

## Induction Program

The Department of MCA at K. K. Wagh Institute of Engineering Education and Research (Autonomous) hosted the Induction Programme 2K24, welcoming a new batch of students with a series of insightful sessions and speeches. The event commenced at 10:00 A.M. with student volunteers initiating the proceedings, followed by a welcome speech from Dr. V. C. Bagal.

The programme featured the lighting of the lamp ceremony and the felicitation of dignitaries, including Mr. Tanzim Shaikh, who later delivered a keynote address. SYMCA students and class toppers were also recognized during the event. Dr. S. Y. Kute, Dean Academics, and Dr. K. N. Nandurkar, Director of KKWIEER, addressed the audience, inspiring students to excel in their academic journey.



## Industrial Visits:

- Decimal Point Analytics -6<sup>th</sup> November 2024.
- Winjit Technologies Pvt. Ltd., Nashik- 30<sup>th</sup> August 2024
- Netwin Infosolutions Pvt. Ltd., Nashik- 3<sup>rd</sup> May 2024
- Windhans Technologies, Nashik-2<sup>nd</sup> May 2024

## Glimpses of Industrial Visit:



**Decimal Point Analytics Nashik**      **Winjit Technologies Pvt Ltd.**



**Netwin Infosolutions Pvt. Ltd.**      **Windhans, Nashik**



## Full Stack Java Developer Training in Collaboration with Symbiosis Skills and Professional University & Capgemini

The Department of MCA successfully conducted two-month Full Stack Java Developer training in collaboration with Symbiosis Skills and Professional University and Capgemini. Held from June 24, 2024, the program was offered at no cost to eligible students, aiming to enhance their technical skills and employability.

A total of 57 MCA students successfully completed the training, gaining hands-on experience in Java development.



### Expert Lectures organized

**Current Trends in Computing**  
exploring the latest advancements and emerging technologies in the computing world.

Speaker: Mr. Rameshwar Rathi, Software Developer, WinJit Technology, Nashik

**A Practical Approach for Software Project Management Process**

Understanding key methodologies for managing software projects efficiently.

Speaker: Ms. Tanzeem Shaikh, Senior Quality Assurance Lead, WinJit Technology, Nashik

**Fundamentals of Cloud computing**

An introduction to cloud computing concepts, architecture, and services.

Speaker: Mr. Shailesh Kankrej, Director, Tega IT Solutions Pvt. Ltd.

**Web Hosting**

Understanding website hosting, domain management, and server configurations.

Speaker: Mr. Ujwala Kori, Content Head, Milesweb India

**Computer Application and Boarding to MCA**

Guiding students on transitioning to an MCA program and career opportunities.

Speaker: Mr. Tanzim Shaikh, Senior Quality Assurance Lead, WinJit Technology, Nashik

### Building a Career in Technology: Skills and Strategies

Essential skills and career-building strategies for aspiring tech professionals.

Speaker: Ms. Priya Rakibe, Assistant Professor, KKWIEER, Nashik

**Drone Awareness**

Insights into drone technology, applications, and future opportunities.

Speaker: Mr. Nikhil Baravkar, Sr. Executive, PDRL, Nashik

**Logic Building and Mathematics**

Developing strong logical reasoning and mathematical foundations for programming.

Speaker: Mr. Vikas Singh, IT Trainer, Humming Bytes

**Current Trends in Computing**

A deep dive into modern computing technologies and industry demands.

Speaker: Mr. Rahul Pande, CEO, Application Nexus

**Mathematical Modelling of Cyber Resilience**

Using mathematical techniques to enhance cybersecurity and resilience strategies.

Speaker: Mr. Pankaj Wagh, Business Development Manager, CYBSKY - Cyberambassador Solutions Pvt. Ltd.

**Mathematics and Machine Learning**

Exploring the role of mathematics in developing machine learning models.

Speaker: Ms. Priyanka Bagul, Developer, Softcrowd Technologies Pvt. Ltd.

**JavaScript**

Understanding JavaScript fundamentals and its role in web development.

Speaker: Ms. Akshada Tajanpur, Sr. Developer, Application Nexus Pvt. Ltd.

**Angular and React JS**

Introduction to modern JavaScript



frameworks for frontend development.  
Speaker: Ms. Kartiki Jadhav, Jr. Developer,  
Application Nexus Pvt. Ltd.

