



LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

UGC Autonomous

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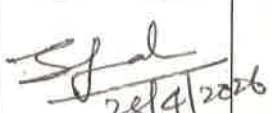
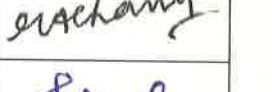
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Date: 28-04-2026

Minutes of the meeting of the Sixth Board of Studies.

The 6th Board of Studies Meeting of the Department of AIML was held on 28-04-2026 at 11:30 AM in Conference Hall, Lords Institute of Engineering and Technology, Hyderabad.

Members:

S. No	Name	Category	Signature
1.	Dr. Khaja Mizbahuddin Quadry Associate Professor & HOD, AIML Dept, LIET	Chairperson, BoS	
2.	Prof. K Shyamala Department of Computer Science & Engineering University College of Engineering, Osmania University, Hyderabad.	Member- University Nominee	
3.	Dr. Salman Abdul Moiz Professor, School of Computer and Information Sciences University of Hyderabad	Member – Academician	
4.	Dr Mohammed Khaja Nizamuddin Associate Professor CSE Dept, GITAM Deemed to be University	Member – Academician	
5.	Mr. Mujeeb Ahmed Khan Delivery Manager, Tata Consultancy Services, Hyd.	Member- Industry	
6.	Mr. Shanmugam Ganesh Junior Auditor, Income Tax Department, Hyderabad	Member- Alumni	
7.	Dr. J. Sasi Kiran, Professor, CSE Dept., LIET	Member	
8.	Dr. Abdul Rasool MD Associate Professor & HOD, CSE-AIML, LIET.	Member	
9.	Dr. Kamel AliKhan Siddiqui Associate Professor, CSE-AIML Dept., LIET	Member	
10.	Mr. Sayed Mujahed Husen Assistant Professor, AIML Dept, LIET	Member	
11.	Ms. Sadia Kausar Assistant Professor, CSE-AIML Dept, LIET	Member	
12.	Dr. Ravi Kishore Singh Principal, LIET	Special Invitee	

Sixth Board of Studies (BOS) Meeting – Agenda

I. Opening

1. Introduction and formal welcome of BOS members and invited experts
2. Confirmation of the minutes of the previous meeting held on 20-06-2025
3. Brief overview of the meeting objectives and expected outcomes

II. Academic Programs – Undergraduate (U.G.)

4. Discussion and approval of **LR-26 – U.G. Program**
 - I–VII Semester Course Structure
 - I & II Semester Syllabi
5. Discussion and approval of **LR-24 – U.G. Program**
 - V & VI Semester Syllabi
 - Review of Course Structure
6. Discussion and approval of **LR-23 – U.G. Program**
 - VII & VIII Semester Syllabi
 - Electives, Internships and Project Components

III. Service & Postgraduate Programs

7. Discussion and approval of **Service Courses (LR-26)** (if any)
 - Interdisciplinary Service Courses
 - Open Elective Courses
8. Discussion and approval of **P.G. Programs (LR-26)** (if any)
 - 4-Semester Course Structure
 - I & II Semester Syllabi for M.E./M.Tech/MBA

IV. Academic Regulations & Special Programs

9. Discussion and approval of **Regulation Transition**
 - Re-admission rules
 - Substitute Subjects
 - Equivalence Mapping
10. Discussion and Approval of **Honors & Minor Degree (LR-24)**
 - Structure and syllabi
 - Implementation guidelines

V. Curriculum & Evaluation

11. Discussion and approval of **NPTEL course titles** equivalent to Professional Electives
 - Structure, syllabi, and implementation guidelines
12. Ratification and approval of **Panel of Paper Setters**
13. Ratification and approval of **Panel of External Examiners (Labs & Projects)**

VI. Strategic & Development Discussions

14. Discussion on: *“Course alignment with NEP-2020, OBE, and industry needs for LR-26”*
15. Suggestions on **Innovative Teaching Methodologies**
16. Suggestions on **Research, Extension, and other Academic Activities**

VII. Closing

17. Any other item with the permission of the Chair

The following deliberations were made as per the agenda and resolutions were listed below:

Item No.1: Confirmation of minutes of 5th BoS held on 20-06-2025.

Deliberation:

The Chairperson presented the minutes of the 5th BoS meeting to the committee.

Resolution:

The committee approved the minutes.

