KBTCOE NEWS LETTER

DEPARTMENT OF COMPUTER ENGINEERING

News letter 2023-24

VOL-VI * ISSUE-1

Welcome to the vibrant world of K.B.T. College of Engineering, Nashik, where innovation meets excellence! Since its inception in 1999, our institution has been a beacon of knowledge, fostering growth and development in the hearts and minds of our students and the broader community.

At K.B.T. COE, we offer a diverse array of four-year undergraduate programs, ranging from Mechanical Engineering to Information Technology, ensuring that our students are equipped with the skills and knowledge needed to thrive in today's dynamic world. Additionally, our postgraduate offerings, including MBA, MCA, and specialized ME programs, provide further opportunities for academic and professional advancement.

With the launch of our newsletter in January 2017, we embarked on a journey to keep our student and staff community, as well as society at large, informed and engaged. Through this platform, we not only share important updates and announcements but also celebrate the achievements and milestones of our K.B.T. COE family.

As you explore our latest issue, available on our college website, www.kbtcoe.org, you'll discover a treasure trove of stories that highlight our collective successes, foster unity, and inspire a spirit of camaraderie and motivation. Join us as we continue to push the boundaries of excellence and shape the future together at K.B.T. College of Engineering, Nashik.

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VISION, MISSION AND OBJECTIVES OF THE DEPARTMENT :

VISION

TO BE THE CENTER FOR EXCELLENCE FOR TRAINING THE WORLD-CLASS ENGINEERS TO WORK WITH MULTIDISCIPLINARY DOMAIN BASED ON THE STATE- OF-THE-ART OF TECHNOLOGY ENABLED ACADEMIC SYSTEM BLENDED WITH INDUSTRIAL AND BUSINESS PRACTICES.

MISSION

TO EDUCATE AND TRAIN UNDERGRADUATE STUDENTS IN COMPUTER ENGINEERING BY INSTILLING EXCELLENCE TO FULFILL PROFESSIONAL AND SOCIAL REQUIREMENTS IN BUSINESS AND INDUSTRY ON THE PLATFORM OF SCIENTIFICALLY DESIGNED ACADEMIC PROCESSES..

PROGRAM EDUCATIONAL OBJECTIVES

TO INCULCATE COMPUTATIONAL AND PROGRAMMING SKILLS IN THE FIELD OF COMPUTER ENGINEERING.TO PREPARE THE GRADUATES TO FULFILL PROFESSIONAL REQUIREMENTS IN INDUSTRY.TO DEVELOP THE GRADUATES TO SOLVE PROBLEMS RELATED TO THE SOCIETY

