

NAAC Accredited

Vidarbha Bahu-uddeshiya Shikshan Sanstha's

TULSIRAMJI GAIKWAD-PATIL

College of Engineering & Technology

DTE
CODE
4151



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DEPARTMENT OF COMPUTER SCIENCE
AND ENGINEERING
PRESENTS

NEWSLETTER

Session 2024-2025



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Vision of Institute

To emerge as 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.**

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 strengthen the Industry-Institute Interaction for stakeholders to become successful entrepreneurs.**

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

Established with B.E. CSE in the year 2007-08 with an intake of 120 and M. Tech CSE in 2011-12 with an intake of 36. Department focus on Research and training activities are based on -

- Advanced computational methods for modeling, analyzing, and solving complex tasks in technology and science.**
- Fundamental computer science methods for the analysis of large and high- dimensional data sets For the modeling and design of complex software, networking and other computational systems.**
- Exposing students to the developments in the field of computing, thereby enabling them to meet the needs of the IT industry and research organizations in India and abroad.**

Messages



Dr. Mohan Gaikwad Patil
Chairman, Gaikwad-Patil
Group of Institutes

I am delighted that Department of Computer Science and Engineering of Tulsiramji Gaikwad-Patil College of Engineering & Technology has published the Department magazine. The Editorial Board has done a fair job to put up facts before students, parent and community. To express one's thought, Department Magazine is the best platform and this is what our students have expressed in terms of contributions towards the magazine. I congratulate Editorial Board for unleashing the hidden potential of the student and making this Magazine a chapter of Tulsiramji Gaikwad-Patil College of Engineering.



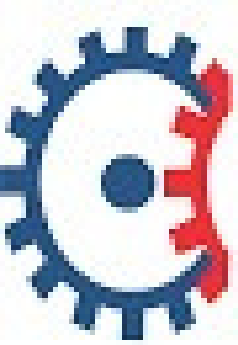
Dr. P. L. Naktode
Principal

As the principal of the college, it is my testimony here that, in the past year, despite the challenges presented by the global landscape, our students and faculty have displayed remarkable resilience and adaptability. From groundbreaking research initiatives to artistic expressions that stir the soul, each contribution adds to the unique character of our college. As we delve into the pages of this e-magazine, I encourage you to embrace the stories, insights, and accomplishments that showcase the collective spirit of our community. It is through collaboration, understanding, and a shared commitment to excellence that we continue to shape the future of our college



Prof. Pragati Patil
Vice Principal

At the outset, I warmly applaud TGPCET for bringing us the latest edition of the college magazine "BYTE 23". This magazine is intended to bring out hidden literacy talent of students and faculty and also to inculcate leadership skills among them. It is a great pleasure to see the creative expressions of students who had contributed. This magazine has made an earnest attempt in this direction and brought out certain aspects of the college to the eyes of the public so that they may understand and know the college even better. I strongly believe that it would be an excellent medium through which the world can learn about the potential and achievements of TGPCET. I congratulate the members of the editorial board for their tireless efforts. Wishing the magazine, a lasting success!



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FROM THE HEAD OF THE DEPARTMENT



I'm excited to introduce "**Byte Code**", our department's magazine dedicated to bridging the gap between academics and industry. Through insightful guest lectures, engaging industrial visits, and inspiring alumni stories, Byte Code enriches students' learning experiences and connects theoretical concepts with real-world applications. Explore Byte Code to see how we bring industry expertise to the classroom and showcase our commitment to educational excellence. Discover our department's achievements and innovations in each issue!