Item No.2: Action Taken Report on 5th BoS minutes.

Deliberation:

The Chairperson presented the Action Taken Report on the 5th BoS minutes held on 20-06-2025.

Resolution:

After discussion, the action taken report on the 5th BoS minutes is approved and attached as an Annexure I.

Item No.3: Finalization of B.E. LR-26 – U.G. Program course syllabi including open electives

Deliberation:

The Chairperson presented the B.E. LR-26 – U.G. Program Course Syllabi and the members approved the syllabi

Resolution:

The Committee approved the B.E. LR-26 – U.G. Program course syllabi and advised to

- Add collaboration tool in AI 1st year syllabus

Item No.4: Discussion and Approval of LR-24 V & VI Semesters Course Structure & Syllabus [Revised].

Deliberation:

The Chairperson presented the course syllabi of B.E. LR-24 V & VI semesters.

Resolution:

The Chairperson noted the suggestions given by members as follows.

- **Internship:** MOOCs courses can be allotted for the students who didn't complete the internship.
- **Professional elective:** To Swap PE-3 (Generative AI) with PE-4 (Computer Vision)

Item No.5: Discussion and Approval of LR-23 VII & VIII Semesters Course Structure & Syllabus.

Deliberation:

The BoS Chairperson presented Course Structure & Syllabus.

Members suggested to change the title of PE -3 and PE-5

Resolution:

The Chairperson noted the suggestions given by members as follows.

- **Professional elective -3:** Changed from **Ethical hacking** to **Distributed Computing**.
- **Professional elective -5:** Changed Title **Modern software delivery with DevOps** to **Application Development using DevOps**

Item No.6: Discussion and Approval of Honors & Minor Degree (LR-24)

Deliberation:

The BoS Chairperson presented Course Structure & Syllabus

Resolution:

- Replace LLM with Advanced OS or Distributed Systems
- Generative AI can be taught in VII Sem

Item No.7: Discussion and Approval of NPTEL Courses Titles equivalent to Professional Electives.

Deliberation:

BoS Chairperson presented the list of NPTEL Courses Titles equivalent to Professional Electives. Members suggested to select those courses in NPTEL which are of 3 credits and 12 weeks duration. And such courses offered by a higher NAAC grade college/university/institution compared to us.

Resolution:

The Chairperson noted the suggestions given by members, the NPTEL institute policies need to be updated while choosing the professional electives and the credit should match the equivalent duration of the NPTEL course.

Item No.8: Discussion and Approval of Courses for Re-Admissions of LR-23 to LR-24 & LR-23 to LR-24.

Deliberation:

BoS Chairperson presented the list of courses for approval under readmissions of LR-21 to LR-23 & LR-21 to LR-24.

Resolution:

The Chairperson noted the suggestions given by members, the courses were approved.

Item No.9: Item No. 8: Ratification and Approval of Panel of Paper Setters.

Deliberations:

BoS Chairperson presented the list of ratification and approval of panel of paper setters.

Resolutions:

The Chairperson noted the suggestions given by members, and approved the list.

Item No.10: Ratification and Approval of Panel of External Examiners of Labs and Projects.

Deliberation:

BoS Chairperson presented the list of ratification and approval of panel of external examiners of labs and projects.

Resolutions:

The Chairperson noted the suggestions given by members, and approved the list.

Item No.11: Discussion on “Course alignment with NCrf-2020 NBA Tier- I”*.

Deliberation:

BoS Chairperson presented the list of course alignment with NCrf-2020 NBA Tier-I.

Resolutions:

The Chairperson noted the suggestions given by members, and approved the list.

Item No.12: Suggestions on Innovative Teaching Methodologies.

Deliberation:

The BoS Chairperson sought suggestions on Innovative Teaching Methodologies.

Resolutions:

The Chairperson noted the suggestions given by members, and approved the list.

Item No.13: Suggestions on Research, Extension and other Academic Activities.

Deliberation:

BoS Chairperson asked for recommendations regarding Research, Extension and other Academic Activities.

Resolutions:

The Chairperson noted the suggestions given by members, and approved the list.

Item No.14: Any Other Item with the Permission of the Chair.

Deliberation:

The BoS Chairperson asked for suggestions on any other matters, subject to the chair's approval.

