पडतो, तेव्हा ते पाखरु स्वतःचा अभ्यास व सुखाचे
क्षण बाजूला ठेवून बापाची सेवा करते. बाप कामावरून घरी आल्यावर मुलगा व आई काय
आणले, असे विचारतात. परंतु, ते पाखरु घरात जाऊन त्या बापाला पाणी आणून देते.
हे मात्र लक्षात घ्या, घरात वावरताना बाप जरी पोराचे लाड करत असला, तरी त्याच्या
काळजात प्रेमाची ज्योत ही मुलीसाठीच जळत असते, कारण ते पाखरु आपल्यापासून
दूर जाणार असतं.

मुलीचे लग्न जवळ आलेले असते, बाप रात्रंदिवस कष्ट करून पैका जमा करत
असतो. ते पाखरु सुद्धा बापाला थोडा आधार मिळावा, म्हणून स्वतःचा अभ्यास करून
काम करणारी ही त्याची लेकच असते.

जेव्हा तीच पोरं जेव्हा एखाद्या परीक्षेत उत्तम गुणांनी उत्तीर्ण होते, तेव्हा त्या
पोरीच्या यशामुळे तो बाप सालातून एकदा नवीन कपडे घालतो. जेव्हा त्याच पोरीच लग्न
जवळ येऊन ठेपतं, तेव्हा त्या बापाला मनातून त्याच्या काळजाचा तुकडा निघून जातोय,
या भीतीने तो रडत असतो.

सध्याच्या काळात मुलीचं रणरागिणीचं रूप पाहायला भेटतंय. प्रत्येक क्षेत्रात
मुलींचाच बोलबाला दिसतोय. जेव्हा हे पाखरु मोठे यश संपादन करतं, तेव्हा त्या बापाला
त्याचं जीवन सार्थक झाल्याचे फलित मिळते.

त्या पाखराच्या लग्न वेळी नवीन कपडे घालायला ज्याला वेळ नसतो, तो त्या
पोरीचा बाप असतो. पोरीच्या सुखासाठी तो स्वतः काय करतो, हे मात्र त्याच्या पोरीलाच
ठाऊक असतं, कारण तिनेच त्याच्या काळजाचा तुकडा पळवून नेऊन त्याला सुखाचा क्षण
प्राप्त करून दिलेला असतो.

जेव्हा ती सासरी जायला निघते, तेव्हा आपल्या घरातलं पाखरु उडून चाललं, असं
मनात येऊन तो मंडपाच्या कोपर्यात रडत बसलेला असतो. त्या पाखराकडून बापाची एक
मनोकामना पूर्ण होते व त्याच्या काळजाला एक आनंदाचा क्षण प्राप्त करून ते पाखरु
सासरी निघून जातं.

अभिषेक वाघमारे
द्वितीय वर्ष संगणक

माय-बाप

माय-बाप लेकरा सांभाळ रे देवा,
तुझिया पायी आलो अन् पावन झालो,
येड्या बाभळीचा काटा रुतला रे पायी,
आठवण आली देवा माझ्या माय-बापा!

माय-बाप लेकरा सांभाळ रे देवा,
तुझिया पायी आलो अन् पावन झालो!

भोळा-बाभळा रे माझा देव हा ची बाप,
घेतो भक्तीचा रे हात, देतो मदतीला साथ,
म्हणून म्हणतो रे देवा, राहू दे सुखाचा हात,

माय-बाप लेकरा सांभाळ रे देवा, तुझिया पायी आलो अन् पावन झालो!

कष्टाची भाकर खातो माझा बाप,
नाही माहीत रे त्याला सुख की आनंद रे,
पाहूनि त्यास येते माझ्या डोळा पाणी,

माय-बाप लेकरा सांभाळ रे देवा, तुझिया पायी आलो अन् पावन झालो!

अभिषेक वाघमारे
द्वितीय वर्ष संगणक

कट गये युही चार साल

कट गये युही चार साल..
बदल गयी सबकी चाल..
कई मिले कई बिछड गये..
जो थे अच्छे सारे बिघड गये..
कयीयोको मिली लडकिया..
जिनसे बनती है कडकिया..
कयीयोको तुटे रिश्ते ..
उनको मिले सच्चे फरिश्ते...
कयीयोको दारुकी लगी आदत...
कयीयोने किताबोको अपनी इबादत...
कयीयोने सिखी दुनियादारी...
तो कयीयोने दोस्तोकी इज्जत उतारी..
नहीं भूल पायेंगे दोस्तोको..
एकही किताबवाले बस्तोको..
अगलीबार आपकी शादीयोमे मिलेंगे..
क्योंकी ये दोस्ती हम नहीं तोड़ेंगे..

अनिकेत अढोले
चौथा वर्ष स्तापथ्य



STUDENT CLUBS

ENTREPRENEURSHIP CELL

1. The institute has signed MOU with E-Cell of IIT Bombay on 30/06/2017 for promoting and conducting Entrepreneurship Development activities in association with IIT Bombay.

2. The institute has established Entrepreneurship Development and Startup Cell (EDSUC) on 15/09/2018. The cell organizes different Entrepreneurship Development and Startup activities for students.

3. E-Cell of GCOEARA had organized three days "Entrepreneurship Awareness Camp" on 04/10/2018 to 06/10/2018 mainly sponsored by Entrepreneurship Development Institute of India, Ahmadabad, Gujarat. The EDII contributed Rs.20000/- to this camp under DST-NIMAT Project 2018-19. This camp was mainly organized for Third Year and Final Year Students of All branches. The total no of student participants to this camp were 141 out of that 45 were girl students. The following table shows the list of topics covered in the EAC.

Day and Date	Session	Subject/Topic	Faculty
1	2	3	4
Thursday, 04/10/2018 1st Day	I	Entrepreneurship as a career choice and motivation	Mr. Vivek Kakade
	II	Qualities of an Entrepreneur	Mr. Vivek Kakade
	III	Opportunity Identification-Generating Ideas	Mr. Vajinath Kulkarni
	IV	Market Survey and Competitor Analysis	Mr. Vajinath Kulkarni
Friday, 05/10/2018 2nd Day	I	Preparing the Legal and Ethical Foundation for a Startup- Types of Startups and licensing systems, GST, MSME etc.	Mr. Suresh Umap
	II	Evaluating the Financial Strength of a New Venture/ Project	Mr. Suresh Umap
	III	Factory Visit- Suyog Milk and Agro Products Pvt. Ltd, Nirgudsar, Pune	Nil

Day and Date	Session	Subject/Topic	Faculty
Saturday, 06/10/2018 3rd Day	I	Getting Financing or Funding and Role of Supporting agencies for Enterprise	Mr. Nagendra Manchal
	II	Details of Project Report	Mr. Sagar Inamdar
	III	Communication Skill, Interaction with people for better results	Mr. Yuvraj Lambole
	IV	Marketing Strategies for New Ventures	Mr. Yuvraj Lambole

4. The E-cell also organized one day workshop on "Women Empowerment through Entrepreneurship Development and Social Awareness" on 11/09/2018 for Girl Students of the college and other colleges. This workshop was sponsored by Maharashtra State Commission for Women. The total sponsorship amount to this event was Rs.56200.

5. The E-Cell has submitted two proposals to EDII, Ahmedabad for DST-NIMAT 2019-20 Project to conduct following programs. The institute awaits the approval of EDII for conducting these programs.

1. Entrepreneurship Awareness Camp Part 1 and Part 2 and
2. Faculty Development Program Part 1 and Part 2



गणेशोत्सव अहवाल

महाराष्ट्रातील सर्वात महत्वाच्या सणांपैकी एक असणारा "गणेशोत्सव" हा शासकीय अभियांत्रिकी व संशोधन महाविद्यालयात मोठ्या जल्लोशात साजरा करण्यात आला. 13 ते 20 सप्टेंबर 2018 या कालावधीत गणेशोत्सवाचे आयोजन करण्यात आले. 13 सप्टेंबर रोजी सकाळी 9:30 ला गणेशाची प्रतिष्ठापना करण्यात आली. सकाळी 9:45 ला महाविद्यालयाचे प्राचार्य डॉ. अविनाश पंत यांच्या हस्ते गणेश पूजन व आरती करण्यात आली. या कालावधीत विविध कार्यक्रमांचे आयोजन करण्यात आले, त्यात महाविद्यालयात कार्यरत असणाऱ्या टेक्निकल टीम (Robocon, BAJA, Hackathon, Tractor design, E-yanta, Go-cart) यांचे प्रदर्शन भरवण्यात आले व महाविद्यालयातील विद्यार्थ्यांना मार्गदर्शन करण्यात आले. सामाजिक कार्यक्रम यांचे आयोजन राष्ट्रीय स्वयंसेवक संघ व ग्रीन क्लब यांच्याद्वारे करण्यात आले. विद्यार्थ्यांचा उत्साह वाढवण्यासाठी विविध स्पर्धा घेण्यात आल्या त्यामध्ये रांगोळी, पोस्टर्स मेकिंग, क्लिकइट आणि quiz competition यांचा समावेश होता. विद्यार्थ्यांनद्वारे कार्यक्रमाचे यशस्वीरित्या आयोजन करण्यात आले. गणेशाचे 20 सप्टेंबर रोजी मोठ्या उत्साहात व आनंदाने विद्यार्थ्यांनद्वारे विसर्जन करण्यात आले. कार्यक्रमाचे नेतृत्व भारत कारंडे व सुजाता देशमुख यांनी केले. तसेच शिवदास कदम, तेजस काकड, किरण क्षीरसागर यांचे त्यांना मोलाचे सहभाग लाभले.

TEAM PHALANX

WE BELIEVE IN ACCELERATION, NOT IN BRAKES....

- Team Phalanx is a subsidiary of the Motorsports Club of GCOERA & SAE colligate Club of GCOER, Avasari.
- The club comprises 113 students from various branches.
- Club has been managing participation and performance of our institution in various automotive design competitions like national level Go-Karting competition since it was established.
- Team has been consistently participating in national level championship since 2014.
- It has given an immense knowledge in technical field due to exposure to national level competitions.

OUR PARTICIPATIONS:

- 2014: Participated in EK14 by Elite techno group.
- 2015: Participated in Indian Karting League by Vayuputra Motorsports.
- 2016: Participated in EK15 by Elite Techno Group.
Participated in Auto India Racing Championship by DPES.
- 2017: Secured 8th rank Indian Karting Championship 2017 virtual by Nexus.
Secured AIR 19th in NKRC 2017 virtual.
- 2018: Participated in Auto India Racing Championship 2018
Secured 3rd rank in Zeal Drag Endurance 2018
- 2019: Secured 17th in Indian Karting Championship 2019 virtuals
and 14th rank in overall event.
Participated in AIRC 2019
Secured 2nd rank in Zeal drag endurance race and 3rd rank in overall Zeal Drag event

Our Achievements:

- Ranked AIR 24 in Indian Karting League by Vayuputra Motorsports at Bengaluru.
- Ranked AIR 16 of 168 National Teams in EK15 by Elite techno group, at RPM Racing, Bhopal.
- Ranked AIR 11 in Auto India Racing Championship 2017.
- Won the BEST INNOVATION AWARD in Auto India racing championship (2017) competing against team at national level.
- Ranked AIR 7 of 162 in National Kart Racing Championship at endurance (2017).
- Ranked AIR 8 of 130 in Indian Karting Championship at Virtual 2017.
- Won Skid Pad Award in Auto India Racing Championship 2018, at Pune
- Ranked 3rd in Zeal Drag race event 2018

- Ranked 14th in Indian Karting Championship 2019 and 17th in IKC virtuals 2019
- Ranked 3rd in Autocross test in Auto India Racing championship
- Ranked 2nd in Zeal Drag race event 2019 and 3rd position in overall Zeal Drag event.

NATIONAL SERVICE SCHEME

A) Regular Activities:

1. Induction Programme was organized for newly admitted volunteers of NSS dated on 29/09/2018. Prof. S. T. Pokale, Regional Coordinator, NSS, SPPU, Pune Gramin was chief guest of this Programme. The focus of this Programme was to make newly admitted NSS volunteers aware about NSS, its way of work, social work scenario & responsibilities, discipline, opportunities in future and so on.
2. During 1st June to 15th June, 2018 survey of cleanliness, water supply in all Departments of the college was conducted. The detailed report with recommendations was sent to higher authorities, which played a very vital role in cleanliness and plumbing maintenance.
3. Yoga orientation programme was organized in collaboration with Gymkhana on 21st June, 2018 for the students of the institute. Almost 200 participants practiced yoga including faculty, staff and 45 volunteers.
4. Tree plantation programme was organized in the month of July 2018, in collaboration with Green Club of the institute where about 100 plants were planted.
5. A women health session was organized in the Girls hostel of the college dated on 19th July, 2018. Almost 300 girls were present for this session. The focus of this session was on cleanliness & hygiene, diet, protein check up, games & yoga. This session was followed by question & answer at the end.
6. During 1st August to 5th August, 2018 an induction programme for first year students was organized by the college. NSS volunteers worked as students coordinators for this programme.
7. A cleanliness drive was organized on 14th August, 2018 between 7am to 10am in the college campus. During this activity volunteers cleaned entire college campus by removing bushes, weed, plastic and grass.
8. 'Swachhata hi Seva' activity was organized on the occasion of NSS Day i.e. 24th September, 2018 in the village Awasari (Kh). Volunteers cleaned roads, back alleys & temple premises in the village. Also spread awareness about sanitation, hygiene and proper hand washing techniques through Swachhata Rally.
9. Celebrated Mahatma Gandhiji's 150th Birth Anniversary week during 24th Sept to 2nd Octo, 2018 by conducting elocution, essay & poster making competition in the college. Paper Bags making training was given to school going students in Awasari (Kh) and conducted a paper bag making competition. Prompted about not to use plastic bags.
10. During 13th Octo to 28th October, 2018 a 'Karyalayin Swachhata Pandharwada' was observed in the college as per the directions of DTE, Mumbai. College campus, premises, every Department, classrooms, practical labs was cleaned during this period. Files in office as well as in Departments were also sorted.

Teaching, non-teaching, office staff, students etc. participated in this celebration of 'Karyalayin Swachhata Pandharwada'.

11. Celebrated National Unity Day on the occasion of Sardar Vallabhbhai Patel Jayanti on 31st October, 2018 by organizing Run for Unity, National Unity Day pledge, Essay writing, Poster making competition. Teaching, non-teaching staff and students participated actively in each and every activity organized on National Unity Day.

12. On 31st December, 2018 volunteers helped Manchar police in managing the traffic on Pune-Nashik Highway from 8.00 Am to 10.00 PM. Earlier, on the occasion of Ganesh Utsav Festival as well volunteers helped Manchar Police in traffic management.

13. On 13th and 26th Jan, 2019 did Unnat Bharat Abhiyan household survey of Awasari (kh) village. Almost every part of the village was reached and generated awareness about Govt. schemes in the villagers.

14. On 26th Jan, 2019 a Gandhi Vichar Rally and Gandhi Vichar Street Play were organized in the village Awasari (kh) as a part of celebration of Mahatma Gandhiji's 150th Birth Anniversary year. Helped in spreading Gandhiji's thoughts further in the villagers.

