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2026

KALEIDOSCOPE

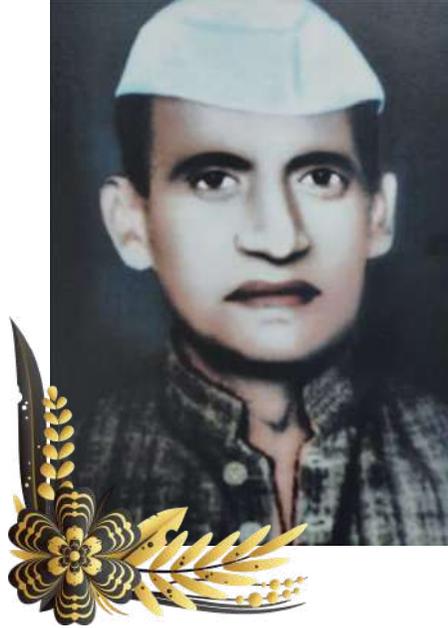
VISION

To emerge as a learning Center of Excellence in the National Ethos in Diploma in Engineering.

MISSION

- ▶ To elevate the standards of students through ethical practices.
- ▶ To provide facilities and services to meet the challenges of Industry and Community.
- ▶ To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices.

Our Inspiration



LATE SHRI. TULSIRAMJI GAIKWAD-PATIL

(1st April 1915-18 July 1986)

The Gaikwad-Patil Group derives its inspiration from Late Shri. Tulsiramji Gaikwad-Patil, the grandfather of the Chairman of the Group, Dr. Mohan Gaikwad-Patil. A man far ahead of his times, Shri. Tulsiramji Gaikwad-Patil was primarily an agriculturist, but also a true connoisseur with many varied interests. One of his passions was education. This visionary bucked the trend of sending sons into agriculture and ensured excellent education for his children and grandchildren. It was his foresight that took the family from being rural landlords to urban, uber-class professionals and entrepreneurs. It would not be far wrong to say that the real foundation of the Gaikwad-Patil Group was laid by Shri. Tulsiramji Gaikwad-Patil's ability to look into the future.

In the near future, the GPGI is poised to become one of the best and most dynamic institutions which will cater to varied educational needs of the increasingly bustling region of Vidarbha. With the ever increasing levels of competition in the education sector, there is always an opportunity of moving beyond expectations, creating new milestones and benchmarks.

VISIONARY

DR. MOHAN GAIKWAD-PATIL

Chairman, Gaikwad-Patil Group



Nurturing creativity and inspiring innovation are two of the key elements of a successful education, and a college magazine is the perfect amalgamation of both. I am delighted that Tulsiramji Gaikwad-Patil College of Engineering & Technology has published the college magazine "KALEIDOSCOPE" which showcases the talent and skills of the students in academics, curricular and extracurricular activities. The Editorial Board has done a fair job to put up facts before students and parent community. To express one's thought, College Magazine is the best platform and this is what our students have expressed in terms of contributions towards the magazine. I appreciate Editorial Team for unleashing the hidden potential of the student and making this Magazine a chapter of TGPCET history.

MR. AKASH GAIKWAD-PATIL

Vice-Chairman, Gaikwad-Patil Group



"Education is the most powerful weapon you can use to change the world." It gives me an immense pleasure to enlighten that Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur provides a platform for every students to develop his/her learning skills through the college magazine "KALEIDOSCOPE". This magazine will enlighten you with the important milestones that College has achieved this year. Besides, our budding talents have expressed their thoughts, ideas, hopes, feelings, aspirations and convictions in a creative way. The students were participated in seminars, workshops and industrial visits to improve the skills required. This magazine is a good source of guidance for faculty and coming batches of students in choosing activities of their choice in their future for building their career. I congratulate all the stake holders including editorial board and students of the college for bringwing this edition of Magazine 23-24. Wish you all the best.

VISIONARY

DR. ANJALI GAIKWAD-PATIL

President, Gaikwad-Patil Group of Institutions



New beginnings bring in joy and excitement. It is my pleasure to put a write up for the college magazine "KALEIDOSCOPE". A college magazine is an eloquent expression of the progress and outstanding achievements that a college has to its credit. An academic institution magazine carries the contributions reflecting spirit and goals of the students, faculty and other team members of an institution. Through College Magazine students get an opportunity to exhibit their extracurricular talents. They get an opportunity to pen down their thoughts and talents and make the people around them know about the glory of their institution. The role of a magazine is therefore vital in promoting what an institution offers. I take this opportunity to congratulate Editorial Board for their unrelenting efforts in compiling this magazine.

DR. SANDEEP GAIKWAD-PATIL

Treasurer, Gaikwad-Patil Group of Institutions



It gives me pleasure that the TGPCET is presenting out College Magazine "KALEIDOSCOPE". We, at the management, are ever willing to encourage and support activities by students and faculty to promote the cause of the quality education in our campus. Presentation like this brings into light a wide variety of engineering & technology innovation. They also provide the much needed exposure, which proves a stepping stone for the future careers of students. As an institution conceived and created solely by academicians, we are trying our best to provide varied learning opportunities to our student. This magazine is one more step in this direction. The overwhelming response we received from all students of College is proof enough that we are marching in the right direction.

VISIONARY

DR. GEETA PADOLE-GAIKWAD

Director(Admission), Tulsiramji Gaikwad-Patil College of Engineering and Technology



Welcome to TGPCET! As the Director of the Admission Cell, I extend a heartfelt welcome to our vibrant community. We're here to support your academic journey and help you thrive. Embrace new experiences, forge connections, and aim for excellence. We're excited to see you grow and succeed at TGPCET.

