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Vidyavardhini's College Of Engineering & Technology, Vasai Road

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(Approved by AICTE, DTE Maharashtra and Affiliated to University of Mumbai)

NBA & NAAC Accredited

Artificial Intelligence and Data Science

Home»Artificial Intelligence and Data Science

Dr. Tatwadarshi NagarhalliAssociate Professor & Head Of DepartmentThe Department of Artificial Intelligence and Data Science was established in 2020 to provide quality education in the emerging fields of Artificial Intelligence and Data Science. Initially, the Department offered 30 seats in the first academic year for the Undergraduate Program (B.E.). However, in the following year (2021?22), the intake was doubled, and currently there are 60 seats.The department aims to create an environment for the development and fostering of proficient artificial intelligence and data science engineers who embody professionalism and civic responsibility. The department has young, dynamic, highly qualified, and experienced faculty members, is equipped with the most modern software, and has state-of-the-art facilities for facilitating a coherent teaching-learning process.The Department routinely organizes a variety of activities on new technological developments in collaboration with student chapters. The Department encourages students to participate in diverse IPR activities, including writing research papers, copyrighting, and patenting. The Department works to ensure that

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students are developed holistically by establishing outcome-based education methods and placing a regular emphasis on extracurricular and co-curricular activities like sports, cultural events, technical events, and student development programs in addition to the academic schedule.

Dr. Tatwadarshi Nagarhalli

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Vision To foster proficient artificial intelligence and data science professionals, making remarkable contributions to industry and society. Mission To encourage innovation and creativity with rational thinking for solving the challenges in emerging areas. To inculcate standard industrial practices and security norms while dealing with Data To develop sustainable Artificial Intelligence systems for the benefit of various sectors.

Vision

Mission

Departmental Advisory Board (DAB) Following are the members of the committee starting from 2022-23.

SR.NO.	NAME OF THE MEMBER	DESIGNATION	ORGANIZATION	ROLE IN DAB
1	Dr. Harish			

Vankudre	Principal	VCET, Vasai	Chairman	2	Dr. Vikas Gupta	Dean Academics	VCET, Vasai	Dean	3	Dr. Tattwadarshi P. N.	HOD, AI-DS	VCET Vasai	HOD	4	Mrs. Sejal D?mello	Deputy HOD	VCET, Vasai	Secretary	5	Mrs. Sneha Yadav	Assistant Professor	VCET, Vasai	Faculty Representative	6	Ms. Neha Raut	Assistant Professor	VCET, Vasai	Faculty Representative	7	Ms. Vibhavari Nagarhalli	Director & Head Sales for insurance in India	Geography	TCS	Industry Representative	8	Mr. Roshan Shetty	CEO	Citius Cloud Services LLP	Industry Representative	9	Ms. Payal Doshi	Director	Prime Softech Solutions Pvt. Ltd	Industry Representative	10	Mr. Akshay Bharambe	CEO, Founder	Parking Pal	Industry Representative	11	Mr. Narendra Shekolkar	Professor, HOD, IOT & Cyber Security Department	Dwarkadas J. Sangavi College of Engineering	Academic
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Representative12Mrs. Alka AroraParentVCET, VasaiParent

Representative

Departmental Advisory Board (DAB)

Program Outcomes (POs):

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 contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
7. Environment and sustainability: Understand the impact of 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 engineering practice.
9. Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in

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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.

Program Educational Objectives (PEOs):Program Specific Outcomes (PSOs):Graduates will be able to,

1. Analyze the current trends in the field of Artificial Intelligence & Data Science and contribute to the technological advancements by presenting / publishing at national / international forums.
2. Design and develop Artificial Intelligence & Data Science applications and solutions in various domains to cater to the needs of industry and society.

Program Outcomes (POs):

Program Educational Objectives (PEOs):

Program Specific Outcomes (PSOs):

Dr.	Tatwadarshi	Nagarhalli	Associate	Professor	&	Head	Of
Department	method_aids@vcet.edu.in	tatwadarshi.nagarhalli@vcet.edu.in	Ms.	Sejal	D?	mello	Deputy
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Prof.sneha.yadav@vcet.edu.in	Ms.	Neha	Raut	Asst.	Prof.neha.raut@vcet.edu.in	Ms.	Bhavika

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Student Achievements

SETE1. Dnyanesh panchal ? 10 SGPI1. JHA DEVHARSH JAGDANAND- 9.64 SGPI2. Priyanka bhandari -9.87 SGPI2. MAURYA HEMANI RAMAKANT- 9.45 SGPI2. SINGH NEHA VINOD- 9.45 SGPI3. Mohammed Ali Jaffari -9.3 SGPI3. SHETTY AMULYA CHANDAYYA-9.36SGPI

SYLLABUS

Revised 2019-20 :SESYLLABUS

Revised 2019-20 :TESYLLABUS

Revised 2019-20 :BEHonors & Minor Degree Program:TEPO PSO COR19

SYLLABUS

Revised 2019-20 :

SYLLABUS

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Revised 2019-20 :

SYLLABUS

Revised 2019-20 :

Honors & Minor Degree Program:

PO PSO CO

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Innovation in Teaching Learning :Year 2023-24 (Odd)Year 2022-23 (Odd)Year 2022-23 (Even)

Innovation in Teaching Learning :

MoU :MoU List

MoU :

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