15. As a part of child care activity, NSS volunteers visited Orphanage namely Palastika Balakashram, near Manchar dated on 16thFeb, 2019. Volunteers spend time with these children by Cleaning of campus, guiding on career opportunities, playing fun games and distributing fruits, chocolates and love.

16. On 2nd March, 2019 at 9.00am to 01.00pm Food Waste Management Drive was organized for Shopkeepers and Canteen/Mess owners nearby Government Engineering and Polytechnic College, Awasari (Kh). A hand on training was also given to manage food waste.

17. A Blood Donation Camp was organized on 6th March, 2019 in association with Sasoon General Hospital, Pune. 81 donors donated their blood in this camp.

18. NSS volunteers assisted Alumni Association of college for successful organization of 2nd Alumni Meet in the college dated on 16th March, 2019.

19. Personality Development Programme (PDP-2K19)

On 18th and 19th January, 2019 a Personality Development Programme (PDP-2k19) was organized for the High school students and teachers of the Ambegaon Taluka, where one teacher and three student participants from each school enrolled for the programme. About 50 schools with 150 students and 50 teachers were present for the program. During these two days the experts talk on the subjects like Youth Leadership, Career Guidance, Introduction to Robotics, Important of Sports, Soft Skills, Time Management, Teaching: A Perspective, E-Learning, Digitization, Plant Tree-Plant Life were organized. A special session of Cashless training and e-governance was organized for teachers. This programme, every year, is a feast for nearby high schools.

B) Special Camp:

The special camp of NSS is one of the most important activities conducted under National Service Scheme. Every volunteer is very much keen and interested to participate in the special camp. The camp teaches everything practically and this awesome experience lives forever in the memory of every volunteer. This year our NSS Special Camp was organized at village Lauki in Ambegaon taluka of Pune district during 28/01/2019 to 03/02/2019. The place is about 10 km away from the institute. The major attraction of this village is its natural beauty and surrounding. Although there were just 25 volunteers for the camp, we decided to do constructive sustainable work for the village which will benefit the villagers forever. With this passion, we decided to work under 'Jalyukt Shivar Scheme' of Government of Maharashtra and took a task to construct check dam at the spot in Lauki village where farmers were facing scarcity of water for their agriculture. Along with this major task other tasks like trenches to protect compound wall of the ZP school, cleanliness of village, digitization session, cashless transaction session, women empowerment session, Govt. schemes awareness session, tree plantation, parade and pranayam sessions for school going students, street plays for social awareness were undertaken during the Special Camp of NSS.



WATER MANAGEMENT BY CONSTRUCTING BUNDS ON MOUNTAIN

Irrigation water is vital in highland and high altitudes to complement the seasonal climates which bring heavy rains during certain periods of the year, supplying crop deficits during dry spells within the rainy season, while at the same time offering a protection against frost and increasing the flexibility of farmers to schedule rainfed crops either earlier or later in the season

The Green mountain club had organized a “Water management by constructing bunds on mountain” activity on 2nd February 2019. Students started to made bunds from 8.30 AM in the morning and it went on till 10.30 AM. Sixty-six students of Government Polytechnic awasari and Government college of engineering and research awasari was made many bunds on mountain. The bunds are made from collecting the stones on mountain. The Students initially arranged the stones in such a manner that water will stop on mountain. The work of putting soil in the bunds will be done as eairly as possible.



TREE PLANTATION AND CONSERVATION UNDER 13 CRORE TREE PLANTATION SCHEME BY GOVERNMENT OF MAHARASHTRA

The Government of Maharashtra had planned to plant 13 crore tree plantation plan for tree plantation and cultivation during the period from 01 July 2018 to 31 July 2018. In this regard, a plantation program was organized on 7th July 2018, of the Government Engineering and Research College, Avasari (Khurd).

The campus of the college is a beautiful fantasy, and this plant will be a paradise of college due to the cultivation of this tree. For this program, the officials and employees of the organization and students responded with a great effect by planting them. A total of 75 trees were planted in this function.

The program was organized by the Green Club of the college. The students of the National Service Scheme of the college also participated in the program. The work of Mr. D. S. Langere, Mr. S. D. Patil Chaudhary, Automated Division, Shri O. A. Raut, Director (Technical Expert Support) was organized by Automated Section. And finally the vote of thanks was delivered by the college student Sujit Kanhed.



RACING SPORTS

सोसायटी ऑफ ऑटोमोटिव्ह इंजीनीअर्स इंडिया (एस.ए.ई.) दक्षिण विभागामार्फत आयोजित केलेल्या ट्रॅक्टर डिझाईन स्पर्धेमध्ये शासकीय अभियांत्रिकी व संशोधन महाविद्यालय, अवसरी (खुर्द) येथील टीम कर्षयण च्या विद्यार्थ्यांनी संपूर्ण भारतात तिसरा क्रमांक पटकाविला आहे व रु ६०००० (साठ हजार रुपये) रोख बक्षिस व पारितोषिक मिळवले आहे. ही स्पर्धा श्री रामास्वामी मेमोरियल विद्यापीठ (SRM University), चेन्नई येथे दि. २१ ते २३ जून २०१८ या कालावधीत आयोजित करण्यात आली होती.

सदर स्पर्धेत भारतातील एकूण ३० महाविद्यालयांच्या संघानी सहभाग घेतला होता. त्यांपैकी १८ संघांची अंतिम स्पर्धेसाठी निवड झाली होती. या स्पर्धेत ड्यूरयाबिलिटी टेस्ट, ब्रेक टेस्ट, म्यान्यूर्याबिलिटी टेस्ट इत्यादी स्पर्धा घेण्यात आल्या. या सर्व स्पर्धांमध्ये टीम कर्षयण ने अक्विल कामगिरी दाखविली. टीम कर्षयण ने तयार केलेल्या ट्रॅक्टरचे वजन ७१० किलो आहे व त्याची वजन वाहन नेण्याची क्षमता २ टन इतकी आहे. या ट्रॅक्टरची लांबी २४५० मी.मी. व रुंदी १२१० मी.मी. आहे. या ट्रॅक्टरचा कमाल वेग ताशी २५ किमी. आहे. तसेच विद्यार्थ्यांनी सदर ट्रॅक्टरमध्ये लोड सेल, न्यूट्रल स्वीच या सारख्या अतिरिक्त सुविधा उपलब्ध करून दिल्या आहेत. या ट्रॅक्टरला बनवण्याकारिता रु. ३२०००० (तीन लाख वीस हजार) खर्च आला आहे.

सदर टीम कर्षयण मध्ये अमोल दुनबळे (संघ प्रमुख), स्वप्नील पवार, आनंद मसणकर, प्रांजल पाटील, मनीष बारस्कर, गणेश पारस्कर, सागर जाधव, कैलाश चव्हाण, पंकज माढेकर, संकेत गायकवाड, भावेश इंगळे, सुजित इंगळे, अनुप तिवारी, मयूर राउत, मुकूल केदार, रुचिता कुंभारे, सुरभी खपले, किरण थोरात, कैफइकबल शेख, पूजा शिंदे, सचिन तिवारी, स्नेहल बाबर, निवेदिता मेनन, कौस्तुभ संकपाळ, व अनुजा साकोरे इत्यादी स्वयंचल व यंत्र विभागाच्या विद्यार्थ्यांनी मोठ्या मेहनतीने सदरील ट्रॅक्टर तयार केला व स्पर्धेत सहभाग नोंदवला.

सदर संघाला प्रा. रवी काकडे (शिक्षक सल्लागार), स्वयंचल विभागाचे विभागप्रमुख डॉ. दिलीप पानगव्हाणे, यंत्र विभागाचे विभागप्रमुख प्रा. श्रीधर जोशी, यांचे संघाला मार्गदर्शन, प्रोत्साहन लाभले. महाविद्यालयाचे प्राचार्य डॉ. अविनाश पंत यांनी टीम कर्षयण चे अभिनंदन केले आहे तसेच सदरील टीम ने पहिल्याच प्रयत्नात लाक्षणिक यश संपादित केले आहे असे सांगितले.



Team PHALANX of GCOEARA participated in different racing car competitions and achieved spectacular success.

1. They have achieved 2nd place in the 'Zill Drag-3' competition held at Zeal College of Engineering Pune. They have completed 200 meters distance in 6.59 seconds.
2. They have participated in the "Indian Karting Championship Season-3 (IKC3)" held at Mohite Racing Academy Kolhapur. Out of 140 teams participated they have secured all India rank 14th
3. They have achieved 3rd place in "Auto India Racing Championship 3" (AIRC 3) competition held at Pimpri Chinchwad Municipal Development Corporation's traffic park

Team PHALANX taken huge efforts to make successful carts, during one month of their preparation. The team got prizes worth Rs 50000 (fifty thousand) in all three competitions which brought the glory to college. Team PHALANX defeated all renowned teams in India. Team Phalanx captain Vaibhav Patil Vice-captain Niranjan Gadde, Akash Pangare, Shrish Deshmukh, Rider Akbar Babar and 24 students have done well and played an excellent role in all three competitions. The students received valuable guidance from Hon. Dr. A.S. Pant and Prof. Dr. D. R. Pangavhane, Prof. S.V. Joshi, Dr. M.S. Nagmode, Dr. M.J. Pable and staff of the workshop.

Students received valuable guidance from Prof. Dr. D. R. Pangavane, Prof. S. V. Joshi, Dr. M. J. Pabale. Principal Dr. Avinash Pant congratulated the participants for significant achievement in racing car competitions.



I2I COMPETITION BY BHAU INSTITUTE, COEP

The Ignited Innovator of India is state level Techno-social project competition organized by Bhau institute of innovation, entrepreneurship and leadership at College of engineering, Pune. I2I provides platform for engineering students to develop their soft skills (like teamwork, communication and presentation skill etc.) through use of technical knowledge to resolve issues among the society. Eaton Corporation provides funds and mentors for each project to fulfilment of project needs. So, I2I is great platform for overall development of individuals.

Shubham Thaware.
(BE Instrumentation & Control)
Campus ambassador of I2I 2018-2019

Participation of our college in I2I 2018-2019.

- No. projects registered:- 31
- No. Total participants:- 140
- No. of projects in grand finale:- 4

Awards:-

1st prize in agriculture sector.

Project name:- smart pesticide sprayer.

Team: - Rohini Munghate (Team leader), Thaware Shubham, Aniket Nikam, Venkatesh Patil, Shubham Kurhe, Bindiya Mehta.

2nd prize in entrepreneurship sector.

Project name:- Connect assistant.

Team:- Govind Daga(Team leader), Abhishek Wadmare, Harshad Meshram, Kaunen Sayed, Anurag Mishra.

WOMAN'S GRIEVANCES COMMITTEE REPORT

Internal Woman's Grievances Committee of the College organized a "Expert talk" for woman employees and students of Government college of Engineering and research Avasari (Khurd) on 28-09-2018.

"Expert talk" on subject The sexual harassment of woman at Workplace (prevention, prohibition and Redressal) given by Advocate Smt. sandhya Bankhele, Inner wheel club Manchar President Madhura Shette and club Members were present for guidance .

One more Programme arranged by Internal Woman's Grievances Committee of the College Olakh svataha shi ("ओळख स्वतःशी") on 19-01-2019 .

In this programme special guest Dr. Sushma A. Kulkarni M.D., Aanand Hospital Narayangaon were present and aware woman employees and students to their health and diet. After program Women employees and girls students have been clear their doubts.

Mrs. H. H. Rakshe , In charge internal women's 'grievances Committee gave an introductory speech and Girls Hostel Rector Mrs .Dr. K. V. Thakur , Committee member Smt. Y. N. Chaudhari and Smt. N. L. Patil helped to organize this Programmes. Dr. Smt. P. P. Dahitule outside member also present for the Programme.





EVENTS/ACTIVITIES

ABINITIO 2018 - 19

As per the culture of Government Engineering and Research College (Avasari), every academic year college organizes interstate college technical fest for aspirants assembling from various engineering colleges with a very high competitive spirit and determination. The event was held on 28th and 29th of August 2018.

In charge Principal, Dr. D. R. Panghwane inaugurated the two-day state technical program ABINITIO 2018-19. The fest executed with a total of 25 events planned and organized at its best of quality. At the inauguration ceremony, Dr. D. R. Panghwane said that "In today's age, technological competition can be successfully achieved by unity, effort, and self-motivation". All these things appear to be done by the students with dedication.

A total of 1,100 participants from various 45 engineering colleges across the state participated in the program. The Search Master Competition was organized for the first time this year.

The valedictory function of the two-day technical fests was held at the college premises on 29th August 2018. Guest of the day, Dr. A. A. Ghatol (Former Director of Government Engineering College, Pune, as well as former Vice-Chancellor of Dr. Babasaheb Ambedkar's University of Technology, Lonere) appreciated the progressive growth of the Institute within a very short time and observed that it will grow

as a promising technical institute in the days to come". He inspired students for new innovation and highlighted that more opportunities will be available in the area of communication, transport, and energy.

Following is a list of winners in various events organized during the two-day technical program from various engineering colleges of Maharashtra R. C. Nitro racing - Samir Phadtare and Munib Chougule (ISB & M School of Technology, Nanded Pune), PLC Master- Omkar Kachare and Madhura Suryavanshi (Vishwakarma Institute of Technology Pune VIT PUNE), Robo Soccer - Ashish Naidu and Team (DY Patil College of Engineering, Akurdi, Pune), Block Warrior- Kiran Raktate (Sanjeevani College of Engineering, Kopergaon), Leth War - Prashant Thambekar (ITI Khed), Speco Frame - Rushikesh Korde and Team (Jai Hind College of Engineering Kiran) Search master- Shivam Ashtikar, C60 - Ganesh Chincholkar, Algorix- Shivam Ashtikar and Ganesh Chincholkar Vehicle Troubleshooting- Sumedh Lagate and Niranjana Gadade, Electro-Spark- Nilesh Vetal and Priyanka Nalawade, Catapult - Mihir Avchat and Giram Siddheshwar (Government Engineering and Research College, Avasari Khurd), utrix Akash karanjale

The technical program was executed by Dr. R.M Warkhedkar (coordinator) and Mr. G.S Datar (co-coordinator). Miss. Sanjana Jadhav worked as a student coordinator for this event. Principal Dr. Avinash Pant congratulated the participants and winners of the competition.



COMBAT 2K19

The most awaited annual sports event 'Combat 2k19' was held between 5th Jan-9th Jan 2019 with great zeal, excitement & frolicsome atmosphere. Great interest was observed among the students & teachers too. All of them came in large number to enjoy the sporting event. Honorable chief guest Mr. S. Panchal - PSI MANCHAR POLICE STATION, Principal of our institute Dr. A. S. Pant, sports in charge of the college, sports secretary, all sport coordinators, students & teachers were present for the inauguration program. Dr. A. S. Pant introduced the chief guest & deliver the welcome address. Addressing the students, the chief guest said for the overall development of the individual, it is very important to have co-curricular & extra-curricular activities along with the curricular activity. He advised the student to make the best use of facilities provided by the institute. The inaugural function concluded with a vote of thanks by sports in charge of the college, Mr. N. P. Futane sir.

After the inauguration, the sporting event started with a friendly match of 'Kabaddi'. Combat-2k19 was very huge including 15 indoor & outdoor games. Each game was conducted by the respective coordinators which were assigned by the Sports Secretary of the college. In the first two days, the qualifier rounds of the games between all the six departments were conducted as scheduled. On 7th Jan matches between faculty members were conducted. The majority of staff members participated in various games with great enthusiasm. The next day was very tough for the umpires and corresponding coordinators as it was the day of crucial quarters and semis; but these matches are well managed by coordinators, umpires along with management and discipline team.

