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TULSIRAMJI GAIKWAD-PATIL
College of Engineering & Technology



— AN AUTONOMOUS INSTITUTE —

**C
S
E**

Department of Computer Science & Engineering

Presents

Newsletter 2K25
Even Sem

Code Crunch

Volume 2

Issue 2

Department of Computer Science & Engineering



Vision of Institute

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

Mission of Institute

- *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.*



Program Outcomes

Engineering Graduates will be able to:

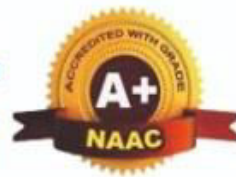
1. Engineering knowledge
2. Problem analysis
3. Design/development of solutions
4. Conduct investigations of complex problems
5. Modern tool usage
6. The engineer and society
7. Environment and sustainability
8. Ethics
9. Individual and team work
10. Communication
11. Project management and finance
12. Life-long learning

Program Specific Outcomes

PSO 1 - Basic Fundamental: Analyse fundamental knowledge of computer science to analyze complex problem and design effective solution.

PSO 2 - Design and Implementation: Apply modern tool to solve engineering, societal problem and communicate effectively as team member in software project management.

PSO 3 – Higher Studies and Entrepreneur: The ability to use modern computer technologies to create career paths for higher studies and entrepreneurship, also inculcate moral values and ethics for lifelong learning.



About TGPCET

Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET), established in 2007 by Vidarbha Bahu-uddeshiya Shikshan Sanstha (VBSS), is a self-financed, AICTE-approved, and RTMNU-affiliated autonomous institute located in MIHAN, Nagpur. Accredited with NAAC A+ (3.32 CGPA), the college offers 10 B.Tech programs, 8 M.Tech specializations, MBA, MCA, and 3-year Diploma courses in six engineering disciplines. Several UG programs are NBA-accredited. TGPCET emphasizes industry-oriented education through value-added courses like Python, MATLAB, AutoCAD, CCNA, and more. It holds international MoUs with SEGi University (Malaysia) and Prince of Songkla University (Thailand), and domestic collaboration with Vignan's University. With experienced faculty, strong infrastructure, and a focus on holistic education aligned with NEP 2020, the college has earned national-level AICTE awards in 2024 for internships and excellence. Guided by eminent academicians and industry leaders, TGPCET is a preferred choice for aspiring engineers and managers.

About Department

Established in 2007-08 with B.Tech (CSE) and later M.Tech (CSE) in 2011-12, the department focuses on advanced computational research, software and network system design, and big data analysis. It aims to keep students industry- and research-ready through quality education, experienced faculty, and a well-equipped departmental library. The department fosters industry collaboration, organizes guest lectures, workshops, and STTPs, and engages in sponsored research, live projects, and consultancy. It also provides GATE guidance, campus recruitment training, and internship opportunities for holistic student development.



Vision of Department

To become a centre of excellence for nurturing the quality Computer Science & Engineering professionals to cater the needs of industry and society.

Mission of Department

- *To achieve academic excellence by imparting in-depth knowledge to the students through effective pedagogies and hands on experience on latest tools and technologies.*
- *Inculcating professional behavior, strong ethical values, innovative research capabilities and leadership abilities in graduates.*
- *To trained the graduates with the knowledge and skills required to enable them to be industry ready.*
- *To strengthen the Industry-Institute Interaction for stakeholders to become successful entrepreneurs.*



Messages from Managements

“Education is the passport to the future, for tomorrow belongs to those who prepare for it today.”

Dr. Mohan Gaikwad-Patil, with more than 35 years of experience in the 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 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 the 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 an educational group well known in the region for its constant striving to impart quality and industry-relevant education to the students by teaching courses like B.Tech, M.Tech, Architecture, Polytechnic, MBA, MCA, Pharmacy, BAMS, Physiotherapy and Nursing. Hardly in his early forties, Dr. Mohan Gaikwad-Patil is the young and dynamic face of the group. His contagious enthusiasm and unflagging drive are truly inspiring.



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



MR. AKASH GAIKWAD-PATIL
Vice Chairman, Gaikwad-Patil Group

“Education is not preparation for life, education is life itself.”

At TGPCET, we believe education is life itself. We aim to develop engineers who are not only technically skilled but also ethical, socially responsible, and innovative thinkers. Our industry-aligned curriculum, modern infrastructure, and experienced faculty foster critical thinking, creativity, and leadership. We prepare students to become future-ready professionals capable of driving technological progress and creating a positive global impact.



DR. SANDEEP GAIKWAD
Treasurer, Gaikwad-Patil Group of
Institutions

“Creating a Brighter Tomorrow, One Investment at a Time: Your Pathway to Engineering Excellence.”At TGPCET, we are driven by a noble vision—to serve the nation by shaping responsible, skilled, and disciplined engineers. With a technology-rich curriculum and state-of-the-art infrastructure, we aim to nurture students both academically and ethically. Our graduates have excelled in diverse fields, reflecting the quality of education imparted. We encourage every student to make the most of the opportunities and resources available to build a successful and meaningful career.

**DR. ANJALI PATIL-GAIKWAD**President, Gaikwad-Patil Group of
Institutions

“Shaping Minds, Building Futures: Welcome to the Engineering Innovation Hub.”

“Welcome to TGPCET, a premier institution dedicated to nurturing exceptional engineers who can shape the world of tomorrow. Here, we believe in cultivating a stimulating learning environment that fosters creativity, critical thinking, and a passion for innovation. Our vision is to provide a holistic learning experience that equips you with the technical expertise, leadership skills, and innovative thinking needed to thrive in a dynamic industry. With a rich legacy of academic excellence, we offer a diverse range of engineering and management programs designed to equip you with the knowledge, skills, and experiences needed to thrive in the ever-evolving engineering landscape. Our dedicated faculty, state-of-the-art facilities, and strong industry partnerships ensure you receive a well-rounded education that prepares you for success in your chosen field. We invite you to join our vibrant community and embark on a journey of excellence.”



“Nurturing Innovation, Empowering Leaders – Engineering Education Redefined.”

