

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES:: RAJAMPET
(An Autonomous Institution)

(Approved by AICTE, New Delhi, Affiliated to Jawaharlal Nehru Technological University Anantapur, B.Tech: CIVIL, MECH, EEE,
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12(B) as per UGC act 1956)

Ref.No.:/AITS/SoE/CE/BOS-01/2025-26/MOM-18

Date: 21/06/2025

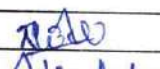
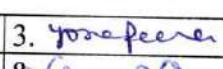
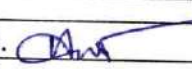
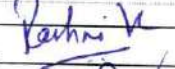
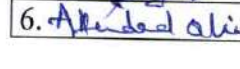
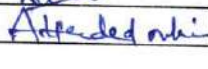
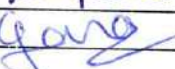
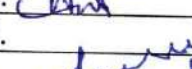
DEPARTMENT OF CIVIL ENGINEERING

18th BoS Minutes of Meeting

The 18th Board of Studies meeting is scheduled to be held on 21.06.2025, from 10.30 a.m. onwards at the Seminar Hall, Civil Engineering Block.

Members Present:

S. No	Name of the member	Role in Board of Studies	Category
1	Dr. T. Naresh Kumar Associate Professor & HOD, Dept of Civil Engineering, AITS Rajampet	Chairman	Ex-Officio
2	Dr. N. R. Gowthami Assistant Professor Dept of Civil Engineering, AITS Rajampet	Member	Internal Member
3	Dr. D. Gouse Peera Assistant Professor Dept of Civil Engineering, AITS Rajampet	Member	Internal Member
4	Mr. V. Haneef Assistant Professor Dept of Civil Engineering, AITS Rajampet	Member	Internal Member
5	Dr. K. Rashmi Assistant Professor Dept of Civil Engineering, AITS Rajampet	Member	Internal Member
6	Dr. M. Sree Murali Professor SV University, Tirupathi	Member	Outside Subject Expert
7	Dr. Raghukanth Professor IIT Madras	Member	Outside Subject Expert
8	Prof. G. Appa Rao Professor in Civil Engineering IIT Madras, Chennai-600 036, T.N.	Member	University Nominee
9	Sri. M. Krishna Reddy Retd. Chief Engineer, Panchayat Raj Dept., Andhra Pradesh, Ph: 7702372660	Member	Industry Expert
10	Mr. B. V. Prudvi Raj Consultant – Planning Engineer Colliers International Property Services	Member	Alumni

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12(B) as per UGC act 1956)

1, Sunningdale, Embassy Golf Links
Business Park, Domlur, Bengaluru,
Karnataka

Members of Absence: NIL

Agenda of the Meeting:

Item No	Particulars
BoS/2025/CIVIL/1.1	Confirmation of the minutes of the 17th meeting of the Board of Studies held on 12.07.2024 and the action taken report of the same.
BoS/2025/ CIVIL /1.2	Discussion on the R23 III & IV B.Tech. course structure, with a detailed discussion on the III & IV year syllabi.
BoS/2025/ CIVIL /1.3	To consider and approve the panel of examiners for external examinations for the Academic Year 2025-26.
BoS/2025 CIVIL /1.4	Any other item with the permission of the Chair.

MINUTES OF THE MEETING

Agenda Item No: BoS/2025/CIVIL/1.1 Confirmation of the minutes of the 17th meeting of the Board of Studies held on 12.07.2024 and the action taken report of the same.

Welcome:

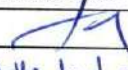
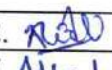
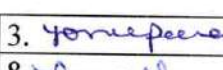
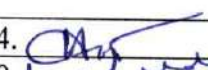
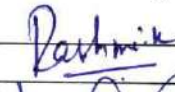
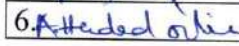
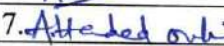
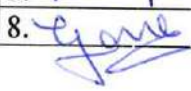
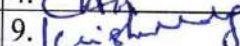
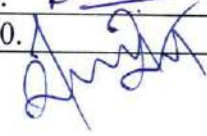
Dr. T. Naresh Kumar, Head, Department of Civil Engineering has extended warm welcome to all the members.

Introduction:

At the outset, Dr. T. Naresh Kumar, Head, Department of Civil Engineering introduced all the members of the Board of Studies and thanked them for accepting the invitation to the 18th BoS meeting.

Chairman of the Board, welcomed all the members of CE- Board of Studies. He introduced University Nominee Dr. G. Appa Rao, Professor-CE, IIT Madras, Dr. A. Ramachandra Murthy, Senior Principal Scientist, CSIR-SERC, Chennai, Outside Expert Dr. M. Sree Murali, Professor-CE, SV College of Engineering Tirupati, and Dr. Raghukanth, Professor-CE, IIT Madras, Industry expert - Sri. M. Krishna Reddy, Retd. Chief Engineer, Panchayat Raj Dept, and our meritorious Alumni- Mr B V Prudvi Raj, Consultant – Planning Engineer, Colliers International Property Services, Bengaluru, Karnataka.

The agenda for the CE -BOS meeting was then read and the forum was open for individual subject deliberations

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Brief over view on department Vision, Mission and Objectives. Board of Studies (BoS) oversees the development and maintenance of the curriculum for academic programs. It composed of Chairman, Internal members, outside subject Experts, University Nominee, Industry Expert and Alumni. The BoS is responsible for designing course content, recommending textbooks, and setting academic standards. The members of BoS reviews and develop the curriculum and send it to the Academic Council for approval. The new curriculum is introduced at the start of an academic year; after implementing the updated curriculum, continuous monitoring will be done by the Bos members and periodic revisions is there to review and update the curriculum to keep it up-to-date. The curriculum includes new knowledge, skills, and technologies, ensuring that students receive a quality education that prepares them for future challenges in their careers.

Therefore 17th BOS minutes are approved

Action Taken- R-23 Regulations II B.Tech-I & II Semesters course structure and syllabus is implemented in curriculum successfully as enclosed in ANNEXURE-1.

Agenda Item No: BoS/2025/ CIVIL /1.2 : Discussion on the R23 III & IV B.Tech. course structure, with a detailed discussion on the III & IV year syllabi.

The following are the suggestions and modifications made by the BOS Expert Committee members.

Dr. G. Appa Rao,

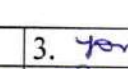
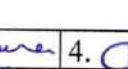
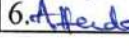
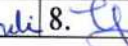
1. The courses renamed as Design of Prestressed Concrete members instead of Prestressed Concrete.
2. The courses renamed as Skills in Civil Engineering Softwares members instead of Civil Engineering Softwares
3. The course named Preparation of Project Reports is incorporated along with technical paper writing and intellectual property rights.

Sri. M. Krishna Reddy

1. In Railways, Airports, Docks and Harbour Engineering course Introduction to Tunnelling is added.
2. In Building materials and services, Building Orientation is incorporated.
3. In experimental stress analysis course mounting methods of strain gauges in Unit-3 and Collection to temperature effects-Unit-2 were added.

Dr. M. Sri Murali,

1. The topic Basic Underground drainage system- Unit 4 is added in Environmental Engineering.
2. In Design of steel structures course, the design of Gantry Girder is converted to demo.

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Dr. Raghukanth

1. In Disaster Management, the contents construction detailing of various members topic is corrected.
2. SENDAI regulations are incorporated in Unit-I for Disaster Management Course.

Mr. B. V. Prudvi Raj

1. Internship should be made Industry Interactive.
2. The civil Engineering Softwares should be incorporated,

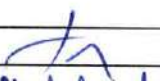
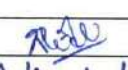
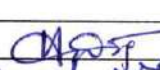
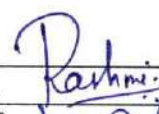
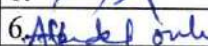
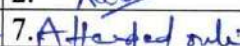
The course structure and syllabi of R23 Regulations III B.Tech and IV B.Tech courses are thoroughly revised and finalized as enclosed in the **ANNEXURE-II**

Agenda Item No: BoS/2025/ CIVIL /2.3: To consider and approve the panel of examiners for external examinations for the Academic Year 2025-26.