Editorial Team

Dr. Vaishali Tidake
Editor-in-chief

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Editor

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STEM WORKSHOP

The STEM workshop organized by MVPS's KBTCE IEEE Student Branch in collaboration with the IEEE Bombay Section targeted 8th standard students from Wagh Guruji School in Nashik. Sponsored by the IEEE Bombay Section, the workshop aimed to introduce students to the world of Internet of Things (IoT) and inspire them to pursue careers in engineering by providing practical experience in building IoT-based projects.
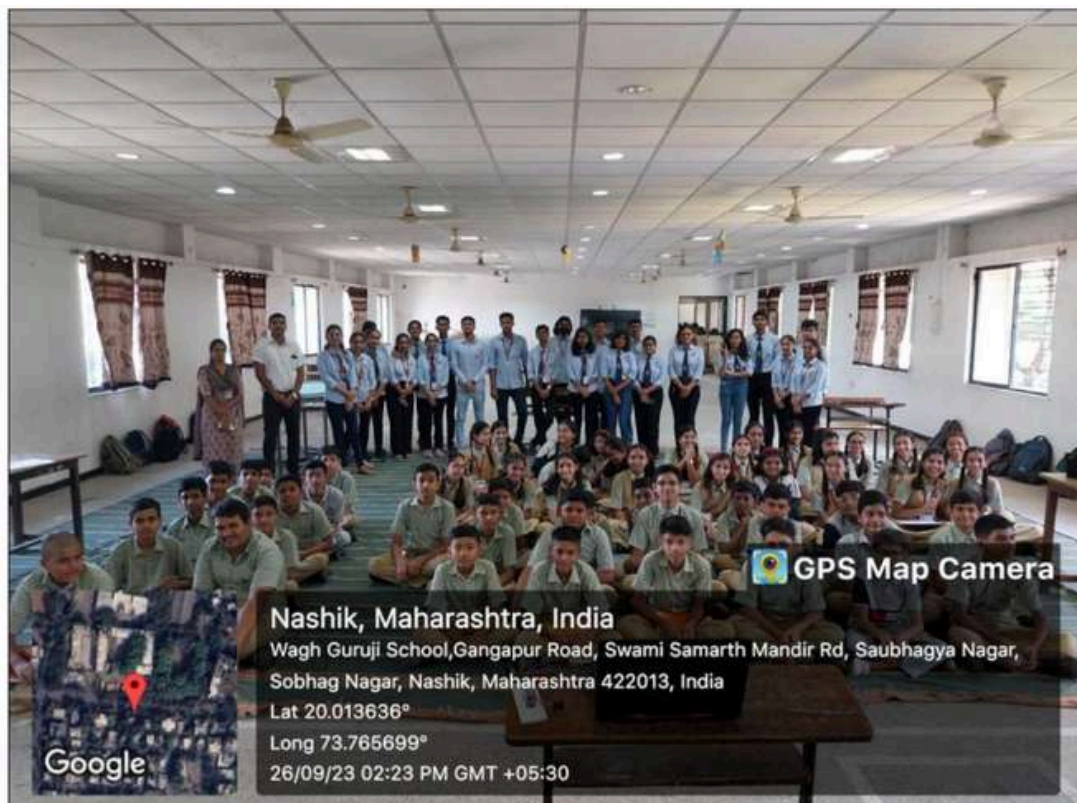
Key Details of the Workshop:

Organizers and Sponsors:

- Organized by: MVPS's KBTCE IEEE Student Branch
- In Association with: IEEE Bombay Section
- Sponsored by: IEEE Bombay Section

Participants:

- Students: 52 students from 8th standard of Wagh Guruji School, Nashik
- Coordinator: Ms. D.L. Tidke

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Workshop Activities:

1. Introduction to Components:
   - IEEE members and volunteers began by explaining the various components used in IoT projects. This included sensors, microcontrollers, actuators, and other essential hardware.
2. Demonstration:
   - The working of each component was demonstrated to the students, ensuring they understood the function and importance of each part within an IoT system.
3. Coding and Implementation:
   - Volunteers showed the students how to write code for IoT devices. This included basic programming concepts and how to upload the code to microcontrollers and other devices.
4. Hands-on Experience:
   - Students were given the opportunity to work on the projects themselves. This hands-on session was designed to reinforce the learning from the demonstrations and lectures, allowing students to build and test their own IoT projects under the guidance of the volunteers.

The workshop successfully engaged 52 students, providing them with a foundational understanding of IoT technology and encouraging their interest in engineering and technology fields.

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Activities & Events

Sr. No.	Session/Workshop	Date(s)	Details	Coordinator(s)
1	Tata STRIVE Google Certification Program	15/09/2023	Ms. Priyanka Shinde from Tata Strive guided students about the importance of certification and Google certification courses.	Mr. B.S. Gholap
2	STEM Workshop	27/09/2023	Organized for 8th standard students by MVPS's KBTCE IEEE SB and IEEE Bombay section. Focused on building smart IoT projects.	Ms. D.L. Tidke
3	Design Thinking Workshop	-	SE and TE Computer Engineering students participated. Guided by Mr. Viraj R. Sonawane and Dr. Akshaykumar M. Bhoi.	-
4	No Code Sprint Session	27/09/2023	Session on "No Code Sprint" by Mr. Pushkar Gaikwad, coordinated by ED-Cell.	Mr. S. T. Datir, Dr. B.S. Tarle
5	BlockChain Workshop	10/10/2023 to 14/10/2023	Workshop on Blockchain technology and applications for final year students, co-sponsored by IEEE Bombay section.	-