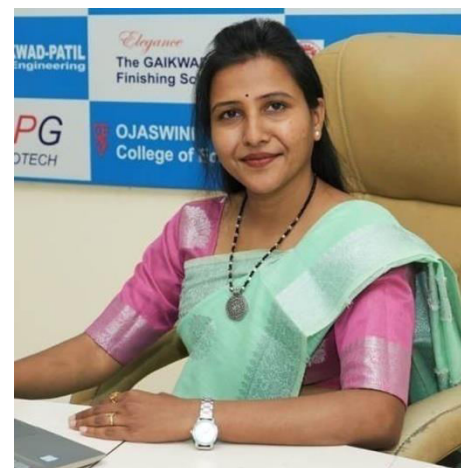
At TGPCET, an autonomous institution rooted in the vision of "Learn to Grow," we are committed to delivering quality education that shapes students into skilled engineers, capable leaders, and responsible citizens. Founded by Vidarbha Bahu Uddeshiya Shikshan Sanstha, the college aims to build a stronger and more skilled India. With consistent academic results, strong placements, and active extracurricular involvement, TGPCET continues to empower future leaders and innovators who will make a global impact



DR. P. L. NAKTODE
Principal

Welcome to TGPCET – Where Dreams Inspire Excellence

Tulsiramji Gaikwad Patil College of Engineering and Technology (TGPCET), Nagpur, is a premier institution committed to academic excellence, innovation, and holistic development. Inspired by Dr. APJ Abdul Kalam's words, we encourage students to dream big and pursue success through knowledge and perseverance. TGPCET blends technical education with strong values, cutting-edge learning environments, and active participation in national and international competitions. With support from professional bodies like IEEE, CSI, ISTE, SAE-India, and SESI, and a focus on all-round growth through sports, culture, and social initiatives, TGPCET empowers students to lead, innovate, and transform the future.



DR. PRAGATI PATIL
Vice Principal

**DR. LOWLESH YADAV**

Head, Computer Science &
Engineering Department
B.E., M.Tech, Ph.D

Message From HOD, CSE

*I am delighted to present **Volume 2, Issue 2** of our CSE Department newsletter. This edition highlights the achievements, activities, and innovations of our students and faculty, reflecting our commitment to academic and professional excellence.*

We continue to focus on fostering technical skills, research aptitude, and holistic development to prepare our students for future challenges. I appreciate the efforts of the editorial team and contributors in bringing this issue together.

Wishing everyone continued success and growth.



**PROF. SHUBHKIRTI
BODKHE**

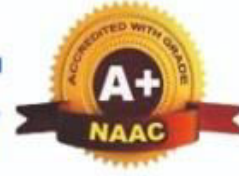
Faculty Chief Editor
B.E., M.Tech

Message From Editor

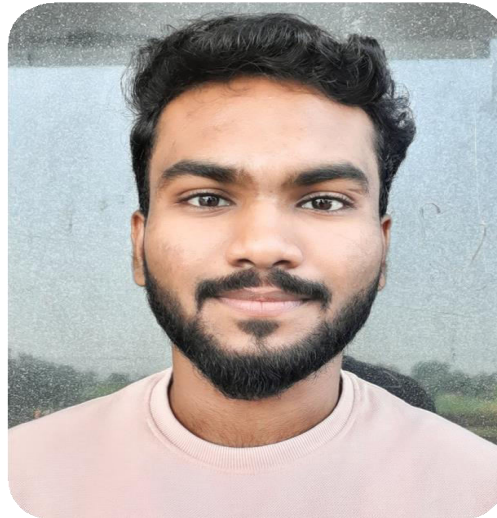
*It gives me great pleasure to present **Volume 2, Issue 2** of our departmental newsletter. This edition reflects the creativity, enthusiasm, and dedication of our students and faculty members.*

The newsletter serves as a platform to showcase the department's achievements, innovative projects, technical progress, and various student-driven initiatives. It is a testament to our ongoing efforts to foster a culture of academic excellence and collaborative learning.

I sincerely thank the editorial team, contributors, and everyone who helped bring this issue to life. I hope readers find it both informative and inspiring.



Editorial Bodies



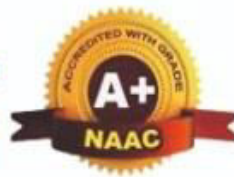
Mr. Aditya Thakre
Student Editor
Branch: CSE

It's a proud moment to present this edition of our departmental newsletter, showcasing the achievements, innovations, and activities of the Computer Science & Engineering community. This newsletter reflects the dedication of our students and faculty in both academics and beyond.



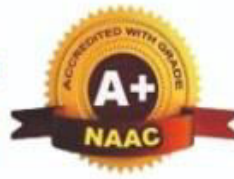
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- ❖ Media Coverage



Index of Seminars/ hands on training/expert lecture/ Guest lectures

Sr. No.	Title of Activity	Date of Activity	Name of Expert Invited/Involved	Designation and Affiliation	No. of Students Benefited
1	Two Days Workshop on Salesforce	17/01/2025 & 18/01/2025	Mr. Manoj Titre	Technia Lead HCL Nagpur	60
2	Expert Lecture on "MERN Stack and Cloud Computing"	01/02/2025	Mr. Prashant Kadhao,	Founder and Director of PSK Technologies Pvt. Ltd.	83
3	Guest Lecture-"DevOps: From Code Development to Deployment"	24-02-2025	Mr. Sumeet Verma,	Lead DevOps Engineer at Microshield InfoTech Pvt. Ltd.	76
4	Workshop on "Spring Java Framework"	03 & 04 March 2025	Mr. Sharad Bansod	Director & Founder Softbuzz Pvt. Ltd.	50
5	Guest Lecture on Fundamentals of Software Testing	24/03/2025	Mr. Prashant Pawar	Project Manager, Project Manager, HCL Nagpur	82



Two Days Workshop on Sales force

Date:-17/01/2025-18/01/2025

Aim: To equip students with hands-on experience in Sales force development and enhance their skills in emerging technologies relevant to the IT industry.

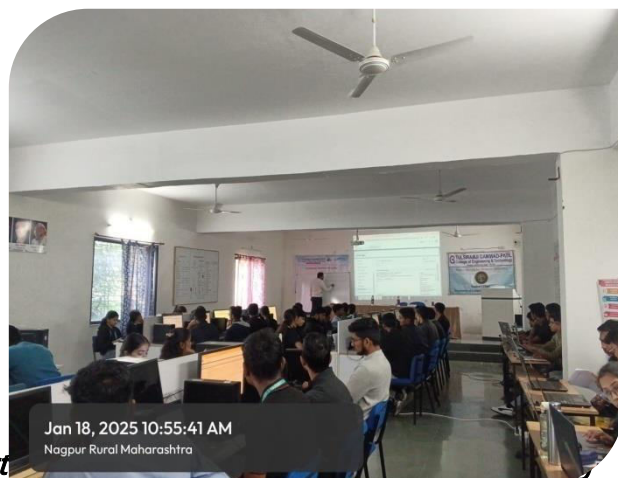
academic learning with industry expectations.