Chairman of the Board: Dr. T. Naresh Kumar, presented the panel of examiners for III & IV B.Tech courses, ensuring qualified personnel for evaluation and academic assessment, which was reviewed and approved by the BoS external members as enclosed in the Annexure-III. The approved list of examiners for second-year courses/subjects is as enclosed in Annexure-III.

Agenda Item No. BoS/2025/ CIVIL /2.12: Any other item with the permission of the Chair.
As all items on the agenda have been discussed and resolved, the chairman of the BOS concluded that there are no other items to be discussed.

Dr. T. Naresh Kumar thanked all members for their active participation and valuable suggestions. The meeting concluded on a productive note. He individually thanked the BOS Members for their committed participation in the discussions and for their valid inputs to the course. He then thanked subject and industry experts and other members of the board for their valuable involvement in the syllabus discussions.

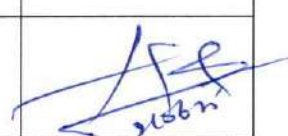
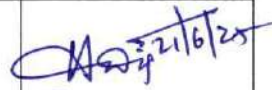
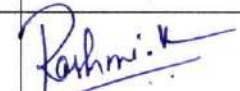
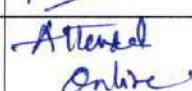
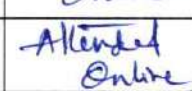
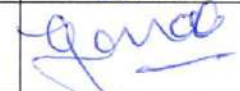
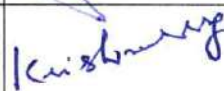
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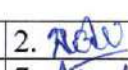
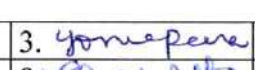
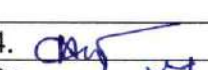
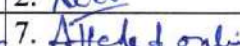
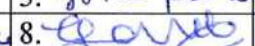
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Attendance Sheet:

BoS Members:

S. No	Name of the member	Role in Board of Studies	Category	Signature
1	Dr. T. Naresh Kumar Associate Professor & HOD, Dept of Civil Engineering, AITS Rajampet	Chairman	Ex-Officio	
2	Dr. N. R. Gowthami Assistant Professor Dept of Civil Engineering, AITS Rajampet	Member	Internal Member	
3	Dr. D. Gouse Peera Assistant Professor Dept of Civil Engineering, AITS Rajampet	Member	Internal Member	
4	Mr. V. Haneef Assistant Professor Dept of Civil Engineering, AITS Rajampet	Member	Internal Member	
5	Dr. K. Rashmi Assistant Professor Dept of Civil Engineering, AITS Rajampet	Member	Internal Member	
6	Dr. M. Sree Murali Professor SV University, Tirupathi	Member	Outside Subject Expert	
7	Dr. STG Raghukanth Professor, IIT Madras	Member	Outside Subject Expert	
8	Prof. G. Appa Rao Professor in Civil Engineering IIT Madras, Chennai-600 036, T.N.	Member	University Nominee	
9	Sri. M. Krishna Reddy Retd. Chief Engineer, Panchayat Raj Dept., Andhra Pradesh, Ph: 7702372660	Member	Industry Expert	
10	Mr. B. V. Prudvi Raj Consultant - Planning Engineer Colliers International Property Services 1, Sunningdale, Embassy Golf Links Business Park, Domlur, Bengaluru, Karnataka	Member	Alumni	

CHAIRMAN-BOS
Department of CE
AU, Rajampet.

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

MINUTES of 18th BOS MEETING

Date & Time
21/06/2025 & 10.30 am



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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Academic Year 2025-2026

MINUTES OF BOARD OF STUDIES

The meeting of the Board of Studies in Electrical and Electronics Engineering (UG) of the Department of Electrical and Electronics Engineering, AITS, Rajampet held on 21/06/2025 at 10.30 a.m. to discuss the revision of curriculum and syllabus of B. Tech.

The following members were present for the BoS meeting

S. No.	Name of the Board Member	Designation	Institute/Industry	Role
Internal Members				
1.	Dr. M. Padma Lalitha	Professor	AITS, Rajampet.	Chairperson
2.	Dr. P. B. Chennaiah	Associate Professor	AITS, Rajampet.	Member
3.	Dr. S. Suresh	Associate Professor	AITS, Rajampet.	Member
4.	Mr. C. Ganesh	Assistant. Professor	AITS, Rajampet.	Member
External Members				
5.	Dr. Subhransu Sekhar Dash	Principal	Government College of Engineering, Kalahandi Bhubaneswar, Odisha	Subject Expert
6.	Dr. R. Sreenivasa Rao	Professor	JNTU, Kakinada.	University Nominee
7.	Dr. K. Sreenivas	Chief Engineer	APTRANSCO, Vijayawada.	Industry Expert
8.	Dr. C. Santhi Durganjali	System HIL Validation Engineer	TATA, Elxsi, Hyderabad.	Alumni



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AGENDA OF THE MEETING

Item No.	Particulars
BoS / 2025 / EEE / UG /18.1	Ratification of 17 th Board of Studies meeting.
BoS / 2025 / EEE / UG /18.2	Ratification of 17 th Board of Studies meeting action taken.
BoS / 2025 / EEE / UG /18.3	Discussion on stakeholder's feedback on curriculum.
BoS / 2025 / EEE / UG /18.4	Discussion on course structure for III, and IV B. Tech, R23 Regulation.
BoS / 2025 / EEE / UG /18.5	Discussion on detailed syllabus for III, and IV B. Tech, R23 Regulation.
BoS / 2025 / EEE / UG /18.6	Discussion on detailed syllabus for Honors and Minors for R23 Regulation.
BoS / 2025 / EEE / UG /18.7	Discussion on COs, POs, PSOs, and CO-PO-PSOs mapping etc.
BoS / 2025 / EEE / UG /18.8	Identification and Listing of External Examiners.



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MINUTES OF THE MEETING

Dr. M. Padma Lalitha, Professor and Head Department of Electrical & Electronics Engineering, Chairman, BoS initiated the meeting with a warm welcome and thanked them for accepting the invitation to the 18th BoS meeting.

Item No: 1 BoS / 2025 / EEE / UG / 18.1

Ratification of 17th Board of Studies meeting held on 12/07/2024

The external BoS members have ratified the points discussed in the 17th Board of Studies meeting held on 12/07/2024.

Item No: 1 BoS / 2025 / EEE / UG / 18.2

Ratification of 17th BoS meeting action taken report

The BoS chairperson presented the action taken report on changes made in the syllabus as per the suggestions given by the external BoS members and is enclosed in **Annexure-I**. The BoS members approved the same.

Item No: 1 BoS / 2025 / EEE / UG / 18.3

Discussion on stakeholder's feedback on curriculum.

The BoS chairperson presented the stakeholders feedback on curriculum received from the feedback committee approved by PAC (Programme Assessment Committee). The resolutions are appended in **Annexure-II**.

Item No: 1 BoS / 2025 / EEE / UG / 18.4

Discussion on course structure for III, and IV B. Tech, R23 Regulation

The BoS members approved the same. The BoS chairperson discussed the course structure for III, and IV B. Tech, R23 Regulation and the BoS members approved the course structure and the copy of course structure is enclosed in **Annexure-III**.



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Item No: 1 BoS / 2025 / EEE / UG / 18.5

Discussion on detailed syllabus for III, and IV B. Tech, R23 Regulation

The BoS chairperson discussed the syllabus for III and IV B. Tech., R23 Regulation, and the BoS members approved the syllabus. Also, the following recommendations are given.

Dr. Subhransu Sekhar Dash:

1. Proposed to **replace the existing "Communication Systems" course with a new course on "Smart Grid"** to enhance relevance to current industry trends.
2. Recommended to **remove Unit IV (Short Circuit Analysis)** and instead **include more pertinent topics aligned with the course objectives** in the **Power Systems–II** course, recommended to
3. Suggested to **relocate topics related to biomass and tidal energy** to **Unit I** of the **Renewable & Distributed Energy Technologies** course to streamline the syllabus.
4. The title of **Unit III** in the same course is to be revised as **"Green Energy and Energy Storage"** to better reflect its content.
5. Advised to **incorporate fundamental concepts and principles of fuel cells, hydrogen energy, and related technologies** in the **Renewable & Distributed Energy Technologies** course.