Thank you for choosing TGPCET as your academic home! Our campus is a place where innovation meets tradition, where opportunities abound, and where dreams take flight. As you embark on this exciting chapter of your life, remember that our dedicated faculty and staff are here to guide you every step of the way. From state-of-the-art facilities to a rich tapestry of extracurricular activities, there is no shortage of ways for you to explore your interests and talents. Embrace the challenges, celebrate the victories, and always remember that you are an integral part of our TGPCET family. Together, let's create a future filled with possibilities and endless opportunities for growth and success. Welcome aboard, and may your journey be one of discovery, learning, and fulfillment.

DR. P. L. NAKTODE

Principal, Tulsiramji Gaikwad-Patil College of Engineering and Technology



It is matter of delight to know that Tulsiramji Gaikwad Patil College of Engineering & Technology is publishing College Magazine "KALEIDOSCOPE". Technology is moving at a very fast pace. What was breakthrough yesterday is absolute today. This has made it imperative that future technocrats must be familiar not only with technical skill but also with the technology of tomorrow. Creation of such magazine has a definite purpose and goal. It will provide information on the different aspects of the all departments and its program for the benefits of student and public at large. This magazine we believe will help us in pursuing our goals in a more effective and meaningful way. I hope your humbles effort will go a long way in putting the college the information super highway for making the institution a real instrument of socio economics change while improving the quality of education through technology. It is for the faculty and student to put this magazine to better use and achieve the desired result. I sincerely hope that it will mark a new chapter in the history of great achievement of the institution.

VISIONARY

DR. PRAGATI PATIL

Vice-Principal, Tulsiramji Gaikwad-Patil College of Engineering and Technology



At the outset, I warmly applaud TGPCET for bringing us the latest edition of the college magazine "KALEIDOSCOPE". 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.

DR. NITEEN KAKADE

Dean, Tulsiramji Gaikwad-Patil College of Engineering and Technology POLYTECHNIC



Education means bringing out idea of Universal validity which is latent in the mind of every one. Our motto is to provide quality education and we have been striving for this goal right from the inception. We not only concentrate on studies but also try to inculcate manners, conduct, good habits as part of a conviction that education is a process of self-realization, which stays with a person for life. In keeping with the changing approach of modern education, our College emphasizes on teaching through practical application at every experience and the learning process fast easier and eminently accessible proposition. We have endeavoured to leverage advancement of information technology directly to the class-room for easy understanding for our students. This also entails that we set up world class infrastructure, state of the art laboratories, technology standard grounds courts, create serene and idyllic environment conducive to individual's growth. We shall strive to ingrain into child a deep sense of what is right and what is wrong, and live his life with his own convictions. My goal shall be educate my wards for life.

TABLE OF CONTENT

»»	About College	1
»»	Vision and Missions	2
»»	Editorial Board	8
»»	Toppers	10
»»	Expert Lectures	14
»»	Workshop	17
»»	Industrial Visit	21
»»	Christmas Craze 2k26	28
»»	Tech Fusion 2k26	29
»»	Achievements	30
»»	Placement	36
»»	NSS	38
»»	Diploma Award Ceremony	40
»»	Induction Program	41
»»	Poetry	42
»»	Articles	45
»»	Sports and Activities	49
»»	Photography	50
»»	Utkarsh 2K25	51
»»	Farewell	52
»»	Industry MoU	53



DTE Code: 4151

MSBTE Code: 1683

TULSIRAMJI GAIKWAD-PATIL
College of Engineering & Technology

Approved by AICTE, Recognized by Govt. Maharashtra & Affiliated to MSBTE, Mumbai

— POLYTECHNIC —



GAIKWAD-PATIL
GROUP OF INSTITUTIONS



Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) Second Shift Polytechnic was established in the year 2013 by Vidarbha Bahu-Uddeshiya Shikshan Sanstha (VBSS), a registered society. It is a self financed Private Polytechnic , which is affiliated to Maharashtra State Board of Technical Education (MSBTE) Mumbai 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.

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

VISION

"To emerge as a learning Centre of Excellence in the domain of Computer Science and Engineering to produce proficient diploma engineers."

MISSION

- To impart quality technical education in the field of Computer Science & Engineering and develop the skill through modern teaching & learning method.
- To provide learning environmental to face societal and industrial challenges of Computer Science & Engineering.
- To ensure overall development of students and staff members by inculcating knowledge and professional ethics as a part of lifelong learning.

PROGRAM OUTCOMES (PO)

1. Basic and Discipline specific knowledge:

Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

2. Problem analysis: Identify and analyze well-defined engineering problems using codified standard methods.

3. Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

7. Life-long learning: Ability to analyze individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES(PSO)

- Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.
- Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- PEO1: Provide socially responsible, environment friendly solutions to Computer engineering related broad based problems adapting professional ethics.
- PEO2: Adapt state-of-the-art Computer engineering broad-based technologies to work in multi-disciplinary work environments.
- PEO3: Solve broad-based problems individually and as a team member communicating effectively in the world of work.

ELECTRICAL ENGINEERING DEPARTMENT

VISION

"To Emerge as a learning Centre in the Domain of Electrical Engineering."

MISSION

- To impart quality technical education through effective teaching & learning process.
- To provide learning environment to face societal and industrial challenges of Electrical Engineering.
- To ensure overall development of students and staff members by inculcating knowledge and professional ethics as a part of lifelong learning.

