

**DEPARTMENT OF AERONAUTICAL
ENGINEERING**
(Newsletter-2024-25)

“AAROHAN”



GAIKWAD-PATIL
GROUP OF INSTITUTIONS

VISION

- *To emerge as a learning Center of Excellence in the National Ethos in domains of Science, Technology and Management.*

MISSION

- *To strive for rearing standard and stature of the students by practicing high standards of professional ethics, transparency and accountability.*
- *To provide facilities and services to meet the challenges of Industry and Society.*
- *To facilitate socially responsive research, innovation and entrepreneurship.*
- *To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices.*

VISION AND MISSION OF THE DEPARTMENT

VISION

- *To foster technically skilled Aeronautical Engineers of the utmost academic principles, to convene the needs of academia, industry and society.*

MISSION

- *Impart quality technical education and unique interdisciplinary experiences.*
- *Develop the analytical, computational and design capabilities to provide sustainable solutions.*
- *Expose the students to the current trends and opportunities in the Aerospace industry.*
- *Inculcate professional responsibility based on an innate ethical value system.*

PROGRAM EDUCATIONAL OUTCOMES

- *Under graduate students will acquire knowledge to investigate and solve Aeronautical Engineering problems using basics of applied science and engineering.*
- *Under graduate students will utilize the modern technology and techniques to explore new skills and ideas to satisfy the need of society as well as industry.*
- *Under graduate students will get finest employment opportunities in the field of Aeronautical Engineering.*
- *To develop the environment of societal and ethical values to concern with engineering issues.*
- *Under graduate students will contribute in the domain-specific and interdisciplinary research through the project based learning.*

PROGRAM OUTCOMES

- **Engineering knowledge:** *Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.*
- **Problem analysis:** *Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.*
- **Design/development of solutions:** *Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.*
- **Conduct investigations of complex problems:** *Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.*
- **Modern tool usage:** *Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.*

- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

List of Faculty Members



DR. KALPIT KAURASE
Head, Aeronautical Engineering
Department
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hod.aeronautical@tgpcet.com



PROF. VISHWJEET AMBADE
Assistant Professor



PROF. JONNA NARESH
Assistant Professor



PROF. SHRUTI GIRI
Assistant Professor



PROF. HIMANI HARPAL
Assistant Professor



PROF. MAYURI WANDHARE
Assistant Professor



PROF. SHRIKANT KATHWATE
Assistant Professor

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MESSAGE



DR. MOHAN GAIKWAD-PATIL
Chairman, Gaikwad-Patil Group

With more than twenty years of experience in education system to his credit, established the Gaikwad- Patil Group of Institutions in Nagpur to cater to the quality education needs of the youth in Vidarbha. His early experience of teaching in an engineering college made him acutely aware of the dissonance between engineering education in the country and the requirements of the industry. He therefore began with a dream of starting an engineering college that equips students with knowledge, skills and attitudes relevant to the industry. That dream has manifested today in the form of two engineering colleges, well known in the region for their constant striving to impart quality and industry-relevant education to their students. Hardly in his early forties, Dr. Gaikwad is the young and dynamic face of the Group. His contagious enthusiasm and unflinching drive is truly inspiring.



DR. P. L. NAKTODE
Principal

It gives me immense pleasure and pride in welcoming you to Tulsiramji Gaikwad-Patil College of Engineering & Technology, one of the rapidly growing institutions in Vidarbha, dedicated to fostering technical education in the region. The vision of our institution is to empower youths and to produce technically skilled manpower with very high moral values that are not only employable but are also capable of creating employment for masses. Our mission is to provide outcome-based education by providing all necessary inputs, facilities and environment to empower our students in all possible ways. We understand that co-curricular and extra-curricular activities help in enhancing ones personality. This institution provides an environment for nurturing these activities so that young men and women get an opportunity to upgrade their skills and show cases their talent. To strengthen the wings of our students we have dynamic and dedicated workforce. Tulsiramji Gaikwad-Patil College of Engineering & Technology is committed to employing, developing and retaining the best teachers.