Outcomes:

Overview: The Department of Computer Science and Engineering at TGPCET, Nagpur, organized a two-day workshop on **January 17–18, 2024**, under ISTE and CSI Student Chapters. Aimed at B.Tech VI and VIII semester students, the workshop introduced the Salesforce ecosystem, CRM fundamentals, Apex programming, and flow implementation. Industry experts Mr. Manoj Titre (HCL Technologies) and Ms. Shrushti Purohit (Infosys) guided students through real-time application development and administrative functionalities, bridging

- Students gained hands-on experience in Sales force tools, Apex programming, and CRM workflows.
- Improved understanding of modern software practices and collaborative project development.
- Inspired students to explore careers in cloud-based platforms and emerging technologies.
- The workshop successfully achieved the following Program Outcomes (PO): **PO1, PO2, PO3, PO4, PO5, PO6, PO9, PO10, PO12**

Glimes:-





Expert Lecture on " MERN Stack and Cloud Computing

Date:- 01/02/2025

Aim:

To provide students with practical knowledge and industry insights into MERN Stack and Cloud Computing, enhancing their technical skills and bridging the gap between academia and industry.

Overview:

The Department of Computer Science and Engineering organized an expert lecture on **1st February 2025** under the IEI and ISTE Student Chapters. Delivered by Mr. Prashant Kadhao, Founder of PSK Technologies Pvt. Ltd., the session covered key concepts of MERN Stack (MongoDB, Express.js, React.js, Node.js) and cloud computing. It focused on full-stack development, deployment strategies, and industry best practices. With 83 participants, the session

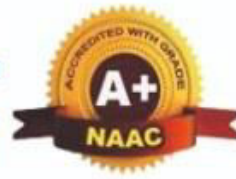
was interactive and provided valuable exposure to current trends and career paths in software development and cloud technologies.

Outcomes:

- Students gained practical understanding of MERN Stack and cloud fundamentals.
- Improved awareness of industry tools and deployment techniques.
- Enhanced problem-solving and analytical abilities.
- Encouraged interest in careers related to web and cloud technologies.

Program Outcomes (POs) Mapped: PO1, PO2, PO3, PO5, PO9, PO10, PO12





Guest Lecture-" DevOps: From Code Development to Deployment"

Date:-24/2/20

Aim:

To equip students with industry-relevant knowledge of DevOps practices, tools, and workflows, enhancing their understanding of software development, deployment, and operational efficiency.

Overview:

On **24th February 2025**, the Department of Computer Science and Engineering organized an expert lecture by **Mr. Sumet Verma**, Lead DevOps Engineer at Microshield InfoTech Pvt. Ltd. The session offered in-depth insights into DevOps principles such as Continuous Integration/Continuous Deployment (CI/CD), automation, and modern tools like Git, Jenkins, Docker, and Kubernetes. With interactive demonstrations and case studies, students explored the real-world applications of DevOps, aligning academic learning with

industry demands and career pathways.

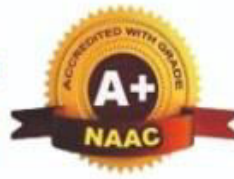
Outcomes:

- Gained practical knowledge of DevOps processes and tools.
- Understood the role of automation and CI/CD in software deployment.
- Improved readiness for careers in DevOps, Cloud, and IT Operations.
- Enhanced collaboration, problem-solving, and lifelong learning skills.

Program Outcomes (POs) Mapped: PO1, PO2, PO3, PO5, PO10, PO12

Glimse:-





Workshop on "Spring Java Framework "

Date:- 3/3/2025-4/3/2025

Aim: To equip participants with in-depth knowledge and practical skills in the **Spring Java Framework**, enabling them to develop robust, secure, and scalable enterprise-level applications using Spring Boot, Spring MVC, and Spring Data JPA.

Overview: The Department organized a two-day workshop focused on the **Spring Framework**, a leading technology in Java-based enterprise application development. The hands-on sessions covered core concepts like **Dependency Injection**, **Spring Boot**, **REST API development**, **Spring MVC**, **Spring Data JPA**, and an introduction to **Spring Security** and **Microservices**. With structured coding exercises, real-world scenarios, and expert guidance, participants developed CRUD applications and RESTful APIs, enhancing their ability to build full-stack Java solutions.

Outcomes:

- Gained hands-on experience in **Spring Boot, MVC, and JPA**.
- Learned to design and develop **RESTful** and **CRUD-based** applications.
- Understood core concepts like **Dependency Injection**, **AOP**, and **Security**.
- Improved coding proficiency and **problem-solving** skills in Java.
- Gained practical insight into **enterprise-level Java development** and microservices architecture.

Program Outcomes (POs) Mapped: PO1, PO2, PO3, PO5, PO10, PO12

Glimse:-



Department of Computer Science & Engineering



Guest Lecture on Fundamentals of Software Testing

Date:- 24/3/2025

Aim: To bridge the gap between theoretical knowledge and practical application by providing final-year Computer Science and Engineering students with real-world exposure.

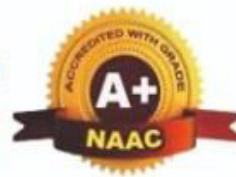
Introduction (One Paragraph): On 22nd February 2025, the Department of Computer Science and Engineering at Tulsiramji Gaikwad-Patil College of Engineering and Technology organized an industrial visit to Smart Data Technologies, IT Park, Nagpur. The visit, coordinated by Prof. Bramhadeo Wadibhasme, involved 30 final-year students and aimed to enhance their understanding of current IT industry trends, software development methodologies like Agile and DevOps, and modern technologies such as cloud computing and software testing. Students interacted with project managers and engineers, gaining valuable insights into company operations, real-time project workflows, and industry expectations.

Outcome:

- Students gained firsthand exposure to software development tools, cloud deployment processes, and DevOps practices.
- They understood the significance of teamwork, communication, and project lifecycle management in a corporate IT setup.