PROGRAM OUTCOMES (PO)

1. Basic and Discipline specific knowledge:

Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

2. Problem analysis: Identify and analyze well-defined engineering problems using codified standard methods.

3. Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

7. Life-long learning: Ability to analyze individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES(PSO)

- Maintain various types of static and rotating electrical equipment and power systems with their controls.
- Install and maintain all types of illumination and utilization systems in residential, commercial, and industrial sectors, considering the conservation of electrical energy.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- PEO1: Provide socially responsible, environment friendly solutions to Electrical engineering related broad-based problems adapting professional ethics.
- PEO2: Adapt state-of-the-art Electrical engineering broad-based technologies to work in multi-disciplinary work environments.
- PEO3: Solve broad-based problems individually and as a team member communicating effectively in the world of work.

MECHANICAL ENGINEERING DEPARTMENT

VISION

"To be a premier center for producing competent Mechanical Engineers to cater the ever- changing industrial demands and societal needs."

MISSION

- To provide better environment to the students and faculty members, creating an ambience conducive for excellence in Mechanical Engineering education.
- To strengthen industry institute interaction to made the challenges of industry and society
- To impart quality technical education to inculcate moral values, professional ethics and entrepreneurial qualities.

PROGRAM OUTCOMES (PO)

1. Basic and Discipline specific knowledge:

Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

2. Problem analysis: Identify and analyze well-defined engineering problems using codified standard methods.

3. Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

7. Life-long learning: Ability to analyze individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES(PSO)

- Modern Software Usage: Use latest mechanical related software for simple design, drafting, manufacturing, maintenance and documentation of mechanical components and processes.
- Maintenance and selection of machines, equipment, instruments: Maintain and select appropriate machine, equipment and instrument in field of Mechanical Engineering.
- Manage Mechanical Process: Manage the mechanical process by selection and scheduling right type of machinery, equipment, substrates, quality control techniques, operational parameters and software for a particular mechanical process or job for economy of operations

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- PEO1: Provide socially responsible, environment friendly solution to mechanical engineering related broad-base problem adopting professional ethics.
- PEO2: Adapt state of the art, mechanical engineering broad-based technologies to work in multi-disciplinary work environment.
- PEO3. Solve broad-based problems individually and as team member communicating effectively in the world of work

CIVIL ENGINEERING DEPARTMENT

VISION

"To impart quality technical education in civil engineering to develop employable civil diploma engineers."

MISSION

- To provide essential knowledge & skill to develop employable civil engineer.
- To Motivate the faculty members and students in the teaching learning process for achieving excellence to meet the global standard.
- To produce engineers with high professional and ethical standards for fulfilling the needs of the industry and society.

PROGRAM OUTCOMES (PO)

1. Basic and Discipline specific knowledge:

Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

2. Problem analysis: Identify and analyze well-defined engineering problems using codified standard methods.

3. Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

7. Life-long learning: Ability to analyze individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES(PSO)

- Construct and maintain roads, bridges irrigation structure and buildings
- Use appropriate Techniques to test the civil engineering material

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- To create civil engineering professionals ready for industry, government or other Organizations by implementing efficient civil engineering practices.
- To Make use of formal and informal learning opportunities to sustain and improve technical, Personal and professional growth and get various licensure.
- To develop professional skills and by using modern tools in civil engineering.
- To relate broad civil engineering education for effective communication of civil Engineering concepts orally and in written forms.
- To guide principles of sustainable development and to promote the students for continuous Learning and development with professional moral and ethical values.

INFORMATION TECHNOLOGY DEPARTMENT

VISION

To guide principles of sustainable development and to promote the students for continuous Learning and development with professional moral and ethical values.

MISSION

- To impart quality technical education through effective teaching-learning, developing skills.
- To develop a platform that bridges societal needs with IT industry solutions.
- To ensure holistic development through knowledge, ethics, and lifelong learning.

PROGRAM OUTCOMES (PO)

1. Basic and Discipline specific knowledge:

Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

2. Problem analysis: Identify and analyze well-defined engineering problems using codified standard methods.

3. Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

7. Life-long learning: Ability to analyze individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES(PSO)

- Modern Information Technology: Use latest technologies for operation and application of information.
- Information Technology Process: Maintain the information processes using modern information and communication technologies.
- Computer Software and Hardware Usage: Use state of the art technologies for operation and application of computer software and hardware

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- Provide socially responsible, environment friendly solutions to Information technology related broad-based problems adapting professional ethics
- Adapt state-of-the-art Information Technology broad-based techniques to work in multi-disciplinary work environments
- Solve broad-based problems individually and as a team member communicating effectively in the world of work

ELECTRONIC AND COMMUNICATION ENGINEERING DEPARTMENT

VISION

To Emerge as a learning Centre in the Domain of Electronics & Communication Engineering.

MISSION

- To impart quality technical education and practical training in Electronics and Communication Engineering through effective teaching & learning process.
- To provide learning environment to face societal and industrial challenges of Electronics and Communication Engineering.
- To ensure overall development of students and staff members by inculcating knowledge and professional ethics as a part of lifelong learning.

PROGRAM OUTCOMES (PO)

1. Basic and Discipline specific knowledge:

Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

2. Problem analysis: Identify and analyze well-defined engineering problems using codified standard methods.

3. Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

7. Life-long learning: Ability to analyze individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES(PSO)

- Electronics Equipment: Maintain modern tools, techniques, and simulation software.
- Electronic Systems& communication Network: Maintain electronics circuits and communication systems.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- Provide socially responsible, environment friendly solutions to Electronics & Communication engineering related problems adapting professional ethics.
- Adapt to technological advancement, and pursue higher education or entrepreneurship in Electronics & Communication engineering.
- Solve broad-based problems individually and as a team member communicating effectively in the world of work.

