

## Department of Information Technology

GOVERNMENT POLYTECHNIC WASHIM

(Under Directorate of technical Education, Maharashtra Government)



Vol. 04 | No. 01 | 28 FEBRUARY 2025

<https://www.gpwashim.edu.in/>

### EDITORIAL BOARD

- Chief Editor:
  - **Mr. O. P. Ghorsade**  
(Lecturer in IF)
- Publisher:
  - **Mr. U.A.Bagade**  
(HOD, IF Dept.)
- Advisory Committee:
  - **Mr. R.B Mahajan**
  - **Mr. M.S. Hule**
  - **Mr. V.B Kale**
- Student Coordinator:
  - **Neel Agrawal**
  - **Chaitanya Pawar**

#### Inside .....

- From HOD's Desk
- From Editor's Desk
- Tech Trends Articles
- Scholarship Awareness Program
- Traditional Day
- Sports
- Blood Check-Up Camp
- Cleanliness Drive
- Alumni Meet
- Industrial training
- Poster Presentation
- Antrang 2K25
- Industrial Visit
- TPO Talks
- Shining Alumni....

### VISION:

"To be the best in providing employable Information Technology Diploma Engineers."

### MISSION:

Department of Information Technology Committed to:

- To impart outcome based, value added, quality technical education in the field of Information Technology.
- To enhance employability, entrepreneurship, industry institute interaction.
- To make capable of applying Information Technology knowledge to solve real life problems.
- To inculcate ethical and social values to transform student into good human being

### PROGRAM EDUCATIONAL OBJECTIVES (PEOS):

- **PEO 1: Diploma graduates will analyze, formulate and solve real life problems in professional environment.**
- **PEO 2: Diploma graduates will become entrepreneur or work in multidisciplinary domain.**
- **PEO 3: Diploma graduates will update professional abilities by engaging in lifelong learning with ethical values.**

### PROGRAM SPECIFIC OUTCOMES (PSOs):

- **PSO 1: Modern Information Technology: Use latest technologies for operation and application of information.**
- **PSO 2: Information Technology Process: Maintain the information processes using modern information and communication technologies.**

## From HOD's Desk...



***Dear Readers,***

It is a great pleasure to extend my heartfelt congratulations to the students, teachers, and staff of the Information Technology Department on the successful publication of the April 2024 edition of our newsletter.

The world is rapidly evolving with advancements in AI and IoT, making Information Technology one of the most dynamic and impactful fields in today's technological landscape. IT diploma engineers and scientists are now recognized as key contributors.

I am thrilled to present the latest edition of our IT department newsletter. As technology continues to evolve, our department remains dedicated to keeping you informed with the latest news, resources, and insights to support your journey in the ever-expanding world of Information Technology.

In this issue, you'll find updates on upcoming IT events, highlights of our exceptional students and faculty, valuable tips to enhance your IT skills, and much more. We also invite you to connect with us on social media, where we regularly share additional IT-related content and updates.

**Warm regards,**

**Mr. U. A. Bagade**

**Head of the IF Department [Government Polytechnic, Washim]**

## From Editor's Desk...



***Dear Readers,***

It is truly an honour to serve as the Newsletter Editor for the Information Technology Department, and I take great pleasure in presenting this February 2025 edition.

A newsletter serves as a window into the department, showcasing academic, co-curricular, and extracurricular activities, along with the achievements and innovations of our students and faculty. In this era of rapid advancements in engineering and technology, we hope this edition inspires both teachers and students to continue.

This newsletter serves as a platform for students and faculty to showcase their creativity and innovative ideas, contributing to their overall growth and development.

I would like to extend my heartfelt gratitude to Shri. Hule Sir, Shri. Ghorsade Sir, Shri. Umesh Toshniwal Sir, and Shri. Umesh Nage Sir for their invaluable contributions through their insightful articles, without which this edition would not have been possible.