Dr. Lowlesh Yadav
Head of Department
Computer science engineering

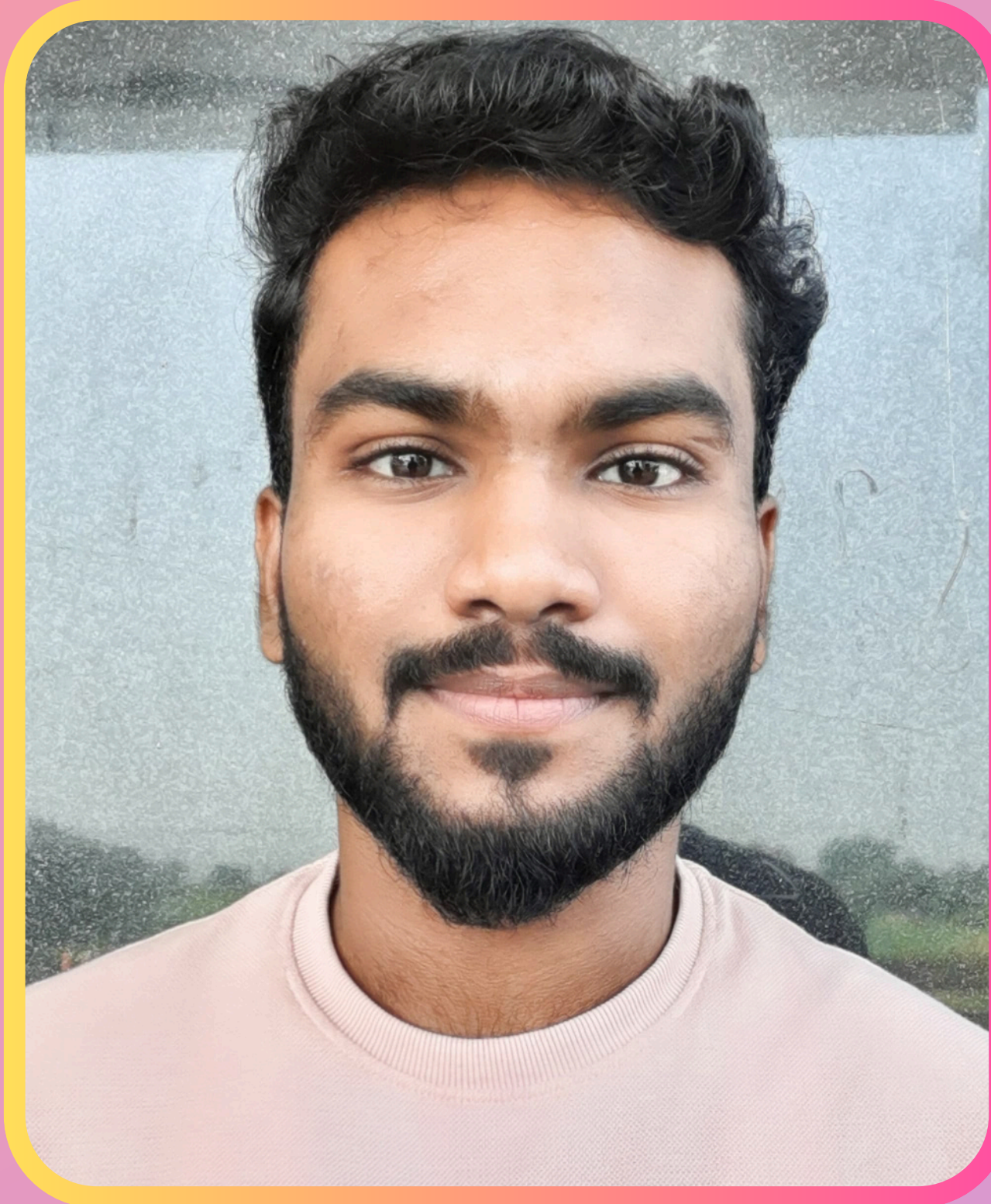
Editorial Board



Prof. Shubhkirti Bodkhe

Welcome to “**NEWSLETTER**”, that brings you the latest from our department's vibrant community of students, faculty, and alumni! As the editor, I am thrilled to present this edition, packed with stories of innovation, excellence, and achievement. From industrial visits that take our students behind the scenes of cutting-edge companies, to guest lectures that bring industry experts to our campus, we have it all. Our publications section showcases the research and ideas that are shaping the future of technology, while our alumni stories inspire us with their journeys and accomplishments. I hope you enjoy reading Byte Code as much as we enjoyed creating it. Happy reading.

Editorial Body



Mr. Aditya Thakre
Chief Editor

Branch: CSE (4th Sem)



Mr. Preet Gawali
Branch: CSE (4th
Sem)



Mr. Mahesh Wadhi
Branch: CSE (4th
Sem)



Mr. Piyush Narnaware
Branch: CSE (4th Sem)

Faculty.