EDITORIAL BOARD



CO-ORDINATOR

AJINKYA GUJARKAR



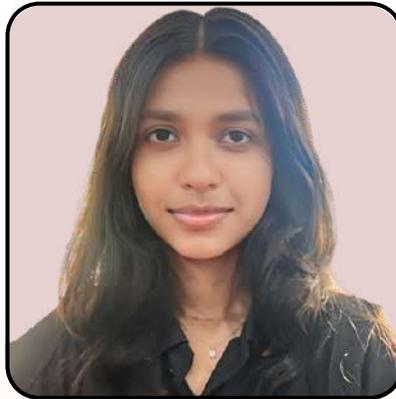
CO-ORDINATOR

NIRAJ KORE



PRESIDENT

HIMANSHU SAKAHE



VICE-PRESIDENT

SAMRUDDHI MESHAM



SECRETARY

PRANAV GOLAIT



MEMBER

RUDRA PATURWAR



MEMBER

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MEMBER

SHIV CHAKOLE

MEMBER BOAED



MEMBER

PRINCY MOON



MEMBER

YAMINI YELNE



MEMBER

KUNAL HAJARE



MEMBER

ABHAY GHAYADE



MEMBER

PIYUSH GARGHATE



MEMBER

ATHARV DHOMNE

TOPPERS

COMPUTER SCIENCE AND ENGINEERING 2nd Year



87.53% Purva Nerkar



82.35% Roza Ali



82.12% Akansha Bhaisare

COMPUTER SCIENCE AND ENGINEERING 3rd Year



90.94% Omkar Pandhre



87.88% Arya Upawanshi



87.18% Tanmay Bawankar

ELECTRICAL ENGINEERING 2nd Year



83.29% Gauri Khurpade



81.07% Manisha Jivtode



75.06% Tarannumsaba sheikh

ELECTRICAL ENGINEERING 3rd Year



81.18% Samiksha raut



80.94% Sanjeevani budhe



80.71% Shreya Mate

TOPPERS

CIVIL ENGINEERING 2nd Year



1
78.24% Rutik Rathode



2
75.06% Satyam Sawarkar



3
75.00% Suhani Bhagat

CIVIL ENGINEERING 3rd Year



1
85.89% Vivkek Ahirkar



2
82.89% Gungun Prajapati



3
82.44% Rakhi Neware

Electronic & Communication Engineering 2ndYear



1
79.67% Krishna Gadhave



2
77.78% Nikhita Yadame



3
75.78% Suhani Wasekar

TOPPERS

Electronic & Communication Engineering 3rdYear



83.08% Sachin Sharma



79.77% Manovrat Shandilya



79.18% Princy Moon

Mechanical ENGINEERING 2nd Year



75.78 % Nagaswarrop Poturi



72 % Sahil Khandagle



70.78 % Vijay Ambule

Mechanical ENGINEERING 3rd Year



85.29 1% Akhil Kujur



80.82 % Arjun Hatagare



80.24 % Sayali Gajbhiye

TOPPERS

Information Technology 2nd Year



81.65% Tejaswini Bandurkar



79.53% Manyta Ingale



79.18% Sharvari Wadhi

Information Technology 3rd Year



85.29% Karan Ambule



84.47% Dhruv Rode



84.35% Sejal thakre

Science and Humanities



85.65% Devika Barapatre



83.65% Faizanamra Sheikh



83.18% Samrudhi Dharmale

EXPERT LECTURE



EXPERT LECTURE ON ELECTRICAL PANEL INTEGRATION IN COMMUNICATION SYSTEMS: LT & HT PANEL OVERVIEW

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



EXPERT LECTURE ON GLIMPSES OF TECH TREND IN MECHANICAL ENGINEERING LECTURE

DEPARTMENT OF MECHANICAL ENGINEERING

EXPERT LECTURE



EXPERT LECTURE ON PERSONALITY DEVELOPMENT & CAREER GUIDANCE IN GOVERNMENT SECTOR AFTER DIPLOMA

DEPARTMENT OF ELECTRICAL ENGINEERING



EXPERT LECTURE ON GLIMPSES OF TECH TREND IN MECHANICAL ENGINEERING LECTURE

DEPARTMENT OF MECHANICAL ENGINEERING

EXPERT LECTURE



Nagpur, Maharashtra, India



Nagpur, Maharashtra, India

EXPERT LECTURE ON DATA ANALYTICS AND MACHINE LEARNING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



EXPERT LECTURE ON FUTURE-READY DIGITAL SKILLS FOR YOUNG

DEPARTMENT OF INFORMATION TECHNOLOGY



Workshop on Cyber Security

Information Technology (Polytechnic)



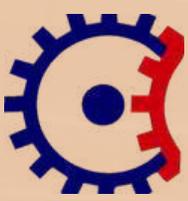
Nagpur, Maharashtra, India



Workshop on AutoCAD

Electrical Engineering (Polytechnic)





Workshop on BUILDING INFORMATION MODELING

CIVIL ENGINEERING



Nagpur, Maharashtra, India 



Nagpur, Maharashtra, India
Mahgaon, Wardha Road, Near Ph-7, Nagpur,
Maharashtra 441105, India



Workshop on STTP

COMPUTER SCIENCE & ENGINEERING



INDUSTRIAL VISIT

COMPUTER SCIENCE & ENGINEERING



INDUSTRIAL VISIT AT VFLYORIONS TECHNOLOGIES PVT LTD, HINGNA MIDC, NAGPUR



INDUSTRIAL VISIT

Mechanical Engineering



INDUSTRIAL VISIT AT KINETIC GEARS, HINGNA MIDC, NAGPUR



INDUSTRIAL VISIT

CIVIL ENGINEERING



INDUSTRIAL VISIT AT RAILWAY BRIDGE ENGINEERING , NAGPUR.



