



JERUSALEM COLLEGE OF ENGINEERING
(An Autonomous Institution)
NBA & NAAC Accredited Institution, Approved by AICTE & Affiliated to Anna University
Velachery Main Road, Pallikaranai, Chennai-600100

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

ACADEMIC YEAR: 2025 - 26

ODD SEMESTER

ACADEMIC CALENDAR

B.E. II & III YEAR

July-25				August-25				September-25				October-25			
CWD	DATE	DAY	Academic Events	CWD	DATE	DAY	Academic Events	CWD	DATE	DAY	Academic Events	CWD	DATE	DAY	Academic Events
	1-Jul-25	Tues		18	1-Aug-25	Fri	Industrial Visit - III Year	39	1-Sep-25	Mon	AT - 1		1-Oct-25	Wed	Ayutha Pooja
	2-Jul-25	wed		19	2-Aug-25	Sat	Wednesday Day Order	40	2-Sep-25	Tues	AT - 1		2-Oct-25	Thu	Vijaya dasami/Gandhi Jayanthi
	3-Jul-25	Thurs			3-Aug-25	Sun		41	3-Sep-25	Wed	AT - 1	60	3-Oct-25	Fri	
	4-Jul-25	Fri		20	4-Aug-25	Mon		42	4-Sep-25	Thurs	AT - 1	61	4-Oct-25	Sat	Wednesday Day Order
	5-Jul-25	Sat		21	5-Aug-25	Tues			5-Sep-25	Fri	Milad - un-Nabi		5-Oct-25	Sun	
	6-Jul-25	Sun	Muharram	22	6-Aug-25	Wed		43	6-Sep-25	Sat	Freshers' Day	62	6-Oct-25	Mon	Value Added Course - II Year
	7-Jul-25	Mon		23	7-Aug-25	Thurs	Seminar - III Year		7-Sep-25	Sun		63	7-Oct-25	Tue	Value Added Course - II Year
	8-Jul-25	Tues		24	8-Aug-25	Fri		44	8-Sep-25	Mon	CCM - II Year	64	8-Oct-25	Wed	Value Added Course - II Year
	9-Jul-25	wed			9-Aug-25	Sat		45	9-Sep-25	Tues	CCM - III Year	65	9-Oct-25	Thu	
1	10-Jul-25	Thurs	Reopening Day		10-Aug-25	Sun		46	10-Sep-25	Wed		66	10-Oct-25	Fri	SYMPOSIUM
2	11-Jul-25	Fri		25	11-Aug-25	Mon		47	11-Sep-25	Thurs			11-Oct-25	Sat	
	12-Jul-25	Sat		26	12-Aug-25	Tues		48	12-Sep-25	Fri			12-Oct-25	Sun	
	13-Jul-25	Sun		27	13-Aug-25	Wed	Workshop - III Year		13-Sep-25	Sat		67	13-Oct-25	Mon	AT - 2
3	14-Jul-25	Mon		28	14-Aug-25	Thurs	Workshop - III Year		14-Sep-25	Sun		68	14-Oct-25	Tue	AT - 2
4	15-Jul-25	Tues			15-Aug-25	Fri	Independence Day	49	15-Sep-25	Mon		69	15-Oct-25	Wed	AT - 2
5	16-Jul-25	wed			16-Aug-25	Sat	Krishna Jayanthi	50	16-Sep-25	Tues		70	16-Oct-25	Thu	AT - 2
6	17-Jul-25	Thurs			17-Aug-25	Sun		51	17-Sep-25	Wed		71	17-Oct-25	Fri	AT - 2
7	18-Jul-25	Fri		29	18-Aug-25	Mon		52	18-Sep-25	Thurs			18-Oct-25	Sat	
8	19-Jul-25	Sat	Friday Day Order	30	19-Aug-25	Tues		53	19-Sep-25	Fri			19-Oct-25	Sun	
	20-Jul-25	Sun		31	20-Aug-25	Wed	Industrial Visit - II Year	54	20-Sep-25	Sat	PTM		20-Oct-25	Mon	Deepavali
9	21-Jul-25	Mon	CCM - II Year	32	21-Aug-25	Thurs			21-Sep-25	Sun			21-Oct-25	Tue	
10	22-Jul-25	Tues	CCM - III Year	33	22-Aug-25	Fri	Industrial Visit - III Year	55	22-Sep-25	Mon		72	22-Oct-25	Wed	AT - 2
11	23-Jul-25	wed			23-Aug-25	Sat		56	23-Sep-25	Tues		73	23-Oct-25	Thu	AT - 2
12	24-Jul-25	Thurs	Industrial Visit - II Year		24-Aug-25	Sun		57	24-Sep-25	Wed	Guest Lecture - II & III Years	74	24-Oct-25	Fri	AT - 2
13	25-Jul-25	Fri		34	25-Aug-25	Mon	AT - 1	58	25-Sep-25	Thurs		75	25-Oct-25	Sat	AT - 2 Thursday Day Order
	26-Jul-25	Sat		35	26-Aug-25	Tues	AT - 1	59	26-Sep-25	Fri			26-Oct-25	Sun	
	27-Jul-25	Sun			27-Aug-25	Wed	Vinayakar Chathurthi		27-Sep-25	Sat		76	27-Oct-25	Mon	
14	28-Jul-25	Mon		36	28-Aug-25	Thurs	AT - 1		28-Sep-25	Sun		77	28-Oct-25	Tues	
15	29-Jul-25	Tues	Seminar - II Year	37	29-Aug-25	Fri	AT - 1		29-Sep-25	Mon		78	29-Oct-25	Wed	
16	30-Jul-25	wed		38	30-Aug-25	Sat	Friday Day Order AT - 1		30-Sep-25	Tues	POOJA HOLIDAYS	79	30-Oct-25	Thurs	
17	31-Jul-25	Thurs	Association Inauguration		31-Aug-25	Sun						80	31-Oct-25	Fri	Last Working Day