9th Jan the day that will be remembered in the heart of every sports player due to breath taking final matches. All the students supporting and cheering up their respective department teams. Without any misbehaviour and lots of excitement, everything ended up as scheduled.



RESONANCE 2K19

And here's another ecstatic moment of college days that is Annual Cultural program which was held in our college premises this year on 9th, 10th and 11th January known as 'Resonance 2k19'. It was three days program started with Traditional day on first day, Dhol-Taasha which was introduced first time in campus gave goosebumps to one and all and on second there was Mix-match day which held in very jubilant mood and also 'Coffee with CS' grab everyone's attention, main guest for this program was principal sir of our institute Dr. A. S. Pant, he shared his school-college life incidents, favourites and dislikes, his plans and efforts for the institute. Also there was a refreshment for students and staff on this day. Management of this days was made by day's co-ordinator Kshitija & Vaishnavi and their vigorous team. Student enjoyed a lot on both days.

On the 3rd day, main program annual social gathering was held. Program started with lighting lamp by principal sir and other dignitaries and Ganesh Vandana by students. Performers entertained the audiences with their overwhelming cultural performances like singing, dancing, drama,

monoact, poetry etc.. Branch theme grab the everyone's attention, this was one of the best part of Resonance.

This year's Resonance was blessed with the chief guest, the well-known actor as well as singer Mr. Sanjay Khapare. College CS - Vaishnav Wirkar took interview of Mr. Khapare.

Sanjay also encouraged students with his motivating speech and also won the hearts of audience by his marvellous performance.

After all cultural programs, in prize distribution ceremony students were honoured for their academic & non academic achievements by the hands of Mr. Khapare. Chief guest congratulate principal sir, Resonance in-charge Dr. Milind Bongulwar and Dr. Deolkar and supporting staff.

At last principal thanked chief guest, supporting teachers, CC team who made this occasion memorable. This grand event happen due to hardwork, gusto, positivity, brio of everyone who was part of management team. Because teamwork makes the dreamwork, Cultural Secretary Vaishnav Wirkar added in his speech thanking everyone.



PERSONALITY DEVELOPMENT PROGRAM

On 18th and 19th January, 2019 a Personality Development Programme (PDP-2k19) was organized for the High school students and teachers of the Ambegaon Taluka, where one teacher and three student participants from each school enrolled for the programme. About 50 schools with 150 students and 50 teachers were present for the program. During these two days the experts talk on the subjects like Youth Leadership, Career Guidance, Introduction to Robotics, Important of Sports, Soft Skills, Time Management, Teaching: A Perspective, E-Learning, Digitization, Plant Tree-Plant Life were organized. A special session of Cashless training and e-governance was organized for teachers. This programme, every year, is a feast for nearby high schools.

On 18th and 19th January, 2019 a Personality Development Programme (PDP-2k19) was organized for the High school students and teachers of the Ambegaon Taluka, where one teacher and three student participants from each school enrolled for the programme. About 50 schools with 150 students and 50 teachers were present for the program. During these two days the experts talk on the subjects like Youth Leadership, Career Guidance, Introduction to Robotics, Important of Sports, Soft Skills, Time Management, Teaching: A Perspective, E-Learning, Digitization, Plant Tree-Plant Life were organized. A special session of Cashless training and e-governance was organized for teachers. This programme, every year, is a feast for nearby high schools.



ALUMNI MEET 2019

Ex Students meeting of Government Engineering and Research College The program concluded on 16/3/2019. The meeting was inaugurated by S. Alam Sonawane, Secretary of the University of Alumni and Manoj Bhojne, by Saraswati Pujan and Deep Prajna. Former student organization secretary Dr. Shyam Sonawane proposed the program and outlined the program. In the organization, the former students appealed to be a large number of members and guided the reference manual. The organization's president, Manoj Bhojne, has registered this organization with the registration number MAH 443/19 and appealed to the students to become part of the organization in the next year. He said, "At present, the students of the college have big positions in different fields. This will help cooperate with the students of every alumni, so that the students of the college will get employment opportunities. Interaction between industries and colleges will increase." Principal of the college, Dr. A. S. Pant welcomed all the former students of the organization and program and gave the following wishes of the organization.

A total of 120 students of various branches were present for the meeting. Subsequently, the Heads of Department have submitted the present status of the department in all the departments. Also, every former student who came to the school has guidance on various job opportunities for the children studying in the current situation. It also said that former students speak different languages and have good communication skills in all areas of the world's current position is accomplished. It was then organized in the evening. In the cultural program, the former students highlighted the old memories of their college. The second alumni meet was held in the city. All the departments of all departments of the division were present in the program. Ex-student organization vice president - Rahul Chavan, treasurer - Tejas Narvade members - Jagdish Bis, Priyanka Shinde, Dheeraj Chopde, Pratik Sakale, Amol Sathe, Rahul Nehru, Bharat Jadhav and Nitin Pawar were also present. The program was hosted by Rishikesh Kale and Samrudhidhi Chavan.



FDP ON "RECENT SCENARIO AND FUTURE TRENDS IN AUTOMOTIVE INDUSTRY"

A one-week FDP on "Recent Scenario and Future Trends in Automotive Industry" was organized by Automobile Department at GCOEARA during 17th December to 21st December 2018. Dr. Kamal Vora, Senior Deputy Director, ARAI Pune inaugurated this Faculty Development Programme (FDP).

FDP Coordinator Dr. Dilip Pangavane outlined and explained the purpose of this FDP. The chief guest of inaugural function Dr. Kamal Vora, informed about the growing number of vehicles in India and the advancement of the automobile industry and the latest technology.

In this one week's program, lectures by experts from various renowned research institutes and industry like ARAI Pune, CIRT Pune and Karara Company Ranjangaon Pune were organized. In the above program, experts have guided the non-polluting industries including fuel, electric and hybrid vehicles, and the new vehicle technology. During this program, the professors visited the Mahindra Vehicles Company, Chakan and got information about car manufacturing.

The program concluded on 21st December 2018, by Dr. Nilkanth Marathe, Deputy Director, ARAI Pune. Dr. Marathe said that such training programs are necessary to get acquainted with upcoming technology in the industry.

Directorate of Technical Education, Mumbai sponsored this FDP. Faculties from the various government as well as government-aided engineering and polytechnics colleges were present for this programme. Dr. Avinash Pant Principal GCOEARA said such training programs are needed for the professors. Dr. Dilip Pangavane Head of automobile department worked as FDP organizer and Dr. Machchindra Pabale, Mr. Vijay Dhepe and Mr. Rashtrapal Teltumde worked as coordinators of the FDP.



A ONE-DAY WORKSHOP ON "BEST CONCRETE PRACTICES" AT GCOEARA

GCOEARA Civil Engineering Department and the Ultra Tech Cement Company jointly organized a one-day workshop on "Best Concrete Practices" on 21st September 2018. Dr. Avinash Pant Principal inaugurated this workshop. As a chief guest and speaker Shri. Mahesh Koli (Assistant Manager) and Mr. Zaheer Mohammed (Territory Cell Executive), Ultratech Cement Company Ltd., Pune Branch were present.

The Head of Civil Engineering Department and Workshop Coordinator Dr. Wasudeo N. Deulkar gave information about the various programs organized by the department to the chief guests and the audience.

Speaking on this occasion, Dr. Avinash Pant highlighted Best concrete practices are the need of the hour. Therefore, the cement - concrete laboratories with updated and modern resources should be developed in rural areas like Avasari.

Honorable chief guest Mr. Mahesh Koli (Assistant Manager) and Mr. Zaheer Mohammed (Territory Cell Exhibit), on this occasion gave lectures on "Best Concrete Practices". The following information was given to listeners.

- Essential components required for durable and robust concrete
- Process of concrete, use of chemical in concrete,
- The selection of the right form work, and the hassle of taking site-based
- Best concrete examinations were displayed at the end of the workshop.

In this workshop, a total of 100 Participants including construction contractors, last year's students and teachers. Workshop ended with certificates distribution with presence of all the guests, workshop coordinator, Dr. Wasudeo N. Deulkar, and Dr. Swapnil Karmale, Representative of Ultra Tech Cement Company Ltd., Mr. Mahesh Koli and Mr. Zaheer Mohammad.



IGNITED INNOVATORS OF INDIA 2018

Ignited Innovators of India 2018-19, Students of Government Engineering and Research College have successfully achieved this state-level competition organized by Bhawan Institute of Innovation Entrepreneurship and Leadership and College of Engineering, Pune, organized by "Ignited Innovators of India Techno Sociological Project 2018-19"



This competition emphasizes the overall development of the students by utilizing the technology knowledge of engineering students for the development of society. Therefore, the skills of the students are developed from this competition. Two teams from Government Engineering and Research College have won success in 1125 teams of various colleges in the state. 31 teams had participated in this competition, out of which four teams had entered the final round. Outside Ambassador Shubham Thavare (Last Year Appliance)

In the 'Smart Pesticide Sprayer' team won the first place

The team of Rohini Munghat, Shubham Thavre, Shubham Kurhe, Aniket Nikam, Venkatesh Patil and Bindia Mehta developed a useful spraying machine for six months by working hard.

Developed spraying machines for the farmers by working hard for 6 months Without spraying the pump, the farmer can spray only on foot. This machine will not make the farmers tired and spraying will be easy.

Also, the Associated Associate team has ranked second in the entrepreneurship division. In this team, Govind Daga, Abhishek Wadamare, Anurag Mishra, Konan Saeed and Harshad Meshram created the counseling app. Through this app, the students will be able to reduce their stress on career and educational guidance, as well as employees working in different fields.

Mr. Ashok Shinde, Engineer of Eaton Pune Company, Mr. Vishwajit Gunda received valuable contribution in the success of both the teams. Also, Principal of the college Dr. Students received the encouragement of S. P. Pant. Principal of the college Dr. Avinash Pant and all the department heads congratulated the successful editions of the competition.



GCOEARA STUDENTS SHINE IN CHESS CHAMPIONSHIP

Government Engineering and Research College, Avasi (Khurd) student Rathore Sachin Babasaheb secured second position in the national level chess competition held in Hyderabad. A cash amount of Rs. 75,000 /- and a trophy is given in the form of a reward. Telangana State Chess Association and Fayaz Chess Academy, Hyderabad have jointly organized the national level chess competition.

Principal of the Institute Dr. Pant A.S. and head of Automobile Department, Dr. Dilip Pangavane provided valuable guidance to the student. Gymkhana In charge, Dr. Futane N.P, Shri Patil S. D., Mr D.J. Perrera, Mr. Thorat, Mrs. Morade Encouraged and assisted him. He also got utmost support from Mr. Khankar Sairaj.



NOTABLE SUCCESS OF GCOEARA IN THE “COEP IMPRESSION PATHNATYA COMPETITION”

Team of GCOEARA participated in the “COEP Impression Pathnatya Competition” on 15th December 2018 organized by College of Engineering, Pune.

In this Competition, 5 teams from different places participated. Students of GCOEARA won the hearts of the attendees for the play. The act was based upon the benefit of the reservation at the starting and then the benefits and disadvantages of the current reservation. The main focus of this act was that reservation should be on the financial criterion without being a cattiest.

The legendary artist Shri. Vikram Gokhale handed prize to the students. Dr. N.P Futane , (Gymkhana Incharge), Cultural secretary Vaishnav Veerkar and Pathnatya coordinator Sayyad Kaunen, Aishwarya Misal provided guidance. Principal of the college, Dr. Avinash Pant congratulated the participants.



GRADUATION CEREMONY HELD IN GOVERNMENT COLLEGE OF ENGINEERING AND RESEARCH AVASARI.

Students graduated in the academic year, 2017-18 conferred with degrees in a Graduation ceremony held in the Government College of Engineering and Research Avsari on 14/2/2019 . Dr. Vivek Sawant MKCL Managing Director was the chief guest.

The ceremony began with the procession led by Dr. M.J. Pable, College Examination Officer. Dr. Vivek Sawant inaugurated program by 'Deep Prajwalan' and “Saraswati vandan”. After that, everyone sang the university song.

On this occasion, Principal Dr. A.S. Pant proposed a report and cited the progress of college in various fields in the academic year 2017-18, students achievements such as, Hackathon, Robocon, e-yantra, various inter-college students sports achievements such as , chess, Kho-kho etc. the students have achieved remarkable success in different technical and cultural competitions.

Dr. Vivek Sawant, the chief guest, gave valuable guidance and won the hearts of students present for Graduation ceremony. On this occasion, he said that this college has started in rural area. He has presented the thoughts of Mahatma Gandhi, Rabindranath Tagore, and Dr. Babasaheb Ambedkar. At present, engineers should update and posses skills in all fields for upcoming job opportunities. You should always have a lifetime of knowledge through a great deal of experience. And that knowledge should be used for the betterment of society by making the country strong. All of us have to maintain moral values .

A total of 180 fresh graduates from all branches were present for this ceremony. Graduation was an important moment in their life. All teaching, non-teaching staff members, and students along with all heads of departments Prof. S.V. Joshi, Dr. D. R. Pangavhane, Dr. S.U. Ghumbre, Dr. W.M. Deulkar, Dr. M.R. Bongulwar and Dr. M S Nagmode were present for the ceremony.



A TWO -DAY ENTREPRENEURSHIP DEVELOPMENT CAMP AT GCOEARA

GCOEARA Automobile Department and Indian Entrepreneurship Development Institute Gandhinagar (DST-NIAMAT Project 2018-19) jointly organized a two-day Entrepreneurship Development Camp for college students between 4th to 6th October, 2018. Inauguration of the camp was done By Mr.



Mr. Vivek Kakade (Shivchandambar Tractor Pimpalwadi) and Principal Dr. A. S. Pant by lighting the lamp. Mr. Vivek Kakade said, "The mind and body should be healthy, to prepare for the hard work, he also guided on entrepreneur as career and the qualities required by an entrepreneur.

In the inaugural session, Dr. A.S. Pant said that students should learn a lot before earning, and students should always be knowledge-seekers then they will become successful entrepreneurs. Kulkarni Automobiles Pune's Mr. Vyaginath Kulkarni mentioned that, there is need to start the new industry according to the needs of the people of the world, and he has guided the market survey and competitive analysis.

Mr. Suresh Umap (Pune, Divisional Executive Officer, Entrepreneurship Development Center, Maharashtra State), guided in his session that legal and moral rights for start-up, type of startup, license system and GST

Mr. Nagendra Manchal (Manager, Bank of Maharashtra Manchar) guided about how to develop fund for new startup and role of cooperative societies/banks for the development of the industry. Mr. Sagar Ingale also guided the preparation of the project report.

A total of 150 students participated in this camp. Under this camp, the students were taken for an Industrial visit at Suyog Milk & Agro Products, Nirgudsar. Mr. Yuvraj Lambole (Director Impel Corporation, Pune) was also present for valedictory function. He also guided the society for its success, to develop new strategies for marketing. In charge Principal Prof. S.V Joshi said that students will become entrepreneurs by taking inspiration from the camp.