Prof. Ashvini Mahajan



Prof. Aditya Lavhale



**Prof. Bramhadev
Wadibhasme**



**Prof. Shubhkirti
Bodkhe**



Prof. Komal Naxine



Prof. Diksha Fulzele



Prof. Mrunali Jadhav



Prof. Jayant Adhikari



Prof. Anita Yadav

Industrial Visit to Oakland Systems Pvt. Ltd., Nagpur: A Transformative Learning Experience for CSE Students



On July 27, 2024, 35 CSE students from Tulsiramji Gaikwad-Patil College visited Oakland Systems Pvt. Ltd. They gained practical insights into the MedNets hospital management system, exploring software development and real-world applications. The visit emphasized modern tools, ethical practices, and inspired innovation in healthcare technology.

Industrial Visit to Oakland Systems Pvt. Ltd. - Bridging Theory and Practice

On Date 27 JULY 2024

CSE students from Tulsiramji Gaikwad-Patil College visited Oakland Systems, Nagpur, on July 27, 2024. The visit offered insights into the MedNets hospital management system, bridging theory and practice. Guided by industry experts, students gained hands-on exposure to software development, modern tools, and ethical practices, enhancing their understanding of real-world applications in healthcare technology.



Industrial Visit to Oakland Systems Pvt. Ltd. Offers Practical Insight

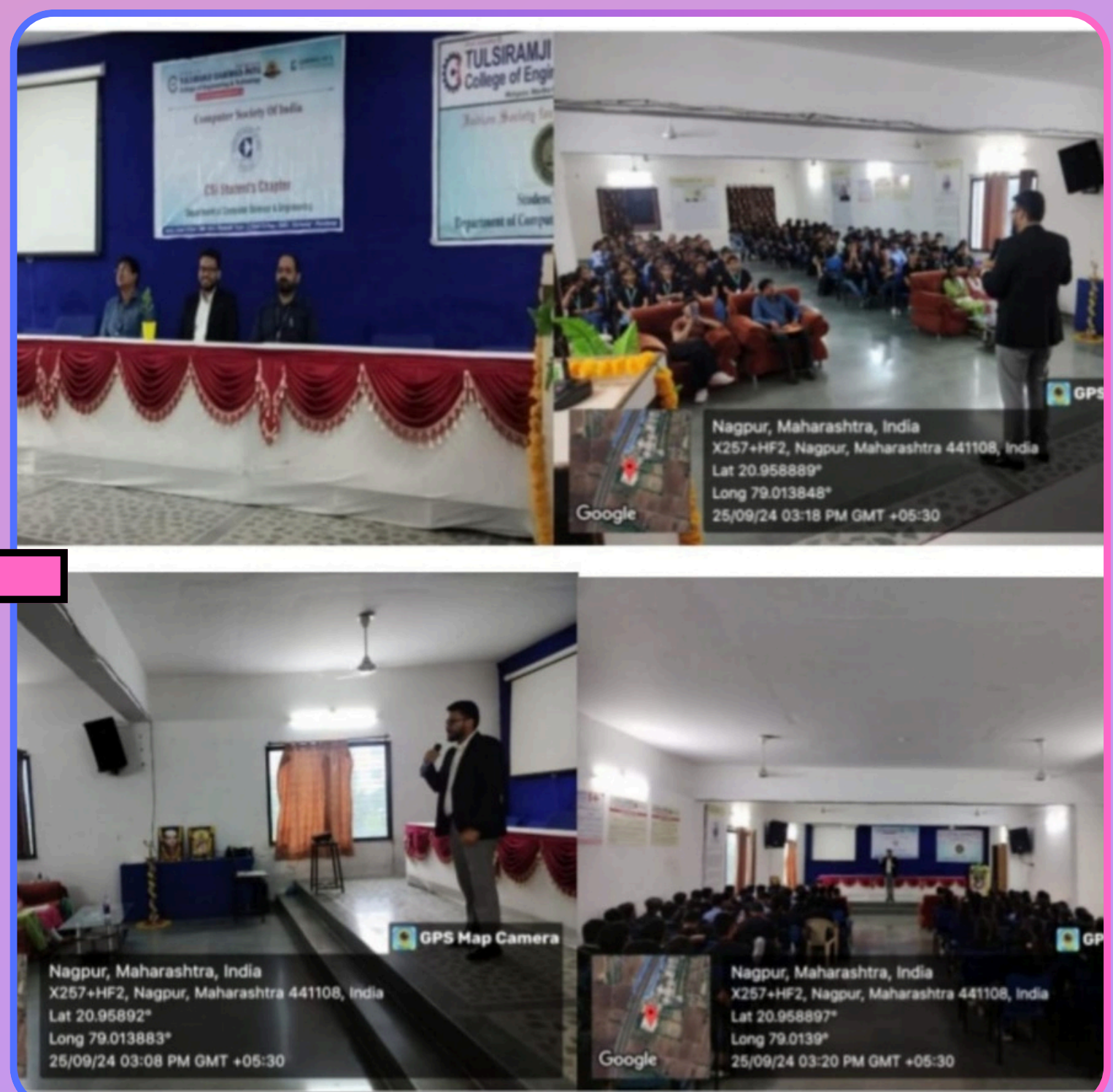
On Date 27 JULY 2024

CSE students from Tulsiramji Gaikwad-Patil College visited Oakland Systems, Nagpur, on July 27, 2024. The visit focused on the MedNets hospital management system, providing hands-on exposure to software development. Guided by experts, students explored modern tools and ethical practices, bridging academic concepts with real-world applications in healthcare technology, enriching their practical knowledge and skills.

Guest Lecture on "Data Analytics"

On Date 25 SEPTEMBER 2024

On September 25, 2024, Mr. Aniruddh Kalbande, MD of Fireblaze Technologies, delivered a guest lecture on Data Analytics at Tulsiramji Gaikwad-Patil College. Attended by 125 students, the session explored concepts, tools like Python and R, and real-world applications in healthcare, finance, and e-commerce. It highlighted career opportunities, engaged students interactively, and received overwhelmingly positive feedback.



Two-Day Workshop on Cyber Security

On Date 1st 5 OCTOBER 2024