Dr. C. Santhi Durganjali:

1. Recommended to **include a section on Electrical Safety Standards** in the **High Voltage Engineering** course.
2. Suggested to **integrate a module on Home Automation using IoT** within the **Smart Grid** course to expand practical relevance.
3. The **Power Electronics** course should **highlight the applications of converters** across all units for better contextual understanding.

Dr. R. Srinivasa Rao:

1. Suggested to minimize the syllabus content to reduce academic rigor.
2. Advised the **names of external examiners should not be disclosed** during Board of Studies meetings to maintain confidentiality.



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Item No: 1 BoS / 2025 / EEE / UG / 18.6

Discussion on detailed syllabus for Honors and Minors for R23 Regulation

The BoS chairperson discussed the syllabus for Honors and Minors for R23 Regulation, and the BoS members approved the same.

Item No: 1 BoS / 2025 / EEE / UG / 18.7

Discussion on COs, POs, PSOs, and CO-PO-PSO mapping etc.

The BoS chairperson and other members discussed the COs, POs, PSOs and CO-PO-PSO mapping with the external BoS members. The BoS members approved the CO-PO-PSO mapping.

Item No: 1 BoS / 2025 / EEE / UG / 18.8

Identification and Listing of External Examiners.

The BOS chairperson listed out the external examiners from IITs, NITs and Universities. The list of examiners is presented in **Annexure-IV**.

Dr. M. Padma Lalitha
Chairman



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Annexure-II (Stakeholder's Feedback)

The following recommendations have been forwarded from the feedback committee and PAC to the BOS.

The resolutions passed are provided point wise below:

S. No.	Decision About	Resolution
1	Inclusion of Signals and Systems course in the curriculum	Resolved to incorporate the Signals and Systems course into the undergraduate curriculum.
2	Introduction of AI & ML applications in Electrical Engineering	Resolved to offer a new course titled AI & ML for Electrical Engineering to address emerging trends.
3	Enhancement of departmental research facilities	Resolved to procure advanced software tools to support and strengthen research activities in the department.
4	Conduct of guest lectures and workshops on contemporary technologies	Resolved to regularly organize guest lectures and workshops on recent and emerging technologies.
5	Arrangement of industrial visits for students	Resolved to facilitate periodic industrial visits to enhance students' practical exposure.



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Annexure-III (Course Structure for III and IV B. Tech)

B.Tech. III Year-I Semester

S. No.	Category	Course Code	Title	L	T	P	C
1	PCC	23A0251T	Power Electronics	2	1	0	3
2	PCC	23A0252T	Digital Circuits	2	1	0	3
3	PCC	23A0253T	Power Systems-II	3	0	0	3
4	PEC-I	23A025AT	Signals and Systems	3	0	0	3
		23A025BT	Electrical safety and Risk Management				
		23A025CT	Utilization of Electrical Energy				
		23A025DT	High Voltage Engineering				
5	OEC-I		Open Elective-I	3	0	0	3
6	PCC	23A0251L	Power Electronics Lab	0	0	3	1.5
7	PCC	23A0252L	Analog and Digital Circuits Lab	0	0	3	1.5
8	SEC-I		Skill Enhancement course Soft Skills	0	1	2	2
9	PCC	23A0253L	Tinkering Lab	0	0	2	1
10	IN	23A0254I	Evaluation of Community Service Internship	-	-	-	2
Total				15	1	10	23

Open Elective-I

S. No.	Category	Course Name	Offered by the Dept.
1		Green Buildings	CE
2		Construction Technology and Management	
3		Sustainable Energy Technologies	ME
4		Electronic Circuits	ECE
5		Java Programming	CSE & Allied/IT
6		Introduction to Artificial Intelligence	
7		Mathematics for Machine Learning and AI	Mathematics
8		Materials Characterization Techniques	Physics
9		Chemistry of Energy Systems	Chemistry
10		English for Competitive Examinations	Humanities
11		Entrepreneurship and New Venture Creation	



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B.Tech. III Year-II Semester

S. No.	Category	Course Code	Title	L	T	P	C
1	PCC	23A0261T	Electrical Measurements and Instrumentation	3	0	0	3
2	PCC	23A0262T	Microprocessors and Microcontrollers	3	0	0	3
3	PCC	23A0263T	Power System Analysis	3	0	0	3
4	PEC-II	23A026AT	Professional Elective-II AI & ML for Electrical Engineering	3	0	0	3
		23A026BT	Programmable Logic Controllers				
		23A026CT	Switchgear and Protection				
		23A026DT	Energy Auditing and Demand Side management				
5	PEC-III	23A026ET	Professional Elective-III Smart Grid	3	0	0	3
		23A026FT	Electric Drives				
		23A026GT	Renewable and Distributed Energy Technologies				
		23A026HT	Embedded Systems				
6	OEC-II		Open Elective - II	3	0	0	3
7	PCC	23A0261L	Electrical Measurements and Instrumentation Lab	0	0	3	1.5
8	PCC	23A0262L	Microprocessors and Microcontrollers Lab	0	0	3	1.5
9	SEC-II	23A0263L	Skill Enhancement course Applications of Soft Computing Tools in Electrical Engineering	0	1	2	2
10	AC-I	23A0264L	Audit Course Technical Paper Writing & IPR	2	0	0	-
Total				20	1	8	23
Mandatory Industry Internship of 08 weeks duration during summer vacation							

Open Elective-II

S. No.	Category	Course Name	Offered by the Dept.
1		Disaster Management	CE
2		Sustainability In Engineering Practices	
3		Automation and Robotics	ME
4		Digital Electronics	ECE
5		Operating Systems	CSE& Allied/IT
6		Machine Learning	
7		Optimization Techniques	Mathematics
8		Physics of Electronic Materials and Devices	Physics
9		Chemistry of Polymers and Applications	Chemistry
10		Academic Writing and Public Speaking	Humanities



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B.Tech. IV Year-I Semester

S. No.	Category	Course Code	Title	L	T	P	C
1	PCC	23A0271T	Power System Operation and Control	3	0	0	3
2	HSMC		Management Course- II Elective	2	0	0	2
			Business Ethics and Corporate Governance				
			E-Business				
3	PEC-IV		Professional Elective-IV	3	0	0	3
		23A027AT	Digital Signal Processing				
		23A027BT	Electric Vehicle Technology				
		23A027CT	HVDC & FACTS				
4	PEC-V		Professional Elective-V	3	0	0	3
		23A027ET	Modern Control Theory				
		23A027FT	Switched Mode Power Conversion				
		23A027GT	Electrical Distribution System				
5	OEC-III		Open Elective - III	3	0	0	3
6	OEC-IV		Open Elective-IV	3	0	0	3
7	SEC-III	23A0271L	Skill Enhancement Course Power Systems and Simulation Lab	0	0	4	2
8	AC-II		Audit Course Gender Sensitization	2	0	0	-
9	IN	23A0272I	Internship Evaluation of Industry Internship	-	-	-	2
Total				17	0	0	4

Open Elective-III

S. No.	Category	Course Name	Offered by the Dept.
1		Building Materials and Services	CE
2		Environmental Impact Assessment	
3		3D Printing Technologies	ME
4		Microprocessors and Microcontrollers	ECE
5		Data Base Management Systems	CSE & Allied/IT
6		Cyber Security	
7		Wavelet transforms and its applications	Mathematics
8		Smart Materials and Devices	Physics
9		Green Chemistry and Catalysis for Sustainable Environment	Chemistry
10		Employability Skills	Humanities



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Open Elective-IV

S. No.	Category	Course Name	Offered by the Dept.
1		Geo-Spatial Technologies	CE
2		Solid Waste Management	
3		Total Quality Management	ME
4		Transducers and Sensors	ECE
5		Computer Networks	CSE & Allied/IT
6		Internet of Things	
7		Financial Mathematics	Mathematics
8		Sensors And Actuators for Engineering Applications	Physics
9		Chemistry Of Nanomaterials and Applications	Chemistry
10		Literary Vibes	Humanities

B.Tech. IV Year-II Semester

S. No.	Category	Title	L	T	P	C
1	PR	Internship and Project	-	-	24	12

Open Electives Offered by EEE Department

S. No	Category	Course Code	Title	L	T	P	C
1	OEC	23A025ET	Electrical Safety Practices and Standards	3	0	0	3
2	OEC	23A025FT	Instrumentation	3	0	0	3
3	OEC	23A026IT	Renewable Energy Sources	3	0	0	3
4	OEC	23A026JT	Wind and Solar Energy	3	0	0	3
5	OEC	23A027IT	Smart Grid Technologies	3	0	0	3
6	OEC	23A027JT	Electric Vehicles	3	0	0	3