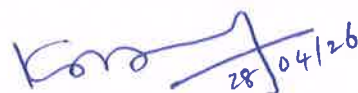
Resolutions:

The Chairperson acknowledged the suggestions and gave approval to the list.

The Board of Studies members have approved the LR-23 VII & VIII Semesters Course Structure & Syllabus [Revised], LR-24 V & VI Semesters Course Structure & Syllabus [Revised], Open Electives Syllabus offered to other departments LR-23 & LR-24, NPTEL Courses Titles equivalent to Professional Electives, Courses for Re-Admissions of LR-23 to LR-24 & LR-21 to LR-24, Panel of Paper Setters, Panel of External Examiners of Labs and Projects. It is further resolved that the course structure and syllabi may be modified in subsequent Board of Studies Meetings if required.

Chairperson, Board of Studies is authorized to present the approved course structure and syllabi to the Academic Council for further suggestions and approval.

Chairperson, Board of Studies thanked all the Board of Studies members for spending their precious time in reviewing the Course Structure and Syllabi and for providing valuable inputs in designing the syllabus.

 28/04/26

Dr. Khaja Mizbahuddin Quadry
BoS Chairperson & Head

Department of Artificial Intelligence and Machine Learning
Lords Institute of Engineering and Technology (Autonomous)
Hyderabad.

Head of the Department
Artificial Intelligence And Machine Learning
Lords Institute of Engg. & Tech.
Himayatsagar, Hyd-500091-T.S.

Enclosures:

1. Action taken report on 3rd BoS minutes. – Annexure I
2. Finalization of B.E. LR-23 VII and VIII Semesters course structure and syllabi. – Annexure II
3. Approval of B.E Open Electives course syllabi. – Annexure III
4. Finalization of B.E. LR-24 III and IV Semesters course structure and syllabi. – Annexure II
3. Approval of B.E Open Electives course syllabi. – Annexure III
5. Approval of LR-26 Foundation of Artificial Intelligence Course Theory. – Annexure VI

LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

SCHEME OF INSTRUCTION & EXAMINATION [LR-23]

(W.e.f Academic Year 2026-27)

B.E. VII-Semester

S.No.	Course Code	Category	Course Title	Scheme of Instructions				Scheme of Examination			CREDITS
				L	T	P/D	Contact Hours / Week	CIE	SEE	Duration in Hours	
Theory Course											
1	U23CM701	PCC	Information Security	3	0	0	3	40	60	3	3
2	U23CM702	PCC	Deep Learning	3	0	0	3	40	60	3	3
3	-	PEC	Professional Elective – III	3	0	0	3	40	60	3	3
4	-	PEC	Professional Elective – IV	3	0	0	3	40	60	3	3
5	-	OEC	Open Elective – III	3	0	0	3	40	60	3	3
Practical/Laboratory Course											
6	U23CM7L1	PCC	Information Security Lab	-	0	3	3	25	50	3	1.5
7	U23CM7L2	PCC	Deep learning Lab	-	0	3	3	25	50	3	1.5
8	U23AM7P1	PCC	Major Project Phase – I	-	0	4	4	25	50	3	2
9	U23AM7P2	PCC	Technical Seminar	-	0	4	4	100	-	-	2
Total				15	0	14	29	375	450	24	22

L: Lecture(Hrs/Wk/Sem)

T:Tutorial(Hrs/Wk/Sem)

P:Practical

D:Drawing(Hrs/Wk/Sem)

CIE: Continuous Internal Evaluation

SEE: Semester End Examination

CM: CSE-AIML

OEC: Open Elective Course

PEC: Professional Elective Course

PROJ: Project

AM: AI&ML

Note:

- Each contact hour is a Clock Hour.
- The duration of the practical class is three hours, however it can be extended wherever necessary, to enable the student to complete the experiment.