Organized by Tulsiramji Gaikwad-Patil College of Engineering and Technology in collaboration with Softsense Technoserve Pvt. Ltd.

Covered key concepts like encryption, decryption, data communication, and penetration testing. Aimed to bridge the gap between theoretical knowledge and industry practices. Equipped students with the tools and techniques required to excel in the field of cyber security



Day 1

Day 2

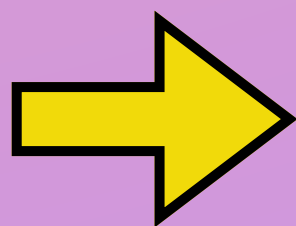


image glimpse

Hackathon



Cultural Fest



Forum Installation Ceremony



Award Ceremony



Faculty development prog organised at TGPCET

The Department of Computer Science and Engineering and Data Science Engineering at TGPCET, Nagpur, organised an ISTE Self-Sponsored One Week Faculty Development Programme (FDP) on "Multifaceted Nature of Artificial Intelligence" recently. The on-line event, inaugurated by chief guest Dr Suresh Shan and other esteemed dignitaries, featured expert sessions by renowned professionals like Dr Tausif Diwan, Dr Aatul Wadegaonkar and

Bastin Robins.

Supported by the college management, including chairman Dr Mohan Gaikwad-Patil and principal Dr PL Naktode, the programme was successfully coordinated by Prof. Abhimanyu Dutonde and Dr Prashant Thakare. The valedictory function highlighted AI's transformative potential and participants lauded the sessions for their practical applicability in research and teaching.

Nagpur First
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जेनेरेटिव एआई पर गेस्ट लेक्चर

सिटी भास्कर | नागपुर. कंप्यूटर साइंस और इंजीनियरिंग विभाग, तुलसीरामजी गायकवाड-पाटील कॉलेज ऑफ इंजीनियरिंग एंड टेक्नोलॉजी ने आईएसटीई और सीएसआई स्टूडेंट चेंप्टर के तहत जेनेरेटिव एआई पर एक महत्वपूर्ण गेस्ट लेक्चर का आयोजन किया। विशेषज्ञ अनिरुद्ध कालबंदे ने कार्यक्रम का उद्देश्य बताते हुए कहा कि छात्रों को उभरते डेटा परिदृश्य के लिए कौशल से लैस करना है।

छात्रों ने जेनेरेटिव एआई सिद्धांतों, छवि निर्माण, टेक्स्ट सिंथेसिस एंड नेचुरल लैंग्वेज प्रोसेसिंग जैसे एप्लिकेशन्स की एक विस्तृत शृंखला के बारे में जानकारी हासिल की। यह पहल शिक्षा जगत और उद्योग के बीच सहयोग को बढ़ावा देने के लिए कॉलेज के समर्पण को रेखांकित करती है। कंप्यूटर साइंस एवं इंजीनियरिंग विभाग के अध्यक्ष प्रो. अभिमन्यु दुतोंडे एवं अन्य प्रोफेसर इस दौरान उपस्थित थे।



गायकवाड पाटील अभियांत्रिकी महाविद्यालयात फेस्टिवल दिवस उत्साहात...