Prof. Pragati Patil
Vice Principal

Albert Einstein said, "Education is not about learning of facts but training young minds to think." There is a big difference between cramming up facts and learning them so that they can be applied in productive ways. At TGPCET, we try to work towards holistic development of our students by providing them the tools and experiences that encourage our students to think. The aim is to create empowered minds so that students are able to decide what is good for them, differentiate between right and wrong, choose opportunities that help build them up and enable them to live in harmony with all existence. As the Vice Principal, I am delighted that the institute's values align with my own personal values, including the importance of trust, respect, innovation and a sense of community.

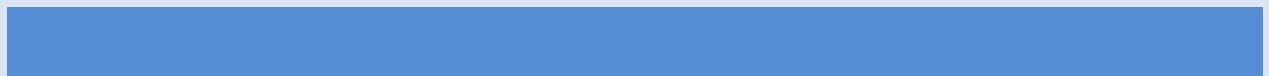
ABOUT TGPCET

Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) was established in the year 2007 by Vidarbha Bahu-uddeshiya Shikshan Sanstha (VBSS), a registered society. It is a self financed Private Engineering College, which is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU) Nagpur and is approved by All India Council for Technical Education, New Delhi. Also college is approved by Directorate of Technical Education (DTE), Mumbai, Maharashtra State. The Institute is Accredited with A+ (3.32 CGPA) by NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC). An Autonomous Institute affiliated to RTM Nagpur University, Nagpur.



ABOUT DEPARTMENT

The Department of Aeronautical Engineering provides in depth education & prepares its students for all the possible future career & developments in technology. Department has a fine blend of experienced as well as young dynamic enthusiastic personalities as faculty for providing quality education at both B.tech. (Aeronautical) and M.Tech. It aims to promote research and teaching activity based on advanced and well equipped laboratories meritorious students and academically qualified and enthusiastic faculty being the salient features of the Department.



FACULTY'S ACHIEVEMENTS

Dr. Kalpit Kaurase Completes PhD at Hindustan University



Dr. Kalpit Kaurase

August 2024: We are pleased to announce that Dr. Kalpit Kaurase from the Department of Aeronautical Engineering at TGPCET Nagpur has successfully completed his PhD at Hindustan University, Chennai, on July 23, 2024. His research focused on the "Experimental Investigation of Mechanical & Thermal Properties of Cellulose Nano Fiber Based Composite Materials." This achievement underscores Dr. Kaurase's dedication to advancing knowledge in composite materials and their applications. Congratulations to Dr. Kaurase on this significant academic milestone

STUDENT'S ACHIEVEMENTS

Saurabh Satpute Shines as Winner in Cyber Security and Forensic Competition



Saurabh Satpute, A student of TGPCET receiving certificate and award in cyber security and forensic competition organized by G.H. Raisoni, Jalgaon.

Jalgaon, March 2024: Saurabh Satpute, a student from the **Aeronautical Department at TGPCET**, achieved an impressive **3rd place** in the **Cyber Security and Forensic Competition** organized by **G.H. Raisoni, Jalgaon**.

Competing against top talents, Saurabh showcased exceptional skills in ethical hacking, digital forensics, and network security, earning praise for his interdisciplinary expertise.

This achievement highlights Saurabh's versatility and brings pride to TGPCET, inspiring students to excel across diverse fields. Congratulations to Saurabh on his remarkable accomplishment!

Aeronautical Engineering Students Secure 3rd Place in "Wast-o-Craft" Competition on Engineers' Day

September 19, 2024: On the occasion of Engineers' Day (19th September 2024), a team of 3rd-year Aeronautical Engineering students from TGPCET, Nagpur, proudly secured 3rd place in the "Wast-o-Craft" competition, organized by Tulsiramji Gaikwad Patil College of Engineering and Technology in Nagpur.

The talented team consisted of:

1. Mujtaba Aalam
2. Shree Dhotkar
3. Sagar Kardak
4. Yash Ambade

This unique competition encouraged participants to create innovative and sustainable crafts using waste materials. The TGPCET team impressed with their creativity and skill, earning a prestigious spot on the podium.