Honors in Electric Vehicles (EEE Department)

S. No	Category	Course Code	Title	L	T	P	C
1	HON	23A2H01	E - Mobility	3	0	0	3
2	HON	23A2H02	Battery Management Systems	3	0	0	3
3	HON	23A2H03	Special Machines for Electric Vehicles	3	0	0	3
4	HON	23A2H04	Grid Interface of Electric Vehicles	3	0	0	3
5	HON	23A2H05	EV Charging Technologies	3	0	0	3
6	HON	23A2H06	Project on Electric Vehicles	0	0	6	3



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Minors in Energy Systems (EEE Department)

S. No	Category	Course Code	Title	L	T	P	C
1	MON-I	23A2M01	Energy Audit and Management	3	0	0	3
2	MON-I	23A2M02	Energy Management in Building	3	0	0	3
3	MON-I	23A2M03	Energy Storage Technologies	3	0	0	3
4	MON-I	23A2M04	Energy Scenario and Energy Policy	3	0	0	3
5	MON-I	23A2M05	Waste Energy Management	3	0	0	3
6	MON-I	23A2M06	Project in Energy Systems	0	0	6	3

Minors in Micro Grid Technology (EEE Department)

S. No	Category	Course Code	Title	L	T	P	C
1	MON-II	23A2M07	Futuristic Power Systems	3	0	0	3
2	MON-II	23A2M08	Power Electronic Converters for Energy Sources	3	0	0	3
3	MON-II	23A2M09	Micro Grid Power and Control Architecture	3	0	0	3
4	MON-II	23A2M10	Micro Grid System Design	3	0	0	3
5	MON-II	23A2M11	Analysis of Smart Grid System	3	0	0	3
6	MON-II	23A2M12	Project in Micro Grid Technology	0	0	6	3



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Annexure-IV (List of External Examiners)

S.No.	Examiner Name	Address
1	Dr. T. Vinopraba	Associate Professor, EEE Department, NIT Puducherry
2	Dr. V. Nagabhaskar Reddy	Professor & HoD, Department of EEE, RGM CET, Nandyal
3	Dr. R. Sridhar	Professor, Department of EEE, SRMIST, Chennai.
4	Dr. M. Sushma	Professor, Department of EEE, JNTUCEH, Hyderabad
5	Dr. D. Sri Vidhya	Associate Professor, K. S. Rangasamy College of Technology, Tiruchengode
6	Dr. M. N. Giri Prasad	Professor, Dept of E.C.E, JNTUACEA, Anantapur.
7	Dr. M. Janardhan Raju	Principal, SIET, Puttur
8	Dr. H. Devanna	Professor, SJ CET, Yemmiganur
9	Dr. K. Sudhakar	HoD, Dept of E.C.E., SJ CET, Yemmiganur
10	Dr. M. Padmaja Rani	Associate Professor, SJ CET., Yemmiganur
11	Dr K. Narasimha Rao	Professor & Head, Department of EEE, GVP College of Engineering (Autonomous), Visakhapatnam
12	Dr. V.C. Veera Reddy	Professor, Department of EEE, SPMVV, Tirupati
13	Dr. V. S. Vakula	Assistant Professor & HOD, Department of EEE, JNTUK, Vizianagaram
14	Dr. G. V. Sivakrishna Rao	Professor, Department of EEE, AU, Visakhapatnam
15	Dr. K. Jithendra Gowd	Assistant Professor, Department of EEE, JNTUCEA, Anantapur
16	Dr. N. Naga Raja Rao	Professor & HOD, GPREC, Kurnool
17	Dr. D. Vishnuvardhan	Assistant Professor, JNTUACEA, Anantapuramu
18	Dr. B. Polaiah	Professor, KLU, Vijayawada
19	Dr. P. V. Ramana	HOD, Dept of E.C.E., SVNEC, Rangampet
20	Dr. M. Venkata Narayana	Professor, KSRM College of Engineering, Kadapa
21	Dr. P. Sujatha	Professor, Department of EEE, JNTUCEA, Anantapur
22	Dr. Ch. Chengaiah	Professor, Department of EEE, SVUCE, SVU, Tirupati
23	Dr. B. Urmila	Associate Professor, Department of EEE, GPREC, Kurnool
24	Dr. V. Maheswari	Associate Professor, Department of EEE, SITAMS, Chittoor.
25	Dr. S. Ravindra	Professor, Department of EEE, Vasireddy Venkatadri Institute of Technology, Guntur.
26	Dr. G. Venkateswarlu	Professor & HoD, Department of EEE, Narayana Engineering College, Nellore.
27	Dr. P. Nagaraju Mandadi	Professor, Dept. of EEE, SITAMS, Chittoor.
28	Dr. S. Suresh Reddy	Professor & HoD, Department of EEE, NBRIST, Vakadu.
29	Dr. B. Mouli Chandra	Professor & HoD, Department of EEE, QISCET, Ongole.
30	Dr. K. S. R. Krishna Prasad	Professor, Department of EEE, NIT Warangal



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S.No.	Examiner Name	Address
31	Dr. T. Sreenivasulu Reddy	Associate Professor, Department of ECE, SVUCE, Tirupathi
32	Dr. R. Srinivasa Rao	Professor, Dept. of EEE, JNTU, Kakinada
33	Dr. M. Sivasatya Narayana	Associate Professor, Department of EEE, GPREC, Kurnool
34	Dr. C. Kamal Basha	Professor, Department of EEE, MITS, Madanapalle
35	Dr. Y .V. Siva Reddy	Professor, Department of EEE, GPREC, Kurnool
36	Dr. R. Rathinam	Professor, Department of EEE, SRMIST, Chennai.
37	Dr. I. Prabhakara Reddy	Professor, Department of EEE, NBRIST, Vakadu
38	Dr. K. Amaresh	Professor, Department of EEE, St. Peters Engineering College, Hyderabad
39	Dr. R. Kiranmayi	Professor, Dept. of EEE, JNTUCEA, Anantapur
40	Dr. P. V. Prasad	Professor, Department of EEE, CBIT, Hyderabad
41	Dr. P. Chandra Sekhar	Associate Professor, Department of EEE, MGIT, Hyderabad
42	Dr. N. Chellammal	Associate Professor, Department of EEE, SRM University, Chennai.
43	Dr. D. Suresh	Professor, RNSIT, Bengaluru
44	Dr. S. Shafiulla Basha	Assistant Professor, Dept. of ECE, YVU, Proddatur
45	Dr. C. Chandrasekhar	Professor, HOD, SVCEW, Tirupathi
46	Dr. M. V. Subramanyam	Professor, Shantiram Engg College, Nandyal
47	Dr. J. Siva Vara Prasad	Professor, Dept. of EEE, LBRCE, Krishna
48	Dr. G. Sambasiva Rao	Professor, R. V. R. & J. C. College of Engineering, Guntur
49	Dr. P. Ramkishore Kumar Reddy	Professor, Dept. of EEE, MGIT, Hyderabad
50	Dr. O. Chandra Sekhar	Associate Professor, Dept. of EEE, NIT, Delhi
51	Dr. M. Senthilkumar	Professor, Department of EEE, Sona college of Technology, Salem, Tamilnadu
52	Dr. Y. N. Vijay Kumar	Professor, Dept. of EEE, SVCET, Chittoor
53	Dr. P. Srinivas Varma	Associate Professor, Department of EEE, K L University, Guntur
54	Dr. M. Damodar Reddy	Professor, Department of EEE, SVUCE, SVU, Tirupati
55	Dr. S. S. Dash	Professor, Department of EEE, Government College of Engineering, Orissa
56	Dr. D. Satya Narayana	Professor, Dept of E.C.E, RGM CET, Nandyal
57	Dr. K. Hari Kishore	Professor, KLU, Vijayawada
58	Dr. S. Chandra Mohan Reddy	Assistant Professor, Dept. of E.C.E, JNTUCEP, Pulivendula
59	Dr. C. Srinivasarao	Professor, Dept. of EEE, GPCET, Kurnool
60	Dr. D. Lenine	Professor, Dept. of EEE, RGM CET, Nandyal
61	Dr. V.V.K Reddy	Professor, Dept. of EEE, NBKRIST, SPSR, Nellore
62	Dr. K. Nagireddy	Professor, NBKR, Vakadu
63	Dr. R. Sumalatha	Professor, VCE, Hyderabad



