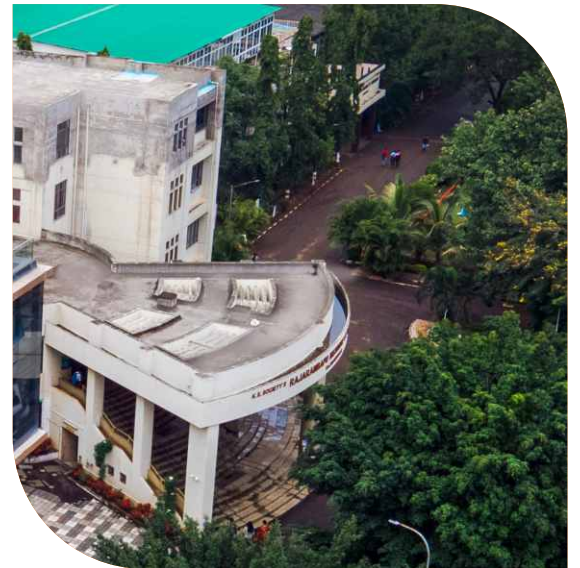
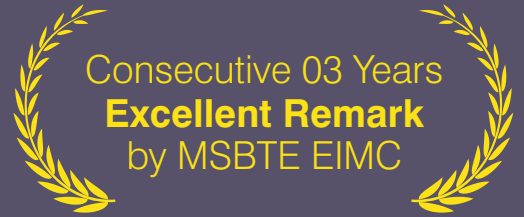


# NEWSLETTER

Semester wise Publication of RIT\_Diploma  
Issue I : June 2023 - January 2024



## Institute Vision

To be a recognized polytechnic institute committed to excellence in academics, knowledge creation and delivery to develop socially responsible professionals.

## Institute Mission

- To impart technical knowledge and skills along with ethical and social values.
- To strengthen association with industry and alumni to make students technically and socially responsible citizens.
- To promote students for higher studies in reputed institutes.
- To ensure employability, encourage entrepreneurship and promote lifelong learning.

## Editorial Board

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## MSBTE Remark



महाराष्ट्र राज्य तंत्रशिक्षण मंडळ, मुंबई (MSBTE) यांच्या मार्फत शैक्षणिक वर्ष 2022-23 साठी घेण्यात आलेल्या अवेक्षण मध्ये आर. आय. टी. डिप्लोमा मधील **कॉम्प्युटर इंजिनिअरिंग व कॉम्प्युटर हार्डवेअर मॅटेन्स** विभागाला मिळाला "Very Good" श्रेण

## हार्दिक अभिनंदन

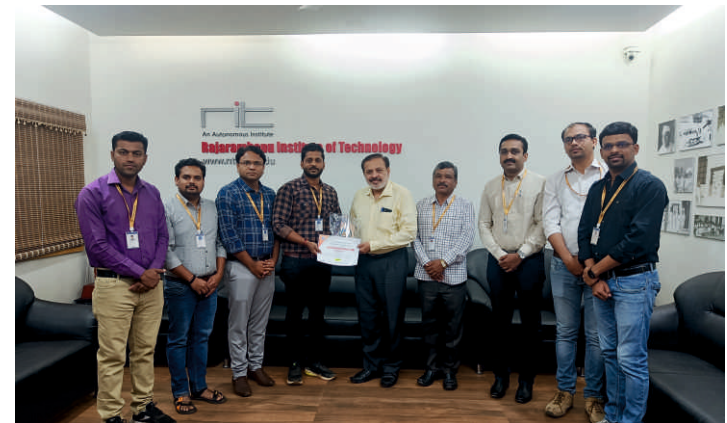
विभाग	MSBTE श्रेण
ऑटोमोबाईल इंजिनिअरिंग	Excellent
सिव्हिल इंजिनिअरिंग	Excellent
इलेक्ट्रिकल इंजिनिअरिंग	Excellent
मेकॅनिकल इंजिनिअरिंग	Excellent

## Newspaper Coverage



Collage of newspaper articles from 'Aar Aayati' newspaper. Key headlines include: 'आरआयटीच्या विद्यार्थ्यांचे उन्हाळी परीक्षेत यश', 'आरआयटीच्या विद्यार्थ्यांचे अंतरराष्ट्रीय विद्यार्थ्यांचे स्वागत', and 'आरआयटी'ला डॉ. किरण सेठ यांची भेट'.

## Achievement



Team Elite from Department of Mechanical Engineering (Diploma) secured "Excellence Award" in National Convention on Quality Concepts organized by QCFI, Nagpur Chapter

**Activities Organized**



Department of Automobile and Mechanical Engineering organized Two Day FDP on Preparation for NBA Accreditation for Polytechnic Programs.