The achievement, celebrated on Engineers' Day, underscores the innovation and problem-solving spirit of TGPCET's Aeronautical Engineering students. It serves as a tribute to engineering excellence and the institution's emphasis on nurturing talent beyond academics.



Aeronautical engineering students receiving award and certificate on the occasion of engineers day

FORUM REINSTALLATION

Successful Reinstallation of "Aerocious" Forum at TGPCET, Nagpur

September 18, 2024: The Department of Aeronautical Engineering, TGPCET, Nagpur, successfully reinstated the "Aerocious" Forum on 18th September 2024, in the presence of Chief Guest Mr. Ujwal Babel (Aviation Management and SMS Manager, AAR Indamer Technics Pvt. Ltd., Nagpur).

The event began with opening remarks by Dr. Kalpit Kaurase (Forum In-Charge) and included the distribution of forum badges to newly elected members. Summer-24 toppers were felicitated with medals and certificates, while winners of a Technical Poster Competition on "Future of Aviation and Aerospace in India" were also recognized.

Mr. Babel delivered an expert lecture on "Aircraft Structure and Repair Design," sharing insights on industry trends, job opportunities, and aircraft maintenance. The event concluded with a vote of thanks by Mr. Tapassu Meshram (Forum President).

Seamlessly coordinated by the "Aerocious" team, the event featured exceptional anchoring by Ms. Janhavi Sheware and Ms. Shreya Yerpude, leaving a lasting impact on attendees.



Batch distribution ceremony held on the occasion of forum re-installation in the Department of Aeronautical Engineering



Head of the department Dr. Kalpit Kaurase welcoming honorable chief guest Mr. Ujwal Babel on the occasion of forum re-installation in the department of Aeronautical Engineering



Mr. Ujwal Bambel delivering lecture on "aircraft structure and repair design".



Poster completion held on the occasion of forum re-installation in the department of Aeronautical Engineering

GUEST LECTURE

Guest Lecture on "Entrepreneurship and Advanced Opportunities in Drone Technologies" at TGPCET, Nagpur

September 20, 2024: The Department of Aeronautical Engineering at TGPCET, Nagpur, organized a successful **Guest Lecture on "Entrepreneurship and Advanced Opportunities in Drone Technologies"**.

The event featured **Mr. Smitesh Chinchore**, Co-Founder & CTO of Aerovenia Pvt. Ltd., Nagpur, as the expert speaker. He provided in-depth insights into the entrepreneurial aspects and emerging opportunities in the drone technology sector, covering topics such as drone swarming, hybrid VTOL drones, and the integration of Python, neural networks, and AI in autonomous drone development.

The session motivated students to develop essential skill sets for careers or startups in this rapidly evolving field. The event, coordinated by the **Aerocious Forum** members, saw enthusiastic participation from **78 students** and concluded with a vote of thanks by **Mr. Sawraj Tayde**, Forum Vice President.



Head of the department **Dr. Kalpit Kaurase** welcoming honorable chief guest **Mr. Smitesh Chinchore**



Faculties and student interaction with the speaker and guest **Mr. Smitesh Chinchore**

INDUSTRIAL VISIT

Industrial Visit to Dr. Babasaheb Ambedkar International Airport

July 27, 2024: Department of Aeronautical Engineering at TGPCET Nagpur conducted an engaging industrial visit to the Air Traffic Services division of Dr. Babasaheb Ambedkar International Airport (AAI), Nagpur. This visit was conducted by the faculty co-coordinators Dr. Manoj Chaudhari and Prof. Shruti Giri for 3rd, 5th, and 7th semester students, offering them a valuable opportunity to witness the practical aspects of air traffic management and airport operations. The visit commenced with a comprehensive overview by AAI staff, who introduced students to the essential functions of air traffic control and the advanced technologies employed in the field. Students were then taken on a guided tour of the control tower, where they observed real-time air traffic operations and the meticulous coordination required to ensure safe and efficient air travel.