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
SCHEME OF INSTRUCTION & EXAMINATION [LR-23]
(W.e.f Academic Year 2026-27)

B.E. VIII-Semester

S.No.	Course Code	Category	Course Title	Scheme of Instructions				Scheme of Examination			CREDITS
				L	T	P/D	Contact Hours/Week	CIE	SEE	Duration in Hours	
Theory Course											
1	U23CM801	PCC	Natural Language Processing	3	1	0	4	40	60	3	4
2	-	PCC	Professional Elective – V	3	0	0	3	40	60	3	3
3	-	OEC	Open Elective – IV	3	0	0	3	40	60	3	3
Practical/Laboratory Course											
4	U23AM8P1	PROJ	Major Project Phase – II	0	0	16	16	50	150	-	8
Total				9	1	16	26	170	330	9	18

L: Lecture(Hrs/Wk/Sem)

T: Tutorial(Hrs/Wk/Sem)

P: Practical

D: Drawing(Hrs/Wk/Sem)

CIE: Continuous Internal Evaluation

SEE: Semester End Examination

CM: CSE-AIML

OEC: Open Elective Course

PEC: Professional Elective Course

PROJ: Project

AM: AI&ML

Note:

- Each contact hour is a Clock Hour.
- The duration of the practical class is three hours, however it can be extended wherever necessary, to enable the student to complete the experiment.

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
SCHEME OF INSTRUCTION & EXAMINATION [LR-23]
(W.e.f Academic Year 2026-27)

PROFESSIONAL ELECTIVE COURSES

PE1	PE2	PE3	PE4	PE5
Responsible and Safe AI Systems	Artificial Neural Networks	Fuzzy Logic	Optimization Techniques	Computer Vision
Cloud Computing	Introduction to Internet of Things	Ethical Hacking	Cognitive Computing	Modern Software Delivery with DevOps
Foundation Of Data Science	R- For Data Science	Mobile Computing	Privacy and Security in Online Social Media	Big Data Analytics
Software Engineering	Compiler Design	Computer Graphics and 3D Design and Printing	Multimedia and Animation	Virtual, Augmented and Mixed Reality

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
SCHEME OF INSTRUCTION & EXAMINATION [LR-23]
(W.e.f Academic Year 2026-27)

PROFESSIONAL ELECTIVE COURSES (Tentative)

S. No.	Course Code	Category	Course Title	Scheme of Instructions				Scheme of Examination			CREDITS
				L	T	P/D	Contact Hours/Week	Maximum Marks		Duration in Hours	
								CIE	SEE		
Theory Course											
1	U23CM503	PEC 1	Responsible and Safe AI Systems	3	0	0	3	40	60	3	3
	U23CM504		Cloud Computing	3	0	0	3	40	60	3	3
	U23CM505		Foundation Of Data Science	3	0	0	3	40	60	3	3
	U23CM506		Software Engineering	3	0	0	3	40	60	3	3
2	U23CM603	PEC 2	Artificial Neural Networks	3	0	0	3	40	60	3	3
	U23CM604		Introduction to Internet of Things	3	0	0	3	40	60	3	3
	U23CM605		R- For Data Science	3	0	0	3	40	60	3	3
	U23CM606		Compiler Design	3	0	0	3	40	60	3	3
3	U23CM703	PEC 3	Fuzzy Logic	3	0	0	3	40	60	3	3
	U23CM704		Ethical Hacking	3	0	0	3	40	60	3	3
	U23CM705		Mobile Computing	3	0	0	3	40	60	3	3
	U23CM706		Computer Graphics and 3D Design & Printing	3	0	0	3	40	60	3	3
4	U23CM707	PEC 4	Optimization Techniques	3	0	0	3	40	60	3	3
	U23CM708		Cognitive Computing	3	0	0	3	40	60	3	3
	U23CM709		Privacy and Security in Online Social Media	3	0	0	3	40	60	3	3
	U23CM710		Multimedia & Animation	3	0	0	3	40	60	3	3
5	U23CM802	PEC 5	Computer Vision	3	0	0	3	40	60	3	3
	U23CM803		Modern Software Delivery with DevOps	3	0	0	3	40	60	3	3
	U23CM804		Big Data Analytics	3	0	0	3	40	60	3	3
	U23CM805		Virtual, Augmented and Mixed Reality	3	0	0	3	40	60	3	3

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SCHEME OF INSTRUCTION & EXAMINATION [LR-23]
(W.e.f Academic Year 2026-27)

OPEN ELECTIVE - III

S. No.	Course Code	Category	Course Title
3	U23EE711	OEC 3	Introduction to Electrical Vehicles
	U23EE712		Design estimation and Costing of Electrical Systems
	U23CS711		Data Sciences
	U23IT705		Basics of Artificial Intelligence
	U23ME711		Renewable Energy Resources
	U23ME712		Cooling of Electronic Components
	U23CE711		Environmental Systems
	U23CE712		Urban Transportation System
	U23EC703		IOT and its protocols
	U23EC704		Television and Video Engineering
	U23MB702		Logistics Management
	U23MB703		Management of Start Up's
	U23SH701		Display Devices
	U23SH702		Comparative Study of Literature
	U23CM711		Basics of Cyber Security