INDUSTRIAL VISIT

ELECTRICAL ENGINEERING



INDUSTRIAL VISIT AT TRANSFORMER MANUFACTURING INDUSTRY SONALI POWER EQUIPMENT, DOGDOH, MIDC HINGNA, NAGPUR



INDUSTRIAL VISIT

ELECTRONICS & COMMUNICATION



INDUSTRIAL VISIT AT REGIONAL REMOTE SENSING CENTRE (CENTRAL),
NRSC / ISRO AMARAVATI ROAD, NAGPUR - 440033
SONALI POWER EQUIPMENT, DOGDOH, MIDC HINGNA,
NAGPUR



INDUSTRIAL VISIT

INFORMATION TECHNOLOGY



INDUSTRIAL VISIT AT V R JAMDAR SIEMENS CENTER OF EXCELLENCE, VNIT NAGPUR



INDUSTRIAL VISIT

SCIENCE AND HUMANITY



INDUSTRIAL VISIT AT **SHIVAM FOODS LTD** (PARLE-G) ON 14TH FEBRUARY 2026.





Christmas Craze 2k26



TECH FUSION 2K26



Mohgaon, Maharashtra
 Nh 44, Mohgaon, Maharashtra 4
 Lat 20.967509° Long 79.012058°
 Saturday, 07/03/2026 04:42 PM



Mohgaon, Maharashtra, I
 Nh 44, Mohgaon, Maharashtra 441108

Nagpur, Maharashtra
 Mohagaon, Wardha Road, Nag
 441108, India
 Lat 20.961° Long 79.014378°
 Saturday, 07/03/2026 11:15 AM

Achievement



CSE Polytechnic Students Parag Badkhal, Siddarth Kamble, Rahul Gahukar, and Kajal Pardhi

have achieved a remarkable accomplishment by securing the Excellence Award in TECH-MANTHAN, organized by G H Raisoni Skill Tech University, Diploma in Engineering, Nagpur.

Achievement



ME Polytechnic Students Sayali Gajbhiye, Yamini Yelne, Lalita Chauhan, and Nandini Sapkal

They have brought great pride to the department by securing the 1st Prize Diamond Award (₹7000) in the Paper Presentation Competition at GHRSTU INNOVEX 2026 (Tech Manthan) organized by GH Raisoni Skill Tech University, Nagpur.

Achievement



CE Polytechnic Purva Satpute, Nishant Chopde

have achieved a remarkable milestone by securing the Diamond Award, Prize money is Rs.3000 in the Paper Presentation Competition at GHRSTU INNOVEX 2026 (Tech Vichar), organized by GH Rasoni Skill Tech University, Nagpur.

Achievement



**Civil polytechnic students Gungun Prajapati, Pranali Kale,
Rakhi Neware , Pawan Fating, Adarsh Bobde**

**Has achieved a remarkable accomplishment by securing the Excellence Award in
TECH-MANTHAN , organised by GH RaisonI Skill Tech University, Diploma in
Engineering, Nagpur.**

Achievement



**Electrical Engineering polytechnic students gauri khurpade,
Manisha jivtode, Achal wadighare**

have Secured 2nd prize at NIT state level poster presentation

Achievement



Polytechnic Girls' Kabaddi Team

Runner up in Inter Engineering Diploma Students Sports Association (IEDSSA), Pune. I Zone Kabaddi tournament.

The Girls' Kabaddi Tournament hosted at Govindrao Wanjari College of Engineering & Technology, Polytechnic, Nagpur.

Placement



AKANKSHA THAKRE

BRANCH - CW



PORNIMA BOPCH

BRANCH-CW



VAISHNAVI WANI

BRANCH-CW



ANKIT MANDOAKAR

BRANCH-EE



ABHAY GHAYADE

BRANCH-EE



TANVI KUTHE

BRANCH-EE



PATLE RAVISHANKAR

BRANCH-ET



PARMORE SUNIL

BRANCH-ET



KAMBLE SUVARNDIP

BRANCH-ET



Placement



JATIN HATAGARE
BRANCH - ME



CHARANDAS NEHARE
BRANCH-ME



RADHESHYAM GURAV
BRANCH-ME



PURVA SATPUTE
BRAMCH-CE



NISHANT CHOPDE
BRAMCH-CE



VIVEK AHIRKAR
BRAMCH-CE



MAYURESH UMESH KHEDEKAR
BRAMCH-ME



CHHATRAPAL MULESHWAR KALBELE
BRAMCH-ME



VEDANT RAVINDRA ZADE
BRAMCH-ME



NSS



TGPCET successfully participated in a value-based youth development session as a part of the outreach activities of the National Service Scheme (NSS), organized by the Jivanvidya Mission.

Approximately 35 students and 04 faculty members from TGPCET, Nagpur actively participated in this enriching program.