Throughout the visit, students gained insights into the daily challenges faced by air traffic controllers, including managing flight schedules, handling in-flight communications, and maintaining safety protocols. The experience provided a firsthand look at the critical role of air traffic services in the aviation industry. The students expressed their appreciation for the opportunity to observe and learn from industry professionals. The visit not only enhanced their understanding of air traffic operations but also inspired them as they prepare for their future careers in aeronautical engineering. The Department of Aeronautical Engineering at TGPCET Nagpur remains committed to providing its students with diverse and enriching experiences that support their academic and professional growth.



Students of Aeronautical Engineering visited to the Air Traffic Services division of Dr. Babasaheb Ambedkar International Airport (AAI), Nagpur.



Students of Aeronautical Engineering are interacting with the expert at ATS office Nagpur

Industrial Visit to Regional Remote Sensing Center, Nagpur

October 10, 2024: The Department of Aeronautical Engineering, TGPCET, Nagpur, organized an Industrial Visit to the Regional Remote Sensing Center (RRSC), Nagpur, on 10th October 2024. A total of 53 students from the 3rd, 5th, and 7th semesters participated in this educational visit, which offered valuable insights into space research and satellite technology.

The visit featured an engaging session by Dr. Sadana Jain, Senior Scientist at RRSC, who shared comprehensive knowledge about India's space missions, including Chandrayaan-1, 2, and 3, and discussed future projects. Her insights provided students with an in-depth understanding of India's achievements and aspirations in lunar exploration.



Students of Aeronautical Engineering visited Regional Remote Sensing Center, Nagpur

Mr. Shrivastav, a scientist at RRSC, gave a detailed presentation on the various types of satellites and their components, shedding light on their design, functionality, and significance in remote sensing and space exploration.

Students also had the opportunity to interact with the scientists, asking questions and deepening their understanding of the topics discussed.

This visit bridged the gap between theoretical knowledge and real-world applications, inspiring students to explore the exciting fields of aerospace and remote sensing. It reflects the department's commitment to fostering academic growth and industry readiness among its students.



Students of Aeronautical Engineering are interacting with the expert at Regional Remote Sensing Center, Nagpur

LAB INAUGURATION

Inauguration of Propulsion Lab at TGPCET, Nagpur

December 7, 2024: The Department of Aeronautical Engineering at TGPCET Nagpur proudly inaugurated its state-of-the-art Propulsion Lab on December 7, 2024, at 3:30 PM. The event was graced by Dr. Sharad Chaudhari, Professor (Mechanical Engineering) and Dean (OBE) at YCCE, Nagpur, who inaugurated the lab with great enthusiasm.

The inauguration ceremony witnessed the presence of faculty members, students, and staff, all of whom were eager to witness the launch of this advanced facility designed to enhance the learning experience for Aeronautical Engineering students. The Propulsion Lab is equipped with modern equipment and technology, aimed at providing practical insights into the principles of aircraft and spacecraft propulsion systems.

Dr. Chaudhari, in his inaugural address, emphasized the significance of hands-on experience in the field of aeronautics and congratulated the department for setting up such a vital resource for students. He expressed his belief that the new lab would empower students to bridge the gap between theoretical knowledge and practical application.

The Propulsion Lab will serve as a key asset for research and development, offering students the opportunity to explore cutting-edge propulsion technologies and contribute to advancements in the aerospace sector.

The TGPCET Nagpur community congratulates the Department of Aeronautical Engineering on this significant milestone and looks forward to the fruitful academic and research activities that the lab will foster.



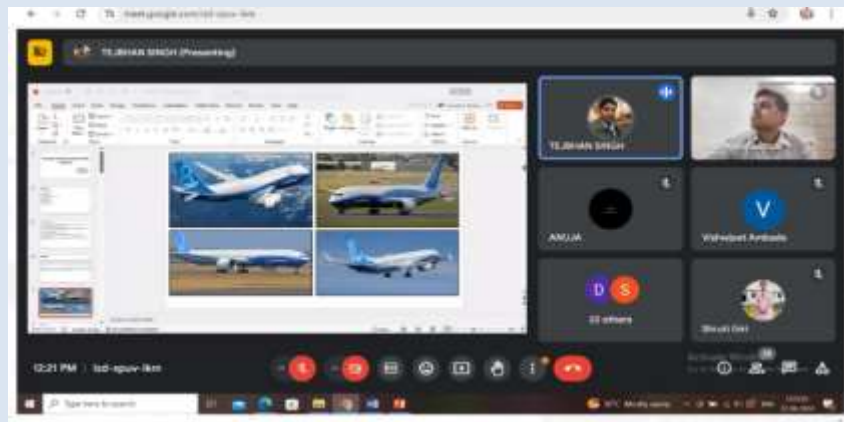
Dr. Sharad Chaudhari(Chief Guest) inaugurating propulsion lab along with Principal Dr.P.L Naktode and other Faculty

