"Technical Magazine"

MASTER IN COMPUTER APPLICATION (MCA)

🏠 COURSES OFFERED · MASTER IN COMPUTER APPLICATION (MCA)

2024 – 2025 EVEN

Volume:3   Issue:2

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

M1- To strive for rearing standard and stature of the students by practicing high standards of professional ethics, transparency and accountability.

M2- To provide facilities and services to meet the challenges of Industry and Society

M3- To facilitate socially responsive research, innovation and entrepreneurship

M4- To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices.

Program Outcomes (Pos) & Program Educational Objective (PEOs)

PO – 1 Computational Knowledge: Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

PO – 2 Problem Analysis: Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

PO – 3 Design /Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO – 4 Conduct investigations of complex Computing problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO – 5 Modern Tool Usage: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

PO – 6 Professional Ethics: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practices.

PO – 7 Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

PO – 8 Project management and finance: Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO – 9 Communication Efficacy: Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PO – 10 Societal and Environmental Concern: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practices.

PO – 11 Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

PO – 12 Innovation and Entrepreneurship: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

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A+ NAAC

Program Educational Objectives (PEO)

• Providing a strong theoretical and practical background across the computer science discipline with an emphasis on software development.

• To provide technical solutions in the field of information technology to the local society.

• To provide need-based quality training in the field of information technology.

• Empowering the youth in rural communities with computer education.

• To provide students with the tools to become productive, participating global citizens and life-long learners.

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 (AICTE), 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. B.Tech Mechanical Engineering and B.Tech Electrical Engineering programmes have been accredited by the NBA for 3 years (up to 30th June 2026) and recently B. TECH. Civil Engineering and B. Tech. Electronic and Communication Engineering

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programmes have been accredited by NBA for 3 years (upto 30th June 2028).

The College offers four years B. Tech. UG programs in Ten disciplines of engineering viz. Bio-Technology (B.Tech), Aeronautical Engineering (AE), Computer Science and Engineering (CSE), Information Technology (IT), Electronics and Communication Engineering (ECE), Mechanical Engineering (ME), Civil Engineering (CE), Electrical Engineering (EE), Computer Science and Engineering (Data Science), Artificial Intelligence & Machine Learning (AIML)

TGPCET offers Eight PG Programmes in engineering viz. Computer Science and Engineering (CSE), Integrated Power System (IPS), Structural Engineering (SE), Electronics and Communication Engineering (ECE), Artificial Intelligence & Machine Learning (AIML), Mechanical Engineering Design (MED), Aeronautical Engineering (AERO) and Electric Vehicle Technology (EVT) and also offers Two years PG programs in Master of Business Administration (MBA) as well as Two years Master in Computer Application (MCA).

In addition TGPCET conducts three years Diploma programs in six disciplines of engineering such as Civil Engineering (CE), Mechanical Engineering (ME), Computer Science and Engineering (CSE) and Electrical Engineering (EE), Electronics and Communication Engineering (ECE) and Information Technology (IT).

College is located in the midst of Multimodal International Cargo Hub and Airport (MIHAN) and also in the vicinity of Butibori Industrial area, Nagpur.

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This sanstha is started by the dedicated and renowned academicians genuinely committed to impart quality technical education to the students, who are aspiring for carrier in Engineering, Technology and Management.

College offers additional courses beyond syllabus to expose the students towards the industrial climate by conducting courses in MATLAB, AUTO CAD, CREO & ANYSYS, STAAD PRO, CCNA Networking, Python Programming, Salesforce-CRM, PLC Scada, Bioprocess Product Development, Oracle SQL, PHP, PCB Design, Fundamental of Programming and CATIA V5 R-21.

The college has signed International MoU with SEGi University, Malaysia and Prince of Songkla University, Thailand.

The college has signed MoU Vignan's University, Guntur to excel the academic and research capability of staff and students in the emerging fields of Science, Engineering and Technology.

The staff having versatile rich experience in teaching, research and industry are educating students of all sections of society to foster Quality Education and to build high moral standards.

College has continuously risen in popularity amongst the aspiring students and parents and has become a preferred choice for taking admissions due to availability of elegant and vast infrastructure facilities, dedicated staff members, who provides holistic quality education.