NSS

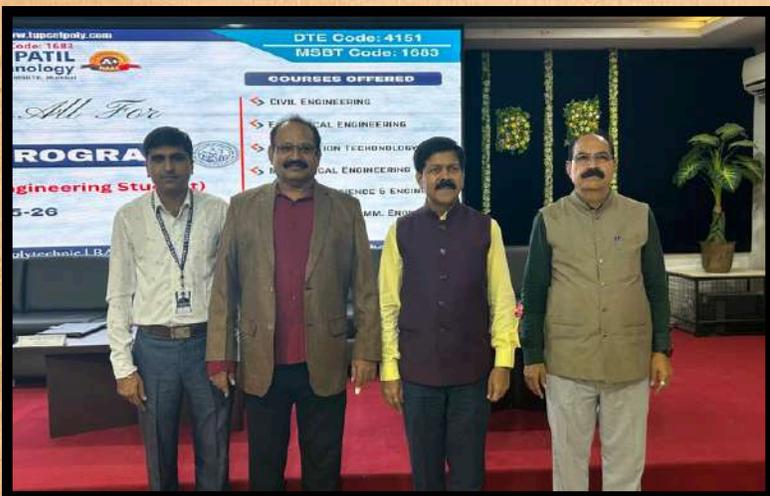


Health Checkup Camp in association with Shri Sainath Blood Center & Components, Nagpur

DIPLOMA AWARD CEREMONY



Induction Program



First Year Department of Tulsiramji Gaikwad-Patil College of Engineering and Technology, Polytechnic has conducted “One Week Induction Program” for the Newly Admitted students of First Year and Direct Second Year. This program was organized with a view to welcome all the new students to the family of Gaikwad Patil Group.

POETRY

In crowded halls and open skies,
We chased our dreams, we aimed
high.

With books in hand and hope
inside,

We learned to fail, to grow, to try.
Through laughter, lessons, joy, and
tears,

We shaped our future, faced our
fears.

These college days we won't forget

—

The best chapters written yet.

-Vedant Jangam

We came as strangers, side by side,
Now you're my strength, my silent
guide.

Through bunked classes and
midnight calls,

You stood with me through every
fall.

Not bound by blood, yet hearts
agree,

In your loyalty, I found family.

If life divides our roads someday,
This brotherhood will never fade

away.

-Piyush Bramhankar

He walks to class with a heavy bag,
Stuffed with circuits, codes, and
drafts.

Dark circles drawn beneath his eyes,
Yet brighter dreams begin to rise.

Coffee cups and sleepless nights,
Fighting bugs and endless writes.
Assignments due at twelve o'clock,
Heartbeat racing with the clock.

In crowded labs he stands in doubt,
When one small error shuts things
out.

Marks don't always show his fight,
Or how he studies through the night.

Placement lists and anxious air,
Silent prayers in whispered care.
Rejection mails that sting the soul,
Still he refuses to lose control.

Because behind each tired face,
Lives a heart that won't erase
The reason why he chose this road —
To build a life, to lift the load.

And one day all this stress and fear
Will turn to pride when dreams
appear.

-Pranav Golait

POETRY

I don't shout my dreams out
loud,
I let my actions speak instead.
I've cried more nights than you
know,
But still chase goals in my head.
I may look soft, I may seem
small,
But there's a storm behind my
smile.
And I've been strong for quite a
while.

-Khushi Nimbalkar

The last bell rings, but not the end,
Just where our scattered roads
extend. With trembling hands and
steady hearts, We stand prepared
for brand new starts

-Kunal Pakdhane

These halls have shaped the souls
we are, Turned distant dreams
from "if" to "star." Through every
fall and rising fight, We learned to
turn our dark to light.

-Adesh Parmore

"She Works, She Wins" College ke
raaste par chalti ek ladki, Haathon
mein books, aankhon mein sapne, Aur
dil mein woh himmat hoti hai Jo kisi
syllabus mein nahi milti.

Classes, projects, assignments ki
daud mein, Woh kabhi peeche nahi
rehna chahti-Mehnat uska routine hai,
Aur sapne uski zimmedari.

Kabhi log kehte, "Itna mushkil hai,
chhod do," Par woh muskura kar kehti:
"Main yahan sirf padhne nahi, Khud
ko banane aayi hoon." Library ki
khamoshi ho ya lab ka pressure, Woh
har jagah apni jagah banati hai, Kyunki
usse pata hai-Manzil unhi ko milti hai
Jo thak kar bhi rukna nahi chahte.

Uski udaan bas marks tak seemit nahi,
Woh har diwaar par darar daal deti hai
Jahan kahin likha hota hai, "Girls can't
do this."

College ke har corridor mein Uski
mehnat ka raag gunjta hai-Yeh yaad
dilata hua Ki jab ek ladki mehnat se
chalti hai, Toh sirf apni nahi, Puri
generation ki kahani badalti hai.

-Maithili Marbate

POETRY

स्क्रीन की रोशनी में जागती हैं अनगिनत
रातें,
जहाँ उंगलियाँ कीबोर्ड पर सपनों की तरह
दौड़ती हैं।

यह सिर्फ़ अक्षरों का खेल नहीं,
यह जिज्ञासा और बुद्धि की एक अनसुनी
भाषा है।

हर पासवर्ड एक पहेली है,
और हर फ़ायरवॉल एक नई चुनौती,
पर असली जीत वही है —
जहाँ ज्ञान, ज़िम्मेदारी का हाथ थामे चलता है।
तकनीक हमें ताकत देती है,
पर ताकत का अर्थ तो निर्माण होना चाहिए,
विनाश नहीं।

सच्चा हैकर वह नहीं जो दीवारें गिरा दे,
बल्कि वह है जो कमज़ोरियों को पहचानकर
उन्हें मज़बूत बना दे।

-Shiv Chakole

जब धरती कांपी थी अत्याचार से,
तब एक सिंह उठा सह्याद्री से।
नाम था शिवाजी, इरादा तूफ़ान,
मुट्टी में था उसका पूरा आसमान।

-Gjendra khandre

शेर की संतान, आग सा स्वभाव,
दुश्मन काँपे, सुनकर उनका नाम।
झुके नहीं वो अत्याचार के सामने,
मृत्यु चुनी, पर बेचा ना ईमान।
संभाजी सिर्फ़ राजा नहीं थे —
स्वाभिमान की ज्वाला थे महान।