FACULTY DEVELOPMENT PROGRAM

FDP on Recent Technological Advancements in Aerospace Industry Hosted by TGPCET Nagpur

June 17, 2024: The Department of Aeronautical Engineering at TGPCET Nagpur successfully organized a Faculty Development Program (FDP) on "Recent Technological Advancements in the Aerospace Industry" on July 26, 2024. This event, reported in Loksatta, aimed to update and enhance the knowledge of faculty members from various institutions on the latest innovations and technologies shaping the aerospace sector. The FDP featured a series of expert-led sessions and interactive discussions, focusing on cutting-edge advancements in aerospace technology. Key topics included the integration of artificial intelligence in aerospace systems, the development of next-generation aircraft materials, and recent trends in satellite technology and space exploration.

The program included presentations by industry experts and researchers, who shared their insights and experiences with the attendees. Participants engaged in discussions about the implications of these technological advancements for both academic research and industry practices. The FDP provided a valuable platform for faculty members to exchange ideas, collaborate on research opportunities, and explore new teaching methodologies related to aerospace technology. It also highlighted TGPCET Nagpur's commitment to advancing knowledge and fostering professional development in the field of aeronautical engineering.



Faculty Development Program (FDP) successfully organized by The Department of Aeronautical Engineering at TGPCET Nagpur in online mode.

STUDENT ACTIVITIES

Aeronautical Engineering Department Hosts Heartfelt Farewell Program

13 May 2024: A farewell program was organized by Aeronautical Engineering Department for its graduating students to celebrating the achievements and contributions of the students as they prepare to embark on their professional journeys. The event, which took place on 13th May 2024 was marked by a series of heartfelt speeches, multimedia presentations, and a formal dinner. Faculty members, alumni, and students gathered to honor the graduating engineers who have been integral to the department's success. In his keynote address, Dr. Vivek Mishra, Head of the Aeronautical Engineering Department, highlighted the remarkable accomplishments of the students and expressed gratitude for their dedication and hard work. "Today, we not only bid farewell to a group of talented individuals but also celebrate their potential to shape the future of aerospace engineering," he remarked.

The program also featured a video montage showcasing the students' projects, internships, and various milestones achieved during their academic journey. The highlight of the evening was a special segment where students shared their experiences and memories, reflecting on their growth and the camaraderie they developed throughout their studies. The farewell event was also an opportunity for students to receive awards and accolades for their outstanding performance in both academics and extracurricular activities. As the evening drew to a close, the atmosphere was one of optimism and excitement for the future. Many graduates expressed their gratitude to their mentors and peers, acknowledging the role of the department in their professional and personal development. The Aeronautical Engineering Department extends its best wishes to the graduating class as they transition into their careers, confident that they will make significant contributions to the field of aerospace engineering



Aeronautical Engineering students hosting farewell program for final year students

तिच्या साथी..

तिच्या साथी एतक काही केल होत
हातच सोडुन सगल काही दिल होत
एक दिवस अली मग ती भेटायला
नात म्हं अल आपल तुतायला
इथुन पुढे आपल कही जमनार नाही
आनि तुझी नाही झाली मन त्याच्यासाठी रमनार नाही.