Dr. D.R. Pangavhane, Dr S.A. Sonawane worked as Organizer and Co organizer, Mr. A.J. Bhosale, Shri S.D. Patil worked as Coordinator and Co-coordinator, Shri. N. M. Karjnagi, Mr. G. R. Phule, Mr. D. S. Langere (Assistant Professor) and Mr. S. S. Bhong worked as organizing members for this camp.

FDP ON "ADVANCES IN INTERNET OF THINGS"

A one-week FDP on "Advances in Internet of Things" was jointly organized by E&TC and Instrumentation department at GCOEARA during 28/1/2019 to 1/2/2019. Mr. Sunil Rajput, (Managing Director Accenture, Pune.) inaugurated this Faculty Development Programme (FDP).



FDP Coordinator Dr.M.S. Nagmode and Dr.M.R. Bongulwar outlined and explained the purpose of this FDP. The chief guest of inaugural function Mr. Sunil Rajput, said that the coming period will be of Internet of Things and inform about the progress and advancement in IOT.

In this one week's program Mr. Rahul Gupta (Managing Director of Intellect Technologies), Mr. Vinod Joshi (Senior Director of Forbes Marshal Pune), Mr. N.L. Bhale (Assistant Professor of Matoshree Engineering College, Nashik), and Mr. Sandeep Shroff (Chief Executive Officer of Auto Intel) have given different expert sessions on Advances in Internet of Things.

In this FDP, the latest updated technology of the Internet of Things (IOT) and how it is being used in every area of the world (control of industrial, medical, military, aircrafts, home appliances, electronics etc.) was discussed. You can control things from all over the world through the Internet of Things. During this program, the professors visited Robotics Research and e-yantra Lab in the college. The students shared their experience and achievements with the participants.

Directorate of Technical Education, Mumbai sponsored this FDP. Faculty from the various government as well as government-aided engineering colleges were present for this programme. Dr. Avinash Pant, Principal GCOEARA gave his valuable guidance for conducting this FDP. Dr .M.S.Nagmode and Dr.M.R. Bongulwar worked as FDP coordinator and Mr K.H. Kowdiki and Dr. N.P. Futane worked as co-coordinator.

INDIAN ROAD SAFETY HACKATHON 2019

Students of Computer Engineering at Government Engineering and Research College, Avasari Khurd, participated in the Indian Road Safety Hackathon 2019. The students had prepared a digital system to reduce the number of road accidents. For this, he successfully completed the challenge using modern technology like machine learning. He has done this performance for the first time in this tournament. The team was selected from 1900 students of 276 colleges like IIT and NIT.

In the last round of the competition, 32 teams of engineering colleges in various parts of the country had participated. The team of the team was competed at the Indian Institute of Technology Guwahati (IIT Guwahati) on 30th and 31st March 2018. In this competition, you have to complete the challenge given by using your technical knowledge for 24 hours. This competition was intended to reduce the road accidents, use of new technology for safe transport. Indian Road Safety Campaign, IIT Guwahati, Bosch India cooperated to organize this competition.

Principal Dr. A.S Pant received valuable guidance for the students. Success of students has been successful due to the cooperation of Dr. S. U. Ghumbare (Department Head Computer Engineering) and Mr. D.J Pereira. In this competition, Team Bid for Team Bits and Bytes, Arvind Badwar (Team Leader), Imran Khan, Laraib Mushtaq and Dheeraj Kumar. College Prof. Avinash Pant congratulated the participants of the competition.



ISTE STUDENTS CHAPTER INAUGURATED AT GCOEARA

Indian society for technical education (ISTE) New Delhi, Students Chapter was inaugurated here at GCOERA on Monday 01st September 2018.

Chief Guest Smt. Nilima Iyer, (Senior Chief Scientist, National Chemical Laboratory, Pune) inaugurated the programme by lighting the ceremonial lamp along with other dignitaries on the dais. Dr. Nilima Iyer delivered a lecture on "The opportunities for engineers in Cyber-physical system & CSIR laboratories in India".

Honorable Principal Dr. Avinash Pant in his inaugural address gave the insights about various activities done by ISTE for the benefit of students and faculty members in the field of technical education. Dr. Dilip Pangavhane ISTE institute coordinator and Head of automobile Department highlighted the importance of bringing in members for ISTE from industrial sectors which will create opportunities for students and faculty members to understand the technologies prevailing.

All the Head of departments were present for the Inaugural function. The program was executed by ISTE Coordinators Shri. Arvind Bhosale, Shri. Dheeraj Langere and Mrs. A.V. Kulkarni.



महिला अधिकारी, कर्मचारी व विद्यार्थिनीना आरोग्य व आहार या विषयावर मार्गदर्शन

अवसरी खुर्द : (ता. आंबेगाव) येथे शासकीय अभियांत्रिकी व संशोधन महाविद्यालयात महिला तक्रार निवारण समितीने विद्यार्थिनी, महिला अधिकारी व कर्मचारी यांच्यासाठी दिनांक 19-01-2019 (शनिवार) रोजी महाविद्यालयात "ओळख स्वतः शी" हा कार्यक्रम घेण्यात आला.



महाविद्यालयाचे प्राचार्य डॉ.ए.एस. पंत यांच्या हस्ते कार्यक्रमाचे उदघाटन झाले. प्रमुख पाहुणे म्हणून डॉ. सुषमा अ. कुलकर्णी, एम.डी, (आनंद हास्पिटल नारायणगाव) यांनी आरोग्य व आहार या विषयावर महिला अधिकारी, कर्मचारी व विद्यार्थिनीना मार्गदर्शन केले व त्यांच्या सोबत चर्चा केली. या वेळी त्या म्हणाल्या " विद्यार्थिनीनीचे हिमोग्लोबिन १३ ते १६ या मध्ये असलेच पाहिजे त्या साठी लोह युक्त खाद्य पदार्थ अवश्य खा. रोज व्यायाम केलाच पाहिजे आणि आहारात प्रोटीन चा समावेश आवश्यक आहे." विद्यार्थिनीनी पण त्यांच्या मनातले विविध प्रश्न विचारले व आपल्या शंकांचं निरसन केले. कार्यक्रम श्रीमती एच.एच. राक्षे (महिला समिती अध्यक्षा) व श्रीमती के. व्ही. ठाकर (कुलमंत्रि मूलीचे वसतिगृह) यांच्या मार्गदर्शनाखाली घेण्यात आला. सदर कार्यक्रमासाठी, महिला समिती सदस्य श्रीमती वाय.एन.चौधरी व श्रीमती एन.एल पाटील महिला अधिकारी, कर्मचारी व विद्यार्थिनी मोठ्या संख्येने उपस्थित होत्या. श्रीमती एच.एच. राक्षे यांनी स्वागत व प्रास्ताविक केले. सूत्र संचालन व आभार प्रदर्शन विनिता भनसाळी व ऋतुजा जावळे यांनी केले.



PARENT TEACHERS MEET

Government Engineering and Research College The students, parents and teachers' gatherings were held on 30/03/2012. Parents meet coordinator Dr. All SAARC parents came to the hospital. He also proposed the program and outlined the program.

Various clubs have been set up such as Hackathon, Robocon, Maintenance Tractor Design, Racing Car, Green and Competitive Examination for the students in the college for the purpose, Dr. AS Pant said that with the academic development of the students, the college is working hard for overall development.

Under the Income-tax scheme, work is done to the needy students and N. S. S. Various societies have said that useful activities are undertaken. Parents present at this time expressed their expectations. Dr. U.S. Kate, Head of the Department and Dr. AS Pant said that the college will strive and complete the instructions and expectations. Since some parents are in the industrial area, this will also benefit the students in the next period.

All the Heads of Departments presented the status of the department and the expectations from the parents were understood. Parents were told to pay attention to the attendance of the college students. This time Parental Feedback was taken by Parents.

After the program, parents visited Robotics Research, Instrumentation, Baha / Racing Car lab in the college. The students were informed about the achievements made by the participants and their success. All the Departments of the Department S. V. Joshi, Dr. D. R. Pangavane, Dr. S. U Ghoomre, Dr. Ss Walujkar, Dr. MR Bongulwar, Dr. KV Thakur and all the officers were present.



FE INDUCTION PROGRAM

A five-day induction program has been organized for first year engineering students by GCOEARA from 1st August 2018 to 5th August 2018 according to the instructions of the All India Council of Technical Education (AICTE.) The Induction program began on 1st August 2018 with the welcome of the students, their parents, dignitaries, faculty members and Chief Guest of the event Dr. Yogesh Kulkarni, Executive Director, Vigyan Ashram Pabal, who graced the occasion with his presence.



Followed next was lamp lighting ceremony accompanied by Saraswati Vandana by the Principal Dr. A.S. Pant. Principal addressed students by motivating them for overall development and to do hard work for achieving their goals. A brief description of the institute, which included the motto, history and reputation of college along with recent achievements was given by the anchors Rohini Kulkarni and Pooja Chavan.

Chief guest Dr. Yogesh Kulkarni, Executive Director, Vigyan Ashram Pabal addressed the students by delivering a speech on importance of entrepreneurship and how innovation at the college can facilitate in shaping start-ups at the institute. He further discussed the vital role of development of new technologies to solve the serious problems in the country. This program aims to create self-motivation by creating a comfortable environment for students, promoting their educational interests and activities, creating relationships between teachers, developing a healthy daily routine, feeling love for one another, feeling self-confidence, sensitivity and self-perception.

The mentoring relationship provides a developmental opportunity for both and can thus be of mutual benefit. In a nutshell, a student mentors' role may be perceived to be facilitative, supportive and developmental for the student community in general and the first-year students in particular.

Many programs were organized in the five-day induction program, students were given an opportunity to show their extracurricular activities and skills like music, dance, painting, Indian sports, hill climbing, visiting Avasari village. Shorts films on air pollution, water pollution was shown to students for spreading awareness. Smt H. H. Rakshe, First year coordinator, illuminated the audience about various

societies active in the institute and their roles. On this occasion, all the Heads of Departments highlighted the importance of each branch and provided guidance. Then the students were addressed by Dr. U. S. Kakade, Head of the Department of Applied Division who welcomed the students and instructed them regarding the academic discipline.

Prof. T. T. Waghmare and Prof. Y. N. Choudhury, Rectors (Boys and Girls hostel), discussed about the housing environment at the institute, the facilities and discipline in the hostels.

Prof. Dr. M J Pabale, College Examination officer, guided newly admitted students about engineering examinations along with grading scheme and results. Dr. N. P. Futane highlighted on ragging laws, measures taken against the ragging by college and college premises as ragging free. Prof. K H. Kowdiki mentioned facilities provided for students in central college library.

Dr. S. A. Sonawane (Associate Prof.), Mrs. H. H. Rakse and Mr. V.P Jadhav (Assistant Prof. Applied Sciences) worked as coordinators for Induction Program.



शौर्य दिन

२९ सप्टेंबर २०१६ रोजी उरी हल्ल्याच्या ११ दिवसानंतर भारतीय सैन्याने पाकिस्तानी प्रशासित कश्मीरमध्ये संशयित दहशतवाद्यांविरुद्ध "शस्त्रक्रिया" केली होती. या करता दिनांक २९ सप्टेंबर २०१८ रोजी शासकीय अभियांत्रिकी व संशोधन महाविद्यालय, अवसरी(खु). मध्ये "शौर्य दिन" मोठ्या उत्साहाने पार पडला. यातून मुलांना प्रेरणा मिळावी हा उद्देश होता .

सदर कार्यक्रमासाठी संस्थेतील अधिकारी व कर्मचारी तसेच विद्यार्थी मोठ्या संख्येने उपस्थित होते. सदरील कार्यक्रमासाठी आंबेगाव तालुका माजी सैनिक अध्यक्ष श्री. विलास अभंग, माजी नायक- थलसेना, तसेच श्री. नानजी कोरडे, माजी हवालदार- थलसेना, श्री. संभाजी सिनलकर, माजी सार्जंट- नौसेना, श्री.डी. बी. गिंडे, माजी सुभेदार- थलसेना, श्री. यशवंत गांजाळे माजी हवालदार- थलसेना, दिलीप आरोटे माजी सार्जंट- वायुसेना, रामदास मेहेर, माजी नायक सुभेदार -वायुसेना व श्री. भरत विश्वासराव, माजी लान्स नायक- थलसेना हे प्रमुख पाहुणे व मार्गदर्शक म्हणून उपस्थित होते.

कार्यक्रमाचे अध्यक्षस्थान महाविद्यालयाचे प्राचार्य मा.डॉ.ए.एस.पंत यांनी भूषविले. श्री. नानजी कोरडे, माजी हवालदार- थलसेना यांनी सैन्यात कार्यरत असताना बजावलेल्या कामगिरी बाबत विद्यार्थ्यांशी संवाद साधला व त्यांचा पोखरण चाचणी मधील रोमांचित अनुभव सांगताना ते हरपून गेले. त्यांनी २९ सप्टेंबर २०१६ रोजी भारतीय सैन्याने कशा प्रकारे सर्जिकल स्ट्राईक करण्यात आले याचे दुश्य डोळ्यासमोर उभे केले. त्यांचे मनोगत ऐकताना विद्यार्थी भारावून गेले होते. तसेच श्री. संभाजी सिनलकर, माझी सार्जंट- नौसेना, श्री.डी. बी. गिंडे, माझी सुभेदार- थलसेना यांनीही त्यांचे मनोगत व्यक्त केले व विद्यार्थींना उपदेश केले. सर्वांनी सैन्यातील त्यांच्या चित्तरारक आठवणींना उजाळा दिला महाविद्यालयाचे प्राचार्य मा. अ. शि. पंत यांनी सर्व पाहुण्यांचे सदर कार्यक्रमास उपस्थित राहिल्याबद्दल आभार व्यक्त केले.

कार्यक्रमाचे नियोजन डॉ.एन.पी.फुटाणे, प्र.जिमखाना अधिकारी, तसेच श्री. एस.डी. पाटील, सहा. प्राध्यापक स्वयंचल अभि., श्री. एस.बी.थोरात, तांत्रिक प्रयो. सहाय्यक, स्वयंचल विभाग, श्रीमती एस.बी.मोरडे, तांत्रिक प्रयो. सहाय्यक, अणुविद्युत विभाग यांनी केले.



उद्योजकता विकास शिबीर संपन्न

शासकीय अभियांत्रिकी व संशोधन महाविद्यालय अवसरी खुर्द व भारतीय उद्योजकता विकास संस्था गांधीनगर (डी एस टी- एन आय एम ए टी प्रकल्प २०१८-१९) यांच्या संयुक्त विद्यमाने स्वयंचल विभागात विद्यार्थ्यांकरिता उद्योजकता विकास शिबीर दि ४ ते ६ ऑक्टोबर २०१८ दरम्यान संपन्न झाले. शिबिराचे उद्घाटन श्री. विवेक काकडे (शिवचिंदंबर ट्रक्टर्स पिंपळवंडी) व प्राचार्य डॉ.ए.एस.पंत यांच्या हस्ते दीप प्रज्वलन करून करण्यात आले.

उद्घाटन प्रसंगी श्री. विवेक काकडे म्हणाले की, " मन व शरीर सुदृढ असले पाहिजे, प्रबळ मेहनत करावयाची तयारी असली पाहिजे, उद्योजकता एक करिअर आणि उद्योजका कडे असावे लागणारे गुणधर्म यावर मार्गदर्शन केले.