#### **P.P. Platform**

Exploring a project and portfolio management platform for businesses.  
Speaker: Mr. Aseem S Pandit, Director,  
Weplus Consultancy Pvt. Ltd.

#### **Cybersecurity - Career Guidance**

Career paths, skills, and certifications in the field of cybersecurity.  
Speaker: Adv. Swarada Kabnurkar, Advocate,  
White Band Associate, Nashik

#### **Generative AI**

Understanding the capabilities and applications of AI in content generation.  
Speaker: Mr. Chetan Yeola, Sr. Associate  
Consultant, Infosys

#### **Optimizing Complex Systems: Advanced Applications of Data Structures in Modern Computing**

How data structures enhance performance and efficiency in computing systems.  
Speaker: Mr. Rohan Naidu, Software  
Engineer, Narola Infotech, Nashik

#### **Go Language**

Introduction to Go programming and its applications in modern software development.  
Speaker: Mr. Abhik Desai, Software Engineer,  
Boselo

#### **Global Assessments and Internship**

Opportunities for global assessments and internships to enhance employability.  
Speaker: Mr. Dipak Dhote, Operations  
Manager, ITNetwork Infosystems Pvt. Ltd.



#### **Abstract of Research Papers published**

##### **Title: Advancing Crop Yield Prediction through Machine and Deep Learning For Next-Gen Farming.**

**Dr. V. R. Dhawale**, Journal of Theoretical and Applied Information Technology (JATIT),  
ISSN: 1992-8645, E-ISSN: 1817-3195,  
November 2024

**Abstract:** Agriculture has contributed to India's GDP, accounting for 15-18% of the economy. However, Indian agriculture faces persistent challenges threatening its long-term stability, including soil degradation, pest management issues, and fluctuating crop prices. These challenges create significant uncertainty in crop yields. To address this, we propose data-driven solutions using machine learning and deep learning models to improve the accuracy of crop yield predictions. Machine learning models, such as decision trees, random forests, gradient boosting, and ensemble techniques like XGBoost, along with deep learning models like convolutional neural networks (CNNs) and long short-term memory (LSTM) networks, provide reliable predictions and precise forecasting, enabling farmers to achieve more stable and optimized yields. Beyond economic benefits, accurate crop prediction also enhances food security



and strengthens rural economies. By advancing precision in agricultural forecasting, these methods can help tackle longstanding agricultural issues, contributing to economic growth, increased profits, and a stable food supply for India. Embracing data-driven approaches is essential to addressing the evolving challenges of the nation's agricultural sector.

### **“A Study of Effectiveness of Current Cyber Security Measures and Architecture”**

Dr. V. C. Bagal, Journal of Transportation Systems Engineering and Information Technology, DOI: [10.14299/jtseit.12.6.2024.09](https://doi.org/10.14299/jtseit.12.6.2024.09)  
ISSN: 1009-6744, June 2024

**Abstract:** In today's technology-driven and interconnected world, understanding and effectively utilizing cyber security is crucial. Without proper security measures, systems, important files, data, and other virtual assets are at significant risk. Cybersecurity is essential for all companies, regardless of whether they are IT firms. As advancements are made in cybersecurity technology, attackers also improve their hacking techniques, targeting the vulnerabilities of many businesses. Cyber security is vital for military, government, financial, medical, and corporate organizations, as they collect, process, and store vast amounts of data on computers and other devices. Much of this data is sensitive, including financial information, intellectual property, personal details, and other types of data that, if accessed or exposed illegally, could have severe negative consequences. Therefore,

Sr. No.	Name of the Company	No. of Students Placed
1	CRM	2
2	Narola Infotech	7
3	Application Nexus	5
4	Bosleo	1
5	Game Cloud	2
6	Tech Mahindra	1
7	Netwin	2
8	Samarth Trust	15

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#### **Mission**

- To impart quality education by building expertise in advanced computing technologies and fostering professional's competence through a blend of theoretical knowledge and practical skills
- To nurture innovation by encouraging solution-oriented approaches, promoting research, and facilitating collaborations with industry and academia
- To foster professional ethics and social responsibility by preparing graduates to use technology for sustainable development and social benefit

*Vision: To develop industry ready computer professionals who can deploy their technology for societal problems*