Glimse:-





Index of Industrial visit

Sr. No.	Title of Activity	Date of Activity	Name of Expert Invited/Involved	Designation and Affiliation	No. of Students Benefited
1	Industrial Visit at CIIIT RCOEM TATA Center	16/01/2025	Dr. Y. M. Sonkhaskar	Center Head	40
2.	Inudustrial Visit-" HCL Technologies ,Nagpur "	13/12/2024	Mr. Sharad Bansod	HCL Technologies ,Nagpur	40
3	Industrial Visit at "Smart Data Technologies Mihan, Nagpur"	22/2/2025	Mr. Sumeet Verma	Smart Data Technologies, IT Park, Nagpur	50
4	Inudustrial Visit-" PSK Technologies"	01/03/2025	Mr. Prashant Kadhao	CEO, Sofsense Technoserve Pvt. Ltd	40



Industrial Visit at CIIT RCOEM TATA Center

Date:- 16/1/2024

Aim:- To provide students of the Department of Computer Science and Engineering with practical exposure to industry-relevant technologies and hands-on experience with cutting-edge innovations at the RCOEM-TATA CIIT (Center for Invention, Innovation, Incubation, and Training) Center.

Description

The industrial visit to the CIIT-RCOEM TATA Center, Nagpur, conducted on 16th January 2024, was organized by the Department of Computer Science and Engineering under ISTE and IEI Student Chapters. The event aimed to bridge the gap between theoretical academic learning and practical industry application. Students were introduced to state-of-the-art technologies including Artificial Intelligence, Machine Learning, IoT, and Industry 4.0 tools. The visit included expert sessions, lab tours, and hands-on demonstrations of real-time industrial technologies. It offered students a glimpse into modern industrial practices, infrastructure, and software tools, enriching their technical understanding and inspiring innovation.

Outcome

Students gained valuable insights into industrial processes, tools, and technologies. They observed the application of robotics, CNC-VMC machines, 3D printing, and IIoT technologies. The visit enhanced their understanding of advanced manufacturing, simulation software, and modern problem-solving approaches. Interaction with industry professionals encouraged students to pursue continuous learning and better prepare for future career opportunities in the tech industry.





Industrial Visit-" HCL Technologies ,Nagpur "

Date:- 13/12/2024

Aim: To provide final-year Computer Science and Engineering students with practical exposure to the corporate IT environment, helping them understand industry practices, technologies, and recruitment processes in a global organization.

Introduction : The Department of Computer Science and Engineering at Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET), Nagpur, organized an industrial visit to HCL Technologies, MIHAN, on December 13th, 2024, under the ISTE Students Chapter. The visit aimed to expose students to the work culture, technological infrastructure, and operational processes of a leading IT company. With sessions led by Mr. Prashant Pawar (Technical Lead) and Mr. Abhishek Banerjee (HR Manager), students gained insights into real-world projects, recruitment procedures, and the professional skills required in the IT sector. A total of 40 final-year students participated in this enriching experience.

Outcome: Students developed an understanding of the professional environment and technical operations in a multinational IT company. They gained exposure to recruitment expectations and essential skills required in the IT industry. The visit helped bridge the gap between academic knowledge and practical applications, motivating students to pursue careers aligned with current industry demands.





Industrial Visit at “Smart Data Technologies Mihan, Nagpur”

Date:- 22/2/2025

Aim: To bridge the gap between theoretical knowledge and practical application by providing final-year Computer Science and Engineering students with real-world exposure to modern software development practices and IT infrastructure.

Introduction : The Department of Computer Science and Engineering at Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET), Nagpur, organized an industrial visit to **Smart Data Technologies**, IT Park, Nagpur, on **22nd February 2025**. A total of **30 final-year students** participated in this visit under the guidance of **Prof. Bramhadeo Wadibhasme**. The visit aimed to enhance the students' understanding of industry trends, methodologies like Agile and DevOps, cloud computing, and real-world software development processes. Company representatives provided detailed insights into ongoing projects, deployment pipelines, and key professional roles, helping students connect academic learning with industry applications.

Outcome:

- Students gained practical exposure to software development workflows and cloud-based tools.
- They understood industry expectations and the importance of certifications and technical skills.
- The visit fostered interest in emerging technologies such as DevOps and cloud computing.





Industrial Visit at “PSK Technologies Pvt. Ltd., Nagpur ”

Date:- 24/3/2025

Aim : To provide To provide students with industry exposure, understanding of IT work culture, emerging technologies, and career opportunities in the IT sector.

Introduction :

On **24th March 2025**, the **Department of Computer Science and Engineering** organized an **Industry Expert Lecture on “Fundamentals of Software Testing”** at **APJ Abdul Kalam Seminar Hall, TGPCET, Nagpur**. The session was conducted by **Mr. Prashant Pawar**, Technical Solution Architect at **HCL Technologies, Nagpur**. A total of **82 third-year students** attended the event, gaining insights into both manual and automation testing practices. The lecture covered testing tools such as **Selenium** and **JUnit**, explained the significance of quality assurance in the software development lifecycle, and featured real-world industry case studies, helping students relate academic knowledge to practical applications.

Outcome:

- Students understood the critical role of software testing in delivering quality software products.
- Gained exposure to automation tools and frameworks used in the industry.

Glimse:-



Department of Computer Science & Engineering



National level events

AIXPLORE 2K25 – National Level Technical Event (Day 1 Details)

Aim: To foster innovation, technical excellence, and real-time problem-solving skills among students through engaging technical competitions and expert interaction.

Introduction (One Paragraph): *AIXPLORE 2K25* kicked off with enthusiasm, envisioned as a **National Level Technical Event** aimed at equipping students with practical skills and exposure to industry-relevant challenges. The inauguration was graced by **Dr. Mukta Paliwal** (Associate Director – Data Science, Novartis, Hyderabad) and **Mr. Ranjit Singh** (Managing Director & CEO, Syslogix Technologies, Nagpur), whose motivational addresses energized participants with insights into emerging technologies and the future of innovation.

Outcome: 150+ students from various institutes actively participated. Posters showcased innovative ideas in IoT, AI/ML, and sustainable tech. The Hackathon featured intense coding and creative problem-solving.