-Lankesh Hatimare

समय कभी रुकता नहीं,
बस आगे बढ़ता जाता है।
जो इसकी कद्र समझे,
वही आगे बढ़ पाता है।

-Satyam Sawarkar

हँसी में जो साथ रहे,
ग़म में भी पास रहे।
बिना कहे सब समझ जाए,
दिल की हर बात कहे।
ऐसा रिश्ता कम मिलता है,
दोस्ती ही सबसे खास रहे।

-Rudra Paturwar

हर रात के बाद एक सूरज उगता है,
हर संघर्ष के बाद एक जीत मिलती है।
जीवन के इस सफ़र में हौसला रखना,
क्योंकि हर कदम पर एक नई राह मिलती
है।

अपने सपनों को पंख दो,
उड़ने की हिम्मत खुद दिखाओ।
किसी की राह में मत जियो,
अपना रास्ता खुद बनाओ।

जीवन एक अनमोल गीत है,
इसको गुनगुनाओ प्यार से।
हर पल को जी भर के जी लो,
यही है जीवन का सार सबसे।

-Gungun Prajapati

ARTICLE

Invest in India

Invest India

A Strategic Scheme for
accelerated Investments
& Entrepreneurship



“Invest in India” – A Vision Beyond Time

In the early 1990s, when India’s stock market was still evolving, one name dominated the financial headlines — Harshad Mehta. Among the many statements associated with him, one line stood out: “Invest in India.”

This was not just a bold claim — it reflected belief in India’s untapped economic potential.

Memories We Created Together

One of the most enjoyable aspects of this journey was the memories we created together—whether during festival shoots, spontaneous content ideas, or moments when things did not go as planned but still turned into laughter-filled experiences. These moments strengthened our bond as a team and made the learning process enjoyable.

Why “Invest in India” Still Makes Sense

- A young and skilled workforce
- Rapid digital adoption
- Expanding middle class
- Strong startup and innovation culture
- Increasing global investor confidence
- India’s economic journey reflects resilience, adaptability, and long-term growth potential.

India: A Land of Opportunity

India is now one of the fastest-growing major economies in the world. With a young population, rapid digital transformation, and a thriving startup ecosystem, the country offers immense opportunities across sectors.

From Information Technology and pharmaceuticals to manufacturing and renewable energy, India continues to expand its global footprint. Government initiatives like Make in India and Digital India have further strengthened the investment climate, attracting both domestic and international investors.

The Evolution of the Indian Stock Market

The 1992 securities scam marked a turning point in India’s financial history. While it exposed loopholes in the system, it also led to stronger regulations and greater transparency. Regulatory bodies improved oversight, digital trading systems were introduced, and investor protection mechanisms became more robust.

Today, institutions like the Bombay Stock Exchange and the National Stock Exchange of India rank among the world’s leading stock exchanges. Millions of retail investors now actively participate in the markets.

Conclusion

“Invest in India” is more than a phrase — it represents confidence in a nation’s progress. With strategic reforms, technological advancement, and demographic strength, India continues to build a promising future.

For investors with patience, research, and a long-term vision, India remains one of the most compelling growth stories of the 21st century.

Rudra R. Paturwar
RUDRA PATURWAR
(2ND YEAR IF)

ARTICLE

ARTIFICIAL INTELLIGENCE IN CYBERSECURITY



INTRODUCTION

Artificial Intelligence (AI) is playing an important role in modern cybersecurity. As cyber threats are increasing rapidly, traditional security systems are no longer enough. AI helps organizations protect their digital data by detecting suspicious activities and preventing cyber attacks in real time.

AI systems can analyze large amounts of data quickly and accurately. This makes security systems smarter and more efficient.

ADVANCEMENTS

AI has improved threat detection by identifying patterns and anomalies in network traffic. Unlike traditional systems, AI learns from past data and continuously improves its performance.

One of the biggest advantages of AI is automation. It can automatically respond to cyber threats without waiting for human intervention. This reduces response time and minimizes damage.

AI-powered tools also help in:

- Real-time monitoring
- Fraud detection
- Predicting future cyber risks
- Strengthening data privacy

Because of machine learning capabilities, AI systems become smarter over time, making them highly effective in long-term cybersecurity strategies.

LIMITATIONS

Despite its benefits, AI in cybersecurity also has some limitations. Cybercriminals can try to manipulate AI systems through adversarial attacks. If the data used to train AI is biased or incorrect, it may give wrong results.

Another challenge is the high cost of AI implementation and the need for skilled professionals to manage these systems. Ethical concerns such as privacy and surveillance also need careful consideration.

Therefore, while AI is powerful, it should be used along with human expertise and proper security policies.

FUTURE SCOPE

The future of Artificial Intelligence in cybersecurity is extremely promising and transformative. As cyber threats continue to evolve in complexity, AI systems are expected to become more intelligent, adaptive, and autonomous. In the coming years, AI will not only detect threats but also predict potential cyber attacks before they actually occur. By analyzing global threat intelligence, behavioral patterns, and historical attack data, AI will help organizations stay one step ahead of cybercriminals.

AI-driven cybersecurity tools will increasingly use advanced machine learning and deep learning techniques to identify zero-day attacks and unknown vulnerabilities. These systems will continuously learn from new data, making them more accurate and efficient over time. Real-time decision-making will become faster, reducing response time from minutes to seconds.