Lastly, I sincerely thank Mr. U. A. Bagade Sir (HOD, IF) for granting me the opportunity to serve as the editor of this newsletter and for his unwavering support throughout its creation.

**Onkar P. Ghorsade**

*Lecturer, IF*

## Tech Trends Articles:



### ***Cybersecurity in the Digital Age: Protecting Data in an Evolving Threat Landscape.***

In an era dominated by digital transformation, cybersecurity has become more critical than ever. With increasing cyber threats such as ransomware, phishing, and data breaches, organizations and individuals must prioritize data protection. Advanced security measures, including AI-driven threat detection, multi-factor authentication

Here, explore for **Cybersecurity in the Digital Age: Protecting Data in an Evolving Threat Landscape:**

#### **Growing Cyber Threats**

Cyberattacks have increased in frequency and sophistication, targeting individuals, corporations, and even government institutions. Ransomware encrypts crucial data, demanding hefty payments for recovery, while phishing scams deceive users into revealing confidential information..

#### **Importance of Data Privacy and Protection**

With the vast amount of personal and financial data stored online, ensuring privacy has become a significant challenge. Encryption techniques are used to secure sensitive information, preventing unauthorized access. Governments worldwide have implemented strict data protection laws, such as the General Data Protection Regulation (GDPR) and the California Consumer Privacy Act (CCPA), to safeguard user data..

#### **Cybersecurity in Different Industries**

Cybersecurity plays a crucial role in various industries, each with unique challenges and vulnerabilities. The financial sector relies on advanced security measures to protect banking transactions and prevent fraudulent activities. In healthcare, securing electronic health records is critical to maintaining patient confidentiality.

#### **Emerging Technologies in Cybersecurity**

Technological advancements have led to new security solutions that enhance digital protection. Artificial intelligence and machine learning are now being used to detect and prevent cyber threats in real-time. Blockchain technology ensures data integrity, providing secure transactions and decentralized record-keeping..

#### **Ethical Hacking and Cybersecurity Careers**

As cyber threats continue to grow, ethical hackers play a crucial role in identifying and fixing vulnerabilities before attackers exploit them. Ethical hacking, also known as penetration testing, involves simulated attacks on systems to evaluate their security strength.

**Neel Ajay Agrawal**  
**IF 3<sup>rd</sup> Year**



## ***The Impact of Cloud Computing on Modern Businesses***

Cloud computing has revolutionized the way businesses store, manage, and process data. By providing scalable, cost-effective, and efficient computing resources, the cloud enables organizations to enhance productivity, security, and collaboration. From startups to enterprises, cloud technology is transforming industries worldwide.

Cloud services allow businesses to scale their resources up or down based on demand, eliminating the need for expensive on-premises infrastructure.

Pay-as-you-go models reduce IT costs by eliminating upfront investments in hardware and maintenance, making cloud solutions budget-friendly.

Cloud-based platforms enable real-time collaboration, remote access to data, and seamless communication, improving productivity in hybrid work environments.

Advanced encryption, automated backups, and multi-layered security protocols help protect sensitive business data from cyber threats.

Cloud services provide automated backups and quick disaster recovery solutions, ensuring minimal downtime and continuous operations.

Cloud computing supports AI, machine learning, IoT, and big data analytics, driving innovation and automation in various industries.

Data privacy concerns, compliance issues, and dependency on internet connectivity remain challenges. However, advancements in hybrid and multi-cloud solutions continue to shape the future of cloud computing.

Cloud computing is redefining business operations, offering agility, security, and innovation. As adoption grows, businesses must leverage cloud strategies to stay

**Vaishnavi Sunil Ganjare**  
**IF 2<sup>nd</sup> Year**

## Scholarship Awareness Program

The Scholarship Awareness Program, led by Kale Sir, was successfully organized by our department on 18/11/2024 to educate students about various scholarship opportunities and financial assistance schemes available for higher education. The initiative aimed to ensure that deserving students, especially those from economically weaker sections, have access to the necessary information to pursue their academic aspirations without financial constraints.