The college is guided by its Advisory Committee consisting of Eminent Academician from Prestigious Institutes and also by the Renowned Industrialists. The institute works towards excellence in imparting

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quality technical education by motivating students to become a trend-setter to acquire Global leadership. For implementing the quality policy, an action plan is collectively prepared by the Principal and HODs as per the vision of the Management and the Management regularly interacts with the Principal to review the implementation process of the quality plans.

Institute has implemented NEP 2020 aligned curriculum from 2023-24 for the holistic development of the student by the interdisciplinary courses.

EduSkills had honored with an award to TGPCET as Academic Credit for Internship Awards-2024, Received AICTE EduSkills 61" Rank throughout the country for Highest Number of Internship-2024, AICTE Principal Excellence Award-2024 (Western Region), and AICTE Best Performing Institute Award-2024 (Western Region).

About Department

I feel ecstatic to introduce you to Department of Master In Computer Application, which is established in year 2008-2009 and foundation of technology. It is AICTE approved full time two years PG course affiliated by RTM Nagpur University. Department of Master in Computer Application strive for increasing the knowledge, enhancing the critical thinking, ability to change information into knowledge and power of analyzing the things technically of each and every individual of ever changing society through students.

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We always intend to impart knowledge through a closed knit family of highly competent faculty.

Our Laboratories have been very well established not only to cover complete syllabus but to motivate students to learn beyond the syllabus which definitely develops complete knowledge of the subject (both the practical and theoretical depth of knowledge) and develop skill sets of students to become promising new to technology in future. I would like to conclude with the words of Thomas Friedman who has rightly opined "World is flat opportunities are immense. It's just a question of identifying opportunities and making the best of them". I wish a very best of luck to the students

Vision-Mission (Department)

Vision

The department of Master in Computer Applications aims to generate groomed, technically competent and skilled intellectual professionals specifically from the rural area to meet the current challenges of the modern computing industry.

Mission

• To stimulate students to learn effectively and apply the knowledge in the field of Engineering and Technology.

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- To undertake industry academic collaboration to enhance competency in graduates.

- To foster innovative ideas amongst students for becoming leaders.

- To create an environment of research culture.

- To impart social and ethical values for inculcating the culture of lifelong learning.

Massages

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

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

Mr. **Akash Gaikwad-Patil**
Vice Chairman, Gaikwad-Patil Group

"Education is not preparation for life, education is life itself."

In a world brimming with challenges, the need for brilliant engineers who can think critically, solve problems creatively, and adapt to a rapidly evolving technological landscape has never been greater. At TGPCET, we are committed to providing an education that goes beyond textbooks. Our curriculum is meticulously crafted to equip students with the technical expertise, soft skills, and design thinking abilities necessary to thrive in the ever-changing engineering landscape. We believe in nurturing well-rounded individuals with a strong foundation in ethics, social responsibility, and a passion for making a positive impact on the world. Our state-of-the-art facilities, coupled with a dedicated and experienced faculty, provide a stimulating learning environment that ignites curiosity and encourages exploration. We don't just produce engineers; we empower future leaders, innovators, and entrepreneurs who will shape the world of tomorrow. We are confident that our graduates will be at the forefront of technological advancements, tackling global challenges, and building a future brimming with possibilities.

DR. P. L. NAKTODE
Principal

It gives me immense pleasure and pride in welcoming you to Tulsiramji Gaikwad-Patil College of Engineering & Technology, one of the rapidly growing institutions in Vidarbha, dedicated to fostering technical education in the region. The vision of our institution is to empower youths and to produce technically skilled manpower with very high moral values that are not only employable but are also capable of creating employment for masses. Our mission is to provide outcome based education by providing all necessary inputs, facilities and environment to empower our students in all possible ways. We understand that co-curricular and extra-curricular activities help in enhancing ones personality. This institution provides an environment for

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	nurturing these activities so that young men and women get an opportunity to upgrade their skills and show cases their talent. To strengthen the wings of our students we have dynamic and dedicated workforce. Tulsiramji Gaikwad-Patil College of Engineering & Technology is committed to employing, developing and retaining the best teachers.