Activities & Events

Sr. No.	Session/Workshop	Date(s)	Details	Coordinator(s)
6	Career Guidance and Placement Orientation	04/10/2023	Session by Dr. Chetankumar Labhade and Mr. Ashfak Khatib from BSTC, Nashik.	Mr. B.S. Gholap
7	SEBI Sponsored Session on "Awareness for Commodity Derivatives"	16/10/2023	Session on commodity derivatives as part of Finance Literacy Week.	-
8	Session on Higher Studies	18/10/2023	Session on higher studies abroad by Zen Abroad Consultancy, Nashik.	Mr. B.S. Gholap
9	Expert Session on Solving Knapsack Problem using Genetic Algorithms	09/10/2023	Session for final year students by Dr. V. S. Tidake, focusing on Genetic Algorithms for Design and Analysis of Algorithms.	-
10	Presentation on NEP and Autonomy	18/10/2023	Presentation by Dr. B.S. Tarle for the staff members of the department.	-
11	Expert Session by Aditya More	24/11/2023	Session on "Introduction to Gaming Tools: Hands-on session" by Mr. Aditya More, including game development insights and demonstrations.	Dr. V. S. Tidake, Ms. D. L. Tidke

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Faculty Participation

Sr. No.	Name	Event	Dates	Organizer/Institution
1	Dr. B.S. Tarle	One Week National Level Faculty Development Program on Cloud Infrastructure (AWS)	21/08/2023 to 25/08/2023	-
2	Dr. V.S. Pawar	One Week National Level Faculty Development Program on Cloud Infrastructure (AWS)	21/08/2023 to 25/08/2023	-
3	Mr. B. S. Gholap	One Week National Level Faculty Development Program on Cloud Infrastructure (AWS)	21/08/2023 to 25/08/2023	-
4	Ms. S.V. Pawar	NPTEL FDP on Python for Data Science	-	NPTEL
5	Dr. V. S. Tidake	03 Days Workshop on Introduction to Innovative Pedagogies for UG and PG Teachers	21/10/2023 to 23/10/2023	MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik (IISER Pune and supported by MSFDA)
6	Dr. V. S. Pawar	03 Days Workshop on Introduction to Innovative Pedagogies for UG and PG Teachers	21/10/2023 to 23/10/2023	MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik (IISER Pune and supported by MSFDA)
7	Ms. M. B. Thombare	One Week FDP on Research Methodology	06/11/2023 to 10/11/2023	REST Society for Research International (RSRI)

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STUDENTS ACHEIVEMENTS

Sr. No.	Name of Student	Achievement
1	Harshdeep Pawar	Participated in intercollegiate chess competition organized by SPPU, team won first prize
2	Umesh Nitnavare	Met Principal Dr. S.R. Devane at Michigan, USA to discuss new skills and technologies
3	Sagar Mahajan	Participated in inter-zonal cycling competition

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STUDENT PLACEMENTS

Sr. No.	Name of Student	Annual CTC	Company Name
1	Rutuja Ahire	4.71 LPA	Aress Software and Education Technologies Private Limited., Nashik
2	Manish Karegaonkar	3.5 LPA	iNSNAPSYS, Nashik
3	Rohan Dash	3.00 LPA	HiveMinds
4	Pratik Joshi	3.00 LPA	HiveMinds
5	Aditya Kalaskar	3.00 LPA	HiveMinds
6	Om Keskar	3.00 LPA	HiveMinds
7	Premroop Khairnar	4.50 LPA	Winjit Technologies, Nashik
8	Umesh Rane	4.50 LPA	Winjit Technologies, Nashik
9	Siddhi Duseja	4.50 LPA	ROBOYO Global, Hyderabad
10	Prajwal Vispute	4.50 LPA	ROBOYO Global, Hyderabad
11	Om Kesakr	4.50 LPA	ROBOYO Global, Hyderabad
12	Sanket Pawar	4.50 LPA	ROBOYO Global, Hyderabad

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Parent's Meeting

Date and Venue:

The Parents' Meeting for SE, TE, and BE students was held on October 21, 2023, in the Computer Engineering Department.