During the program, expert faculty members provided detailed guidance on different government and private scholarships, eligibility criteria, and the application process. Students were made aware of merit-based, need-based, and special-category scholarships, helping them identify suitable financial aid options.



## Celebration of Traditional Day

Indian culture is one of the richest and oldest in the world, known for its diversity in traditions, attire, food, and way of life. To honour and celebrate this cultural heritage, the Information Technology Department organized a Traditional Day celebration on 15/02/2025, bringing together students and faculty to showcase the beauty of Indian traditions. The event aimed to instil a sense of pride and appreciation for India's cultural roots while encouraging students to embrace and respect their heritage.



## Sports and Cultural Program at Regional Office, Amravati

A State and Regional Level Sports and Cultural Program was successfully organized at the Regional Office, Amravati on the 07/02/2024. Faculty members Shri. M.S. Hule, Shri. R.B. Mahajan, and Shri. O.P. Ghorsade also contributed to the event, supporting students and ensuring its smooth



## Blood Check-Up Camp

The **Information Technology Department**, in collaboration with NSS, organized a free blood check-up and awareness camp at the college premises on 12/11/2024. This initiative aimed to promote health awareness and encourage preventive care among students and staff. The camp provided free blood tests, including hemoglobin levels, blood sugar, and blood group identification, helping individuals monitor their health and detect potential medical conditions at an early stage.

Doctors and medical professionals educated students about the significance of regular blood check-ups in identifying health issues such as anemia, diabetes, and infections. They also emphasized the importance of a balanced diet, proper hydration, and regular exercise in maintaining overall well-being. The event served as a platform for students to interact with healthcare experts, ask health-related questions, and gain valuable insights into preventive healthcare.



## Cleanliness Drive

On the occasion of NSS Day, the National Service Scheme (NSS) unit of our department organized a cleanliness drive on 24/09/2024 at the ST Bus Stand, Washim. The initiative aimed to promote hygiene, improve public sanitation, and spread awareness about the importance of cleanliness among students and the local community.

All first-year students actively participated in the drive, taking responsibility for cleaning the premises and ensuring a healthier environment. Through this activity, students not only contributed to social welfare but also developed a sense of civic responsibility and teamwork.



## Alumni Meet

Government Polytechnic, Washim has organized the Alumni Meet on 18/02/2025. The alumni meet is conducted every year in order to reconnect with the Alumni and celebrate their success and various achievements. Alumni get in touch with students and share their expertise and best practices in each field. **Shri. Umesh Toshniwal** Coordinator and Co-Coordinator **Shri. O. P. Ghorsade** readily took up initiative to organize the meet in the guidance of Hon. Principal Dr. B. G. Gawalwad.



## Teachers Day Celebration

The **Information Technology (IT) branch students**, led by **Neel Agrawal**, enthusiastically organized a heartfelt **Teachers' Day celebration** on 05/09/2024 to honor and appreciate the dedication of their mentors. The event was a joyous occasion filled with gratitude, where students expressed their deep respect and admiration for their teachers through speeches, performances, and token gestures of appreciation. The celebration highlighted the invaluable role of educators in shaping young minds and guiding them towards a brighter future. The entire faculty was overwhelmed with the warmth and efforts of the students, making the day truly special and memorable.

💡 **A teacher's impact lasts a lifetime – thank you for inspiring us!** 🙏 ✨



## Industrial Training at Visanet Ltd., Washim – Bridging Academia and Industry

a group of students from the information technology department has embarked on an enriching industrial training program at visanet ltd., washim, under the guidance of shri. vinod ingole. this hands-on experience aims to bridge the gap between academic learning and industry practices, providing students with valuable insights into real-world applications of technology future career opportunities. the entire college faculty appreciates this initiative and extends their best wishes to the students for a successful learning experience.





## Poster Presentation Competition

The interbranch poster presentation competition was organized by the Department of Electronics and Telecommunication Engineering to encourage the student to come up with their innovative ideas. The objective of the competition was to ignite the fire of imagination and creativity in the students.