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S.No.	Examiner Name	Address
64	Dr. T. Gowri Manohar	Professor, Dept. of EEE, SVUCE, SVU, Tirupati
65	Dr. B. Vijaya Krishna	Associate Professor, Department of EEE, Bapatla Engineering College, Bapatla
66	Dr. J. Sreenivasulu	Assistant Professor, Department of EEE, JNTUCEA, Anantapur
67	Dr. K. Vaisakh	Professor, Department of EEE, Andhra University, Visakhapatnam
68	Dr. V. Somasekhar	Professor, Dept. of EEE, NIT Warangal
69	Dr. K. Udhayakumar	Professor, Department of EEE, Anna University, Chennai
70	Dr. M. Kiran Kumar	Associate Professor, Department of EEE, K L University, Guntur
71	Dr. Sailaja Kumari M	Professor, Department of EEE, NIT Warangal
72	Dr. K. Chandra Sekhar	Professor, Department of EEE, RVR & JC college of Engineering, Guntur.
73	Dr. V. Usha Reddy	Associate Professor, Department of EEE, SVUCE, SVU, Tirupati
74	Dr. E. Vidya Sagar	Professor, Department of EEE, Osmania University, Hyderabad
75	Dr. Madhuri Avinash Chaudhari	Professor, Department of EEE, Visvesvaraya National Institute of Technology, Nagpur



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Annexure-I

Action Taken Report from the 17th BoS Meeting:

In response to the suggestion made in the previous Board of Studies meeting, the concept of “**Laplace Transforms**” has been incorporated into the syllabus of the "**Complex Variables & Numerical Methods**" course to strengthen students' foundational understanding and align with curriculum requirements.

Revised Syllabus of Complex Variables & Numerical Methods

Unit 1 Laplace Transforms

8

Definition-Laplace transform of standard functions-linearity property, first shifting Theorem, transforms of derivatives, Multiplication by t^n – Laplace transform of Periodic function, Initial and final value theorems. Inverse transform- linearity property, first shifting Theorem, inverse Laplace transform by Partial fractions, Applications of Laplace transforms to ordinary differential equations of first and second order with constant coefficients (without proofs).

Unit 2 Complex Variable – Differentiation

10

Introduction to functions of complex variable-concept of Limit & continuity- Differentiation, Cauchy-Riemann equations, analytic functions harmonic functions, finding harmonic conjugate-construction of analytic function by Milne Thomson method.

Unit 3 Complex Variable – Integration

8

Line integral-Contour integration, Cauchy's integral theorem (Simple Case), Cauchy Integral formula, Power series expansions: Taylor's series, zeros of analytic functions, singularities, Laurent's series, Residues, Cauchy Residue theorem (without proofs), Evaluation of definite integral involving sine and cosine.

Unit 4 Solution of algebraic & transcendental equations and Interpolation

8

Introduction-Bisection Method-Iterative method, Regula-falsi method and Newton Raphson method. Finite differences-Newton's forward and backward interpolation formulae – Lagrange's formulae.

Unit 5 Solution of initial value problems to ordinary differential equations

8

Numerical solution of Ordinary Differential equations: Solution by Taylor's series-Picard's Method of successive Approximations-Euler's and modified Euler's methods-Runge-Kutta methods (second and fourth order).



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Signature of the Board Members

S. No.	Name of the Board Member	Signature
1.	Dr. M. Padma Lalitha	<i>[Handwritten Signature]</i>
2.	Dr. P. B. Chennaiah	<i>P. B. Chennaiah</i>
3.	Dr. S. Suresh	<i>[Handwritten Signature]</i>
4.	Mr. C. Ganesh	<i>[Handwritten Signature]</i>
5.	Dr. Subharansu Sekhar Dash	Online
6.	Dr. N. Chellammal	ABSENT
7.	Dr. R. Sreenivasa Rao	Online
8.	Dr. K. Sreenivas	Online
9.	Dr. C. Santhi Durganjali	Online



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Academic Year: 2024 - 25

Meeting : Board of Studies – Mechanical Engineering

Date and Time : 21st June 2025 at 10:30 AM

Venue : AITS, RAJAMPET.

Minutes of 18th Board of Studies – Mechanical Engineering held on 21st June 2025 (Hybrid Mode) at AITS, Rajampet.

Members Present:

S.No	Name of the Board Member	Designation	Institute/ Industry	Role
INTERNAL MEMBERS				
1.	Dr. A. Hemantha kumar	Professor & Head, Department of Mechanical Engineering	Annamacharya Institute of Technology & Sciences, Rajampet	Chairman
2.	Mr. G. Amarnath	Assistant Professor, Department of Mechanical Engineering	Annamacharya Institute of Technology & Sciences, Rajampet	Machine Design Module
3.	Mr. C. Ramanjaneyulu	Assistant Professor, Department of Mechanical Engineering	Annamacharya Institute of Technology & Sciences, Rajampet	Thermal Engineering Module
4.	Dr. G. Suresh Babu	Assistant Professor, Department of Mechanical Engineering	Annamacharya Institute of Technology & Sciences, Rajampet	Production & Industrial Module
5.	Dr. N. Kishore Kumar	Assistant Professor, Department of Mechanical Engineering	Annamacharya Institute of Technology & Sciences, Rajampet	CAD/CAM Module
EXTERNAL MEMBERS				
6.	Dr. Hema Pothur	Professor & Head Department of Mechanical Engineering	SVU College of Engineering, SV University, Tirupati	Academic Expert
7.	Dr. N. Venkaiah	Professor, Department of Mechanical Engineering	Indian Institute of Technology, Tirupati	Academic Expert
8.	Prof. B. Durga Prasad	Professor, Department of Mechanical Engineering	JNTUA College of Engineering, JNTUA University, Ananthapuramu	University Nominee
9.	Mr. R. Guravaiah	Deputy Executive Engineer	Royalaseema Thermal Power Project, Muddanur	Industry expert
10.	Mr. D Mani Obul Reddy	IT Analyst	Tata Consultancy Services, Bengaluru	Meritorious Alumni with M.Tech.

[Handwritten signatures and initials in blue ink]



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Agenda:

Item No.	Particulars
BoS/2024/ME/UG /18.1	Ratification of 17 th Board of studies meeting held on 12.07.2024
BoS/2024/ME/UG /18.2	Ratification of 17 th Board of studies - Action taken report
BoS/2024/ME/UG /18.3	Discussion on the R23 ME III & IV B.Tech. course structure, with a detailed discussion on the III & IV year syllabi
BoS/2024/ME/UG /18.4	To consider and approve the panel of examiners for external examinations for the Academic Year 2025-26
BoS/2024/ME/UG /18.5	Any other item with the permission of the Chair.

Minutes of the Meeting:

The 18th Board of Studies meeting of the Mechanical Engineering Department was convened under the chairmanship of Dr. A. Hemantha Kumar, Professor and Head. After extending a warm welcome to the members, the Head invited the external experts to provide their opening remarks. The meeting then proceeded to discuss the formal agenda items, covering the following significant topics:

Item No 18.1: Ratification of 17th Board of studies meeting.

- The minutes of the 17th Board of Studies meeting of the Department of Mechanical Engineering, Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet, held on July 12, 2024, were presented by the Chairman for ratification. After detailed discussions, the Board ratified the minutes.

Item No 18.2: Ratification of 17th Board of studies - Action taken report

- "The Chairman presented the Action Taken Report (ATR) on the decisions of the 17th Board of Studies meeting, held on July 12, 2024. After thorough deliberations and discussions, the Board ratified the ATR."

Item No 18.3: Discussion on the R23 ME III & IV B.Tech. course structure, with a detailed discussion on the III- & IV-year syllabi.

