



Department of Computer Science and Engineering



TECH SPACE

Volume-16

June 2023

**Meerut Institute of Engineering and Technology
N.H. 58, Delhi-Roorkee Highway, Baghat Bypass
Road Crossing, Meerut, Uttar Pradesh 250005**



VISION

To be an excellent department that imparts value-based quality education, Research and innovative technology.

MISSION

- M1: To fulfill the requirement of skilled human resources with focus on quality education.
M2: To create globally competent and socially responsible technocrats by providing value and need based training.
M3: To improve Industry-Institution Interaction and encourage the research activities.

PROGRAM EDUCATION OBJECTIVE

- PEO-1: Students will have the successful careers in the field of computer science and allied sectors as an innovative engineer.
PEO-2: Students will advance their careers through professional activities Certification and higher studies.
PEO-3: Students will be able to exhibits high level of professional skills and commitment to life-long learning.
PEO-4: Students will be ready to serve society in any manner and become a responsible and aware citizen.
PEO-5: Establishing students in a leadership role in any field.



PROGRAM OUTCOMES

Engineering Graduates will be able to:

1. **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex 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.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering 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.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



MESSAGE FROM CHAIRMAN



Shri Vishnu Sharan

It is true that the strength of CSE lies in his grit & determination, a forceful support by his excellent subordinates and the overall study orientation by multi development policies that has distinctly made MIET a name brightening up in progression each year.

(Shri Vishnu Sharan)

MESSAGE FROM DIRECTOR



Prof. Brijesh Singh

I congratulate CSE department on the 16th volume of their magazine Tech Space. Our Students are doing good in placements, university merit list, curricular and co-curricular activities. We are working on nurturing the students in every aspect.

I wish success to all students and faculty members in all future endeavors.

(Prof. Brijesh Singh)

MESSAGE FROM HEAD



Prof. Mukesh Rawat

The department considers the committed and dedicated staff as its core strength in providing value education with professional standards. Our faculties with experiences in both teaching and industry constantly aspire to achieve academic excellence with emphasis on ingraining inventive thinking and leadership skills in our students. The department is regularly organising Industry Oriented Programs (IoPs) on Amazon Web Services (AWS), Salesforce, Google Cloud, Python for Machine Learning & Data Science, and JAVA etc to enhance the skills and make the students Industry ready.

(Prof. Mukesh Rawat)



DEPARTMENT PUBLICATIONS

1. A Conference Article Published by Mr. Vijay Kumar Sharma (Assistant Professor), Dr. Md. Iqbal (Professor), Department of Computer Science & Engineering, MIET, Meerut

Mr. Vijay Kumar Sharma (Assistant Professor), Dr. Md. Iqbal (Professor), Department of Computer Science & Engineering has Published a Conference Article on "A Unique Metaheuristic Algorithm for Human Urbanisation", in a conference "2023 International Conference on Device Intelligence, Computing and Communication Technologies, (DICCT)", (2023) 468-471(4) in IEEE Xplore.

[A Unique Metaheuristic Algorithm for Human Urbanisation | IEEE Conference Publication | IEEE Xplore](#)

2. A Conference Article Published by Dr. Mukesh Rawat (Head & Professor), Manan Gupta(Student), Hardik Sharma (Student), Nitesh Kumar (Student), Department of Computer Science & Engineering, MIET, Meerut

Dr. Mukesh Rawat (Head & Professor), Manan Gupta(Student), Hardik Sharma (Student), Nitesh Kumar (Student), Department of Computer Science & Engineering has Published a Conference Article on "Learning-Based Model for Auto-Form Filling", in a conference "Proceedings of International Conference on Recent Trends in Computing", (2023) 15-23(9) in Springer.

[Learning-Based Model for Auto-Form Filling | SpringerLink](#)

3. A Conference Article Published by Mr. Kapil Kumar(Assistant Professor), Shivam Rathi(Student), Shivam Sharma (Student), Sachin Ojha (Student), Department of Computer Science & Engineering, MIET, Meerut

Mr. Kapil Kumar(Assistant Professor), Shivam Rathi(Student), Shivam Sharma (Student), Sachin Ojha (Student), Department of Computer Science & Engineering has Published a Conference Article on "Violence Recognition from Videos Using Deep Learning", in a conference "Proceedings of International Conference on Recent Trends in Computing", (2023) 69-77(9) in Springer.