उद्घाटन प्रसंगी प्राचार्य डॉ.ए.एस.पंत म्हणाले की विद्यार्थ्यांनी कमाई पूर्वी खूप शिकणे महत्वाचे आहे, विद्यार्थी नेहमी ज्ञान आत्मसात करणारा असला पाहिजे तरच तो यशस्वी उद्योजक बनू शकतो. कुलकर्णी ऑटोमोबाईल्स पुणे चे श्री. वैजीनाथ कुलकर्णी यांनी जगाच्या, देशाच्या, समाजाच्या गरजा पाहून त्यानुसार नवीन उद्योग चालू करणे गरजेचे आहे. तसेच त्यांनी बाजार सर्वेक्षण आणि प्रतिस्पर्धी विश्लेषण यावर मार्गदर्शन केले.

श्री. सुरेश उमाप (पुणे, विभागीय कार्यकारी अधिकारी, उद्योजकता विकास केंद्र महाराष्ट्र राज्य) यांनी स्टार्टअप करिता कायदेशीर व नैतिक अधिकार तयार करणे, स्टार्टअप चे प्रकार, परवाना प्रणाली जी.एस.टी. याबाबत मार्गदर्शन केले.

श्री.नागेंद्र मंचाळ (मॅनेजर, बँक ऑफ महाराष्ट्र मंचर) यांनी उद्योग उभारणी करिता पैसा तसेच सहकार्य करणाऱ्या संस्था याबाबत मार्गदर्शन केले. तसेच श्री.सागर इंगळे यांनी प्रकल्प अहवाल तयार करण्याबाबत मार्गदर्शन केले. या शिबिरात एकूण १५० विद्यार्थी सहभागी झाले होते. या शिबिरांतर्गत विद्यार्थ्यांची औद्योगिक सहले सुयोग मिल्क अँड अँग्री प्रोडक्ट्स, निरगुडसर येथे आयोजित करण्यात आली होती.

शिबिराच्या परितोषिक वितरण कार्यक्रमाकरिता श्री. युवराज लांबोळे (संचालक इम्पेल कॉर्पोरेशन, पुणे) उपस्थित होते. त्यांनी उद्योग यशस्वी करण्याकरिता समाजाशी सुसंवाद साधने, मार्केटींग करिता नवीन रणनीती तयार करणे याबाबत मार्गदर्शन केले. परितोषिक वितरण कार्यक्रमाकरिता प्रभारी प्राचार्य श्री एस.व्ही.जोशी म्हणाले की विद्यार्थी, उद्योजकता शिबीरामधून प्रेरणा घेऊन निश्चित उद्योजक बनतील.

या शिबिराच्या आयोजनाकरिता प्रकल्प अधिकारी व संयोजक म्हणून डॉ. डी. आर. पानगव्हाणे, सहसंयोजक म्हणून डॉ. एस.ए.सोनवणे, समन्वयक व सह समन्वयक म्हणून अनुक्रमे श्री. ए.जे.भोसले, श्री एस.डी.पाटील तसेच शिबिराच्या आयोजनाकरिता श्री.एन.एम.काराजनगी, श्री.जी.आर.फुले, श्री.डी.एस.लेंगरे (सहाय्यक प्राध्यापक) तसेच श्री.एस.एस.भोंग, श्रीमती पी.एस.दरदाळे, श्री ओ.एस.राऊत, श्रीमती आर.के.डवणे (निदेशक) तसेच श्रीमती ए.एस.गुट्टे, श्री एस.जी.राठोड प्र. परिचर यांनी काम पाहिले.



‘ऊर्जा संवर्धन व बचत’ या विषयावर वकृत्व स्पर्धा संपन्न

‘ऊर्जा संवर्धन व बचत’ या विषयाचा जास्तीत जास्त प्रचार व प्रसार होण्याच्या दृष्टीने ऊर्जा दक्षता ब्युरो, भारत सरकार, विद्युत मंत्रालय यांच्या मार्गदर्शक सूचनेनुसार महाराष्ट्र ऊर्जा विकास अभिकरण (महाऊर्जा), पुणे यांच्या सहयोगाने शासकीय अभियांत्रिकी व संशोधन महाविद्यालयात दिनांक २४/०९/२०१८ रोजी वकृत्व स्पर्धा घेण्यात आली. सदर वकृत्व स्पर्धेस विविध अभियांत्रिकी शाखेतील एकूण ३० वीद्यार्थ्यांनी सहभाग नोंदवला. औद्योगीकरणासाठी इंधनाच्या अमर्याद वापरामुळे नजीकच्या काळातील संभाव्य ऊर्जासंकट देशाच्या सामाजिक आणि आर्थिक विकासातील अडथळा आहे व तो दूर करण्यास ऊर्जा बचत, नविकरणीय ऊर्जास्रोतांचा वापर आणि त्यासाठी समाजातील सर्व घटकांनी एकत्र येऊन काम करण्याची गरज यावर विद्यार्थ्यांनी अभ्यासपूर्ण मते मांडली. विषयाची सखोल माहिती व उत्तम वकृत्व या निकषावर कु. विलास रेवळनाथ गुरव, अंतिमवर्ष यंत्र अभियांत्रिकी व कुमारी. ज्योती प्रभाकर खाकरे, तृतीयवर्ष यंत्र अभियांत्रिकी या विद्यार्थ्यांची विभागीय स्तरावर घेण्यात येणाऱ्या वकृत्व स्पर्धेसाठी निवड करण्यात आली आहे. ऊर्जा हि आपल्याला आपल्या पूर्वजांनी दिलेली देणगी नसून आपल्या भावी पिढीसाठी दिलेले कर्ज आहे आणि ते भावी पिढीला परत करावयाचे आहे. ‘ऊर्जा बचत ही ऊर्जा निर्मितीच आहे’ हा मुलमंत्र डॉ. एस. व्ही. करमारे यांनी विद्यार्थ्यांना दिला.

ऊर्जा संवर्धन व बचत या करीता महाविद्यालय प्रयत्नशील आहे तसेच याबाबतील समाजात जागरूकता निर्माण करणे ही काळाची गरज आहे असे प्राचार्य डॉ.ए.एस.पंत यांनी सांगितले. सदर वकृत्व स्पर्धा डॉ. एस. व्ही. करमारे, सहायक प्राध्यापक, यंत्र अभियांत्रिकी व श्री. एन. डी. पडवळे, सहायक प्राध्यापक, यंत्र अभियांत्रिकी यांच्या मार्गदर्शनाखाली आयोजित केली होती.



YOGA DAY

On 21st of June 2018 international yoga day was celebrated in Government College of Engineering and Research Awasari. It was celebrated for 4th time in college along with participation of students, teaching and non-teaching staff.

Sir Ravindra Prabhakar Sandbhor M.A.(Yogashastra and naturopathy) from kavi kulguru kalidas university, Founder of “Manshakti yog and meditation centre”, Rajgurunagar, Pune. was present as a guide and chief guest.

Dr. A. S. Pant was the chairperson of the program and he explains the importance of yoga in daily life activities. He also mention Yoga day as priceless gift to world from Indian tradition. Principal Dr. A. S. Pant felicitate chief guest by giving book. Anchor of the program was a student of the college Dipti Pawar. At first Mr. Ravindra Prabhakar Sandbhor acknowledged the audience with “Importance of Yoga”. Then he explains the lessons of Yoga and further made audience to perform some basic yoga exercises. The college staff, Head of departments, and students mentioned large no. of presence for the program.

Senior citizen Mr.Sayaji Shinde was present for the program and he has enjoyed practicing yoga on the day. Accordingly Prizes were distributed among the staff and student for performing the Yoga in excellent manner. From students side prizes were distributed to Lalit Chaudhari and Hina Mulani. And from staff side to Mr. A. S. Mane and Mrs. Y. N. Chaudhari (Assistant Professor)

The program was Organized by Dr. N. P. Futane (Gymkhana Incharge), Shri. S. D. Patil (Assistant Professor), Shri S. B. Thorat and Miss S.B. Morde (Laboratory assistant assistant). At last vote of thanks was presented by Mr. S. D. Patil.



महिला लैंगिकशोषण

अवसरी खुर्द (ता. आंबेगाव) येथे शासकीय अभियांत्रिकी व संशोधन महाविद्यालयात महिला तक्रार निवारण समितीने विद्यार्थिनी, महिला अधिकारी व कर्मचारी यांच्यासाठी आयोजित केलेल्या व्याख्यानात कामाच्या ठिकाणी महिलांचे लैंगिक छळवणूक (प्रतिबंध, प्रतिबंध, आणि निवारण) अधिनियम 2013 या विषयावर मार्गदर्शन करण्यात आले. कार्यक्रम शासकीय अभियांत्रिकी व संशोधन महाविद्यालय व इनर व्हील क्लब मंचर यांच्या संयुक्त विद्यमाने घेण्यात आला.



महाविद्यालयाचे प्राचार्य डॉ.ए.एस.पंत यांच्या हस्ते याचे उदघाटन झाले. इनर व्हील क्लब मंचर अध्यक्ष डॉ. मधुरा शेट्टे व क्लब सदस्य, निवारण समिती सदस्य श्रीमती वाय.एन चौधरी, श्रीमती एन.एल. पाटील माजी निवारण समिती प्रमुख डॉ. के.व्ही. ठाकूर उपस्थित होते. व्याख्यानाचा उद्देश काय आहे हे डॉ. मधुरा शेट्टे यांनी सांगितले. वकील श्रीमती संध्या बाणखेले यांचा परिचय डॉ.सुचेता शेट्टे इनर व्हील क्लब मंचर सदस्य यांनी केला.

वकील श्रीमती संध्या बाणखेले यांनी कामाच्या ठिकाणी महिलांचे लैंगिक छळवणूक (प्रतिबंध, प्रतिबंध, आणि निवारण) अधिनियम 2013 या विषयावर मार्गदर्शन केले. विद्यार्थिनींनी चांगला प्रतिसाद दिला. श्रीमती संध्या बाणखेले म्हणाल्या कि अधिनियम 2013 हा महिलांबाबत होणाऱ्या लैंगिक छळवणूक बद्दल आहे. लैंगिक छळवणूक म्हणजे नक्की काय? या बद्दल खुलासा केला. यावेळी एकूण ११० विद्यार्थिनी, महिला अधिकारी व कर्मचारीविधा उपस्थित होते. महाविद्यालयाच्या तक्रार निवारण समितीचे अध्यक्ष श्रीमती एच.एच. राक्षे यांनी स्वागत व प्रास्ताविक केले. सूत्र संचालन व आभार प्रदर्शन विनिता भनसाळी व विद्या नरके यांनी केले.



EMPOWERMENT OF WOMEN THROUGH ENTREPRENEURSHIP DEVELOPMENT AND SOCIAL AWARENESS

In developing countries like India, to divert women into entrepreneurship and to develop entrepreneurial qualities in young girls during their academic period, The Government College of Engineering and Research Avasari (Khurd) Ambegaon, Dist. Pune on September 11, 2018 arranged an one-day workshop "Empowerment of Women through Entrepreneurship Development and Social Awareness", sponsored by the Maharashtra State Women's Commission,



This workshop was organized for all interested students of Engineering, Polytechnic, Arts, Commerce and Science in the last year. In the workshop Dr. Kamal Vora, Senior Deputy Director and ARAI (Automobile Research Association of India) Academy Head, Pune was present as the Chief Guest. The chief guest said that being a successful entrepreneur requires skills, technical knowledge, business attitude and perspective. He appreciated the Government Engineering and Research College for various programs for women empowerment in college.

In the workshop Mr. Suresh B. Umap, Pune Regional Executive Officer, Entrepreneurship Development Maharashtra State Center, Shivajinagar, Pune created awareness about entrepreneurship. Financial, material and timely management are three points from the mother to the girls, so women can become successful entrepreneurs to be a successful entrepreneur, you need to have communication skills, oral sweetness and perseverance. Marathi people should not be able to run their business without being employed and need to be timely planning. Starting the new industry, it is necessary to set the goal of the industry. He also guided the different areas in the industry. He gave information about various government schemes implemented for women and for small and medium industries.

Successful women entrepreneur, Mrs. Charulata Uttam Bhakhe gave

information about the installation of Sri Krishna Agro Industries, Kadali, Junnar, the firm. He said that since ancient times male oriental culture in India, he raised the firm Sri Krishna Agro Industries, which has created many problems and made Pendi Powder.

Also Mr. Sunil Shete, Retired Divisional Coordinator, Maharashtra State Co-operative Agriculture and Rural Development Bank, gave guidance on getting loans for the bank for setting up new industries. Mr. Shete said that the industry needs to consider the four factors of manpower, money, technical education and marketing. Also, he gave information about various government schemes under Startup India.

In the last session, the Chief Guest and speaker of the farewell ceremony, Smt. Ad. Sadhana Bazar, Juridical Lawyers, Khed, Pune created awareness about women's rights, legal rights and prevention of exploitation of women.

In this workshop, Colleges like Annasaheb Awate College, Manchar, B. D. College, Ghodegaon, Jaihind Engineering College, Kuran, Samarth Engineering College, Belhe, Sahyadri Valley Engineering College, Aalephata etc., together with 92 students made an impressive participation.

Dr. D.R .Pangavane (Head of the Automobile Department) was acting as Project Officer for the workshop,, Smt. P.B. Pimplkar was Convenor, Mr. S.D. Patil and Mr. A.J. Bhosale, (Assistant Professor Automated Department) worked as Coordinators for the workshop. Dr. Avinash Pant, Principal of the College, guided the program successfully, and congratulated the project officer and Faculty member of the automobile engineering department for successful organisation of the program.



स्वच्छता मोहिम

शासकीय अभियांत्रिकी व संशोधन महाविद्यालय, अवसरी खुर्द येथे महात्मा गांधी यांच्या १५० व्या जयंती जन्म शताब्दी निमित्त स्वच्छता पंधरवड्याची १३ ऑक्टोबर २०१८ पासून सुरवात झाली.

स्वच्छता मोहिमेबाबत मा. प्राचार्य डॉ. ए.एस.पंत यांनी सांगितले की, "महाविद्यालयात पुढील पंधरा दिवस स्वच्छता पंधरवडा मोहिम साजरी करण्यात येणार आहे. या स्वच्छता मोहिमेमधून सर्वांनी प्रेरणा घेऊन आपल्या महाविद्यालयाची स्वच्छता राखली जाईल याची काळजी घेतली पाहिजे".

स्वच्छता मोहिमेत महाविद्यालयातील अणुविद्युत, यंत्र, स्वयंचल, उपकरणीकरण, संगणक, स्थापत्य ह्या सर्व विभागातील परिसर स्वच्छ करण्यात आला. तसेच प्रशासकीय इमारत, ग्रंथालय, कर्मशाळा, मुलींचे व मुलांचे वस्तीगृह इ. लगतचा परिसर स्वच्छ करण्यात आला. त्यानंतर सर्व अधिकारी, कर्मचारी व विद्यार्थी यांनी आपआपल्या विभागांची स्वच्छता केली.