- The Chairman presented the R23 B.Tech. Mechanical Engineering program course structure for III and IV years, including a detailed review of credit distribution across each semester. The course structure, encompassing Professional Core, Project/Dissertation Work, Mini-Project with Seminar, Laboratory Courses, Professional Electives, Open Electives, and Audit Courses, was scrutinized as per Annexure I.
- The Board reviewed the proposed syllabi for all subjects, complete with Lecture-Tutorial-Practical (L-T-P) details and mappings of Course Outcomes with Bloom's Taxonomy and Programme Outcomes. Expert suggestions from the BOS members were duly noted and will be incorporated into the syllabi as below.
- Expert member's suggestions:
 - Subject name recommended to change from 'Machining Process' to "Machining Processes".
 - Under each Professional elective courses, the list is of 5 courses recommended to be justified equally for all the modules of mechanical engineering.



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3. In 'Engineering Science Course' there is "AIML subject and Lab' and in the same semester under OE category the CSE is offering 'Machine Learning' course again, hence recommended not to have repetitive courses and replace with any other advanced CSE course.
4. One of the external members recommended a new trending course by title 'Prompt Engineering'.
5. In course structure the HSSM category was named as 'Management course -II' and this is suggested to change the heading as "Management Elective Course – II".
6. In 'Machining Processes' course recommended to revise the course outcomes with appropriate action verbs example: operation to operate etc... and rewrite all the other COs too.
7. In 'Machining Processes' course, the CO-1 the milling topic is to be removed and recommended to use strong key words in all the COs.
8. In 'Machining Processes' course, keep only 2 text books under prescribed text books and recommended to keep text book "Fundamentals of Machining Processes: Conventional and Nonconventional Processes, Second Edition by Hassan Abdel-Gawad El-Hofy".
9. In 'Thermal Engineering' course – the unit 2 title is recommended to change from 'Fuel systems, cooling systems & Lubrication systems' to "Fuel, Cooling & Lubrication systems".
10. In 'Metrology and Measurements' course –recommended to swap unit 2 and unit 3 and swap the text books of reference book 1 with prescribed text book 2 also remove text book by maharaja from the list.
11. General recommendation that 'Material science' and 'Metrology and Measurements' can be combined in to one course with limited important topics and can give scope to any important 'Thermal Engineering' courses like "Applied Thermodynamics". (may be considered in the next regulation).
12. In 'Work Study and Ergonomics' course – all the contents of the units are old and recommended to update with new and trending topics even though it may be an elective.
13. In 'Thermal Engineering Lab' – recommended to mention 'study experiments' under separate heading as optional and also it is recommended to keep the list of experiments count as per the availability of number of lab sessions in the semester as per academic calendar.
14. In 'Heat Transfer' course – the text book Holman JP should be moved to prescribed text books from reference text books.
15. In 'Engineering Fracture Mechanics' course – the contents of all the units contains many abbreviations recommended to write full form to maintain the clarity with the syllabus.
16. In 'Design of Automobile Transmission Systems' course – noticed few topics were already may be covered in Design subjects in earlier semesters so recommended to cross check and verify of if any.
17. In 'Mechanics and Manufacturing of Composite Materials' course – unit 5 with title 'Failure Theories' will be already covered in design courses so recommended that this can be replaced with any other important design topics.
18. In '3D Printing Lab' – recommended to incorporate the total cycle or the process of product printing with steps solid modelling – setting machine – printing – post processing etc. within the scope of all the experiments listed in the syllabus.
19. In 'Refrigeration & Air Conditioning' course – recommended to add a text book with foreign author.
20. In 'Mechatronics & MEMS' course – the mechatronics can be treated as a core course as it is trending and skill oriented subject.

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21. Recommended to swap PPE and NCSE courses in to another semester for consistency of the different streams.
22. Recommended to rename the course 'Non-Conventional Energy Sources' as 'Alternative energy sources'.
23. In 'Non-Destructive Testing' course – each unit contact hours are same as 8 hrs recommended to go through the depth of the content and justify the no. of contact hours.
24. All text books mentioning should start with 'Title – Author – Publisher – Latest Edition – Year – ISBN/ISSN'.
25. For all the laboratories recommended to rewrite and rename all the experiments names and starting words with suitable verbs like determine, evaluate, draw such that it suits with the process of the experiment and also as a question verb.

Item No 18.4: To consider and approve the panel of examiners for external examinations for the Academic Year 2025-26.

- The chairman presented the list of external examiners and subject experts to the members for approval. After discussions, it is resolved to include Ph.D. holders from the reputed institutions as examiners and subject experts. The list was ratified and appended in Annexure – II.

Item No 18.5: Any other item with the permission of chair.

- NIL

Dr. A. Hemantha Kumar, Chairman of the Board of Studies, proposed a Vote of Thanks. He extended his sincere gratitude to each BOS member for their active participation and valuable contributions to the course discussions.

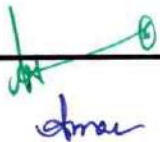

Chairman – BOS
Department of ME

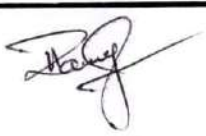
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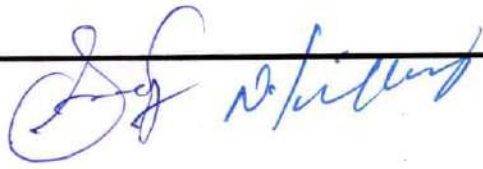
MS Teams Meeting Recording Link:

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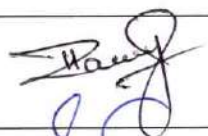
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Attendance of 18th BoS – Mechanical Engineering held on 21/06/2025 (Hybrid Mode) at AITS, Rajampet.

Sl. No.	Name of the Member	Designation	Signature
1	Dr. A. Hemantha Kumar, Professor & Head, Department of Mechanical Engineering,	Chair Person	
External Experts			
2	Dr. Hema Pothur, Professor & Head, Department of Mechanical Engineering, SVU College of Engineering,	Academic Experts	Attended Online
3	Dr. N. Venkaiah, Professor, Department of Mechanical Engineering, Indian Institute of Technology Tirupati.	Academic Experts	Attended Online
4	Prof. B. Durga Prasad, Professor, Department of Mechanical Engineering, JNTUA College of Engineering, Ananthapuramu.	University Nominee	Attended Online
5	Mr. R. Guravaiah, DEE, Rayalaseema Thermal Power Project, Muddanur.	Industry expert	Attended Online
6	Mr. D Mani Obul Reddy IT Analyst, Tata Consultancy Services, Bengaluru.	Meritorious Alumni	Attended Online
Internal Experts			
7	Mr. G. Amarnath, Assistant Professor, Department of Mechanical Engineering,	Machine Design Module	
8	Mr. C. Ramanjaneyulu, Assistant Professor, Department of Mechanical Engineering,	Thermal Engineering Module	
9	Dr. G. Suresh Babu, Assistant Professor, Department of Mechanical Engineering,	Production & Industrial Module	
10	Dr. N. Kishore Kumar Assistant Professor, Department of Mechanical Engineering,	CAD/CAM Module	



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Academic Year 2025-26

Meeting : Board of Studies – Electronics and Communication Engineering

Date and Time : 19th June 2025 at 10:00 AM

Venue : AITS, Rajampet.

Minutes of 18th Board of Studies- Electronics and Communication Engineering meeting held on 19th June 2025 at AITS, Rajampet.