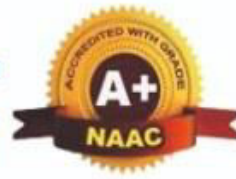
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Inauguration of AIXLORE 2K25 by Chief Guest Dr. Mukta Paliwal by cutting Ribbon



Lighting Lamping of AIXLORE 2K25 Event



Welcome of Guest Mr. Ranjit Singh, MD
Syslgycs



Inaguration of Event Hackathon by
Chief Guest Dr. Mukta Paliwal



Judging of Event Poster Presentation
Competition by Guest



Judging of Event Hackathon



Prize & Certificates Distribution
Certificates



Group photo with all winners of day

Day 2 of AIXPLORE 2K25

the momentum with a vibrant mix of technical, creative, and fun-filled events that allowed students to showcase not only their intellect but also their imagination and team spirit.

1. Paper Presentation

- A platform for students to present their research ideas on emerging technologies.
- Topics ranged across AI, IoT, Cybersecurity, Green Computing, and Data Science.
- Judged on innovation, relevance, clarity, and delivery.

2. Treasure Hunt

- An exciting, campus-wide event testing clues-solving ability, logic, and teamwork.
- Enthusiastic participation with high energy and engagement.

3. E-Sports

- Competitive gaming challenge aimed at promoting teamwork and reflex strategy.

Department of Computer Science & Engineering



- Games like BGMI and Valorant saw thrilling participation from tech-savvy gamers.

4. Reel Making

- A creative challenge where students expressed tech, social, or college life themes through short video reels.
- Evaluated on creativity, message, editing, and engagement.

Competitions & Highlights

- Day 2 witnessed **over 200+ student participants** across all events.
- The Paper Presentation showcased insightful tech innovations from future researchers.
- Treasure Hunt created an environment of enthusiasm, strategy, and collaboration.

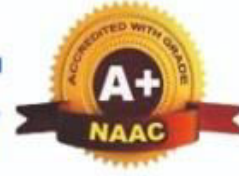
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Dignitaries on dias for Valedictory function of Day 2



Welcome of Guest Mr. Vaibhav Dhone, CEO SEED InfoTech



Prize and Certificates Distribution to the winners



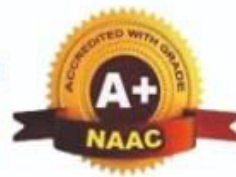
Prize and Certificates Distribution to the winners



Prize and Certificates Distribution to the winners



Group photo with all winners of day 2



Farewell

Aim:

To celebrate the journey, achievements, and contributions of final year students, while providing them a platform to reflect, share memories, and bid a heartfelt goodbye.

Introduction (One Paragraph):

The **Department of Computer Science and Engineering, TGPCET**, organized a **Farewell Party** on **19th April 2025** to honor the final year students. Hosted by the third-year students under the coordination of **Prof. Ashwini Mahajan**, the event featured heartfelt speeches, vibrant cultural performances, fun activities, and a DJ night. Faculty, staff, and students came together to celebrate the accomplishments of the graduating batch, fostering a spirit of camaraderie and appreciation.

Outcome:

- A joyful and emotional send-off was provided to the final year students.
- Strengthened bonds between juniors, seniors, and faculty members.
- Students reflected on their academic journey and shared inspiring experiences.
- The event inspired juniors to strive for excellence and value community spirit.
- Successfully created lasting memories through well-organized and engaging activities.

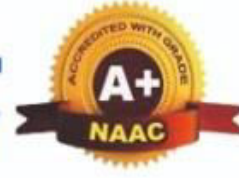
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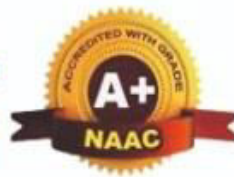
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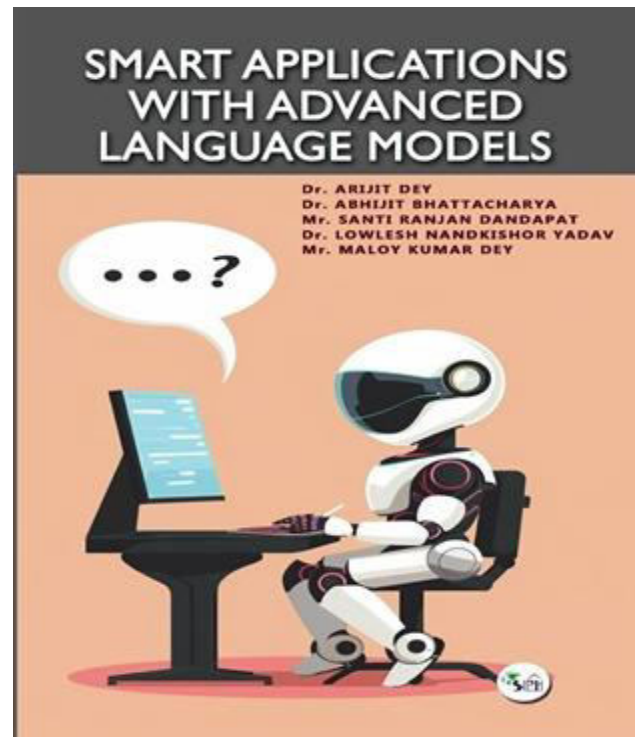
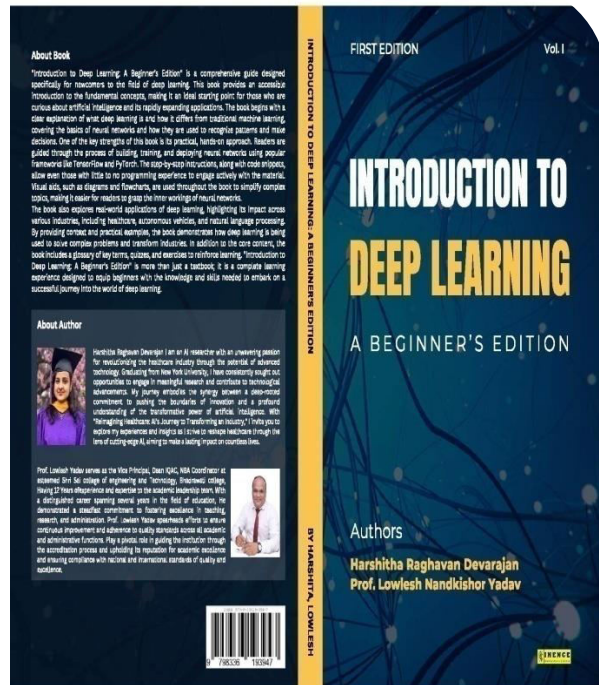
Department of Computer Science & Engineering