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

Prof. Roshan A. Chandekar
HOD MCA | It gives me immense pleasure to welcome you to the Department of Master in Computer Application, Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur.
We are committed to providing high-quality education and shaping future tech leaders. Our curriculum is designed to keep pace with industry standards and emerging technologies. We focus on academic excellence, hands-on experience, and innovation. With a dedicated team of experienced faculty, we ensure holistic student development. The department encourages research, projects, and participation in technical and non-technical events. We strongly promote skill development through workshops, coding sessions, and internships. Our alumni have achieved excellence in various IT sectors and multinational companies. We are proud of the discipline and creativity our students bring to the department.
The MCA program blends theoretical knowledge with practical implementation. We foster a learning environment driven by curiosity, collaboration, and responsibility. Students are also motivated to participate in extracurricular and social activities. Regular seminars and guest lecturers keep our students connected with industry trends. Wishing all our students a successful and fulfilling academic journey. |

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Student

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Paper Publications of Faculty members

Paper Publication

Name of Faculty	Title of paper	Name of journal (UGC/Scopus index journals)	Achievement
Prof. Roshan Chandekar	Flight Delay Analysis: Using Power Bi, Tableau, Excel	GIS Science Journal	Published
Prof. T. P. Raju	The Evolving Landscape of Data Analytics: Trends, Challenges, and Opportunities	GIS Science Journal	Published
Prof. Balakrishna Das	AI-Powered Blockchain-Based Decentralized Job Platform for Rural India: A Proposed Solution	International Journal of Creative Research Thoughts	Published

Flight Delay Analysis: Using Power Bi, Tableau, Excel

Prof. Roshan A. Chandekar, Assistant Professor

Abstract: The flight delay study to analyze using the techniques of Power BI, Tableau, Excel and SQL and see how the flight delays would contribute to the enhancement of airline efficiency and customer satisfaction.

Delays are uncomfortable in and out of the airlines. To ascertain reasons that cause delayed flights, learn of such key mechanisms and possibly predict delays in the future. It covers data analysis components such as data cleansing, data analysis, graphical representation of the data and model development and the data set analyzed will include flight plans, weather reports and airlines operations. The value of insights to airlines is enormous as they can now make better planes, ensure customer satisfaction and cut down operational costs.

Airports can have improved baggage allocation, where as travelers can experience travel that is more predictable and smoother

Keywords: Power Bi, Excel, SQL. Tableau, KPI's.

The Evolving Landscape of Data Analytics: Trends, Challenges, and Opportunities
Prof. T. P. Raju, Assistant Professor

Abstract

The field of data analytics is experiencing rapid evolution, driven by technological advancements, increasing data volumes, and the growing recognition of its potential to transform business operations and societal functions. This research paper examines the evolving landscape of data analytics, providing a comprehensive overview of the key trends, challenges, and opportunities that characterize this dynamic domain. The paper synthesizes findings from diverse sources, including academic research, industry reports, and expert analyses, to explore the increasing importance of data analytics across various industries, the transformative impact of emerging technologies such as artificial intelligence (AI) and cloud computing, and the complex interplay between data analytics and regulatory frameworks like the General Data Protection Regulation (GDPR) and the California Consumer Privacy Act (CCPA).

It emphasizes the critical role of data literacy in empowering organizations to harness the full potential of their data assets, while also addressing the significant challenges posed by data quality issues, the skills gap in the analytics workforce, and the ethical considerations surrounding data collection and utilization. The paper concludes by identifying promising future directions for data analytics, highlighting the potential of innovative applications and the need for ongoing research to navigate the complex and evolving data-driven world.

Keywords :Data Analytics, Technological Advancements

AI-Powered Blockchain-Based Decentralized Job Platform for Rural India: A Proposed Solution

Prof. Balakrishna Das, Assistant Professsor

Abstract: This paper proposes a novel solution to address employment challenges in rural India by integrating AI-powered job matching with blockchain technology in a decentralized job platform. The platform uses AI to match job seekers with relevant job postings based on their profiles, preferences, and skills, while blockchain ensures secure, transparent, and tamper-proof job agreements and payment transactions. The proposed system aims to eliminate intermediaries, ensure fair wages, and provide a personalized job search experience for rural users. The design incorporates simulated data to demonstrate its feasibility. The paper also discusses the potential challenges, scalability, and future work needed to deploy such a system in rural regions.

Index Terms

- AI, Blockchain, Decentralized Job Marketplace, Job Matching, Smart Contracts, Rural Employment, Secure Transactions.