विदर्भ कल्याण / देवेन्द्र सिरसाट

हिंगणा : तुळशीरामजी गायकवाड-पाटील अभियांत्रिकी आणि तंत्रज्ञान महाविद्यालयातील संगणक विज्ञान आणि अभियांत्रिकी विभागाने अंतिम वर्षाच्या विद्यार्थ्यांचा निरोप समारंभ नुकताच साजरा करण्यात आला. या समारंभाचे आयोजन तृतीय वर्षाच्या विद्यार्थ्यांनी केले होते हा कार्यक्रम यशस्वी रित्या पार पडला.

कार्यक्रमाच्या दिवसी विद्यार्थी आणि शिक्षकवृंद एकत्र येऊन उत्सवाची सुरुवात उत्साहवर्धक डीजे संगीताने झाली, त्यानंतर प्रतिभावान विद्यार्थ्यांचे नृत्य, संगीत आणि विविध सांस्कृतिक सादरीकरणे झाले. सर्व उपस्थितांसाठी

भोजनाची व्यवस्था केली होती. या कार्यक्रमाचे वैशिष्ट्य म्हणजे सत्कार समारंभ, जेथे विभागप्रमुख आणि प्राध्यापक सदस्यांनी अंतिम वर्षाच्या विद्यार्थ्यांना स्मृतिचिन्ह देऊन गौरविले. प्राध्यापकांनी पदवीधरांच्या भविष्यातील प्रयत्नांसाठी शुभेच्छा दिल्या. डॉ. मोहन गायकवाड पाटील, आकाश गायकवाड पाटील, डॉ. संदीप गायकवाड, प्राचार्य डॉ. पी.एल. नाकतोडे, उपप्राचार्य डॉ. प्रगती पाटील, यांचे विशेष आभार सी.एस.ई विभागाचे प्रमुख प्रा. अभिमन्यू दुतोंडे यांनी मानले. या समारंभाचा यशस्वितेसाठी प्रा.ब्रह्मदेव वाडीभस्मे, आदित्य लव्हाळे यांचासह सर्व विभागीय प्राध्यापकांनी सहकार्य केले.



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 चेंप्टरअंतर्गत 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.

देशोन्नती

कॉम्प्युटर सोसायटी ऑफ इंडिया विद्यार्थी अध्याय उद्घाटित

गुमगाव ■ तुळशीरामजी गायकवाड-पाटील अभियांत्रिकी आणि तंत्रज्ञान महाविद्यालयात संगणक विज्ञान आणि अभियांत्रिकी विभागाच्या सीएसआय विद्यार्थी अध्यायाचे 'उद्घाटन' प्रमुख पाहुणे सीएसआय विद्यार्थी चेंप्टर (मुखर्षी) अध्यक्ष डॉ. सुरेश शान यांच्या हस्ते करण्यात आले. आणि 'दमकुलत फोरम' पुन्हा स्थापना करण्यात आली.

यावेळी विद्यार्थी पदाधिकार्यांना वीथ व्हास, ए-२०२३ कॉलेज टॉपरचा सत्कार करण्यात आला. जीपीसी अध्यक्ष डॉ. मोहन गायकवाड-पाटील



यांच्या हस्ते विद्यार्थी नेतृत्वाने प्रेरित होऊन जीपीसीआयचे उपाध्यक्ष आकाश गायकवाड-पाटील, खविनदार डॉ. सविन गायकवाड यांनी वीथीक उन्मुक्ततेची बांधिलकी करिली. प्राचार्य

टीजीपीसीईटी, डॉ. पी.एल. नाकतोडे व उपप्राचार्य प्रा. प्रगती पाटील, सीएसई एचलोडी प्रोफेसर अभिमन्यू दुतोंडे यांनी सक्रिय सहभागाने प्रतिष्ठा वाढवली. (वार्ताहर)