स्वच्छता मोहिमेमध्ये मा. प्राचार्य, अधिकारी, कर्मचारी व विद्यार्थी यांनी उस्फुर्तपणे सहभाग घेतला. तसेच राष्ट्रीय सेवा योजना (N.S.S.) च्या विद्यार्थ्यांनी स्वच्छता मोहिमेमध्ये सहभाग घेतला. स्वच्छतेचे काम पूर्ण झाल्यानंतर महाविद्यालयातील सफाई कर्मचाऱ्यांचा मा. प्राचार्य डॉ. ए.एस.पंत यांच्या हस्ते सत्कार करण्यात आला.

सदरील स्वच्छता पंधरवडा मोहिमेचे समन्वयक म्हणून जिमखाना प्रमुख अधिकारी डॉ.एन.पी.फुटाणे यांनी काम पाहिले.



TRAINING AND PLACEMENT CELL

Pool Campus/Incampus drives were conducted till May 2019. The results of following companies are expected: E-zest, Volkswagen, Webonise Lab-Pune, Magicrete Building, Amazon, Labournet, Tata Technologies, Capgemini, Powergrid India, Bitwise, Harman A Samsung Company, Bridgestone, Samsung R&D, Global Logic, Jaro Education, 3DPLM, IBM, Fox solutions, Wavenet Corp, ATOS Syntel Pvt. Ltd, Mahindra Tractors.

Sr no	Activity	Date	Industrial Persons	No of students and branches selected . CTC
01	Barclays Pune	01/09/2018	Pool campus. Online Test	CTC 4.4L. 2 (comp) were selected
02	M/S Bizsense Solutions Pvt Ltd BE (Comp & EnTC) 86 Students appeared for paper pen test.	28/09/2018	Mr. Praful Jaiswal	CTC 3.87L. 1 Comp. 1 EnTc students were selected
03	TCS All branches	13/11/2018	Online test in pool campus	CTC 3.37. 14 students (10 Comp, 2 EnTC, 2 Auto) were selected.
04	Wipro	9/12/2018	Pool campus Ms. Pamita Chakraborti	CTC 4L 2 (computer) got offer.
05	PRATIAN TECHNOLOGIES, Bangalore	24/12/2018	. Pool campus	Comp, Instru, EnTc branches CTC 4L.
06	Tudip technologies	26/12/2018	Mr. Mangesh Shinde	CTC 3L 4 (Comp) were selected
07	Cognizant After online test and interview rounds 8 students were selected.	30/1/2019 AI based Proctoring test	Pool campus	CTC 3.38L . 7 (Computer) 1 (mechanical) got offer.

08	Infosys -SPP University initiative	15/2/2019 7/3/2019	Mr. Lalit Pawar. Pool campus online test.	CTC 3.6L. 6 (comp, auto electronics got offer)
09	Mindstix Placement Drive BE(Comp & E&tc) 70 students participated in paper-pen programming test-I. 9 were shortlisted for programming test-II . 4 were shortlisted for Programming cum Interview round.	25/02/2019	Mrs. Sucheta.	CTC 3.6L 3 (Comp) got offer letter
10	Growel , Dhaone, Khed Mech Branch . 3 were shortlisted from June 2018 pass outs.	28/2/2019	Mr. Rajendra Kamble	CTC 2.4L. 2 (Mech) got offer
11	IonExchange Campus Drive BE(Mech, Instru & E&tc) 60 Student appeared for GD round. 18 Students appeared for interview round.	01/03/2019	Shri. Vivan Biswas	CTC 2.4L. 3 From Instru and 1 EnTc were selected
12	Prorigo Software Pvt Ltd Pune BE(Mech, Comp, E&TC). 36 students appeared first paper pen test round. 13 students were selected for interview round.	05/04/2019	Mr. Kishore Kumar and team	CTC 2.5L for 6 months. CTC 3.6L after 6 months. 3 (Comp) 1 EnTc were selected

Training / Workshop

In order to increase success rate in aptitude tests, Group Discussions, Personal Interviews, communication skills training is very essential. In institute following training programs were arranged.

Sr no	Activity	Date(s)	Name of expert faculty- Company	No of beneficiaries
01	Three Days Training Program on "Metrology & Calibration - Industry Perspective"	06/10/2018 to 08/10/2018	Shri. H. N. Patil.	TE (MEch)st63 student
02	Aptitude , Interest & Personality Test by FUEL NGO Pune. A free test was conducted by the organization. Based on the reports, training modules are planned for 2019-2020 and further.	20/02/2019 to 21/02/2019	Mr. Prashant Mandlik. FUEL NGO Pune	TE & BE (All Branches) 70% (614 Students) students appeared for self assessment test. Got 17page report.
03	One Day Workshop on Industrial Automation	26/02/2019	Mr. Bhawesh Singh. M/s SOFCON Pune	TE (Mech & Instru) 57 students
04	TCS National Qualifier Test (TNQT) & Common Corporate Qualifier Test (CCQT)	28/2/2019	MOU with AICTE. Online registration of students	Registration of students unknown
05	Two Day Training on Employability Related Training Program by FUEL NGO Pune	18/3/2019 to 19/3/2019	Shri. Amar Shinde. FUEL NGO Pune	TE & BE (All) 102 Students attended the free training program.

Sr no	Activity	Date(s)	Name of expert faculty- Company	No of beneficiaries
06	One Day Training by on HVAC	25/03/2019	Shri. Bhavesh Singh & Shri. Kukade. M/s SOFCON, Pune	TE & BE (Auto & Mech) 90 Students
07	Three Day Training Program on NSDC Approved Industrial Automation (PLC & SCADA)	18/3/2019 to 20/03/2019	Shr Shri. RakeshChoudhari Shri. Ramesh Waghchaure. M/s Prolific ProlifiRakeshChoudhari	TE & BE (Auto & Mech) 46 Student

Expert Lectures

In order to increase technical competencies, interdisciplinary expert lectures were arranged for students of various departments on various topics. The various topics were: Introductory session on managing anxiety, Automation applications, Pneumatics and automation, Automation in packing industry, Hyperworks- FEM, Automation demo using kits, MatLab- Campus wide license, E Learning Awareness ,Life skills,Geometric Dimensioning & Tolerances, Career opportunities in MKCL ,Start up and opportunities in future by incubation centers, Opportunities for fresher through innovation center, DFMA software demonstration, Smart Manufacturing

Internships

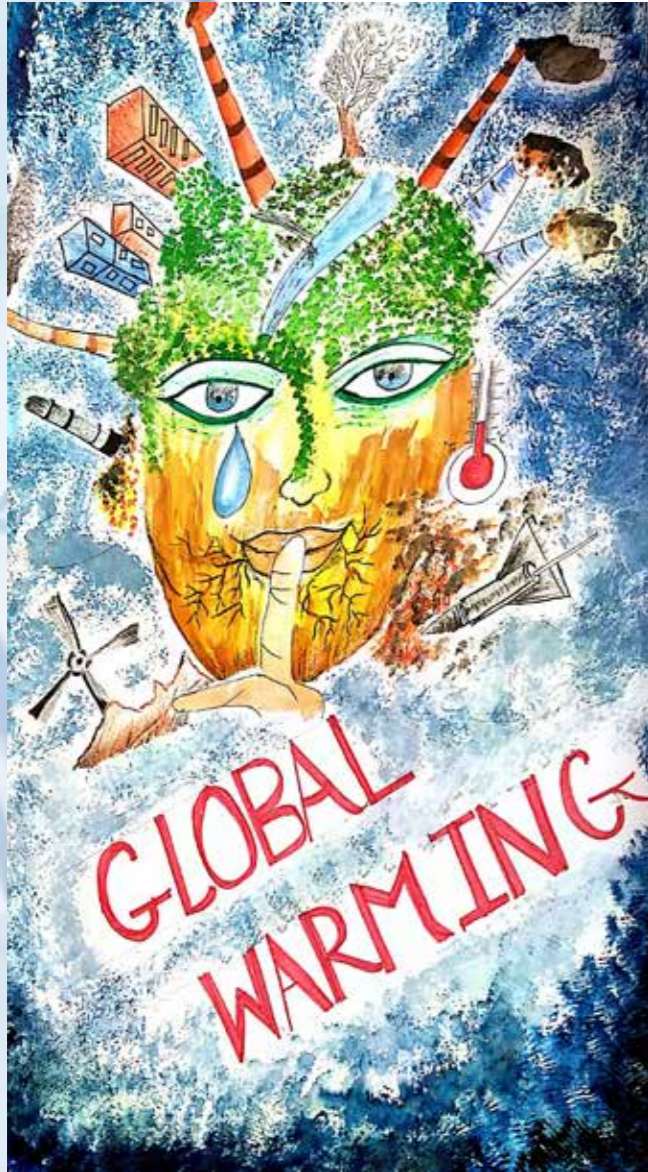
Students, of FE to BE are encouraged to join In Plant training/ Internships in various companies/organizations/Govt. offices . Some of them are , RCF- Thal, Puja Seals Bhosari, Siemens, Bosch Nashik, Mahindra and Mahindra Nashik, Mumbai Metro, Central Railway, Nagpur, WCL- Chandrapur, Forbes Marshal -Pune, JSW Steels, Raigad, Acumen- Turbhe, PWD Yawatmal.

Apart from above mentioned activities, departmental faculty coordinators of Training and Placement cell have arranged expert lectures, training programs in their department.



ART SECTION

ART SECTION



Deepti Borawake

Vaishnavee Upasani



Vaishnavee Sathe



Prita Ghosh



DEPARTMENT REPORTS

DEPARTMENT OF APPLIED SCIENCES

Applied Sciences Department bridges a gap between basic sciences and engineering technology. This department takes care of First year as well as second year engineering subjects like Engineering Mathematics I, II and III, Engineering Physics, Engineering chemistry and Soft Skills/Employability Skills Development.

The department has total 06 full time teaching faculties:

- 1) Dr. U.S.Kakade, Associate Professor in Physics as well as Head of Department and First Year Coordinator. He also works as a Member of College Development Committee as per Maharashtra University Act, 2016 and In-charge of ARC.
- 2) Smt. H.H.Rakshe, Assistant Professor in Mathematics. She also heads Women Grievances Redressal Committee.
- 3) Smt. P.V.Damre, Assistant Professor in Chemistry. She also works as a Member of College Magazine Committee
- 4) Smt.Y.N.Chaudhari, Assistant Professor in Physics. She also works as an Assistant Rector of Girls Hostel and Member of Women Grievances Redressal Committee.
- 5) Shri. M.D.Panchal, Assistant Professor in English. He also works as Programme Officer of NSS, Coordinator of Unnat Bharat Abhiyan, Assistant Rector of Boys Hostel and Member of Student Counseling Committee.
- 6) Shri.V.P.Jadhav, Assistant Professor in Chemistry. He also works as a Member of Water Supply and First Year Coordination Committee.

Department has 03 non teaching staff:

- 1) Smt.A.S.Kharat, Non technical Laboratory Assistant.
- 2) Smt.S.D.Neela, Non technical Laboratory Assistant.
- 3) Shri.B.J.Bade, Laboratory Attendant.

Earlier, there were two Laboratory Attendants in this department but Smt.Y.B. Kamble got promoted as junior clerk and now working in the College Office.

In current academic year not only faculty but staff members of this department also completed various courses. Dr.U.S.Kakade completed one week FDP on Optimization Techniques in Engineering from NITTTR, Chandigarh. Smt. H.H.Rakshe completed one week online FDP on Foundation Program in ICT for Education from IIT, Bombay and attended one week FDP on First Year Induction Program at Lavasa, Pune. Smt.S.D.Neela completed one week Ujalni Program from Rameti, Pune.

In current academic year 2018-2019 the department organized following programs for First Year students.

- 1) Welcome program for newly admitted first year students.
- 2) Induction program for newly admitted first year students

- 3) Health Check up of all FE, DSE and Hostellers.
- 4) Physical Education Scheme of Savitribai Phule Pune University.
- 5) Spoken Tutorial courses like LINUX & LATEX for all desired first year students.
- 6) Parents Meet.

Apart from regular teaching learning activities, Applied Sciences Department faculty and staff is associated with activities like 1) ARC for Engineering, Pharmacy, MBA/MCA etc. 2) First year and Direct Second year admissions 3) Annual Social gathering - RESONANCE 4) Annual Sports activity - COMBAT 5) Internal as well as University Examinations etc.

Faculty of this department always encourages First year students to participate in various co-curricular & extra-curricular activities like ROBOCON, GO KARTING, ABINITIO, BAHA, IAPT, NSS, Unnat Bharat Abhiyan and all sports & cultural events.

DEPARTMENT OF AUTOMOBILE ENGINEERING

The department of Automobile Engineering is started in the academic year 2009-10. Since from Nine year we are striving for continuous development of our department and with that effort now department is having full equipped Laboratories with almost all Teaching resources, also higher qualified Teaching and non Teaching staff. The department is committed for overall development of students which will help them to achieve top position of their career.

Infrastructure Status

- Total Laboratories = 08 + 01(CAD Lab),
- Total Classrooms = 03 + 01(Drawing Hall),
- Total Staff-rooms = 04+01 (HOD Cabin)
- Seminar Hall = 01,
- Girls Common Room = 01
- Boys Common Room = 01

Staff Position

- FE Intake= 60,
- Total Intake = 240,
- Total Teaching Faculties=10
(1 Prof. + 1 Asso. Prof. + 08 Asst. Prof.)
- Total Tech. Lab Assistants = 04
- Total Auto Technician = 03
- Total Supporting Staff (Class IV) = 02

Achievements of Students

Students of our department are having good academic excellence. The students are able to hold ranks in University Examination. For Academic Year 2015-16 Patil Satyajit Vijay hold 3rd, Avhad Nilesh Arjun hold 4th, Desai Sachin Kashinath hold 5th and Shinde Yogesh Gorakh hold 10th University Rank. Also for Academic Year 2016-17 Toke Madhuri Arun hold 1st, Chaudhary Rakesh Shantaram hold 5th and Bawane Rakesh Shantaram hold 8th University Rank.

Every year students have successfully qualified the GATE Exam. For GATE-2015, Dengale Vaibhav Ramesh, Wagh Vishal Vamanrao, Sapike Yogesh Gorakshanath, Solapure Umesh Sharanappa, Thorat Sonali Subhash and Karishma Mahajan were successfully qualified GATE Exam with All India Rank 9531, 10879, 13345, 25433, 25929, 25929 respectively. Also for GATE-2017, Lalge Shivaji Kashinath and Ugale Chaitanya Lahu have qualified with All India Rank 31942 and 40198 and for GATE-2018 Tushar Dattatray Thoke and Sumit Rajaram Yelpale have qualified with All India Rank 29829 and 35543, Amol Jadhav and Hemant Vaidya have also qualified for GATE 2019.

Higher Education and Placement

Many students from previous batches were preferred to go for higher studies. Magar Sameer Ashok from the class of 2016, Chakka Venkat Siva Kanna and Bhiram Suresh Kumar from the class of 2016 has secured admission for M.S. (Mechanical Engineering) at Rochester Institute of Technology, New York. Students were also placed in reputed companies like Infosys, Volkswagen India, Chakan, M/s.Guru Meher Automobile, Mumbai, Opulent Infotech Pvt Ltd L-Cube, Shrinath Automotive Tata Authorized Workshop.