माझ्या प्रेमाच्या पिझन्यातून ती उडून गेली
सौनसाराच्या वाटेवर ती तिच्य निघुण गेली
भेटाली होती खुप दिवसानी
दिसत होती जनू शुक्राची चांदणी
अंगावर तिच्या मोरपंखी साडी होती
आधी पेक्षा अता ती जरा झाडि होती
*कुन्या येके कली कालीज जीने माझे गायन केले होते
*हटवत नाव जिच मी कोरल होत
पण अआता कुणाच्या तरी नावाच गल्यात तिच्या डोरलं होते
कामरेवर्ती धाक्कट आणि हातात तिच्या थोरल होत.

-Mangesh Bhaskar Parde (2nd year)

दबलेल्या हुंदक्यांचा प्रवाह..!

चेहऱ्यावर आट्या पडल्या नि हाडं कड कड आवाज करत हिंदोळ्याच्या चोचीत दाने टिपायला लागली. चिवऱुचिवऱु करत पैज लागायची पाठीला पोट लागलेल्या पोटाची. खुपसलेले दिसायचे डोळे त्या चेहऱ्यावर अन् दिसायचा वर्तुळ स्वतःची परिभाषा सोडवित. सूत्रे वापरायची जीर्ण झालेल्या काळाची अन् पायवाट मोडायची या नव्या युगाची. किती संयमी व्हांवं जगणं अन् जीवनात मैल अंतरावर ते खळखळून हसणं. मुक्या झालेल्या चौबाजूही सांगतात कधी गप्पा गोष्टी एकटे पणाची भूक भागवताना. चालताना मात्र चरा पडायचे पायाला अन् अलगत घाव काळजाच्या कप्प्यात छाप सोडायचं स्वतःला जाणीव करून देत. कर कर आवाज देत हाडं कधी संगीतमय कट्यार झालेत कळलेच नाही या गोडवान जगण्यात. जगणं सुखद होत होतं अन् पानगळ मूळकूज होऊ लागली एक एक गळत होतं पानातच आठवणींचा पसारा त्याच सवे एकीकडे जळत होता आशा अपेक्षांचा मोह मायात दडून असलेला कडवान दुःख अश्यातचं अन् मुळात रुजत गेलं बळ म्हणजेच. स्वबळावर लढण्याचा निर्णय हा इतिहास रचतो, घडवितो जगण्याला प्रतिमा, उत्तर अन् प्रश्न सुध्दा करतो. हयातीच्या जगण्यात त्या घामात अखेर आयुष्य वेचून मिळवलेल्या त्या मातीचा रंग कधीही दूर होणार नाही याची खात्री असते अन् एकीकडे पोटाची अन् पाठची केव्हा आपल्याला आपली किंमत कळवून देईल याचं नेम नाहीच.

करपलेलं रान छाताडावर घेऊन फिरनं अनपेक्षित मिळणार वरदान जगण्याची प्रेरणा देत जगण्याची व्याख्या कळवून देत, इतकंच नाही तर जगणं पण बदलून देते. आपुलकीचा स्नेह जेव्हा जळतो, अंतरीच्या स्मशानभूमीत नि राख होते आप्त मनाची अन् धूर निघतो विश्वास, अपेक्षांचा तीळ तीळ तुटून जळणारा कोळसा होतो हा निष्पाप देह. तेव्हा स्वबळ नवं सपान अन् इतिहास रुजायला सुरुवात करते. नात्यांच्या घट्ट मुळाशी जुळलेली नाळ अपवाद ठरताना वाद होतात स्वतःशी. गुन्हेगार पण आपणच आणि स्वतःला काय ती सजा द्यायची याला मोकळे पण असतोच आपण. सृजन, कृतज्ञता या शब्दांची उत्पत्ती आता होणे या देहाकडून कठीण झालं. बहरलेला कधी काळचा गुलमोहर हल्ली बाभळी काट्यांचा रूप रुबाबदार घेऊन सलते आतल्या आत. फळे नजरे समोरून अलिप्त झालेत तेव्हा, जगण्यातलं जगणंपण अरुची होते.