Welcome and Introduction:

Dr. B.S. Tarle, Head of the Computer Engineering Department, welcomed the parents, emphasizing the importance of their involvement in their children's development.

Department Overview:

Dr. Tarle covered key areas including:

- **Academic Programs:** Structure, specializations, and resources.
- **Departmental Achievements:** Recent accolades, research projects, and publications**.**
- **Faculty and Staff:** Introductions and roles.
- **Infrastructure and Facilities:** Labs, computer centers, and technological resources.

Initiatives for Student Development:

Dr. Tarle outlined initiatives for students' overall growth:

- **Academic Support:** Workshops, mentoring, and remedial classes.
- **Industry Collaboration:** Internships, projects, and curriculum development.
- **Research and Innovation:** Encouragement for research and participation in competitions.
- **Extracurricular Activities:** Clubs, cultural activities, and community service.
- **Career Development:** Soft skills training, placement activities, and alumni support.

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Conclusion

Dr. Tarle thanked the parents for their support and emphasized the importance of ongoing communication for students' success. The meeting was positively received, with parents appreciating the department's efforts.

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Field Visits

A. Solar Gandhi Bus Visit

1. Introduction:

The Solar Gandhi Bus, a project by Prof. Chetan Singh Solanki of IIT Bombay, serves as a mobile demonstration unit showcasing the practical applications of solar energy.

2. Objectives:

- The visit aimed to educate SE COMP students about renewable energy sources, specifically solar power, and their significance in addressing environmental challenges.

3. Itinerary:

Departing from the college, students arrived at the Solar Gandhi Bus location where they were introduced to the bus and its solar energy systems. The itinerary included a detailed explanation of the functioning of solar panels and batteries onboard. Interactive sessions allowed students to explore the technical aspects and benefits of solar energy applications. The visit concluded with a reflection on the potential of solar energy in sustainable development.

4. Key Learnings:

- Understanding the practical applications of solar energy.
- Exploring the engineering behind solar power systems.
- Recognizing the importance of renewable energy sources in combating climate change.

5. Conclusion:

The Solar Gandhi Bus visit provided SE COMP students with valuable insights into the practical applications of solar energy. Through interactive sessions and demonstrations, students gained a deeper understanding of renewable energy sources and their role in sustainable development.

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Field Visits

B. Netwin Industrial Visit

1. Introduction:

The industrial visit to Netwin Infosolutions aimed to provide final year students with insights into industry practices and real-world applications of their academic knowledge.

2. Objectives:

- Students were expected to gain exposure to the working environment of a tech company, understand software development processes, and explore career opportunities in the IT sector.

3. Itinerary:

Departing from the college, students arrived at Netwin Infosolutions, where they were welcomed by HR Ms. Sneha Mandlik. The itinerary included a guided tour of the company facilities, presentations on projects and technologies used, and interactive sessions with company representatives. The visit concluded with a discussion on industry trends and career prospects in the IT industry.

4. Key Learnings:

- Insight into the functioning of a tech company.
- Understanding software development practices.
- Exploring career options in the IT sector.

5. Conclusion:

TThe Netwin Industrial Visit offered final year students a glimpse into the working environment of a tech company, fostering an appreciation for industry practices and career opportunities in the IT sector.

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Field Visits

C.Traffic Park Visit

1. Introduction:

The visit to the Traffic Park aimed to educate SE Computer students on road safety and traffic awareness, aligning with the Audit Course curriculum.

2. Objectives:

- Students were expected to learn about traffic rules, safety measures, and the importance of responsible behavior on the road.

3. Itinerary:

Departing from the college, students arrived at the Traffic Park, where they received an introduction to the initiative by the Advantage Nashik Foundation. The itinerary included demonstrations of various traffic scenarios, interactive sessions on road safety practices, and discussions on the consequences of traffic violations. The visit concluded with a recap of key learnings and safety tips.

4. Key Learnings:

- Understanding traffic rules and regulations.
- Recognizing the importance of responsible behavior on the road.
- Learning about the consequences of traffic violations.