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SCHEME OF INSTRUCTION & EXAMINATION [LR-23]
(W.e.f Academic Year 2026-27)

OPEN ELECTIVE - IV

S. No.	Course Code	Category	Course Title
4	U23EE804	OEC 4	Smart Building Systems
	U23EE805		Industrial Automation
	U23CS806		Basics of Machine Learning
	U23IT802		Cloud computing
	U23ME806		Hybrid Vehicle Technology
	U23ME807		Power Plant Engineering
	U23CE806		Green Building Technology
	U23CE807		Environmental Impact Assessment
	U23EC805		Fundamentals of Wireless Communication
	U23EC806		Fundamental Digital Design using Verilog HDL
	U23MB802		Entrepreneurship
	U23MB803		E – Marketing
	U23SH801		Corrosion Science and Technology
	U23SH802		Introduction to Philosophical Thoughts
	U23CM809		Fundamentals of Computer Vision

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LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**SCHEME OF INSTRUCTIONS & EXAMINATIONS [LR-24]****(W.e.f. Academic Year 2026-27)****B.E.V-Semester**

S.No.	Course Code	Category	Course Title	Scheme of Instructions				Scheme of Examination			CREDITS
				L	T	P/D	Contact Hours/Week	Maximum Marks		Duration in Hours	
								CIE	SEE		
Theory Course											
1	U24MB501	HSMC	Business Economics and Financial Analysis	3	0	0	3	40	60	3	3
2	U24CM501	PCC	Design and Analysis of Algorithms	3	0	0	3	40	60	3	3
3	U24CM502	PCC	Machine Learning	3	0	0	3	40	60	3	3
4	U24CM503	PCC	Software Engineering	3	0	0	3	40	60	3	3
5	-	PEC	Professional Elective - I	3	0	0	3	40	60	3	3
Practical/Laboratory Course											
6	U24CM5L1	PCC	Design and Analysis of Algorithms Lab	0	0	3	3	25	50	3	1.5
7	U24CM5L2	PCC	Machine Learning Lab	0	0	3	3	25	50	3	1.5
Internship											
8	U24CM5P1	PROJ	Internship /MOOCs	-	-	2	2	50	-	-	1
Skill Development Course											
9	U24MA5L1	BSC	Aptitude and Reasoning	-	-	2	2	25	50	3	1
Total				15	0	10	25	325	450	24	20

L: Lecture (Hrs/Wk/Sem)

T:Tutorial(Hrs/Wk/Sem)

P:Practical

D:Drawing(Hrs/Wk/Sem)

CIE: Continuous Internal Evaluation

SEE: Semester End Examination

CM: COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

PCC: Program core course

PEC: Professional Elective Course

PROJ: Project

MB: Master of Business Administration

BSC: Basic Science Courses

AM:AI&ML

HSMC: Humanities & Social Sciences including Management Course

Note:

1. Each contact hour is a Clock Hour.

2. The duration of the practical class is three hours, however it can be extended wherever necessary, to enable the student to complete the experiment

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LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**SCHEME OF INSTRUCTIONS & EXAMINATIONS [LR-24]****(W.e.f. Academic Year 2026-27)****B.E.VI-Semester**

S.No.	Course Code	Category	Course Title	Scheme of Instructions				Scheme of Examination			CREDITS
				L	T	P/ D	Contact Hours/Week	Maximum Marks		Duration in Hours	
								CIE	SEE		
Theory Course											
1	U24CM601	PCC	Web Design and Development	2	1	0	3	40	60	3	3
2	U24CM602	PCC	Advanced Machine Learning	3	0	0	3	40	60	3	3
3	U24CD601	PCC	Computer Networks	3	0	0	3	40	60	3	3
4	-	PEC	Professional Elective–II	3	0	0	3	40	60	3	3
5	-	OEC	Open Elective-I	3	-	-	3	40	60	3	3
Practical/Laboratory Course											
6	U24CM6L1	PCC	Advanced Machine Learning Lab	-	-	3	3	25	50	3	1.5
7	U24CD6L1	PCC	Computer Networks Lab	-	-	3	3	25	50	3	1.5
8	U24CM6L2	PCC	Web Design and Development Lab	-	-	2	2	25	50	-	1
Project											
9	U24CM6P1	PROJ	Mini Project	-	-	6	6	50	50	3	2
Total				14	1	14	29	325	500	24	21