Members Present:

S.No.	Name of the Board Member	Designation	Institute/Industry	Role
INTERNAL MEMBERS				
1.	Dr. CH. Nagaraju	Professor & Head Department of ECE	Annamacharya Institute of Technology & Sciences, Rajampet	Chairman
2.	Mrs. P. Syamala Devi	Assistant Professor Department of ECE	Annamacharya Institute of Technology & Sciences, Rajampet	Internal Member
3.	Mr. M. Hanumanthu	Assistant Professor Department of ECE	Annamacharya Institute of Technology & Sciences, Rajampet	Internal Member
4.	Dr. K. Shankar	Associate Professor Department of ECE	Annamacharya Institute of Technology & Sciences, Rajampet	Internal Member
5.	Dr. S. Fayaz Begum	Assistant Professor Department of ECE	Annamacharya Institute of Technology & Sciences, Rajampet	Internal Member
EXTERNAL EXPERT MEMBERS				
6.	Dr. K. Murali	Professor & Head,	Narayana Engineering College, Nellore	Member
7.	Dr. G. Srinivasulu	Professor	SV University, Tirupati	Member
8.	Mr. Vikas Reddy Rapuru	Director	Technotran, Hyderabad. Telangana.	Member

Members Absent:

S.No.	Name of the Board Member	Designation	Institute/Industry	Role
1.	Dr N.N Murthy	Professor, Dept. of ECE	IIT Tirupati.	Member
2.	Mr. Syed Javeed Basha	Design Verification Engineer	Smart SOC Pvt. Ltd, Bangalore, Karnataka.	Member



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Agenda:

Item No.	Particulars
BoS/2023/ECE/UG/18.1	Ratification of 17 th Board of Studies Meeting
BoS/2023/ECE/UG/18.2	Ratification of 17 th Board of Studies Action Taken Report
BoS/2023/ECE/UG/18.3	Discussion on the R23 III & IV B.Tech. course structure and syllabi
BoS/2023/ECE/UG/18.4	Discussion on New Courses Added in the New Regulation
BoS/2023/ECE/UG/18.5	Discussion on Contents Modification in the Regulation
BoS/2023/ECE/UG/18.6	Identification and Listing of External Examiners for 2025 – 26.
BoS/2023/ECE/UG/18.7	Any Other Item with the Permission of Chair

RESOLUTIONS

Welcome Address by chairman of BOS and Introduction of members

Chairman of the Board welcomed all the members of ECE- Board of Studies. He introduced External subject expert Dr. K. Murali, Professor, Professor & Head, Narayana Engineering College, Nellore, Outside subject expert, Dr. G. Srinivasulu, Professor, SV University, Tirupati, University Nominee and Industry Expert Mr. Vikas Reddy Rapuru, Director, Technotran Pvt. Ltd., Hyderabad, followed by internal board members. The agenda for the ECE -BOS meeting was then read and the forum was open for individual subject deliberations.

The chairman requested the members to give suggestions regarding the B.Tech detailed Syllabi of R23 Regulations in line with AICTE & APSCHE. After thorough discussion the following deliberations were made.

Item No. 18.1: Ratification of 17th Board of Studies Meeting

The chairman has presented the minutes of 17th Board of studies meeting of the department of ECE, Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet held on 12th July 2024 to be ratified. After deliberations and discussions the 17th BOS meeting minutes were ratified.

Item No. 18.2: Ratification of 17th Board of Studies action taken report.

The chairman has presented the action taken report of 17th BOS Meeting of department of ECE, Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet held on 12th July 2024 to be ratified. After deliberations and discussions the action taken report of 17th BOS meeting minutes were ratified.



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Item No. 18.3: Discussion on the R23 III & IV B.Tech. course structure and syllabi

The chairman presented the structure and syllabus of the R23 regulations and the discussions are elaborated in the following points below.

Item No. 18.4: Discussion on new courses added in the new regulation

The chairman presented briefly, about the new course to be replaced in III Year I -Semester for 'R23' regulations to the members for approval. After discussion with members, the new course VHDL Programming for III Year I Semester in place of PCB Design and Prototype development have been agreed upon and will be incorporated in the curriculum proposed. The list of new courses introduced in the III year I semester of B. Tech. curriculum were appended in Annexure-I.

Item No. 18.5: Discussion on Contents Modification in the Regulation

The chairman informed the members about the content's modification in the syllabus for few subjects, by considering the welfare and benefits of the students.

The chairman of BOS proposed to review the current syllabus of B.Tech R-23 regulations. The deliberations are provided below.

- a) Dr. K. Murali, Professor & Head, Narayana Engineering College, Nellore, suggested modifying the contents, if it is mandatorily required.
- b) Dr. G. Srinivasulu, Professor, SV University, Tirupati, agreed to swap the contents across the units.
- c) Mr. Vikas Reddy Rapuru, Director, Technotron Pvt. Ltd., suggested to include few more subjects under the Open Elective Course, offered by ECE to other branches.

Item No. 18.6: Identification and listing of external examiners.

The chairman of BOS presented the list of external examiners and subject experts to the members for approval. After discussions and deliberations, it is resolved to include Ph.D. holders from the reputed institutions as examiners and subject experts. The list was ratified and appended in Annexure-II.

Item No. 18.7: Any other item with the permission of chair

As all items on the agenda have been discussed and resolved, the chairman of the BOS concluded that there are no other items to be discussed.

The Chairman of BOS, Dr. CH. Nagaraju proposed the Vote of Thanks. He individually thanked the BOS Members for their committed participation in the discussions and for their valid input's to the



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course. He then thanked industry experts and other members of the board for their valuable involvement in the syllabus discussions.

CHAIRMAN-BOS
Department of ECE
AITS, Rajampet.



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

MEETING MINUTES

of

BOARD OF STUDIES

Minutes of 18th BOS Meeting

Online Mode

Date & Time

21.06.2025 & 10:30 am

ACADEMIC YEAR: 2025-26



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Ref. No.:/AITS/C SE/BOS-18/2025-26/MOM-18

Date: 21/06/2025

Department of Computer Science and Engineering 18th BoS Minutes of Meeting

The 18th meeting of the Board of Studies (BoS) for the Department of Computer Science and Engineering was held in hybrid mode on 21st June 2025 in Silicon lab of the CSE Block at 10:30 AM, with the following members of the board present.

Members Present:

Sl. No	Name	Affiliation	Role in BoS	Signature
1	Dr. M. Subba Rao	Professor & Head, Dept. of CSE, AITS, Rajampet, Ph: 9848885492 Email: msraoswap@gmail.com	Chairman	
2	Mrs. P.Swathi	Assistant Professor, Dept. of CSE, AITS, Rajampet, Ph: 9666625725 Email: 1260swathi@gmail.com	Member	
3	Mr.D.Subhash Chandra Mouli	Assistant Professor, Dept. of CSE, AITS, Rajampet Ph: 9640846838 Email: dschandramouli@gmail.com	Member	
4	Mr.C.Sasidhar	Assistant Professor, Dept. of CSE, AITS, Rajampet, Ph: 9848779497 csasidhar.ait@gmail.com	Member	
5	Mrs. G.I.K. Durga Bhavani	Assistant Professor, Dept. of CSE, AITS, Rajampet, Ph: 9642963818 bhavani.kurnool@mail.com	Member	
6	Dr. Madhu Mutyam	Professor in CSE, IIT Madras, Chennai, Ph: 9952982971 Email: madhu@cse.iitm.ac.in	Subject Expert	Attended Online
7	Dr. S. Ravi Chandra	Professor in CSE, NIT Warangal, Telangana, Ph. 8332969414 ravic@nitw.ac.in	Subject Expert	Attended Online
8	Dr.Ch.Sudhakar	Professor in CSE, NIT Warangal, Telangana, Ph: 9440647945 Email: ravic@nitw.ac.in	University Nominee	Attended Online
9	Mr.VenkataRao Lellapalli	Programme Manager, CAPGEMINI India Pvt.ltd., Hyderabad, Ph: 995974573 Email: venkata.rao.lellapalli@capgemini.com	Industry Expert	Attended Online



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Member Absent:

Sl.No	Name	Affiliation	Role in BoS	Signature
1	Mr.Palle Reddaiah	Team Lead, Kyndryl India Pvt.Ltd., Hyderabad, Telangana, Ph. 9052008787 palle.reddeiah@kyndryl.com	Alumni	Absent

Agenda of the Meeting:

Item No	Particulars
BoS/2025/CSE/1	Welcome and Introduction
BoS/2025/CSE/2	Confirmation of the Minutes of the 17 th Board of the Board of Studies held on 12.07.2024 and the action taken report of the same.
BoS/2025/CSE/3	Discussion on the R23 III & IV B. Tech course structure, with a detailed discuss on the III & IV Year syllabi.
BoS/2025/CSE/4	To consider and approve the panel of examiners for external examination for the Academic year 2025-26.
BoS/2025/CSE/5	Any other item with the permission of the Chair.

MINUTES OF THE MEETING

BoS/2025/CSE/1	Welcome and Introduction
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Welcome:

Dr. M. Subba Rao, Head, Department of Computer Science & Engineering has extended warm welcome to all the members.

Introduction:

Dr. M.Subba Rao expressed his gratitude for their continued support and valuable contributions toward strengthening the academic framework of the Department of Computer Science and Engineering.