Faculty achievements

Sr. No.	Name of Faculty	Achievement
1	Dr. Lowlesh Yadav	Book Published
2	Prof. Komal Naxine	Silver+Elite NPTEL
3	Prof. Shubhkirti Bodkhe	Elite NPTEL
4	Prof. Priyanka Chaudhary	Successfully Complete NPTEL
5	Prof. Diksha Fulzele	Successfully Complete NPTEL
6	Prof. Brhmadev Wadibhasme	Paper Published
7	Prof. Ashiwini Mahajan	Paper Published

Glimse:-



DTE Code: 4151

www.tgpcet.com

TULSIRAMJI GAIKWAD-PATIL

College of Engineering & Technology



— AN AUTONOMOUS INSTITUTE —

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DIKSHA FULZELE
for successfully completing the course

Data Analytics with Python

with a consolidated score of **55 %**

Online Assignments	24.03/25	Proctored Exam	30.62/75
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Total number of candidates certified in this course: 10022

Jan-Apr 2025
(12 week course)

Prof. Kanchh Shree,
Coordinator CEC

Prof. Rajgata Pathania,
Professor (BDE),
Coordinator (NPTEL)

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL25GSI7S1152803819 To verify the certificate No. of credits recommended: 3 or 4

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
PRIYANKA CHOUDHARY
for successfully completing the course

Fuzzy Logic and Neural Networks

with a consolidated score of **58 %**

Online Assignments	19.17/25	Proctored Exam	39/75
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Total number of candidates certified in this course: 503

Jan-Mar 2025
(8 week course)

Prof. Raimanti Banerji,
Coordinator NPTEL,
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL25GE1SS340301672 To verify the certificate No. of credits recommended: 2 or 3

Sir Shantilal Badjate Charitable Trust's
S. B. Jain Institute of Technology, Management and Research, Nagpur
An Autonomous Institute Affiliated to S.T.M. Nagpur University, Nagpur
NBA Accredited (Electrical Engg., Electronics and Telecommunication Engg., Mechanical Engg.)
"Emerge as a Leading Institute for Developing Competent and Creative Professionals"

In Association With

3rd International Conference on "Advancement in Science, Technology and Management"
ICASTM - 2025
21st & 22nd March 2025

CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Prof./Mr./Ms. **Bhramhadeo Wadibhasme** of Tulsiramji GaiKWad - Patil College of Engineering and Technology, Nagpur has presented research paper titled "Design and Implementation of Home Automation Using BCI System for Disable Person" in 3rd International Conference on "Advancement in Science, Technology and Management" organized at S. B. Jain Institute of Technology, Management and Research, Nagpur.

We wish him/her all the best for future endeavours.

Dr. Hemant R. Turkar
General Chair

Dr. Sanjay L. Badjate
Principal

SSIPMT Raipur

Shri Shankaracharya Institute of Professional Management & Technology, Raipur, India

ICHISS2024
1st International Conference on Healthcare Innovation and Smart Systems (29 & 30 DEC)

AIP Publishing

Certificate of Appreciation

This is to certify that
Dr. Lowlesh Nandkishor Yadav
Presented the Paper ID 513 titled
Machine Learning-Based Risk Assessment of Colorectal Cancer Using Random Forest Classifiers

Authored by
Juginder Pal Singh, Abhimanyu Dasarwar, Ankita Rangra, Dr. Prasanta Kumar Parida, Bhupendra Singh, Dr. Lowlesh Nandkishor Yadav

at 1st International Conference on Healthcare Innovation and Smart Systems (ICHISS-2024), organized by the Department of Computer Science & Engineering, Shri Shankaracharya Institute of Professional Management and Technology Raipur, Chhattisgarh, India during 29th - 30th December 2024.

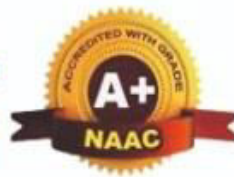
Dr. Suman Kumar Swarnkar
General Chair
ICHISS-2024

Dr. Yogesh Kumar Rathore
General Co-Chair
ICHISS-2024

Prof. Anand Tamrakar
General Co-Chair
ICHISS-2024

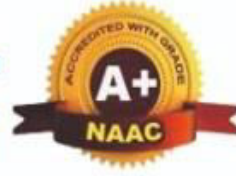
Dr. Alok Jain
Principal
SSIPMT, Raipur

Department of Computer Science & Engineering



Students Achievement

Sr. no.	Name of Student	Course in NPTEL	Result
1.	Saurabh Tembhurne	Data Analytics with Python	Elite
2.	Sheetan Karmankar	Data Science for Engineering	Elite
3.	Ritik Wailthare	Cloud Computing	Elite
4.	Ritik Wailthare	Data Analytics with Python	Elite
5.	Kashish Bawne	Machine Learning	Completed
6.	Vaishnavi Wakodikar	Google Cloud Computing Foundation	Completed
7.	Piyush Pole	Programming in java	Completed
8.	Ranamandeep Singh	Computer Graphics	Completed
9.	Saloni Godichor	Fundamental Object Oriented Programming	Completed
10.	Nikhil Dongre	Block Chain & its Application	Completed



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SAURABH SAHESH RAM TEMBHURNE
for successfully completing the course

Data Analytics with Python

with a consolidated score of **69** %

Online Assignments	24.38/25	Proctored Exam	44.39/75
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Total number of candidates certified in this course: 10022

Jan-Apr 2025
(12 week course)

Prof. Kaushik Ghosh, Professor (Chemistry), Coordinator CEC

Prof. Ranjana Pathania, Professor (BSC), Coordinator (NPTEL)

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL25CS17S1252800847 To verify the certificate

No. of credits recommended: 3 or 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SHEETEN KARMANKAR
for successfully completing the course

Data Science for Engineers

with a consolidated score of **62** %

Online Assignments	25/25	Proctored Exam	36.72/75
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Total number of candidates certified in this course: 4636

Jan-Mar 2025
(8 week course)

Prof. Andrew Thangaraj, Chair, Centre for Outreach and Digital Education, IITM

Prof. Vignesh Muthurajyan, NPTEL Coordinator, IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL25CS20S440301307 To verify the certificate