[Violence Recognition from Videos Using Deep Learning | SpringerLink](#)



DEPARTMENT PUBLICATIONS

4. A Conference Article Published by Dr. Mukesh Rawat (Head & Professor), Samarth Anand(Student), Samarpan Jain (Student), Sarthak Aggarwal (Student), Shital Kashyap (Student), Department of Computer Science & Engineering, MIET, Meerut

Dr. Mukesh Rawat (Head & Professor), Samarth Anand(Student), Samarpan Jain (Student), Sarthak Aggarwal (Student), Shital Kashyap (Student), Department of Computer Science & Engineering has Published a Conference Article on "Managing Peer Review Process of Research Paper" , in a conference "Proceedings of International Conference on Recent Trends in Computing ", (2023) 35-46(12) in Springer.

[Managing Peer Review Process of Research Paper | SpringerLink](#)

5. A Conference Article Published by Ms. Shweta Paliwal (Assistant Professor), Raghav Bhardwaj(Student), Shashvat Mishra(Student), Isha Gupta (Student), Department of Computer Science & Engineering, MIET, Meerut

Ms. Shweta Paliwal (Assistant Professor), Raghav Bhardwaj(Student), Shashvat Mishra(Student), Isha Gupta (Student), Department of Computer Science & Engineering has Published a Conference Article on "Predicting Chances of Cardiovascular Diseases Through Integration of Feature Selection and Ensemble Learning", in a conference "Proceedings of International Conference on Recent Trends in Computing ", (2023) 103-117(15) in Springer.

[Predicting Chances of Cardiovascular Diseases Through Integration of Feature Selection and Ensemble Learning | SpringerLink](#)

6. A Journal Article Published by Mr. Jagbeer Singh (Assistant Professor), Vandana Pathak (Student), Vidhi Gill (Student), Devansh Vihan (Student), Department of Computer Science & Engineering, MIET, Meerut

Mr. Jagbeer Singh (Assistant Professor), Vandana Pathak (Student), Vidhi Gill (Student), Devansh Vihan (Student), Department of Computer Science & Engineering has Published a Journal Article on "Automatic Attendance Monitoring Using Python", in a journal "Journal of Innovations in Data Science and Big Data Management ", (2023) 9-15(7) in MAT Journal.

[Automatic Attendance Monitoring Using Python | Journal of Innovations in Data Science and Big Data Management \(e-ISSN: 2583-9845\) \(matjournals.co.in\)](#)



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7. A Journal Article Published by Mr. Jagbeer Singh (Assistant Professor), Abhinav Mishra (Student), Vivek Kumar Sharma (Student), Department of Computer Science & Engineering, MIET, Meerut

Mr. Jagbeer Singh (Assistant Professor), Abhinav Mishra (Student), Vivek Kumar Sharma (Student), Department of Computer Science & Engineering has Published a Journal Article on "Red Wings - Blood Donation Android Application", in a journal "Journal of Innovations in Data Science and Big Data Management ", (2023) 23-29(7) in MAT Journal.

[Red Wings - Blood Donation Android Application | Journal of Android and IOS Applications and Testing \(matjournals.co.in\)](http://matjournals.co.in)

7. A Journal Article Published by Mr. Jagbeer Singh (Assistant Professor), Unnati Jain(Student), Km. Harshita (Student), Sneha Gupta(Student), Department of Computer Science & Engineering, MIET, Meerut

Mr. Jagbeer Singh (Assistant Professor), Unnati Jain(Student), Km. Harshita (Student), Sneha Gupta (Student), Department of Computer Science & Engineering has Published a Journal Article on "UNUSED LAND RECOGNITION FOR POPULATION MIGRATION: CASE STUDY ", in a journal "Journal of Data Acquisition and Processing ", (2023) 3524-3540 in Journal of Data Acquisition and Processing Journal.