## Antrang 2K25: Igniting Passion, Innovation & Celebration!

As the excitement builds, the **Information Technology branch** is all set to unleash its energy at **Antrang 2K25**—a spectacular fusion of talent, technology, and creativity! This electrifying event promises a thrilling lineup of **tech challenges, cultural extravaganzas, and power-packed performances**, offering IT students the perfect stage to **showcase their skills, ignite new ideas, and create unforgettable memories**. With unstoppable enthusiasm and a spirit of innovation, the IT department is ready to make **Antrang 2K25 bigger, bolder, and more dynamic than ever!** Let's gear up, dive in, and make this celebration legendary! 🚀 💧



## Industrial Visits

Department of Information Technology arranges various industrial visits for students and faculties. The objective of an industrial visit is to provide students with an insight into the corporate world. It provides students with a practical real-world perspective on different functions in organization. Industrial visit bridge the gap between classroom theoretical training and practical learning in a real-life environment. The students get to see the best practices opted by different companies for similar work. It provides an opportunity for students to ask questions related to their area of interest.

Sr. No.	Company / Industry	Location	Class
1	Railway station	Washim	Third Year
2	M.D.B Electrosoft	Amrawati	Third Year



## Honoring Academic Excellence: IT Department Toppers Awarded

As the Information Technology branch continues to foster academic excellence and innovation, the department proudly recognized its top-performing students, Neel Agrawal, Abhishek Sawake, and Radhika Kale, for their outstanding achievements...



### TPO TALKS:



*Dear Readers,*

The training and Placement Cell is one of the integral part of our institute. The T &P Cell works diligently to provide place for students in the industrial world. Here, I took this opportunity to let you know what we did in last two years with the help of my cell members and the support of our principal.

TPO cell works in the following area:

- **Placement activities for final year students.**
- **6-week Industrial Training for students at the end of 4<sup>th</sup> Sem.**
- **Organization of motivational, Personality Development and Industrial Expert Lectures and Industrial Visits.**
- **Organization of Faculty Development Trainings.**

In A.Y 2024-2025, 15 companies visited to our institute and offer 101 jobs to interested students of all branches with highest package of 2.84 LPA. In A.Y 2022-2023, till 13 companies visited to our institute and shortlist 90 students with highest package of 3.75 LPA, yet some companies are in pipeline.

Six-week Industrial Training at the end of 4<sup>th</sup> semester may need to restructure as per guidelines laid by MSBTE. Hope all the departments will emerge with new ideas and concept to fulfill this curriculum requirement. Along with placement, Institute is having 36 active MOUs with various industries and construction companies in local region.

**Shri. U. R. Toshniwal**

LME and Training & Placement Officer  
Government Polytechnic, Washim

## Arundhati Ram

**Patil** is a proud alumna of Government Polytechnic Washim, where she completed her Diploma in Information Technology with a perfect 10.0 CGPA. During her time at the institute, she actively took on leadership roles, serving as the Class Representative and Ladies Representative, while also contributing as a member of the Nirbhaya Committee. Her dedication and excellence earned her selection for the prestigious National Student Culture Exchange Program by the Government of India. After completing her diploma, she pursued further studies and is currently enrolled in the M.Tech. program in AI & Data Science Engineering at IIT Patna. She also gained industry experience as a Data Analyst at DWAO, showcasing her expertise in



---

---

**Thank You**

---

---

**Contact us:**

**Department of Information Technology.**

**Government Polytechnic, Washim**

Risod Road, Lakhala, Washim - 444505, Maharashtra, India.

**E-mail:** [office.gpwashim@demaharashtra.gov.in](mailto:office.gpwashim@demaharashtra.gov.in)

**For Private Circulation Only.**

**Disclaimer:** Views, thoughts and opinion expressed in text belong solely to the authors and do not necessarily reflect the official policy of Information Technology. Department.