No. of credits recommended: 2 or 3

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
RITIK SUNIL WALTHARE
for successfully completing the course

Data Analytics with Python

with a consolidated score of **60** %

Online Assignments	25/25	Proctored Exam	35.21/75
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Total number of candidates certified in this course: 10022

Jan-Apr 2025
(12 week course)

Prof. Kaushik Ghosh, Professor (Chemistry), Coordinator CEC

Prof. Ranjana Pathania, Professor (BSC), Coordinator (NPTEL)

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL25CS17S1152800357 To verify the certificate

No. of credits recommended: 3 or 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
RITIK SUNIL WALTHARE
for successfully completing the course

Cloud Computing

with a consolidated score of **64** %

Online Assignments	25/25	Proctored Exam	38.55/75
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Total number of candidates certified in this course: 29703

Jan-Apr 2025
(12 week course)

Prof. Haimanti Banerji, Coordinator, NPTEL, IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL25CS11S952800323 To verify the certificate

No. of credits recommended: 3 or 4

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
KASHISH BAWANE
for successfully completing the course

Machine Learning for Engineering and science applications

with a consolidated score of **51** %

Online Assignments	20.81/25	Proctored Exam	30/75
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Total number of candidates certified in this course: 1166

Jan-Apr 2025
(12 week course)

Prof. Andrew Thangaraj, Chair, Centre for Outreach and Digital Education, IITM

Prof. Vignesh Muthurajyan, NPTEL Coordinator, IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL25CS49S652801634 To verify the certificate

No. of credits recommended: 3 or 4

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
VAISHNAVI SHYAM WAKODIKAR
for successfully completing the course

Google Cloud Computing Foundations

with a consolidated score of **56** %

Online Assignments	12.42/25	Proctored Exam	43.75/75
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Total number of candidates certified in this course: 6940

Aug-Oct 2024
(8 week course)

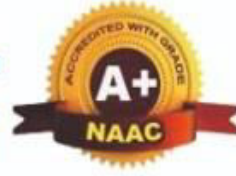
Prof. Haimanti Banerji, Coordinator, NPTEL, IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL24CS11S653102306 To verify the certificate

No. of credits recommended: 2 or 3



NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
PIYUSH DIPAK POLE
for successfully completing the course

Programming In Java

with a consolidated score of **54 %**

Online Assignments	16.91/25	Proctored Exam	37.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **16040**

Jan-Apr 2025
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL25C85751252801765 To verify the certificate No. of credits recommended: 3 or 4

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
RANAAMANDEEP SINGH
for successfully completing the course

Computer Graphics

with a consolidated score of **55 %**

Online Assignments	21.67/25	Proctored Exam	33/75
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Total number of candidates certified in this course: **811**

Jul-Sep 2024
(8 week course)

Prof. T. V. Bharat
Head, Centre for Educational Technology
NPTEL, Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

Roll No: NPTEL24C8623342400937 To verify the certificate No. of credits recommended: 2 or 3

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SALONI DHANPAL GHODICHOR
for successfully completing the course

Fundamentals of Object Oriented Programming

with a consolidated score of **54 %**

Online Assignments	21.22/25	Proctored Exam	33/75
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Total number of candidates certified in this course: **5246**

Jan-Apr 2025
(12 week course)

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator, CDC

Prof. Rajanya Pathania,
Professor (ISRE)
Coordinator (NPTEL)

Indian Institute of Technology Roorkee

Roll No: NPTEL25C5345652800620 To verify the certificate No. of credits recommended: 3 or 4

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
NIKHIL VIJAYRAO DONGARE
for successfully completing the course

Blockchain and its Applications

with a consolidated score of **54 %**

Online Assignments	22.5/25	Proctored Exam	31.5/75
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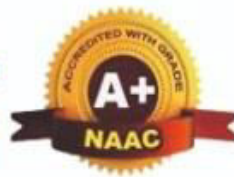
Total number of candidates certified in this course: **4124**

Jan-Apr 2025
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL25C5085652802045 To verify the certificate No. of credits recommended: 3 or 4



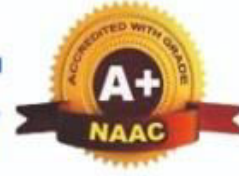
Student Awards

Sr. no.	Name of Student	Awards
1	1. ArvindDhage 2. BadalNinawe 3. SushantNamurte 4. VaibhavDurge	3rd Prize at the National Level Project Competition–Pratikruti-2K25, organized by YCCE, Nagpur
2	1. ArvindDhage 2. BadalNinawe 3. SushantNamurte 4. VaibhavDurge	2nd Prize at the State Level Project Exhibition Cum Poster Presentation–TECHFESTC-2K25, organized by Siddhivinayak Technical Campus, Shegaon
3	1. Ranamandeep Singh 2. Vedangi Ghode	2nd Prize in the Biz Ignite Poster Making and Presentation Competition organized by Datta Meghe Institute of Management Studies

Glimses:-



Third year students from Computer Science & Engineering Department have secured 3rd Prize at the National Level Project Competition–Pratikruti-2K25, organized by YCCE, Nagpur



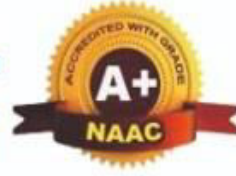
2nd Prize in the Biz Ignite Poster Making and Presentation Competition organized by Datta Meghe Institute of Management Studies! Winners: 1. Ranamandeep Singh
2. Vedangi Ghode

2nd Prize at the State Level Project Exhibition Cum Poster Presentation–TECHFESTC-2K25, organized by Siddhivinayak Technical Campus, Shegaon!