5. Conclusion:

The Traffic Park visit facilitated SE Computer students' learning about road safety and traffic awareness. By observing traffic scenarios and participating in interactive sessions, students developed a heightened sense of responsibility on the road.
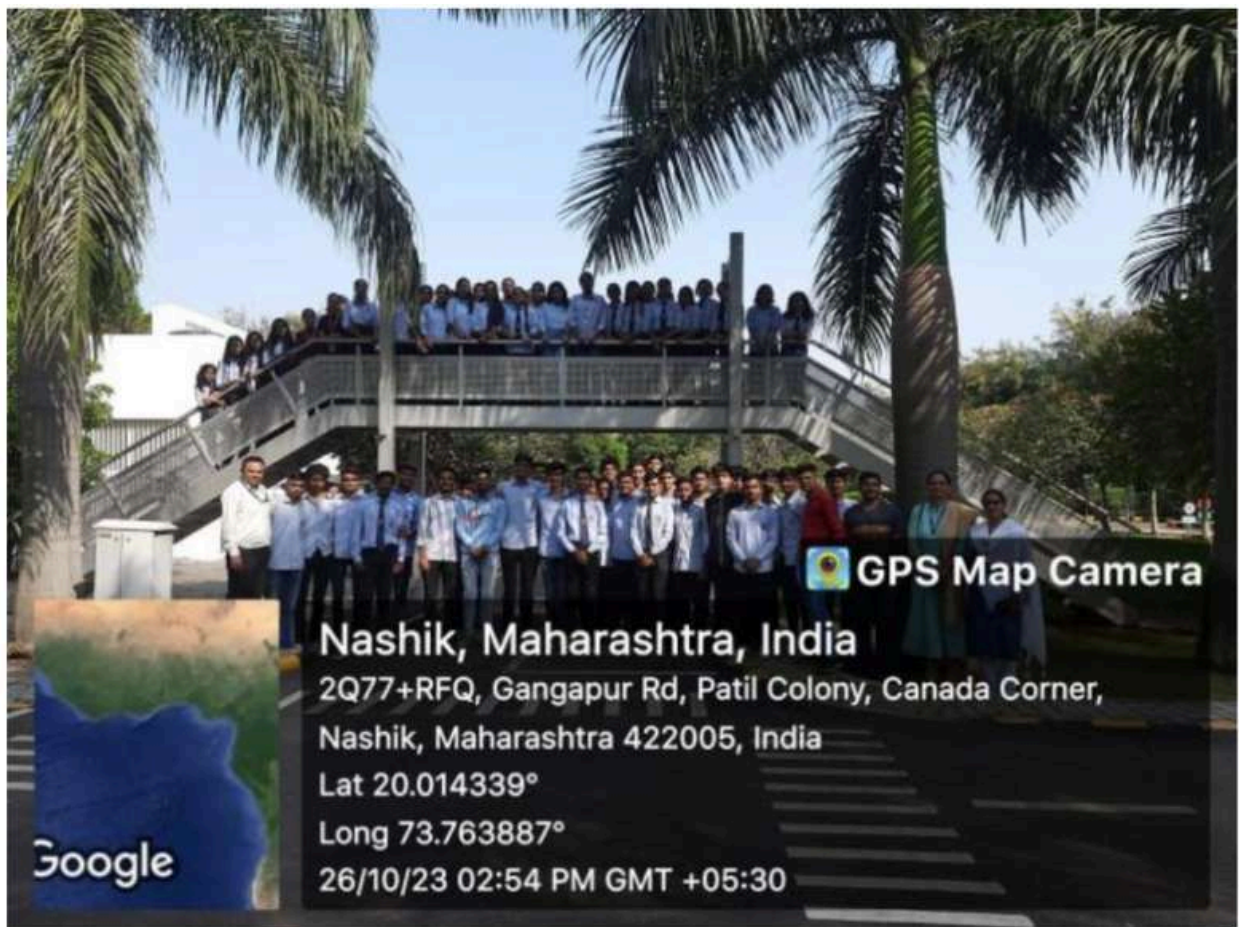
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Field Visits

D. Industry Visit to CDAC, Mumbai

1. Introduction:

The industrial visit to CDAC (Centre for Development of Advanced Computing) in Mumbai was organized for third-year students on October 19, 2023. The visit aimed to provide students with practical insights into advanced computing technologies and real-world applications of their academic knowledge.