L: Lecture(Hrs/Wk/Sem)**CIE:** Continuous Internal Evaluation**PCC:** Program core course**SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)****OEC:** Open Elective Course**T:** Tutorial(Hrs/Wk/Sem)**AM:** AI&ML**PEC:** Professional Elective Course**PROJ:** Project**P:** Practical **D:** Drawing(Hrs/Wk/Sem)**SEE:** Semester End Examination**CM:** COMPUTER**IT:** Information Technology**Note:**

- Each contact hour is a Clock Hour.
- The duration of the practical class is three hours, however it can be extended wherever necessary, to enable the student to complete the experiment

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LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
SCHEME OF INSTRUCTIONS & EXAMINATIONS [LR-24]
PROFESSIONAL ELECTIVE WITH 4 THREADS

S No.	PE1	PE2	PE3	PE4	PE5
1	Data Visualization	Artificial Neural Networks	Computer Vision	Generative AI	Cognitive Computing
2	Object Oriented Analysis and Design	Software Testing Methodologies	Software Project Management	Software quality Assurance	Agile Methodologies
3	Compiler Design	Cloud Computing	Block chain Technology	Information Retrieval Systems	Digital Forensic
4	Computer Graphics	Human Computer Interactions	Multimedia Systems	Virtual Reality	Augmented Reality

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LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
SCHEME OF INSTRUCTIONS & EXAMINATIONS [LR-24]

PROFESSIONAL ELECTIVE COURSES

S.No.	Course Code	Category	Course Title	Scheme of Instructions				Scheme of Examination			CREDITS
				L	T	P/D	Contact Hours/Week	Maximum Marks		Duration in Hours	
								CIE	SEE		
Theory Course											
1	U24CM504	PEC1	Data Visualization	3	0	0	3	40	60	3	3
	U24CM505		Object Oriented Analysis and Design	3	0	0	3	40	60	3	3
	U24CM506		Compiler Design	3	0	0	3	40	60	3	3
	U24CM507		Computer Graphics	3	0	0	3	40	60	3	3
2	U24CM603	PEC2	Artificial Neural Networks	3	0	0	3	40	60	3	3
	U24CM604		Software Testing Methodologies	3	0	0	3	40	60	3	3
	U24CM605		Cloud Computing	3	0	0	3	40	60	3	3
	U24CM606		Human Computer Interactions	3	0	0	3	40	60	3	3
3	U24CM703	PEC3	Computer Vision	3	0	0	3	40	60	3	3
	U24CM704		Software Project Management	3	0	0	3	40	60	3	3
	U24CM705		Block chain Technology	3	0	0	3	40	60	3	3
	U24CM706		Multimedia Systems	3	0	0	3	40	60	3	3
4	U24CM801	PEC4	Generative AI	3	0	0	3	40	60	3	3
	U24CM802		Software quality Assurance	3	0	0	3	40	60	3	3
	U24CM803		Information Retrieval Systems	3	0	0	3	40	60	3	3
	U24CM804		Virtual Reality	3	0	0	3	40	60	3	3
5	U24CM805	PEC5	Cognitive Computing	3	0	0	3	40	60	3	3
	U24CM806		Agile Methodologies	3	0	0	3	40	60	3	3
	U24CM807		Digital Forensic	3	0	0	3	40	60	3	3
	U24CM808		Augmented Reality	3	0	0	3	40	60	3	3

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LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution)
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
SCHEME OF INSTRUCTIONS & EXAMINATIONS [LR-24]
OPEN ELECTIVE COURSES OFFERED(OE-1)

U24EE608	Fundamental of Power Electronics
U24EE609	Electrical Installation and Safety
U24CS607	Java Programming
U24IT606	Operating Systems
U24ME608	Basics Of 3-D Printing
U24ME609	Optimization Methods for Engineers
U24CE607	Construction Materials
U24CE608	Engineering Geology
U24EC607	Principles of Data Communication and Network
U24EC608	Embedded Systems
U24MB602	Total Quality Management
U24MB603	Innovation Management
U24SH601	Indian Music System
U24SH602	Introduction to Art and Aesthetics
U24CM607	Fundamentals of Machine Learning