Students Placement for Academic Year 2018-19

Sr. No.	Name of Company	No. of students
1	Infosys	01
2	Volkswagen India Private Limited	03
3	Mahindra and Mahindra	01
4	Mahindra Farm Equipments Sector, Farm Division, Pune	06

Industry sponsored project... (Academic Year, 2018-19)

For final year project, students have got sponsorship from various Industries. Tabulated details are as follows

Sr. No.	Name of Company	No. of students
1	Carraro India Pvt. Ltd.	08
2	CIRT	04
3	KSPG Automotive Indai Pvt. Ltd.	04
4	Infinity Automation system Pvt Ltd	04
5	Machine Reconditioner Pvt Ltd	04
6	Kulswami Motor	04
7	e-Yantra (Association with IIT Bombay)	04

Departmental Organized Programme:

This Department is always trying to organize socially beneficial and technically advantageous programs to bring social awareness among students and to make them technically competent. With that perception in mind for 2018-19 Department has organized one day workshop on "Women Empowerment through Entrepreneurship Development and Social Awareness" with specific objectives in mind e.g. Create an awareness of the need and importance of entrepreneurship, To aware about promotional, financial and regulating schemes of Government/MSME, To develop various businesses related skills of marketing, quality management production, distribution and human resource management etc.

For the same year department has also organized one week training programme on "Recent Scenario and Future Trends in Automotive Industry" during 17 December to 21 December 2018. Beneficiaries for this programme are Students, Teaching Faculty members from Government, Government Aided Engineering

Colleges and Polytechnics of Maharashtra State. Various topics were covered under this programme e.g. Present scenario and recent trends in Automobile Engineering ,Modern Engine Technology , Vehicle Maintenance and diagnostics, Modern Electronics control Systems in Passenger cars,Alternative Fuels: Future scope for sustainable Development ,Emission and Emission control systems and norms ,Environment friendly Electric Vehicles , On Road Vehicle Testing and Certification, Motor Vehicle Acts delivered by the delegates from various industries like Dr. Kamal Vora (Sr. Dy. Director and Head, ARAI Academy, Chakan), Dr. Walke N., (ARAI, Pune), Debesh Rath (Carraro India Pvt. Ltd. Ranjangaon, Pune), Dr. Sanjay Nibandhe (Dy. Director and Head Operations, ARAI Chakan), Mr. Desai Manoj, ARAI, Pune, Mr. Rakesh V. Mulik Power Train Engineering, ARAI, Pune), Mr. Shailesh B. Sonawane, Power Train Engineering, ARAI Pune, Samir Sattigeri (CIRT, Pune) , Mr. Neelkanth V. Marathe (ARAI, Pune).

Industrial Visit, Expert Lectures and Workshops

To enhance practical knowledge of students we are regularly organizing Industrial Visit, Expert Lectures and Workshops. For Academic Year 2018-19 Industrial Visits were organized at various Industries e.g. Infinity Automation System Pvt. Ltd. Thathawade (Pune), Don Bosco ITI Chinchwad, pune and Bhimashankar Sakhari Sakhar Karkhana,Pargaon Tarfe Awasari, pune.

Extra- curricular activities

Students of department are not only having the Academic Excellence but also participated in National level Technical events like BAJA, GO KART, Tractor Design and ROBOCON. They also performed well and got Prizes in Sport and Culture events.

Students have been participating in various vehicle designs and manufacturing competition. "Team phalanx" has participated in the go-karting competitions for A.Y. 2018-19. The Team has Won 2nd prize in Drag Race and got overall 3rd raking among 42 participants from different colleges in Maharashtra in Zeal drag go-karting design and manufacturing competition organized by zeal institute of technology, Pune. Also Won 3rd prize in autocross event in Auto India Racing Championship 2019 (AIRC). Team has captain Vaibhav Patil and Dinesh Bodhke with the team members Niranjana Gadade, Akash Babar, Sanket Dongare, Akash Pangare, Vinayak Deo, Abhinay Patil, Ashwajeet Ingole, Sachin Varade, Omkar Pote, Manoj Ghawate, Siddharth Gayake, Shalaka Meshram, Priyanka Erande, Neha Chakkar, Smita Kasabe, Eknath Pawar, Janak Kharabhajane, Kunal Thok-Paitl, Shrish Deshmukh, Abhishek Kashid, Pratik Sutar, Anshu Yadav, Jayesh Vadhnere, Krishna Markad .

In this transition phase of industry, engineering students entering the Automotive Industry will need to be equipped with practical knowledge and design experience in electrification of automotive vehicles. Electric Two Wheeler Design Competition 2019, organized by SAE India Southern Section tasks the students to think,

analyse, design, develop, build, test and present in series of event. First of its Kind in India, the Competition ensures that Students gets a realistic 360-degree workplace experience. Team Electro Eagles, a group of 10 students from Automobile Engineering Lead by captain Sarvesh Ekande with his 9 colleagues Abhinay Patil, Suhas Jagtap, Pooja Gaikwad, Ganesh Patil, Ashwajeet Ingole, Tukaram Chavan, Ajay Mahale, Siddharth Gayake had represented institution in this national level competition and successfully completed the given task with winning prizes in the competition. The competition was in held at BIT, Sathyamangalam, Tamil Nadu. The competition consist of various events like virtual presentation, Technical Inspection, (manuverability) On-Road Testing of vehicle, range test, business model Etc. Team got 3rd prize in best manuverability i.e. on road vehicle performance with AIR 13 among 89 teams from all over india.

Prathmesh Vaibhav Khisti student of Third Year, Automobile had participated and presented two review papers under SPPU sponsored national conference on "Recent Trends and Innovations in Engineering Science and Technology" which was held at Sinhgad Institute, Pune on 14 th and 15 th February 2019. The topic of his review paper were 1) Why BS6 ? 2) Review on Dubai construction for betterment of Indian development. Both Review paper published in international journal "IJMTE, Volume 9, Issue 2, February 2019 (Issn No. 2249-7455)

Students are also enrolled and registered for online trainings and examination such as NPTEL and Spoken Tutorial. Spoken Tutorial is a multi-award winning educational content portal managed by Indian Institute of Technology, Mumbai. Here one can learn various Free and Open Source Software all by oneself. For 2018-19, 100% students from each class (SE, TE & BE) have enrolled for this Tutorial and 99% students have qualified the Examination.

Students are not also lagging in Sport and Cultural activities. For Resonance 2018-19 students of this department were worked under different portfolio and got various prizes e.g. Prathmesh Khisti (Cultural Secretary), Alok Swami (Discipline Team), Devendra Bhagat (Decoration Team), Sanket Gaikwad (Decoration and Management Head), Vishal Gadekar (Drama Runner Up), Mukul Kedar (Dance Runner Up), Kaustubh Bharti (Singing Runner Up), Pooja Gaikwad (Poetry Runner Up).

Students also got prizes under Combat for different events like Volleyball, Table Tennis, etc

Photo Gallery



One week training programme on “Recent Scenario and Future Trends in Automotive Industry” during 17 December to 21 December 2018



Industrial Visit at Don Bosco ITI Chinchwad, Pune



Electric Two Wheeler Design Competition 2019



Conference “Recent Trends and Innovations in Engineering Science and Technology”



Go Kart

DEPARTMENT OF COMPUTER ENGINEERING

Computer Department has always been striving for the betterment of our students. We help our students gain the latest technical knowledge & skills by providing them with the best teaching faculty, state-of-the-art lab facilities and excellent research and development environment. The motivation is not just to nurture their technical skills but also to provide professional grooming and guidance so that our students come-up as thorough professionals and inspiring individuals. To meet the objectives the department pays special emphasis on teaching and hands on practical work.

To impart knowledge of IT industry, our department had arranged expert session on 'Machine learning' by , Raju Kulkarni, senior software developer, Capgeminy, Machine Learning, on 7th July 2018. Shri Amit Patil, CS,IIT Bombay has conducted session on "How to Crack GATE examination" which inspires lots of students.

Department has vibrant student group named Hackathon where they hone their skills to participate in national and international level coding competitions. In SIH2018 total of 05 teams from department have taken participation out of which two teams were selected in SIH finale. One team won AICTE award in finale. Department is proud to say that total 51 students have been placed in various IT industries for academic year 2018-19. Annual package range is from 3.5Lkh to 7.3Lkh.

Apart from educational qualities, students also possess extra-ordinary talent in extra-curricular activities. Computer department always works towards enhancing these qualities in its students. Special days & Resonance are some of the events where students displayed their talent. Abinitio helped students display their technical qualities & their leadership skills. Our students won various laurels in the COMBAT. Our students have reached at great heights in Kho-Kho, Volleyball, and Football.

Department had arranged industrial visits to imbibe the industry culture in the students, to make them aware of the state-of-the art technologies used in industry, to understand expectations from students by industry, and their recruitment process. The final year students were taken to Indian Institute of Tropical Meteorology (IITM), Pune. They were briefed about IITM's contribution in the field of High Performance Computing with respect to Weather Forecasting.

They also were provided an opportunity to see one of the best Super-Computers in our country.

Lastly I wish best of luck to all students of final year. Believe in yourself! Have faith in your abilities! Only the sky is the limit. Follow your dreams and success will be yours..

DEPARTMENT OF CIVIL ENGINEERING

PART A- Activities by the faculty are as follows

Dr. W.N. Deulkar

- He is recognized PG / PhD GUIDE in Civil Engineering for SPPU,
- He is coordinating the civil related activity and repair work in the college campus with authorities of PWD
- He has worked as member of the SQAD for malpractices, subject expert, examiner, etc for the examinations held by SPPU during the year.
- He worked as a co-coordinator for RESSONANCE 2018, Cultural activity of the institute held on 11.01.2019.
- He attended workshop on “e-governance for institutional developments” at YASHADA during 28-30.03.2019.
- **He presented the following research paper**
 1. Deulkar W N and S M Ngargoje, (2018), “Comparative Study of Concrete with Natural Sand and Artificial Sand”, at Jayhind College of Engineering Kuran.
 2. Deulkar W N and U.T.Jagdale, (2018), “Structural Health Monitoring using Piezo-Ceramic Smart Material” International Conference, University of Paradenia, Shrilanka.
 3. Deulkar W N and U.T.Jagdale, (2019), “Experimental Investigation for Damage Evaluation of Bridges using Piezo Transducer” International Conference, IIT Gandhinagar, 5-7 March 2019.
- He has organized the one day workshop on “Concrete and its handling” for Civil Engg Students on 21.09.2018.
- He attended and Chaired the session of 5th PGCON-2018 for SPPU held on 11-12.06.2018.
- He attended and Chaired the session of international conference (FUTURA 2019) held at RSCOE, Pune on 22-23.02.2019.
- He has organized the site visits to RMC plant at Khed to prepare and study fresh concrete.
- He has undertaken the consultancy of worth more than Rs 2 Lac for Civil related Work, like as structural audit of building, third party audit for water distribution schemes for Zilha parishad Pune and Panchayat Samittee at Junnar, Ambegaon, Khed, Shirur, Maval

As a in charge of Head of Department, Activities of year are as follows.

- Organized the Alumni meet on 16.03.2019
- Teacher day on 05.09.2018 on birth ceremony of Dr Sarvallipalli Radhakrishna.

- Motivated the students for participation in NCC, NSS, tree plantation, blood donation camp, students health check up etc.
- Students of Civil Engineering department actively participated in RESONANCE 2018 (Annual Social Gathering), COMBAT 2018 (Annual Sports Activity) Students are participating in GATE exam.
- Motivated the students to participate in co-curricular activities, to take good and sponsored projects and presents the work at different levels.
- Students motivated to Participate in Commutative Exam.

Dr. S.B.Kharmale

- Dr. S. B. Kharmale has coordinated the IIT Bombay Spoken Tutorial for SE TE and BE Civil students on various Free and Open Source Softwares (FOSS) like “GEDIT Text-Editor” and “LaTeX” in first term of Academic Year 2018-19 and “Blender” and “Linux” in second term of Academic Year 2018-19.
- He has delivered an expert lecture on “Design of Gantry Girder” for Pre-final Year Civil Engineering Students of Pimpri Chinchwad College of Engineering & Research, Pune.
- He has also chaired the session in an International Conference "Futuristic Resilient and Smart Urban Development"(FUTURA-ICON 19) at JSPM's Rajarshi Shahu College of Engineering, Pune during 22 and 23 February 2019.
- He also worked as committee member for inspection committee of pharmacy institute by Regional Office of DTE Maharashtra..
- He published 01 research article in an International Journal and 03 research articles in 16th Symposium on Earthquake Engineering (National Level symposium) held at IIT Roorkee in Dec-2018.
- He also participated in one week AICTE-ISTE sponsored FDP on Digital Skills for Professional organised at Government College of Engineering,,Chandrapur. He also rendered his expertise for consultancy services offered to various departments of Maharashtra Government .

Dr. D.J. Regulwar

- Dr. D.J. Regulwar Joined the department on 01 Aug 2019.

Dr. M.G. Shaikh

- Dr. M.G. Shaikh Joined the department on 11 June 2019.

PART B - Number of academic activities were carried out in the department during year 2018-19. Details of some of them are as below -

- SITE VISITS

Sr. No.	Activity	Date	Name/s of Expert faculty and Supporting Staff	No. of beneficiaries
1	Site Visit by TE & BE Civil Students at NICL Pune / Metro Pune	19-09-2019	Dr. S.S.Valunjkar and Mr. S. S. Gurav, Ms. A. R. Joshi	All TE & B.E. (Civil) Students
2	Site Visit to Ready mix plant,at Khed Pune for S.E. (Civil) Students	19-04-2019	Dr. S.B. Kharmale and Mr. S. S. Gurav, Ms. A. R. Joshi	All S.E. (Civil) Students
3	Site Visit to Waste water plant, Pune for T.E. (Civil) Students	04-04-2020	Dr. W.N. Deulkar and Mr. S. S. Gurav, Ms. A. R. Joshi	All T.E. (Civil) Students

• Testing and Consultancy: Faculty and supporting Staff of Department has provided the Testing and Consultancy in nearby area for worth Rs. 9.54 Lakh.

• EXTRA CURRICULAR ACTIVITIES

Sr. No.	Name of Students	Class	Achievements
1	Yashodhan Chavan	TE	<ul style="list-style-type: none"> • 2nd rank in COEP impressions streetplay. • 4th rank in university rifle shooting sport. • Completion of 5km national sea swimming.
2	Shivani Kailas Ingole	FE	• Miss fiesta 2019
3	Shashikant Khurange	SE	• Co-coordinator in green club Maharashtra Forest Dept.
4	Shailesh Shinde	TE	• 2nd Price Kho - Kho
5	Dheeraj Patil	BE	<ul style="list-style-type: none"> • Techfest IIT Bombay • E - summit IIT Bombay • SPPU Center of innovation organized i-2-e cluster level competition at Symbiosis college of commerce
6	Anurag Mishra and Omkar Patil	TE	<ul style="list-style-type: none"> • Participated in Infovision poster competition organized by PCCOE & Quality circle, Pune • Technovanza VJTI, Mumbai • Mindspark COEP, Pune

Sr. No.	Name of Students	Class	Achievements
7	Rameez Raja		• Own 1st prize among 15 entries at Techn-spark Jaihind college Junnar, Pune

Also students of Civil Engineering department actively participated in technical challenges such as "ABINITIO 2018". They also participated in RESONANCE 2019 (Annual Social Gathering), COMBAT 2019 (Annual Sports Activity).