Paper Publications of Students

Name of Student	Title of paper	Name of journal (UGC/Scopus index journals)	Achievement
Mr. Om Sanjay Asutkar Mr. Haridas Purushottam Kshirsagar Ms. Shreyash Prabhakar Naktode (MCA 2nd year)	**The Strength of Crypto currencies: A Comprehensive Analysis**	GIS Science Journal	Published
Mr. Kapil V. Raut Mr. Amit Kinhekar Mr. Milind Paunikar (MCA 2nd year)	**Algorithmic Trading: A Study on Techniques and Significance**	GIS Science Journal	Published
Ms. Jayashri S. Naik Mr. Aniket B. Ghode Ms. Prachi V. Borkar (MCA 2nd year)	**Front-end Libraries in e-business Development**	GIS Science Journal	Published

The Strength of Cryptocurrencies: A Comprehensive Analysis
Mr. Om Sanjay Asutkar, Haridas Purushottam Kshirsagar, Shreyash Prabhakar Naktode. MCA 2nd year

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Abstract

Cryptocurrencies have really shaken up the finance world, giving us new ways to handle money without relying on traditional banks. With blockchain tech in their corner, Bitcoin, Ethereum, and the rest have made big waves in how we do digital transactions, keep things transparent, and stay secure. This paper is going to dive into what makes cryptocurrencies tick and whether they can stick around for the long haul. We'll look at stuff like how big they are in the market, how many people are using them, how tech-savvy they are, and the challenges they face from governments. Plus, we'll see how blockchain keeps these digital coins honest and how DeFi is shaking up the old-school financial system. Even though they've got regulators breathing down their necks and some security hiccups, cryptocurrencies have shown they can take a punch and keep on growing.

Algorithmic Trading: A Study on Techniques and Significance
Mr. Kapil V. Raut, Mr. Amit Kinhekar, Mr. Milind Paunikar
MCA 2nd year

Abstract: Algorithmic trading, or algo trading, has revolutionized financial markets by leveraging computational algorithms to execute trades at unparalleled speeds and efficiencies. This paper explores core techniques such as statistical arbitrage, trend following, and high-frequency trading, along with emerging strategies like sentiment analysis and AI-driven models. It highlights the challenges, ethical considerations, and benefits of this transformative technology. The study underscores algorithmic trading's role in enhancing market liquidity, reducing transaction costs, and democratizing access to advanced trading strategies. Furthermore, it discusses the future prospects of algorithmic trading, particularly its integration with AI, blockchain, and sustainable practices.

Keywords: Algorithmic trading, high-frequency trading, market liquidity, blockchain, trading strategies.

Front-end Libraries in e-business Development

Ms. Jayashri S. Naik, Mr. Aniket B. Ghode, Ms. Prachi V. Borkar
MCA 2nd vear

Abstract: With web technology rapidly expands out in recent years, there is a significant trend that Hypertext Markup Language (HTML) 5 turns into worldwide web consortium and leads the front-end development to stand on the front stage of internet history. However, there are numerous front-end development rameworks and libraries such as React, Angular and Vue. How to select a uitable framework or library to establish the e-Business and reach out to maximize the user experience becomes a priority operation in web development. This paper starts with introducing an overview of the leading frameworks and libraries in the field of front-end development and examine each performance in web services. By analyzing the research data on several aspects, this paper will list the pros and cons of each framework and library under separate commercial criteria. Finally, the paper summarizes the contributions and concludes with some possible future of front-end development in e-Business.

Keywords: Front-end; JavaScript; Web Development; e-Business; HTML5

Copyright

Name of Faculty	Title of Copyright	Application number	Date of Copyright
Prof. Roshan Chandekar **Prof. T. P. Raju** **Prof. Shambhavi Holay**	AI-Driven Customer Relationship Management System for enhanced Customer Engagement and Predictive Analytics.	202521035289	02/05/2025
Prof. Roshan Chandekar **Prof. T. P. Raju**	AI-Driven Real- Time Personalized Advertising system for Social Media Platforms using Deep Learning Algorithms.	202521031690	31/04/2025

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Best Student Projects

The List of Final year Industry Projects:

Name of Student	Project Title	Industry Name	Duration
Vivek Dinesh Singh	PhP user management system	CIA, branch of Zazpi Tech Pvt. Ltd.	4 months
Aachal Sanjay Zanjal	Real estate listing website	Cluster computing	4 months
Trupti Parish Singh	Stock exchange (Data Analytics)	Clustor computer	4 months
Khushbu Manohar Wahane	Digital marketing agency	Clustor Computing	4 months
Harsh Gajanan Ingole	AC Repairing System	Code Microsystems Op Pvt. Ltd.	4 months
Srishti Manoj Nimje	District Medical Center Based On Cloud Computing (DMDC)	Code Microsystems OPC Pvt. Ltd.	4 months
MAYUR HARESHWARRAO MANDAVKAR	Secure Data Using Cloud	Code Microsystems OPC Pvt Ltd	4 months
Harshal Ramesh Tajane	Book review system	Code Microsystem OPC Pvt. Ltd	4 months

Isha sukhbahadur thakur	District Medical Center Based On Cloud Computing (DMDC)	Code Microsystem OPC Pvt. ltd.	4 months
Ritesh Narayan Ullewar	AC Repairing System	Code Microsystem OPC Pvt. Ltd.	4 months
Durgesh Deepak Bachhraj	Bus reservation system	Code Microsystem OPC Pvt. Ltd.	4 months
Payal Ghanasham Wankhade	Secure Data Using Cloud	Code Microsystem OPC Pvt. Ltd.	4 months
Pratiksha Somanath Sawarkar	District Medical Center Based On Cloud Computing (DMDC)	Code Microsystem OPC Pvt. Ltd.	4 months
Darshana Rajendra Khadse	Health care application TRUEFIT	Cubinodes techno Pvt Ltd	4 months
Ritesh Pandurang Pagade	Email Automation	Eliora Techno	4 months
Shruti sandip Baghele	Email Automation	Eliora techno private limited	4 months
Akash Tulshiram Gurnule	Typing Master	Ezapiya Software	4 months
Nitin Sohanlal Banote	Lenin Club	Ezapiya Software	4 months
Vaibhav Vijay Tembhare	E-commerce Website	Ezapiya Software and Development LLP Nagpur	4 months

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Gangadhar Dnyaneshwar Aher	E commerce Website	Ezapiya Software And Development LLP Nagpur	4 months
Sakshi Babarao Kachare	Farmer Procurement platform	NCDEX e Markets Limited	4 months
Prachi Vinay Borkar	E-commerce Website - Healthcare Products	Percept Infosystem Pvt Ltd.	4 months
Aarzoo Rajendra Meshram	Stock market prediction using python	R3S tech	4 months
Pranali Diwakar Wadhai	Quiz App	S S INFOTECH	4 months
Abhishek yuvraj shende	Website development for Shri nandani agro farmer producer company lmt	Shri nandani agro farmer producer company lmt	4 months
Milind Shekhar Paunikar	Timekeeper (Employee Attendance System)	Sky Vision IT Solutions	4 months
Ankita chandu Jiritkar	Supply Chain (Data Analytics Project)	SS InfoTech Pvt. Ltd.	4 months
Akanksha Sunil Lanjewar	Flight Delay Analysis (Data Analytics Project)	SS InfoTech Pvt. Ltd.	4 months
Aniket Bapurao Ghode	water quality monitoring system - website	Zazpi tech pvt ltd	4 months

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Moment of ceremonial lamp lighting of Ideathon &

Hackathon 2025

EduSkills ACADEMY

CERTIFICATE
OF COMPLETION

Awarded to

PRADDUMNA MOHANRAO GOLHAR

has successfully completed

Ethical Hacking

Date : 2 May 2025
C. No.: b47f015ca6eaeed7fa173d779bcc169d

Chief Technology Officer (CTO)
EduSkills

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AICTE - EduSkills
2025
VIRTUAL INTERNSHIP

Certificate of Virtual Internship

This is to certify that

VEDANT PRAMOD BAGHEL

Tulsiramji Gaikwad-Patil College of Engineering and Technology

has successfully completed 10 weeks

Zero Trust Cloud Security Virtual Internship

During January - March 2025

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

Supported By **zscaler**™

Prameet Chhabra

Prameet Chhabra
Vice President, Platform Enablement
Zscaler

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills

Certificate ID :9ba5b8fa47dc17f965a0750a1fe0eb33
Student ID :STU672c5498c59431730958488

INTERNSHIP GRADE
B

GRADE- O (Outstanding):90-100 | E (Excellent):80-89 | A (Very Good):70-79 | B (Good): 60-69 | C (Fair): 50-59 | D (Average): 40-49 | P (Pass): 30-39 | F (Fail): Below 30