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LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY
(A UGC Autonomous Institution)

SCHEME OF INSTRUCTION & EXAMINATION
(With effect from the Academic Year 2026-27)

I-B.E. I-Semester (Group-A)
(Common to INF, CSE-AIML, AIML & ECE)

S. No.	Course Code	Category	Course Title	Scheme of Instructions				Scheme of Examination			CREDITS
				L	T	P/ D	Contact Hours/Week	Maximum Marks		Duration in Hours	
								CIE	SEE		
MC: Three Week Induction Programme											
Theory Course											
1	U26MA101	BSC	Mathematics-I	3	1	-	4	40	60	3	4
2	U26CH101	BSC	Engineering Chemistry	3	-	-	3	40	60	3	3
3	U26CS101	ESC	Python Programming	3	-	-	3	40	60	3	3
4	U26EN101	HMSC	English for Professional Communication	2	-	-	2	40	60	3	2
5	U26EN102	HSMC	Universal Human Values	2	-	-	2	40	60	3	2
6	U26CH102	MC	Environmental Science	2	-	-	2	40	60	3	-
Practical/ Laboratory Course											
7	U26CH1L1	BSC	Engineering Chemistry Lab	-	-	3	3	25	50	3	1.5
8	U26CS1L1	ESC	Python Programming Lab	-	-	3	3	25	50	3	1.5
9	U26EN1L1	HSMC	Effective Communication and Soft Skills Lab	-	-	2	3	25	50	3	1
10	U26ME1L1	ESC	Workshop/Manufacturing Practice Lab	1	-	3	4	50	50	3	2
Total				16	1	11	29	365	560	30	20

L: Lecture (Hrs/Wk/Sem) **T:** Tutorial (Hrs/Wk/Sem) **P:** Practical **D:** Drawing (Hrs/Wk/Sem)

CIE: Continuous Internal Evaluation **SEE:** Semester End Examination

MC: Mandatory Course **BS:** Basic Science **ES:** Engineering Science
HS: Humanities and Social Sciences **MA:** Mathematics **CH:** Chemistry
EN: English
CE: Civil Engineering **ME:** Mechanical Engineering **EE:** Electrical Engineering

Note:

- Each contact hour is a Clock Hour.
- The duration of the practical class is two hours, however it can be extended wherever necessary, to enable the student to complete the experiment.

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LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY
(A UGC Autonomous Institution)

SCHEME OF INSTRUCTION & EXAMINATION
(With effect from the Academic Year 2026-27)

I-B.E. II-Semester (Group-A)
(Common to INF, CSE-AIML, AIML & ECE)

S. No.	Course Code	Category	Course Title	Scheme of Instructions				Scheme of Examination			CREDITS
				L	T	P/ D	Contact Hours/Week	Maximum Marks		Duration in Hours	
								CIE	SEE		
Theory Course											
1	U26MA201	BSC	Mathematics-II	3	1	-	4	40	60	3	4
2	U26PH201	BSC	Engineering Physics	3	-	-	3	40	60	3	3
3	U26CS201	ESC	Programming for Problem Solving	3	-	-	3	40	60	3	3
4	U26EE201	ESC	Basic Electrical Engineering	3	-	-	3	40	60	3	3
5	U26CM201	ESC	Artificial Intelligence Foundations	1	-	-	1	40	60	3	1
6	U26EN201	MC	Indian Constitution	2	-	-	2	40	60	3	-
Practical/ Laboratory Course											
7	U26PH2L1	BSC	Engineering Physics Lab	-	-	3	3	25	50	3	1.5
8	U26CS2L1	ESC	Programming for Problem Solving Lab.	-	-	3	3	25	50	3	1.5
9	U26ME2L1	ESC	Engineering Graphics & Design Practice Lab	1	-	3	4	50	50	3	2
10	U26EE2L1	ESC	Basic Electrical Engineering Lab	-	-	2	2	25	50	3	1
Total				16	1	11	28	365	560	30	20

L: Lecture (Hrs/Wk/Sem) **T:** Tutorial (Hrs/Wk/Sem) **P:** Practical **D:** Drawing (Hrs/Wk/Sem)

CIE: Continuous Internal Evaluation

SEE: Semester End Examination

MC: Mandatory Course **BS:** Basic Science

ES: Engineering Science

HS: Humanities and Social Sciences

MT: Mathematics

CH: Chemistry

EN: English

CE: Civil Engineering **ME:** Mechanical Engineering.