PART C - ABOUT THE DEPARTMENT

The department is continuously striving hard in giving maximum academic inputs to students by arranging expert lectures, workshops by industry personnel and planning industry visits. It is also constantly motivating students for participation in co curricular and extra curricular activities.

• List of Class Representative :

Class	Toppers
FE Civil	1) Krushna Maharavar 2) Vikas Shinde 3) Ketan Karaval
SE Civil	1) Vaishnavi Todkari 2) Gauri Swami 3) Shubhangi Pawar
TE Civil	1) Vaishnavi Wagh 2) Vishal Hajare 3) Akashay Mane
BE Civil	1) Pallavi Nimbalkar 2) Bhakti Kharmale 3) Devade Mangesh

• Some Photos of Industrial Visit:



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Students Achievements

A. Campus Placement 2018-19

Sr. No.	Name of Student	Company	Package
1	Shivani Satish Panwal	Infosys	3.6 LPA
2	Karangale Akash Suresh	TCS	3.36 LPA
3	Vetal Nilesh Hanumant	Prorigo	3.6 LPA
4	Bhujbal Rutuja Vishnu	TCS	3.6 LPA
5	Gorde Girish Jaysing	Infosys	3.6 LPA
6	Kalyani Suraj Rajkumar	Infosys	3.6 LPA
7	Mali Seema Subhash	Infosys	3.6 LPA
8	Mishra Pankajkumar Shambhunath	Infosys	3.6 LPA

B. Gate score:

Sr. No.	Name of Student	GATE Score
1	Vetal Nilesh Hanumant	25.00

C. Rohini Rambhau Munghate- Winning team member of Ignited Innovators of India Techno Sosial Project 2018-19 " Competition

D. Sports

Sr. No.	Sport Event	Winning Team/Name of Student
1	COMBAT 2018-19	
	Kabbadi Boys	Winner E&TC
	Kabbadi Girls	Winner E&TC
	Kho-Kho Girls	Runner Up E&TC
2	Kho-Kho Competition at VIT	Winner Dipti Lode (BE E&TC) Team member winning Team
	IIT Bombay	Runner Dipti Lode (BE E&TC) Team member winning Team

Faculty Development Program

FDP on "Advances in Internet of Things" arranged at GCOEARA

A one-week FDP on "Advances in Internet of Things" was jointly organized by E&TC and Instrumentation department at GCOEARA during 28/1/2019 to 1/2/2019. Mr. Sunil Rajput, (Managing Director Accenture, Pune.) inaugurated this Faculty Development Programme (FDP).

FDP Coordinator Dr.M.S. Nagmode and Dr.M.R. Bongulwar outlined and explained the purpose of this FDP. The chief guest of inaugural function Mr. Sunil Rajput, said that the coming period will be of Internet of Things and inform about the progress and advancement in IOT.

In this one week's program Mr. Rahul Gupta (Managing Director of Intellect Technologies) , Mr. Vinod Joshi (Senior Director of Forbes Marshal Pune), Mr. N.L. Bhale (Assistant Professor of Matoshree Engineering College, Nashik) , and Mr. Sandeep Shroff (Chief Executive Officer of Auto Intel) have given different expert sessions on Advances in Internet of Things .

In this FDP, the latest updated technology of the Internet of Things (IOT) and how it is being used in every area of the world (control of industrial, medical, military, aircrafts, home appliances, electronics etc.) was discussed. You can control things from all over the world through the Internet of Things. During this program, the professors visited Robotics Research and e- yantra Lab in the college. The students shared their experience and achievements with the participants.

Directorate of Technical Education, Mumbai sponsored this FDP. Faculty from the various government as well as government-aided engineering colleges were present for this programme. Dr. Avinash Pant, Principal GCOEARA gave his valuable guidance for conducting this FDP. Dr .M.S.Nagmode and Dr.M.R. Bongulwar worked as FDP coordinator and Mr K.H. Kowdiki and Dr. N.P. Futane worked as co-coordinator.

DEPARTMENT OF INSTRUMENTATION AND CONTROL

Instrumentation and Control Engineering department has been established in the year 2010. It has grown to a large extent in these years. Department is committed to impart best technical education in the field of instrumentation. Our department has well-equipped laboratories like Sensor and Transducer lab, Process Control lab, Analog and Digital Electronics lab, Embedded system lab & Computer lab. In this academic year two faculty viz one professor and one Associate Professor (CAS) have joined by regular transfer. Now the department has Ten regular, highly motivated and devoted faculty members along with four technical non-teaching staff and two supporting staff. One of the faculties, Smt. N. P Wagh has been deputed to COEP for his research work under QIP.

The students of our department have shown their sportsmen talent by participating and winning various events in the Annual Sports meet organized by our college i.e "Combat '17" and "Zest matches" at COEP, IIT Mumbai and VIT Pune. Students participated enthusiastically in the annual cultural program "Resonance 2017" and in "Bhimashankar Karandak".

Miss Aditya Lalge, Miss Pranjal Baravakar and Miss Pallavi Ratnaparkhi represented our college Kho-Kho team at IIT Mumbai, VIT Pune and COEP ZEST and are the winner at all three events. Also Aniket Ingale, Sumit Mane and Vedant Dhanvate are the winners in the Badminton event. Miss Vaishnavi Khobragade and Miss Prajakta Patil are the Badminton winners at COMBAT 2K19.

Ten students took the part in Bhimashankar Karandak and are the part of Winning team of College. In the college annual cultural, many students took the part in various activities and grabbed the prizes. It includes Best Students Award by Saurabh Shinde, Best Speech by Satyajee Nalawade, First prize and Solo dance by Miss Ashwini Lomate.

Following students have been placed in the industries through On-Campus interviews.

Sr No.	Name of Student	Name of Organization
1	Mr.Thaware Shubham Bhausahab	Ion Exchange
2	Mr.Shinde Jivan Nanaso	Ion Exchange
3	Mr.Pole Rohan Panjabrao	Ion Exchange
4	Mr.Shradhha Kulkarni	Sigma TechnoCon Pune
5	Mr. Ganesh Pawar	Sheetal Wireless, Pune
6	Mr. Swapnil Thokawade	Sheetal Wireless, Pune
7	Mr. Ajinkya Manik Gurav	Sheetal Wireless, Pune
8	Mr. Kaustubh Kulkarni	PlanTech Chinchawad
9	Mr. Sharad Jadhav	PARI Pune
10	Miss. Namarta Kulkarni	Infosys Pune

In the technical sphere, students have shown their talent by an active participation in the college technical fiesta, E-Yantra, ROBOCON and Hackathon. Our students Rohit Bangal as a team Leader and Mr. Abhijit Gite as a team member secured National level tenth appreciation award on "Scheduled Power Management of a building " organized by Mitsubishi in the event ME Cup 2019 at Manavarachana Institute, Faridabad.

On the social front, departmental students have contributed to society through various activities under NSS. The department students association IACESA conducts various activities in the department. Industrial visits were arranged for students to National Chemical Laboratory, Pune and Pawana Hydro Power Plant. Four faculty members Dr. N. S. Nehe, Prof. S. R. Patil, Prof. Smt. D. B. Trimukhe and Prof. Smt. N. L. Patil have attended short term training programmes (STTPs) for the exposure to modern technology which helps them to deliver updated knowledge to the students. Dr. P. D. Shendge, Prof. Kowdiki and Prof. Smt. N. L. Patil published their research papers in various International Journal and National Journal whereas Dr. P. D. Shendge presented his paper in international Conference also. Department have organized one week training program (STTP) on "Advances in Internet of Things" during 28 Jan 2019 to 1st Feb. 2019 jointly with E&TC department. Department also organized three days workshop on "Programmable Logic Controller" from 21 Feb 2019 to 23 Feb. 2019. Mrs. Neelima Iyer, Sr. Scientist NCL Pune, delivered lecture on "Embedded Systems" whereas Mr. Chandrashekhar Dhamankar from Forbes Marshall and Mr. Omprakash Barure have delivered expert lecture on "Internship training program for category students and ISA Chapter".

To upgrade the departmental labs, department have purchased the sensors and equipments costing of 2.27 lacs in this academic year.

The entire faculty, staff and the students are working together for the betterment of the department.

DEPARTMENT OF MECHANICAL ENGINEERING

Department of Mechanical Engineering was started in the academic year 2009-2010. Since from Eleven years we are striving for continuous development of our department and with that effort now department is having full equipped is committed for overall development of student which will help them to achieve top position of their career.

During this year (2019-20) Dr. C. M. Shevatkar has joined as Associate Professor (CAS) in this department by transferred from College of Engineering Pune. Mr. B. A. Patil (Assistant professor) has been Pursuing Ph.D. from December 2019. Now the total teaching staff in the department is 10.

Dr. R. M. Warkhedkar and Dr. S. V. Karmare has been recognized to work as post Graduate Teacher & Ph.D. Research guide by savitribai Phule Pune University.

Infrastructure Status

- Total Laboratories= 13 +(1 Internet Lab, 1 Project Lab)
- Total Classrooms= 03 +01 (Drawing Hall)
- Departmental Library=01,
- Total Staff rooms = 4+(1 HOD Cabin, 1 Departmental Store Room)
- Seminar Hall=01,
- Girls Common Room=01,
- Boys Common Room=01,

Staff Position

- FE Intake=60
- Total Intake=252,
- Total Teaching Faculties=10,
(1 Prof. + 3 Asso. Prof. + 6 Asst. Prof.)
- Total Tech. Lab Asst=05
- Total Supporting Staff=02

A number of academic activities were carried out in department during year 2019-20. Details of some of them are as below -

Industrial Visit,

Sr. No.	Activity	Date	Name of Expert Faculty	Class/ Subject	No. of Beneficiaries
1	Industrial Visit at Bhimashankar Sahakari Sugar factory Pargaon Shingave	2/11/2019, 03/11/2019, 04/11/2019	Dr. S. A. Sonawane Mr. N. D. Padwale	FE All SME	150

2	Siddhivinayk Tyres Pune Nashik Highway Manchar	06/10/2019	Dr. S. V. Kshirsagar	BE Mech DOM	65
3	Parag milk foods pvt. Ltd Awasari fata Manchar	05/10/2019	Dr. S. V. Karmare	TE Mech Turbo Machines	65
4	Reliance Calibration Lab Singhgad Dhayari Pune	20/09/2019	Mr. J. M. Arackal	TE Mech	65
5	Rama Automobile Service Station Manchar	22/03/2019	Dr. S. V. Karmare	SE Mech Applied Thermodynamics	60
6	Industrial Visit at Bhimashankar Sahakari Sugar factory Pargaon Shingave	01/3/2019	Dr. S. V. Karmare	BE Mech Energy Engg	65
7	Pune Jilha Sahakari Dudh Utpadan Sangh (Katraj Milk Processing Plant Awasari Phata Manchar)	25/02/2019	Dr. R. M. Warkhedkar	TE Mech Refrigeration and Air Condition	65

T&P Activities carried out to enhance Recruitment

1	Internship	20.07.2019	Dr. S. S. Deshpande		58
2	FUEL Aptitude	16.09.2019	Dr. S. S. Deshpande		120
3	NBA	4.01.2020	Dr. Bandal V.		50

4	Rubicon Trainer TPO Training	06.01.2020	Mr. Ritesh		50
---	------------------------------------	------------	------------	--	----

Participation in inter-institute events by students of the program of study
Other Event during this Year-

Sr. No.	Name of the student	Title of inter-institute event	Type of Event/ Conference/ Seminar/ Workshop	Date of event
1	Sagar Wadhav	"DD Robocon - 2019' IIT New Delhi	Technical Event	16 June 2019
2	Prakash Shinde			
3	Ankit Ingle			
4	Pranjal Maware			
5	Prathamesh Nalawade			
6	Nikhil Jadhav			
7	Varsha Hanbar			
8	Kunan Pawar			
9	Aniruddha Wadkar			
10	Somesh Desai			
11	Harshwardhan Lokhande			
12	Jadhav Shrinivas	Design Competition at NMIET & NCER Campus, Talegaon, Pune	Technical Event	15th to 19th Feb. 2019
13	Jadhav Shrinivas	AIRC-2018 Season 2 PHALANX (Gcoera, Awasari) At- AIRC Wagholi, Pune, MH.	Technical Event	----- ---
14	Kaustubh Sankalp	"Participate in virtual round	Technical Event	09 to 15 July 2019.
15	Jadhav Shrinivas	SAE BAJA 2019 at Chitkara University Chandigarh		
16	Sarang Patil	9th-15th July 2019'		

Registration Process completed for 2020\

Sr. No.	Name of the student	Title of inter-institute event	Type of Event / Conference/ Seminar/ Workshop	Date of event
1	Suhas Gorakh Raut	"SAEINDIA- Technology Innovation Forum For Agricultural Nurturing (TIFAN) - 2020"		
2	Rutuja Tanaji Raut			
3	Sagar Wamanrao Wadhav			
4	Prakash Sakharam Shinde			
5	Shubham Sanjay Patil			
6	Akash Laxman Lahane			
7	Jyoti Prabhakar Khakre			
8	Rohini Dnyanendra Kulkarni			
9	Abhishek Vijaykumar Wadmare			
10	Ankit Pawan Pareek			





"SAEINDIA-Technology Innovation Forum For Agricultural Nurturing (TIFAN) "

Students Recruitment on Government/Private Job-

Sr. No.	Name of Student	Name of Department	Post	Date of Joining
1	Sukant Indukant Kadam	Directorate of Sport and Yuth Service, Maharashtra	Taluka Sport Officer, (Group B)	09/01/2019
2	Rohit Rajendra Jadhav	Riginal Transport Office, Pen, Dist Raigad.	Assistant Motor Vehicle Inspector (Group-C)	03/10/2019
3	Vaibhav Doulat Fapale	Riginal Transport Office, Malegaon	Assistant Motor Vehicle Inspector (Group-C)	13/09/2019
4	Prafful Kale		BDO	

Students apply for Higher Studies in abroad-

Sr. No.	Name of Student	Name of University	Pass out Year	Remark
1	Akshay Gaikwad	Rochesster University, Newyork.	2016	
2	Prutha Deshmukh	Cincinnati University	2017	

Sr. No.	Name of Student	Name of University	Pass out Year	Remark
3	Ashutosh Rotly	Cincinnati University	2016	
4	Rajkumar Patil	RWTH AACHEAN University, Germany	2016	

Student of our department are having good academic excellence. Every year student has successfully qualified the GATE exam. Many students from previous batches were preferred to go for higher studies. Students were also placed in reputed companies. Several Student of Mechanical engineering department actively participated in technical challenges such as Development of Onion Harvester by Tifan (Technology Innovation for Agricultural Nurturing), they also participated in RESONANCE 2019 (Annual Social Gathering) and COMBAT 2019. The department is continuously striving maximum academic inputs to student by arranging expert lectures, workshops by industry personnel and planning industry visits, providing internship it is also constantly motivation students for participation in co curricular and extra-curricular activities.

Thanks for reading
With regards from,

Dr. Rajendrakumar Anantrao Patil
Faculty Magazine In-charge

Mrs. Pratima Dambre
Asst. to Faculty Magazine In-charge

Sanjana Jadhav (BE Computer)
Student Magazine In-charge
Editor

Prathamesh Pathak (BE Computer)
Mukul Kadaskar (BE Computer)
Rutuja Jawale (BE Automobile)
Co-Editors Team