Vedant Jangam

VEDANT JANGAM
(2ND YEAR CSE)

ARTICLE

The Value of Community Service and Volunteering



Introduction

Community service and volunteering mean helping people and working for the betterment of society without expecting any money or reward. It is a noble activity that shows love, care, and responsibility towards others. In today's fast-moving world, many people are busy in their own lives, but community service reminds us that we are also a part of society. It helps in building a strong, united, and supportive environment where everyone feels valued and cared for.

Importance in Personal Development

Volunteering is very useful for personal growth. It teaches us many important life skills such as teamwork, leadership, communication, and time management. When we work with different types of people, we learn how to adjust, cooperate, and solve problems. It also increases our self-confidence and makes us more active and responsible. Students especially benefit from community service because it gives them practical knowledge along with their studies and helps in developing a positive personality.

Social and Emotional Benefits

Community service plays a big role in improving society. It helps poor and needy people and spreads awareness about important social issues like cleanliness, education, health, and environmental protection. It brings people from different backgrounds together and creates a feeling of unity and brotherhood. Helping others also gives us inner happiness and mental peace. It reduces stress and makes us feel proud that we are doing something meaningful for others.

Conclusion

In conclusion, community service and volunteering are not just activities but a way of life that teaches us the true meaning of humanity, kindness, and social responsibility. They help in developing a caring nature and make us realize that even a small effort can bring a big change in someone's life. When people come together to work for a good cause, it creates a strong and united society where everyone feels supported and respected. These selfless acts not only improve the lives of those who receive help but also give a sense of happiness, peace, and satisfaction to those who serve. Community service also inspires others to do good work and spreads positivity in the environment. Therefore, every individual, especially students and young people, should actively take part in such activities and make helping others a regular habit. By doing this, we can build a better, more caring, and more beautiful world for present and future generations.

“Service to humanity is the best work of life.”

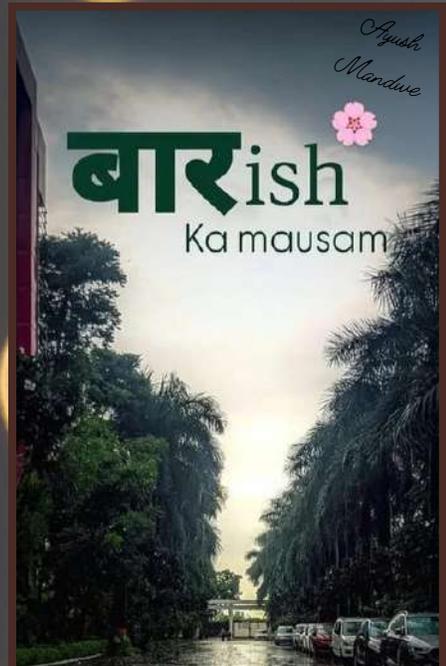
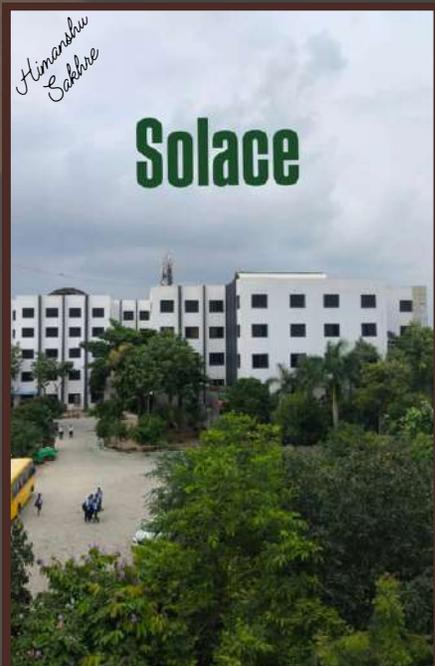
Shiv Chakole

SHIV CHAKOLE
(2ND YEAR CSE)

SPORTS ACTIVITIES



PHOTOGRAPHY



UTKAL #KAROL KOL



Farewell

2K25

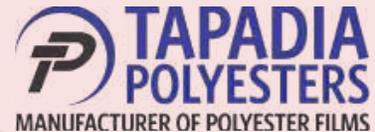


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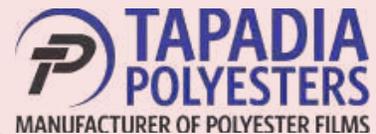


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Tulsiramji Gaikwad-Patil College of Engineering and Technology, Mohagaon, Wardha Road, Nagpur, 441108 Maharashtra, INDIA.

TESTIMONIALS OF DIGNITARIES



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Father of Indian Super Computer

"The college has a far-reaching goal and is emerging as a leading engineering college of Vidarbha. I was particularly impressed by the discipline of the institute and its academic and research aspiration."



Hon'ble Dr. B. L. Mungekar
Former MP & Member Planning Commission of India

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Hon'ble Dr. Vilas Sapkal
Former Vice Chancellor, RTM Nagpur University

"The management is visionary and professional in nature. The facilities are up to the mark. The discipline is very good and facilities are dedicated."



Hon'ble Shri. Nitinji Gadkari
Former Cabinet Minister
Road Transport and Highways Shipping, Govt. of India

"Good quality of education and good dedicated management."



Hon'ble Shri. Raju Shetty
MP, Farmers' Leader

"हे कॉलेजचा उच्च दर्जा (विद्यार्थी) हे उच्च शिक्षण हे उच्च दर्जाचे."



Hon'ble Dr. Satish Wate
Former Director, National Environment Engineering Research Institute (NEERI), Nagpur

"Outgoing Library facility well designed to suit students, faculty and guests of all age group. It resembles facilities available at most recognized institutions. I am sure students will spend more time here to grow knowledge."



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