Winners 1. Arvind Dhage

2. Badal Ninawe
3. Sushant Namurte
4. Vaibhav Durge





Student Creative Corner

स्कूल

स्कूल की दीवारें, बचपन की यादें,
 मित्रों की मुस्कान, शिक्षकों की दुआएँ।
 पुस्तकों की दुनिया, ज्ञान की राहें,
 शिक्षा की यात्रा, भविष्य की संभावनाएं।

कक्षा की घंटी, पढ़ाई की धुन,
 शिक्षकों का प्यार, मित्रों का साथ।
 हर दिन एक मौका, सीखने का अवसर,
 भविष्य की नींव, वर्तमान की मेहनत।

यादें रहेंगी साथ, बिछड़ने के बाद भी,
 मित्रों की दोस्ती, शिक्षकों का प्यार।
 स्कूल की यादें, जीवन की धरोहर,
 आगे की राहें, नई संभावनाएं।

गुंजन भगत

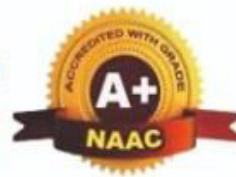
2nd year Sec A

Dreamcatcher

Dreams in mind, shining bright
Chasing the sun, dancing in light
Every step forward, a new stride
Making dreams reality, with heart and pride

Mrunmayee Khapne

2nd year sec B



Rank Holders

2 nd year / 3 rd sem			
Rank	Name of Students	Marks out of 650	Percentage/SGPA
1	Mr. Tomesh Kurzekar	617	10.00
2	Mr. Preet Gawali	607	9.86
3	Ms. Aashta Nakhate	595	9.73
	Mr. Vivek Nandgirwar	593	9.82

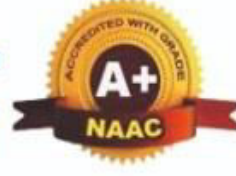
3 rd year / 5 th sem			
Rank	Name of Students	Marks out of 650	Percentage/SGPA
1	Shejal Burele	607	10.00
2	Tryambak Panchal	570	9.81
3	Yash Waghmare	554	9.76

4 th year / 7 th sem			
Rank	Name of Students	Marks out of 750	Percentage /SGPA
1	Ms. Saloni Sontakke	592	90.56%
2	Ms. Akanksha Ingole	655	81.11%
3	Ms. Anushka Kamble	583	80.56%



Placements

Sr.No.	Name Of Student	Gender	Branch	Contact No.	Company	UG/PG	College	Batch	PKG
1	Dhanashree Borkar	F	CSE	9356837127	TCS	UG	TGP	2025	7
2	Akanksha Ingole	F	CSE	8080951017	S3N Consulting Service, Nagpur	UG	TGP	2025	3.5-4
3	Saurabh Tembhume	M	CSE	9356827258	Info Origin Pvt Ltd, Gondia	UG	TGP	2025	3,5-4
4	Stuti Ranvindra Bhajipale	F	CSE	8390591737	Info Origin Pvt Ltd, Gondia	UG	TGP	2025	3.5-4
5	Saloni Sontakke	F	CSE	7218533642	KodNest Technologies Pvt Ltd	UG	TGP	2025	5
6	Pranjaj Shinde	M	CSE	9403054954	The Kiran Academy	UG	TGP	2025	2.4-3.5
7	Pranil Bansod	M	CSE	9067463852	The Kiran Academy	UG	TGP	2025	2.4-3.5
8	Pratham Gedam	M	CSE	8237630822	The Kiran Academy	UG	TGP	2025	2.4-3.5
9	Vaishnavi Aher	F	CSE	7020340205	The Kiran Academy	UG	TGP	2025	2.4-3.5
10	Sopan Dattaramji Bharkad	M	CSE	8767508237	Qspiders, Bangalore	UG	TGP	2025	3.5-5.5
11	Angal Bagade	F	CSE	7058308757	MS IT Service Pvt Ltd, Nagpur	UG	TGP	2025	2.4-3.5
12	Lipakshi Banpurkar	F	CSE	8767264914	Wayspire	UG	TGP	2025	7



Media Corner



गायकवाड कॉलेज येथे व्याख्यान

नागपूर : गायकवाड पाटील कॉलेज ऑफ इंजिनीअरिंग अँड टेक्नॉलॉजीच्यावतीने कम्प्युटर नेटवर्क्स आणि एनएस २ सॉफ्टवेअरवर व्याख्यान आयोजित केले होते. राज अरोरा यांनी या विषयावर मार्गदर्शन केले. आयएसटीई आणि सीएसआय स्टुडेंट्स चेंटरअंतर्गत आयोजित या कार्यक्रमात द्वितीय आणि तृतीय वर्षाच्या विद्यार्थ्यांनी सहभाग घेतला. अरोरा यांनी या विषयाचे विविध पैलू उलगडले आणि विद्यार्थ्यांच्या प्रश्नांना उत्तर दिले. यावेळी, प्राध्यापक आणि विद्यार्थी उपस्थित होते.



थोडक्यात

गायकवाड पाटील महाविद्यालयात दोन दिवसीय पायथॉन फॉर एआय कार्यशाळा संपन्न



■ महासागर प्रतिनिधी,

गुमगाव, दि. ०२ :

तुळशीरामजी गायकवाड-पाटील अभियांत्रिकी आणि तंत्रज्ञान महाविद्यालय नागपूरच्या संगणक विज्ञान आणि अभियांत्रिकी, नुकतेच आयएसटीई आणि सीएसआय विद्यार्थ्यांच्या अध्यायांतर्गत दोन दिवसीय पायथॉन फॉर एआय कार्यशाळेचे आयोजन केले होते, ज्यामध्ये तृतीय वर्षाच्या विद्यार्थ्यांचा उत्साहपूर्ण सहभाग होता. या कार्यक्रमात अख-विकासात पायथनचे महत्त्व अधोरेखित करणारी अंतर्दृष्टीपूर्ण सत्रे आणि व्यावहारिक व्यायामांचा समावेश होता. उडए चे प्रमुख प्रा. अभिमन्यू दुतोंडे यांनी सर्व सहभागी आणि अतिथी वक्त्यांचे कृतज्ञता व्यक्त करून, विद्यार्थ्यांना आवश्यक अख-कौशल्ये सुसज्ज करण्याच्या कार्यशाळेच्या भूमिकेवर भर दिला.



Department official links



Instagram:- https://www.instagram.com/cse_tgpcet/



LinekedIn:- https://www.linkedin.com/in/cse-department-tgpceta18838296?lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base_contact_details%3BU9FLQb%2BgREK%2F40A1p6ma%2FQ%3D%3D



Facebook:- <https://www.facebook.com/cse.tgpcet>



WhatsApp:-

<https://chat.whatsapp.com/Cn7Ar8ocReP0ZyHokDskwK>

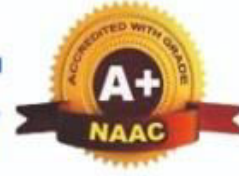
DTE Code: 4151

www.tgpcet.com



TULSIRAMJI GAIKWAD-PATIL

College of Engineering & Technology



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