Certificate of Virtual Internship

This is to certify that

ABHISHEK VILAS GONDOLE

Tulsiramji Gaikwad-Patil College of Engineering and Technology

has successfully completed 10 weeks

Data Science Master Virtual Internship

During Oct - Dec 2024

Supported By **ALTAIR**

Ramesha B.S.
Head - Academic Initiatives
Altair

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills

Certificate ID :cd909d86d1dc6c7c7eb6a3b39a46274b
Student ID :STU6722316fa39461730294127

GRADE- O (Outstanding):90-100 | E (Excellent):80-89 | A (Very Good):70-79 | B (Good): 60-69 | C (Fair): 50-59 | D (Average): 40-49 | P (Pass): 30-39 | F (Fail): Below 30

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Certificate of Virtual Internship

This is to certify that

MONALI PRALHAD LATAWE

Tulsiramji Gaikwad-Patil College of Engineering and Technology

has successfully completed 10 weeks

AI-ML Virtual Internship

During January - March 2025

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

Supported By : India Edu Program

Google for Developers

Karthik Padmanabhan
Developer Ecosystem Lead
MENA & India, Google

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills

Certificate ID :b16537f6f96393cdbe671b8d19d1e746
Student ID :STU67737392868871735619474

INTERNSHIP GRADE
O

GRADE- O (Outstanding):90-100 | E (Excellent):80-89 | A (Very Good):70-79 | B (Good): 60-69 | C (Fair): 50-59 | D (Average): 40-49 | P (Pass): 30-39 | F (Fail): Below 30

AICTE - EduSkills
2025
VIRTUAL INTERNSHIP

Certificate of Virtual Internship

This is to certify that

PRADDUMNA MOHANRAO GOLHAR

Tulsiramji Gaikwad-Patil College of Engineering and Technology

has successfully completed 10 weeks

Cybersecurity Virtual Internship

During January - March 2025

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

Supported By **paloalto**® NETWORKS

Saravanan Rajagopal

Saravanan Rajagopal
Training Partner Manager, APAC
Palo Alto Networks

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Biswal

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills

Certificate ID :3aae3124fed9810857b1cd25503d2128
Student ID :STU6721a6fa2700f1730258682

INTERNSHIP GRADE
B
★ ★ ★

GRADE- O (Outstanding):90-100 | E (Excellent):80-89 | A (Very Good):70-79 | B (Good): 60-69 | C (Fair): 50-59 | D (Average): 40-49 | P (Pass): 30-39 | F (Fail): Below 30

National INTERNSHIP PORTAL
Ministry of Education

AICTE
अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education

EduSkills®
Nation Building Through Skills

AICTE - EduSkills
2024
VIRTUAL INTERNSHIP

Certificate of Virtual Internship

This is to certify that

VEDANT PRAMOD BAGHEL

Tulsiramji Gaikwad-Patil College of Engineering and Technology

has successfully completed 10 weeks

Web Full Stack Developer Virtual Internship

During Oct - Dec 2024

Supported By

EduSkills ACADEMY

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills

Certificate ID :ee42a103d51a6b9959576599ec9f4afa
Student ID :STU672c5498c59431730958488

INTERNSHIP GRADE
D

GRADE- O (Outstanding):90-100 | E (Excellent):80-89 | A (Very Good):70-79 | B (Good): 60-69 | C (Fair): 50-59 | D (Average): 40-49 | P (Pass): 30-39 | F (Fail): Below 30

NAAC Accredited
Vidarbha Bahu-uddeshiya Shikshan Sanstha's
TULSIRAMJI GAIKWAD-PATIL
College of Engineering & Technology
— An Autonomous Institute —
DTE CODE 4151
A+ NAAC

NPTEL Certificates of Faculty members

Name of Faculty	Course Name	Percentage	Achievement
Prof. Shambhavi Holay	Programming in Java	75%	Silver-Elite
	Fundamental of Object Oriented Programming	83 %	Silver-Elite
	Introduction to IOT	70 %	Elite
	Problem solving through programming in C	51%	Passed

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A+ NAAC

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

This certificate is awarded to

SHAMBHAVI

for successfully completing the course

Programming In Java

with a consolidated score of **75** %

Online Assignments	21.22/25	Proctored Exam	54/75

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

Jan-Apr 2025

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Skill India
कौशल भारत-कुशल भारत