EE: Electrical Engineering

CS: Computer Science and Engineering

Note:

1. Each contact hour is a Clock Hour.
2. The duration of the practical class is two hours, however it can be extended wherever necessary, to enable the student to complete the experiment.

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LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution)
Department of Artificial Intelligence and Machine Learning
B.E. AIML Honors Degree Program (2026-27)
SCHEME OF INSTRUCTIONS AND EXAMINATION (LR24)

S.No.	Course Code	Category	Name of the Course	Scheme of Instruction			Scheme of Examination			Credits	
				Hours per Week			Duration In Hrs	Maximum Marks			
				L	T	P		CIE	SEE		
Theory Cum Practical's											
1.	U24AMH01	HDP	Introduction to LLM (V-Semester)	3	-	-	3	40	60	3	
2.	U24AMH02	HDP	Genetic Algorithms and Fuzzy Logic Systems (V-Semester)	3	-	-	3	40	60	3	
3.	U24AMH03	HDP	Introduction to Generative AI (VI Semester)	3	-	-	3	40	60	3	
4.	U24AMH04	HDP	Quantum Computing (VII-Semester)	3	-	-	3	40	60	3	
			TOTAL	12	0	-	12	160	240	12	
			GRANDTOTAL	12				400		12	
5.	-	HDP	MOOC Courses (V to VIII -Semester)								8
			Total Credits:								20

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List of MOOC courses:

S.No.	Course Code	Category	Name of the Course	Duration	Credits
1.	U24AMH05	HDP	Data Science for Engineers	08 weeks	2
2.	U24AMH06	HDP	Secure Computations	12 weeks	3
3.	U24AMH07	HDP	Scalable Data Science	12 weeks	3
4.	U24AMH08	HDP	Social Networks	12 weeks	3
5.	U24AMH09	HDP	Computer Vision & Image Processing Fundamentals & Applications	12 weeks	3
6.	U24AMH10	HDP	Introduction to Machine Learning	12 weeks	3
7.	U24AMH11	HDP	Introduction to Soft Computing	08 weeks	2
8.	U24AMH12	HDP	Ethical Hacking	12 weeks	3
9.	U24AMH13	HDP	Responsible and safe AI systems	12 weeks	3
10.	U24AMH14	HDP	Big data computing	8 weeks	2
11.	U24AMH15	HDP	Google Cloud Computing Foundations	8 weeks	2
12.	U24AMH15	HDP	Edge Computing	8 weeks	2
13.	U24AMH15	HDP	Business Intelligence and analytics	12 weeks	3
15.	U24AMH15	HDP	Blockchain and its Applications	12 weeks	3
16.	U24AMH15	HDP	Cryptography and Network Security	12 weeks	3
17.	U24AMH15	HDP	Introduction to Large Language Models	12 weeks	3

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LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution)

SCHEME OF INSTRUCTIONS AND EXAMINATION (LR24)

B.E. AIML Minor Degree Program in Artificial Intelligence and Machine Learning (2026-27)

S.No.	Name of the Course	Scheme of Instruction			Scheme of Examination			Credits
		Hours per Week			Duration in Hrs	Maximum Marks		
		L	T	P		CIE	SEE	
Theory Cum Practical's								
1.	Artificial Intelligence (V-Semester)	3	-	-	3	40	60	3
2.	Machine Learning (V-Semester)	3	-	-	3	40	60	3
3.	Foundation of Data Science (VI-Semester)	3	-	-	3	40	60	3
4.	Information Security (VII-Semester)	3	-	-	3	40	60	3
	TOTAL	12	-	-	12	160	240	12
	GRANDTOTAL		12			400		12
5.	MOOC Courses (VI or VIII -Semester)							8
	Total Credits:							20

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List of MOOC courses:

Course name	Credits
Natural Language Processing	3
Reinforcement Learning	3
Social Networks	3
Virtual Reality	2
Introduction to Soft Computing	2
Ethical Hacking	3
Introduction to Internet of Things	3
Privacy and Security in Online social media	3
Cloud Computing	3

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