<https://sjcjvcl.cn/article/view-2023/3524.php>

8. A Journal Article Published by Mr. Jagbeer Singh (Assistant Professor), Uruj Fatima(Student), Simra (Student), Urvashi(Student), Mohd, Nabeel Alvi(Student), Department of Computer Science & Engineering, MIET, Meerut

Mr. Jagbeer Singh (Assistant Professor), Uruj Fatima(Student), Simra(Student), Urvashi(Student), Mohd, Nabeel Alvi(Student), Department of Computer Science & Engineering has Published a Journal Article on "EYE DISEASE DETECTION USING MACHINE LEARNING (With medicine specification and doctor recommendation) ", in a journal "Journal of Data Acquisition and Processing ", (2023) 3524-3540 in Journal of Data Acquisition and Processing Journal.

<https://sjcjvcl.cn/article/view-2023/3541.php>



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GROUP OF INSTITUTIONS

FACULTY DEVELOPMENT PROGRAM

Congratulation to Mr. Ankush Gupta, Assistant Professor, Department of Computer Science & Engineering. He completed training program on Curriculum Design for Developing Job related Competencies conducted by NITTTTR from 09/01/23 - 13/01/23.



Congratulation to Mrs. Megha Sharma, Assistant Professor, Department of Computer Science & Engineering. She completed training program on Curriculum Design for Developing Job related Competencies conducted by NITTTTR from 09/01/23 - 13/01/23.



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FACULTY DEVELOPMENT PROGRAM

Congratulation to Ms. Priyanka, Assistant Professor, Department of Computer Science & Engineering. She completed training program on Curriculum Design for Developing Job related Competencies conducted by NITTTTR from 09/01/23 - 13/01/23.



Congratulation to Ms. Diksha Arya, Assistant Professor, Department of Computer Science & Engineering. She completed training program on Cloud Practitioner (AWS) conducted by ICT from 12/06/23 - 16/06/23.



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DEPARTMENT ACHIEVEMENTS



CERTIFICATE OF APPRECIATION

AWARDED TO

Adarsh Chaudhary

for successfully completing the course on
Artificial Intelligence Foundation
an industry recommended and validated course.

Prashant Nambiar
Vice President and Global Head
Talent Transformation, Wipro Limited



Kirti Seth
CEO - SSC nasscom
IT-ITeS Sector Skills Council

Gold Category: 70% and above score

31-Mar-2023

Congratulation to Mr. Adarsh Chaudhary Student, Department of Computer Science & Engineering. He got appreciation certificate for successfully completed the course on Artificial Intelligence Foundation on 31 March 2023



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DEPARTMENT ACHIEVEMENTS



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CEO - SSC nasscom
IT-ITeS Sector Skills Council

Gold Category: 70% and above score

31-Mar-2023

Congratulation to Ms. Prachi, Student, Department of Computer Science & Engineering. She got appreciation certificate for successfully completed the course on Artificial Intelligence Foundation on 31 March 2023



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DEPARTMENT ACHIEVEMENTS

CERTIFICATE OF EXCELLENCE .

THE CERTIFICATE IS PROUDLY PRESENTED TO

Ankush Kumar Kothiyal

for their outstanding performance and securing the spot of "Special Mention" in `</Code> with Maps` sponsored by *Google Maps Platform* and powered by *Hack2skill*.

SAMKIT SHARMA

Director, Hack2skill

Certificate ID: 2023H2S11CWM-SM0016



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Congratulation to Mr. Ankush Kumar Kothiyal Student, Department of Computer Science & Engineering. He got certificate of excellence for their outstanding performance and received the "Special Mention" award of \$100 in `</Code>` on 11 February 2023.



TOP 10 COMPETITIVE CODING WEBSITES

Competitive Coding Website

S. No.	Website	Links
1	HackerEarth	https://www.hackerearth.com/
2	HackerRank	https://www.hackerrank.com/
3	CodeWars	https://www.codewars.com/
4	CodeChef	https://www.codechef.com/
5	LeetCode	https://leetcode.com/
6	Project Euler	https://projecteuler.net/
7	Repl Challenges	https://challenges.repl.com/
8	KickStart — Google's Coding Competitions	https://codingcompetitions.withgoogle.com/kickstart
9	Kaggle Learn	https://www.kaggle.com/learn
10	TopCoder	https://www.topcoder.com/



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MR. ANKUSH GUPTA
ASSISTANT PROFESSOR



ANKUSH KUMAR KOTHIYAL
STUDENT (THIRD YEAR)