



**GOJAN SCHOOL OF
BUSINESS AND TECHNOLOGY**

AN AUTONOMOUS INSTITUTION
(Conferment of Autonomous Status by UGC)

APPROVED BY AICTE | AFFILIATED TO ANNA UNIVERSITY | ACCREDITED BY NAAC
80 FEET ROAD, EDAPALAYAM, ALAMATHI VIA, REDHILLS, CHENNAI - 600052



**NATIONAL CONFERENCE ON RECENT TRENDS IN
ENGINEERING AND TECHNOLOGY
(NCRTEET '25)**

**CONFERENCE
PROCEEDINGS**

ISBN: 978-93-49653-99-3

NCRTEET



2025

April 25th 2025

April 26th 2025

ASSOCIATE WITH



VIPS.Tech
Virtual Intelligence and Programming Services



REGARDS,

Dr. Natarajan G
CHAIRMAN

MESSAGE

I am pleased to share that all departments have come together to organize the “National Conference on Recent Trends in Engineering and Technology (NCRTEET'25)” and have successfully published its proceedings. This collaborative effort highlights the dedication, hard work, and enthusiasm of our faculty and students. Such initiatives not only foster academic excellence but also encourage innovation and research across disciplines. I extend my heartfelt gratitude to all Heads of Departments and staff members for their unwavering support. A special note of appreciation to the Editorial Board for their valuable contributions in making this conference a grand success. Congratulations to all!



REGARDS,

Mrs. Brindha Natarajan
CHAIRPERSON

MESSAGE

I am glad to have the opportunity to congratulate the faculty and students of all the departments who have shown remarkable interest and shared their valuable knowledge in creating the “**National Conference on Recent Trends in Engineering and Technology (NCRTEET'25)**”. Their enthusiasm, dedication, and boundless energy have played a vital role in the success of this conference. I am confident that their hard work, detailed planning, and sincere execution will yield immensely rewarding outcomes. My best wishes to all committee members and participants of **NCRTEET'25**. I deeply appreciate the committed efforts of our faculty and students who made this possible.



REGARDS,

**Mr. Viswanathan N
VICE-CHAIRMAN**

MESSAGE

It gives me immense pleasure to witness the successful organization of the “**National Conference on Recent Trends in Engineering and Technology (NCRTEET'25)**” by **Gojan School of Business and Technology**. Such events reflect our institution's strong commitment to fostering academic excellence and encouraging a research-driven mindset among both students and faculty. At Gojan, we believe true learning happens when knowledge meets application. Our college promotes innovation, practical exposure, and collaborative growth. This conference enables participants to explore emerging trends, share research, and engage with new technologies. I congratulate the organizing team and contributors for their dedication. Wishing you all success at **NCRTEET'25**.



REGARDS,

Dr. Selvakumar C
PRINCIPAL

MESSAGE

On behalf of **Gojan School of Business and Technology**, I warmly welcome all delegates, faculty members, research scholars, and student participants to the “**National Conference on Recent Trends in Engineering and Technology (NCR Tet'25)**”. At GSBT, we are committed to academic excellence and a vibrant learning environment that fosters exploration, innovation, and collaboration. This conference reflects our dedication to research and knowledge sharing. As technology rapidly evolves, our management takes proactive steps to align with emerging trends. **NCR Tet'25** is a platform for exchanging ideas and showcasing innovations. We thank our management, faculty, organizing team, and students for their unwavering efforts and support.



REGARDS,

Dr. Arunsankar G
VICE PRESIDENT
ACADEMIC AFFAIRS

MESSAGE

I take great pride in stating that our college is organizing the “**National Conference on Recent Trends in Engineering and Technology (NCRTEET'25)**”. The primary goal of this conference is to bring together students, researchers, and academicians to exchange innovative ideas, particularly those aligned with emerging trends and technological advancements. In today’s rapidly evolving world, where engineering and technology job opportunities are vast, platforms like NCRTEET’25 are crucial for enhancing skill sets. Participation in such events sharpens technical knowledge, critical thinking, and research capabilities essential traits for thriving in the modern engineering landscape. We believe **NCRTEET'25** will foster collaboration, learning, and professional growth.



REGARDS,

Mr. Ramadhurai R
VICE PRESIDENT
STUDENT AFFAIRS

MESSAGE

Our institution has always embraced a mission to achieve the impossible, and with the dynamic team at Gojan, failure is never an option. The central theme of **NCRTET'25** focuses on interdisciplinary challenges, requiring diverse academic perspectives and innovative solutions. I firmly believe this multidisciplinary conference will provide participants with a transformative experience, expanding their knowledge and broadening perspectives to tackle complex societal issues. This year, we are proud to have received a remarkable number of high-quality papers from reputed institutions, reflecting the growing interest in this conference. I sincerely thank our Management and Principal for their unwavering support. Let this platform inspire innovation and collaboration.



REGARDS,

Dr. Nafeez Ahmed L
CONFERENCE CHAIR
DIRECTOR - R&D

MESSAGE

Engineering technologies are crucial in driving modern innovations, accelerating progress in applied sciences and automation. Their continuous evolution is reshaping lifestyles, offering cutting-edge solutions across various sectors, and promoting a more efficient, sustainable global ecosystem. **NCRTET'25** has been meticulously designed as a platform for students, researchers, academicians, and industry professionals to exchange technical insights, research findings, and collaborative approaches across engineering disciplines. I sincerely thank our Honorable Chairman, Dr. G. Natarajan, and Respected Chairperson, Mrs. Brindha Natarajan, for their visionary leadership and guidance in realizing this conference. Thank you all for your engagement and contributions, making **NCRTET'25** a transformative academic milestone.

ASSOCIATE PARTNER



We are proud to be associated as an Associate Partner for the “**National Conference on Recent Trends in Engineering & Technology (NCRTE’25)**”, organized by **Gojan School of Business and Technology**. This collaboration highlights our shared vision to advance knowledge, foster research, and drive innovation across various disciplines.

As a technology-driven organization, we contribute our expertise in **AI & ML, Web and App Development, Business Application Development (ODOO), UI/UX Design, API & Cloud Technologies, and Research & Publication Support**. Our offerings include **hands-on workshops, bootcamps, real-world projects, and guidance in technical writing**, all tailored to bridge academic learning with industry needs.

Our involvement in **NCRTE’25** underscores our commitment to empowering future innovators and strengthening academia-industry ties.

This partnership is guided by our leadership:

Mr. Dev Anand. D – Chief Editorial Advisor

Mr. Lokesh. K – Executive Coordinator

Ms. Sneharshini. S – Senior Content Curator

Ms. Kaviya. M – Lead Tech Narrator

Detection of Drone Using Deep Learning Techniques

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Abstract

The detection of flying unmanned aerial vehicles (UAVs) or drones within a specific airspace. This technology has become increasingly important in recent years due to the growing popularity and safety use of drones for military purposes. In image processing, it is essential to detect and track air targets, especially UAVs. In the field of diagnosis and classification of objects, there are always many problems that prevent the development of rapid and significant progress in this area. The advanced classification methods such as convolutional neural networks and support vector machines have been developed. The drone was detected using three methods of classification of convolutional neural network (CNN), support vector machine (SVM), and nearest neighbor. The outcomes show that CNN, SVM, and nearest neighbor have total accuracy of 95%, 88%, and 80%, respectively. Compared with other classifiers with the same experimental conditions, the accuracy of the convolutional neural network classifier is satisfactory.



Fig: Final Result

References:

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