डोळ्यावर छत नसलेलं आभाळाची छाया देणाऱ्या पाखरांना धुक्यानं ओठ भिजवून त्यांना पाणी - पोटभर अन्न पुरवायला हवे. कारण आता पंख थकून गेलीयेत. आभाळाचं व्याप वाढत गेला त्याचे पाय जमिनीला टेकलेले नि नात्यांना वांझोटं नामकरण झालं. पोटाची सुद्धा आता पाठी मागून पाठ दाखवून निघालीत अन् उसनं फेडतात कागदी नोटांच्या दमानं. पण कधी लावलेला लळा, ओढ, कागदी नोटांच्या दमानं ऋण फेडता येत नाही, आणि थकलेल्या वयात पाखरांनी अशी ऋण फेडण्यासाठी मुळीच माय बाप पिल्यांसाठी करत नाही. तेव्हां बापाचं मन बोलतं त्याच्याशी. स्वतःची बाजू मांडताच येत नाही. नेहमी प्रमाणे अपूर्ण ठरतो आयुष्य चाळताना मनातलं मनातच राहून जातं. स्वतःच स्वतःला दफन करून निजूनही जातो. स्तब्ध स्तब्ध होत सारखं. दफन करून झालं की त्यावर नवं चैतन्याने बीज रोवून अंकुरही येवून जातात. मात्र त्यालाही मनासारखं वागता येत नाही. भौताली ताणतणावाच्या खलबत्यात मन कुटून घेतलं जातं चांगलंच. ! पुन्हा पालवी फुटली की नको तो वृक्षाला प्रश्न पडतो किमान. ? विचार करायचा जाताच थरकाप सुटते. मन नकार देतो. पण आशा मनाला ढोसर देतं म्हणत. इतक्यातच हरलास का? लढ रे पुन्हा., तू सक्षम नाहीस लढा द्यायला म्हणून तू कुटतेस. स्वतःला सक्षम कर. घाव झेलून झेलून खचू नकोस. त्यांनाच ढाल कर. स्वतःची कृपा बनव. मजबूत हो. तुला खलबत्यात कुटता कुटता हात दुखला पाहिजे. खलबत्याचे दोन भाग झाले पाहिजे पण तुझं एकही कण तुडता कामा नये. लक्षात ठेव रे नेहमी. खचून पडू नकोस. स्वतःचं अस्तित्व टिकवून ठेव. फक्त संपवू नकोस. फक्त संपवू नकोस...

इथ प्रत्येक व्यक्ती आपापली बाजू बळकटपणे जोपासत आहे. स्वतःच्या चुका लपवून दुसऱ्याला दोष देणं ही दुनियाची आगळी वेगळी रीत आहे. दुसऱ्याला कितीही समजून घेतलं. कितीही चांगलं सांगितलं तरी समोरचा आपल्याला चुकीचं समजून सोडून जातो, दुसऱ्यांचा विचार करता करता स्वतःच राहूनच जातं... गुंतागुंतीच्या नात्यात स्वतःची फसवणूक स्वतःच करतो आपण अन् शेवटी कळते हे जीवन आहे की गळाफास...

-Nitesh kharole (3rd year)

अंधाराची साय..
अंधारल्या वाटा अन्
अंधारलेत पाय
प्रकाशाची राख झाली
अंधाराची साय...॥ ध्रु॥
उन्हाळाचा पावसाळा
बाप माझा होतो
पेटलेल्या सरणाला
विझूनिया जातो
विझलेल्या देहालाही
पेटण्याची हाय....॥१॥
पदराला गाठी ओल्या
सोसण्याचा तास
भुकेल्या जात्याला माय
भरवते घास
थोडी अशी ती सरणी
जळण्याची राय ...॥२॥
पुरवाया तू शवाला
मुठभर माती
खस्ता मांगते लेकरं
टिकवावी नांती
नको दूर जाऊ ,शव
रडे धाय धाय ...॥३॥

-Nitesh kharole (3rd year)

Department in Media 2023-24

विद्यार्थियों को दी गई विदाई

सिटी भास्कर | नागपुर. टीजीपीसीईटी के वैमानिकी इंजीनियरिंग विभाग ने अपने फाइनल ईयर के छात्रों के लिए विदाई कार्यक्रम की मेजबानी की। यह कार्यक्रम दूसरे और तीसरे वर्ष के छात्रों द्वारा आयोजित किया गया। फाइनल ईयर के छात्रों ने कॉलेज में अपने समय की यादों और अनुभवों को शेयर किया। कार्यक्रम में जूनियर छात्रों द्वारा नृत्य, गायन, अपनी प्रतिभा का प्रदर्शन