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION
swayam

Roll No: NPTEL25CS57S1252800670

To verify the certificate

No. of credits recommended: 3 or 4

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College of Engineering & Technology
— An Autonomous Institute —
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Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to

SHAMBHAVI

for successfully completing the course

Fundamentals of Object Oriented Programming

with a consolidated score of **83** %

Online Assignments	24.38/25	Proctored Exam	58.5/75

Total number of candidates certified in this course: **5246**

Prof. Kaushik Ghosh,
Professor(Chemistry)
Coordinator CEC

Jan-Apr 2025

(12 week course)

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

Indian Institute of Technology Roorkee

FREE ONLINE EDUCATION
swayam
शिक्षित भारत, उन्नत भारत

Roll No: NPTEL25CS34S552802844   To verify the certificate   No. of credits recommended: 3 or 4

Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to

SHAMBHAVI

for successfully completing the course

Introduction To Internet Of Things

with a consolidated score of **70** %

Online Assignments	23.35/25	Proctored Exam	46.5/75

Total number of candidates certified in this course: **38143**

Jan-Apr 2025

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION
swayam
शिक्षित भारत, उन्नत भारत

Roll No: NPTEL25CS44S352800218   To verify the certificate   No. of credits recommended: 3 or 4

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to

SHAMBHAVI

for successfully completing the course

Problem Solving Through Programming In C

with a consolidated score of **51** %

Online Assignments	20.44/25	Proctored Exam	30.75/75

Total number of candidates certified in this course: **2550**

Jan-Apr 2025

(12 week course)

Banerji

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION
swayam
शिक्षित भारत, उन्नत भारत

Roll No: NPTEL25CS56S652803261   To verify the certificate   No. of credits recommended: 3 or 4

NPTEL Certificates of Students

Name of Student	Course Name	Total Score (Out of 100)	Achievement
Prachi Ghanshyam Bharre	Cloud computing	72.13	Elite
Apoorva Anil Bhagat	Cloud Computing	69.89	Elite
Tannu Chandrashekhar Kamble	Programming in Java	68.25	Elite
Harsh Gajanan Ingole	Software Engineering	66.69	Elite
Srushti pramod Dahekar	Cloud computing	65.1	Elite
Anjali Ramesh Lodhe	Software Engineering	64.44	Elite
Ayush Sudhakar Bhakte	Programming in Java	61.94	Elite
Sushant Khelkar	Programming in Java	61.66	Elite
Shubhangini Bhoyar	Cloud Computing	61.45	Elite
Laxmi Mohan Badge	Programming in java	60.5	Elite
Pranay Laxminarayan Mohankar	Programming in Java	60.25	Elite
Piyush Kishor Gaidhane	Programming in java	60.06	Elite
Samiksha Sunil Fule	Programming in Java	60.01	Elite
Divyanshu Anant Lamsoge	Programming in Java	59.75	Passed

Chandan Vinod Jadhav	Programming in Java	57.78	Passed
Akanksha Sunil Lanjewar	Software engineering	57.76	Passed
Akash Tulshiram Gurnule	Software Engineering	56.69	Passed
Gaurav Ramlal Nakhate	Software Engineering	56.25	Passed
PRIYA RAJU KOCHE	PROGRAMMING IN JAVA	56.25	Passed
Ayush Mahendra Kopulwar	Programming in Java	56	Passed
Tushar shivkumar Zade	Java	54.86	Passed
Apeksha Sunil Gadpayale	Operating System Fundamental	53.35	Passed
Kapil Vasantrao Raut	Programming in Java	51.5	Passed
Akshay Rameshrao wawarkar	Programming in Java	50.22	Passed
Chirag Ganesh Mohature	Software Engineering	48.5	Passed
Sejal Ashok Mohitkar	Java Programming	46.16	Passed
Shifa Qureshi	Cloud Computing	45.94	Passed
Sakshi Babarao Kachare	Java Programming	42.38	Passed

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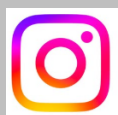— An Autonomous Institute —
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MOUs

MOU with	Date of MOU	Whether in force as on date	Projects undertaken
Cyberathon Technology, Nagpur	10th Dec 2024	YES	Workshop, Internships, Guest Lectures, Industrial Visit

Social Media Linkage

[https://www.facebook.com/mca.tgpcet]

[https://www.instagram.com/mcatgpcet?igsh=MXg2aGF5N3c0YmswdA==]

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