2. Objectives:

- Exposure to Advanced Computing: Students were expected to gain exposure to cutting-edge technologies and research in advanced computing.
- Understanding Development Processes: To understand the processes involved in software and hardware development at a leading research organization.
- Career Opportunities: To explore career opportunities in the field of advanced computing and related areas.

3. Itinerary:

Departing from the college, students arrived at CDAC, Mumbai, where they were welcomed by the CDAC team. The itinerary included a guided tour of the CDAC facilities, presentations on current projects and technologies, and interactive sessions with CDAC researchers and engineers. The visit also featured demonstrations of advanced computing systems and discussions on future trends in technology.

4. Key Learnings:

- Insight into Advanced Computing: Students gained valuable insights into the functioning and projects of a premier research organization in advanced computing.
- Understanding Development Practices: Students learned about the development practices and methodologies used in high-performance computing and other advanced technology areas.
- Exploring Career Options: The visit provided students with a better understanding of potential career paths in advanced computing and research sectors.

5. Conclusion:

TThe Netwin Industrial Visit offered final year students a glimpse into the working environment of a tech company, fostering an appreciation for industry practices and career opportunities in the IT sector.

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Training Activities

1. PL/SQL Training by Zensar Technologies

From October 5 to October 21, 2023, the Department of Computer Engineering organized a comprehensive online training session on Core Java for third-year (SE) students. The training aimed to provide students with a robust understanding of Core Java programming. The sessions were conducted daily, focusing on both theoretical concepts and practical applications.4

Trainer:

Mr. Anirudha Gaikwad: An experienced professional from Aspiring Careers, Pune, Mr. Anirudha Gaikwad brought his extensive knowledge and expertise in Core Java to the training sessions. His experience in real-world applications and solutions provided students with practical insights and valuable learning.

The training was organized with the dedicated efforts of:

- **Prof. Dr. B. S. Tarle:** Head of the Computer Department, who oversaw the planning and execution of the training program.
- **Mr. B. S. Gholap:** Who played a crucial role in coordinating and facilitating the event, ensuring that all logistical and academic needs were met.

Training Objectives:

1. Fundamental Understanding: To impart foundational knowledge of Core Java, including its syntax, structure, and key functionalities.
2. Practical Application: To provide hands-on experience with Core Java programming through practical exercises and real-world examples.
3. Advanced Skills: To cover advanced topics in Core Java, preparing students for complex software development tasks.
4. Industry Relevance: To align the training with industry standards and practices, enhancing students' employability.

2. AICTE's Next Gen Employability Technical Training Phase-I

AICTE's Next Gen Employability Technical Training Phase-I is an initiative aimed at enhancing the technical skills and employability of third-year and final-year students through focused training sessions on Data Analytics with Cloud.

Training Details:
- Title: AICTE's Next Gen Employability Technical Training Phase-II
- Focus Areas: Data Science and Cloud Computing
- Target Audience: Third Year (TE) students

Trainers:
- Mr. Shashank Shekhar
- Mr. Mahesh Kurhe
- Both trainers are from the Edunet Foundation and have extensive experience in Data Analytics and Cloud Computing.

The training was organized with the dedicated efforts of:
- **Prof. Dr. B. S. Tarle**: Head of the Computer Department, who oversaw the planning and execution of the training program.
- **Mrs. R. P. Chandwadkar:** Who played a crucial role in coordinating and facilitating the event, ensuring that all logistical and academic needs were met.

Training Objectives:
1. Technical Proficiency: To equip students with a solid understanding of Data Analytics and Cloud Computing concepts.
2. Practical Application: To provide hands-on experience with industry-standard tools and technologies used in data analytics and cloud platforms.
3. Industry Readiness: To prepare students for the job market by aligning their skills with industry requirements, making them more attractive to potential employers.
4. Professional Development: To foster critical thinking, problem-solving skills, and the ability to work with complex data sets, enhancing their overall professional competence.

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