RIT GANESH FESTIVAL CELEBRATION 2023



Independence Day was celebrated by honoring the families of martyrs who died while serving in the Indian Army.



Department of Mechanical and Automobile Engineering Diploma organized MECHAUTO VIBES on the occasion of Engineers Day.



Inauguration of Global Education Fair 2024 by Hon. Pratik Patil and Hon. Jayant Patil, Member Board of Governance RIT in the presence of RIT Officials.



MoU Signing between Rajarambapu Institute of Technology and Georgian National University SEU, Tbilisi.



**വിദ്യാ** Annual Gathering



**IEDSSA** Achievements



RIT Diploma Cricket Team secured Winner position in IEDSSA B2 Zone tournament held at Wilingdone College, Sangli.



RIT Diploma Wrestling Team secured Winner position in IEDSSA Internzone tournament held at NMPI, Peth.



Ms. Shreya Mane, SY Computer Engineering secured Winner position in Interzonal Long Jump Competition held at Ramachandra College of Engineering and Polytechni, Pune.



RIT Diploma Kho-Kho Team (Girls) secured Runner up position in IEDSSA B2 Zone tournament held at Wilingdone College, Sangli.

**Achievements**



Welcome of First Year Diploma Students from Zimbabwe



Celebration of Rakhipournima by Department of Mechanical Engineering-Diploma



Mr. A. M. Kulkarni  
Mechanical Engineering



Mr. A. S. Mulani  
Electrical Engineering



Mr. N. C. Gaikwad  
Mechanical Engineering



Mr. A. P. Gaurvdakar  
Mechanical Engineering

**Promising Young Teacher Award 2023**

**Contribution Towards Research 2023**



*Polyparivar*



**Mr. Khodave Nikhil**  
LECTURER  
COMPUTER ENGINEERING

### Unleashing the Power of Cloud Computing:

Cloud computing has emerged as a game-changing technology, enabling businesses and individuals to access a wide range of computing resources over the internet on-demand. From startups to multinational corporations, organizations are leveraging the flexibility, scalability, and cost-effectiveness of cloud services to drive innovation, streamline operations, and accelerate growth. In this article, we'll delve into the world of cloud computing, exploring its evolution, key concepts, and transformative impact on the digital landscape.

**A Brief History:** The concept of cloud computing traces its roots back to the 1960s, with the development of time-sharing systems that allowed multiple users to access a single computer simultaneously. However, it wasn't until the 21st century that cloud computing gained widespread adoption, fueled by advancements in virtualization, networking, and internet technology. Companies like Amazon, Google, and Microsoft pioneered the development of cloud platforms, offering a range of services including infrastructure, platform, and software as a service (IaaS, PaaS, and SaaS).

**Key Concepts:** At its core, cloud computing refers to the delivery of computing services—including servers, storage, networking, databases, software, and analytics—over the internet on a pay-as-you-go basis. The cloud computing model is characterized by its scalability, elasticity, and self-service provisioning, allowing users to rapidly deploy and scale resources based on demand. Key concepts in cloud computing include:- Infrastructure as a Service (IaaS): Provides virtualized computing resources such as virtual machines, storage, and networking on-demand.- Platform as a Service (PaaS): Offers a development platform and tools for building, deploying, and managing applications without the complexity of underlying infrastructure.- Software as a Service (SaaS): Delivers software applications over the internet on a subscription basis, eliminating the need for users to install, maintain, and update software locally.

**Transformative Impact:** Cloud computing has transformed the way businesses operate, empowering them to innovate faster, reduce IT costs, and scale operations globally. Organizations can leverage cloud services to launch new products and services more quickly, improve collaboration and communication, and gain insights from data analytics. Moreover, cloud computing enables businesses to adopt agile and DevOps practices, accelerating the software development lifecycle and enhancing agility and competitiveness.

### Challenges and Opportunities:

While cloud computing offers numerous benefits, it also presents challenges related to security, compliance, data privacy, and vendor lock-in. Organizations must carefully consider factors such as data sovereignty, regulatory requirements, and risk management when migrating to the cloud. Additionally, as cloud technologies continue to evolve, new opportunities emerge for innovation in areas such as artificial intelligence, machine learning, Internet of Things (IoT), and edge computing.

### Conclusion:

Cloud computing has become an indispensable enabler of digital transformation, driving innovation, agility, and efficiency across industries. As organizations embrace the cloud-first mindset and leverage the power of cloud services, they are better positioned to adapt to evolving market dynamics, meet customer demands, and thrive in an increasingly interconnected and competitive world. With its limitless potential and continued evolution, cloud computing is poised to shape the future of technology and redefine the way we work, communicate, and collaborate in the digital age.