JULY: 19.07.25 - Saturday **AUGUST:** 02.08.25 & 30.08.25 - Saturday **SEPTEMBER:** 06.09.25 & 20.09.25 - Saturday
OCTOBER: 04.10.25 & 25.10.25 - Saturday

S.V. V.
DEPT. ACADEMIC COORDINATOR

HOB-AI&ML

DEAN - ACADEMICS

PRINCIPAL

I. VISION OF THE DEPARTMENT

To impart high quality knowledge in cutting edge contemporary Artificial Intelligence technologies in par with industrial standards and to produce highly competent graduates, researchers, entrepreneurs, innovative professionals and ethical engineers with the problem solving and leadership abilities of current and emerging technologies to meet the demands of society and global economy.

II. MISSION OF THE DEPARTMENT

- To provide students a problem-solving and analytical education that emphasises skills and values in order to improve their roles in expertise domains.
- To transform students into technically competent graduates through research based Artificial Intelligence and Machine Learning projects and activities in the emerging areas.
- To educate the students to be successful entrepreneurs by providing quality education and enhancing skills of the students.
- To inculcate the values of professional ethics, social concerns, environment protection and life-long learning.

III. PROGRAM OUTCOMES (POs)

- PO 1:** Engineering Knowledge : Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.
- PO 2:** Problem Analysis : Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development.
- PO 3:** Design / Development of Solutions : Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required.
- PO 4:** Conduct Investigations of Complex Problems : Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions.
- PO 5:** Engineering Tool Usage : Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems.
- PO 6:** The Engineer and The World : Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment.
- PO 7:** Ethics : Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws.
- PO 8:** Individual and Collaborative Teamwork : Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.
- PO 9:** Communication : Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences.
- PO 10:** Project Management and Finance : Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.
- PO 11:** Life-long learning : Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change.

IV. PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PEO 1:** Graduates with ability to employ Artificial Intelligence and Machine Learning principles and techniques to analyze requirements, realize technical specifications and create engineering solutions.
- PEO 2:** Graduates with collaborative learning and team-work spirit through multi-disciplinary projects and diverse professional activities.
- PEO 3:** Graduates with strong knowledge, competence, entrepreneurial ability and soft skills that allow them to contribute ethically to the needs of society and accomplish sustainable progress in the emerging computing technologies through life-long learning.

V. PROGRAM SPECIFIC OUTCOMES (PSOs)

The graduates will be able to

- PSO 1:** Apply the acquired knowledge to identify real-world research problems, using latest hardware and software tools, along with analytical skills to arrive at cost effective and appropriate solutions.
- PSO 2:** Expose design and programming skills to develop intelligent systems for solving problems from inter-disciplinary domains.
- PSO 3:** Develop themselves into professionals who are ready to serve the industry as well as society and to lead a product development company/team.



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- PO 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.
- PO 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.
- PO 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.
- PO 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.

- PO 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.
- PO 8:** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO 9:** Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO 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.
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