और स्नातक कक्षा के प्रति आभार व्यक्त किया गया। प्राचार्य डॉ. पी. एल. नाकतोडे, उपप्राचार्य प्रो. प्रगति पाटील, डीन एकेडमिक प्रो. अनूप गाडे, डीन आइक्यूएसी प्रा. रितेश बनपुरकर और रजिस्ट्रार डॉ. अमेय खेडीकर ने समर्थन और प्रोत्साहन व्यक्त किया। विभाग प्रमुख डॉ. विवेक मिश्रा ने फाइनल ईयर के छात्रों को संबोधित किया और अपनी शुभकामनाएं दीं।

☰ **लोकसत्ता** लोकमान्य लोकसत्ता

July 27 | Nagpur

संक्षिप्त

गायकवाड अभियांत्रिकीमध्ये 'फॅकल्टी डेव्हलपमेंट'

नागपुर : तुळशीराम गायकवाड अभियांत्रिकी महाविद्यालयाच्या वैमानिक अभियांत्रिकी विभागाने इंडियन सोसायटी फॉर टेक्निकल एज्युकेशनद्वारे प्रयोजित केलेला एक आठवड्यांचा 'फॅकल्टी डेव्हलपमेंट' कार्यक्रम यशस्वीरित्या पार पाडला. हा कार्यक्रम एरोस्पेस उद्योगातील अलिकडील तांत्रिक प्रगतीवर केंद्रित होता. भारतातील १० व्यावसायिकांचा यात सहभाग होता. आयआयटी, एनआयटी आणि विविध सरकारी संस्थांमधील प्रसिद्धत कन्व्हॉने शारवत विमानचालनासाठी उभयचर विमान, ऑडिटिव्ह मॅन्युफॅक्चरिंग आणि एरोस्पेस इंडस्ट्रीमध्ये वापर मार्गदर्शन केले. कार्यक्रमाचे समन्वयक डॉ. विवेक मिश्रा, प्रा. विरजजीत ओंबडे होते.

Propulsion lab opens at TGPC

The propulsion lab being inaugurated at aeronautical engineering department of TGPCET



Daily Deshpradesh Kesar

Nagpur: The Department of Aeronautical Engineering at Tulsi-ramji Gaikwad-Patil College of Engineering and Technology successfully conducted the inauguration ceremony of the propulsion lab recently. The event was graced by the presence of the chief guest, Dr Sharad Chaudhari, Professor (Mechanical Engineer-

ing) at Yashwantrao Chavan College of Engineering, Nagpur. Principal Dr P L Nak-tode, Dr Sharad Chaudhari, Prof Vishwajeet Ambade, Dr Kalpit Kaurase, Dr Anup Gade and Prof Ritesh Bana-purkar were present on the occasion. Prof Shrikant Kathwate gave a detailed in-troduction to the laboratory equipment. Shrutu Giri con-ducted the proceedings.

Guest lecture on drone technologies held at TGPCET

Department of Aeronautical Engineering (TGPCET, Nagpur) successfully organised a guest lecture on "Entrepreneurship and advance opportunities in drone technologies sector" in presence of Smitesh Chinchore, Co-Founder & CTO, Aeroventia Pvt Ltd, Nagpur. The opening remark was given by Tapassu Meshram (Aerocious Forum - President). Satish Chinchore, gave an expert lecture on 'Entrepreneurship and Advance Opportunities in Drone Technol-

ogies Sector', in which he explained about the following topics entrepreneurship and future trends in Drone Technologies. He illustrated applications of hybrid drones with VTOL configurations and current and future market demand. Smitesh Chinchore urged students to learn python, neural networks and artificial intelligence to fetch with the current and future industry demand. A vote of thanks was proposed by Sawraj Tayde.

Department of Aeronautical Engineering organised Guest Lecturer on Drone Technology, news published in Lokant Times dated on November 12, 2024