Before proceeding with the day's agenda, he recalled the proceedings of the 17th Board of Studies Meeting held on 12th July 2024. He stated that the meeting had been a significant step in shaping the academic direction of the department, with several key items discussed and approved. These included the Vision and Mission statements, Program Educational Objectives, Program Outcomes, and Program Specific Outcomes, along with the R-23 II year course structures and syllabi for II B. Tech. CSE.



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Dr. M. Subba Rao informed the members that the minutes of the 18th meeting had been documented and circulated in advance for their review. He then requested the board to kindly confirm the minutes as recorded and invited any comments or suggestions for modification, if necessary.

BoS/2025/CSE/2	Confirmation of the Minutes of the 17 th Board of Studies held on 12.07.2024 and the action taken report of the same.
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Resolution:

The BOS Confirmed and approved 17th Board of Studies Meeting held on 12th July 2024
(The approved Minutes of Meeting is enclosed in the Annexure-I.)

BoS/2025/CSE/3	Discussion on the R-23 III & IV B. Tech course structure, with a detailed discuss on the III & IV Year syllabi.
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Resolution:

The Board of Studies (BoS) convened to review, discuss, and finalize the proposed course structure and syllabus for the II-B.Tech. program under the AITS R-23 Regulations. The board conducted a detailed evaluation of the curriculum, with particular focus on academic progression, relevance to current industry needs, and alignment with program outcomes.

During the discussion, Dr. Madhu Muthyam, External Subject Expert from IIT, emphasized the importance of introducing contemporary subjects such as Agile Methodologies and Metaverse at an earlier stage in the curriculum. He noted that early exposure to these emerging areas would deepen students' understanding of core computing principles and better equip them to tackle advanced topics, particularly those related to distributed computing and industry-aligned practices. Taking this into consideration, the Board unanimously approved the revised course structure and syllabus for III B. Tech under the AITS R-23 Regulations. The BoS further recommended that the finalized version be submitted to the Academic Council for ratification and be implemented from the academic year 2025-26.

The BOS has approved the following replacements in the curriculum under Elective-I and Elective-II slots as per the following.

Semester	Current Elective	Proposed Replacement	Elective Slot
III B. Tech. I sem.	Microprocessors and Microcontrollers	Human Computer Interaction	Elective-I
III B. Tech. I sem.	Embedded Systems Design	Data Sciences	Elective-II

Justification for Change

- **Microprocessors and Microcontrollers** and **Embedded Systems Design** are more hardware-oriented and are already offered in core subjects or as open electives for relevant branches like ECE/EEE.



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- **Human Computer Interaction (HCI)** is more aligned with modern software design trends, UX/UI, and cognitive aspects of computing which are relevant to CSE students.
- **Data Sciences** is a foundational and fast-growing area in Computer Science. Introducing this as an elective aligns with current industry demand and supports specialization tracks in AI, ML, and analytics

The Course Structure and Syllabus for III, IV-B. Tech is enclosed in the **Annexure-II**

BoS/2025/CSE/4	To consider and approve the panel of examiners for external examination for the Academic year 2025-26.
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Resolution:

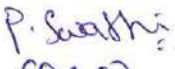
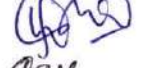
BOS Approved the List of Examiners for second-year Courses/Subjects. The list of Examiners is attached in the **Annexure-III**

BoS/2025/CSE/5	Any other item with the permission of the Chair.
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Resolution: NIL


Dr. M. Subba Rao
Chairman-BOS-CSE
AITS, Rajampet.

Internal Members:

- | | |
|--------------------------------|---|
| 1. Mrs. P. Swathi | -  |
| 2. Mr. D.Subhash Chandra Mouli | -  |
| 3. Mr.C.Sasidhar | -  |
| 4. Mrs.G.I.K.Durga Bhavani | -  |



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & sCIENCES

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Department of

Computer Science and Engineering (Artificial Intelligence)

Minutes of BOS Meeting

Date & Time

19th June, 2025. 10:30 AM



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & sCIENCES

Thallapaka Panchayath, New Boyanapalli, Rajampet, Annamayya Dist., A.P. – 516126

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MINUTES OF BOARD OF STUDIES

The meeting of the Computer Science and Engineering (Artificial Intelligence) held on 19th June, 2025. 10:30 AM in online mode to discuss the course structure of the B. Tech Computer Science and Engineering (Artificial Intelligence). The following members were present for the BoS meeting:

S. No.	Name of the Board Member	Designation	Institute/Industry	Role
INTERNAL MEMBERS				
1	Dr.T.Harikrishna	Associate Professor & HOD Department of AIML	Annamacharya Institute Of Technology And Sciences	Chairman
2	Dr. S.Surekha	Assistant Professor Department of AIML	Annamacharya Institute Of Technology And Sciences	Member
3	Mr.N.Siva	Assistant Professor Department of AIML	Annamacharya Institute Of Technology And Sciences	Member
EXTERNAL EXPERT MEMBERS				
4	Dr.C.Nagaraju	Professor Dept. of CSE	YSR Engineering College, Yogi Vemana University, Proddatur .	Member
5	Dr.B.Srinavasa Rao	Professor	HCU,Hyderabad	Member
6	Dr.K.Usha Rani	Professor Dept. of CSE	Padmavathi Mahila University ,Tirupathi	Member
7	Mr.Praveen Bandaru	Consultant	Sony India private limited ,Bangalore	Member
8	Mr. L. Gangadhar	Senior Software Developer	ZeQ (Zen Quality Assurance Hyderabad	Member



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Agenda of the Meeting

Item No	Particulars
Item No: 01-BOS-CSE(AI)-18	Confirmation of the minutes of the 17th meeting of the Board of Studies held on 12.07.2024 and the action taken report of the same.
Item No: 02-BOS-CSE(AI)-18	Discussion on the R23 III & IV B.Tech. Course structure, with a detailed discussion on the III & IV year syllabi.
Item No: 03-BOS-CSE(AI)-18	To consider and approve the panel of examiners for external examinations for the Academic Year 2025-26.
Item No: 03-BOS-CSE(AI)-18	Any other item with the permission of the Chair.
Item No: 01-BOS-CSE(AI)-18	Confirmation of the minutes of the 17th meeting of the Board of Studies held on 12.07.2024 and the action taken report of the same.

Minutes of the meeting:

Confirmation of the minutes of the 17th meeting of the Board of Studies held on 12.07.2024 and the action taken report of the same

Dr. T.Harikrishna expressed his gratitude for their continued support and valuable contributions toward strengthening the academic framework of the Department of Computer Science and Engineering (Artificial Intelligence).

Before proceeding with the day's agenda, he recalled the proceedings of the 17th Board of Studies Meeting held on 12th August 2024. He stated that the meeting had been a significant step in shaping the academic direction of the department, with several key items discussed and approved.

Annexure-1

Item No: 02-BOS-18 Discussion on the R23 III & IV B.Tech. course structure, with a detailed discussion on the III & IV year syllabi..

Resolution

The Board of Studies (BoS) convened to review, discuss, and finalize the proposed course structure and syllabus for the R23 II, III and IV B.Tech. program. The board conducted a detailed evaluation of the curriculum, with particular focus on academic progression, relevance to current industry needs, and alignment with program outcomes.

During the discussion, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad recommended that the course deep Learning III B.Tech and modification in Graph Neural Networks.Dr.C.Nagaraju YVU proddaturu emphasized that the change of title of the some subjects and change of content in the full stack development and AI Health care With this modification, the Board unanimously approved the revised course structure and syllabus for R23 II, III and IV-B.Tech Regulations.

During the discussion, Dr.K.Usha Rani, Subject Expert Padmavathi Mahila University, Tirupathi, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended to remove repeated topics in Deep Learning and Predictive Analysis or if any from the entire syllabus and also Text Books should latest version of publication.



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During the discussion, Dr.T.Harikrishna, Chairman Annamacharya Institute of Technology and Sciences, Rajampet, recommended to change subject in III B.Tech I Semester Introduction to Machine Learning to Advanced Machine Learning suggested.

During the discussion, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended Introduction to Deep Learning should be Professional Core subject instead of Elective subject and the hierarchy should be followed as Machine Learning, Deep Learning. Dr.T.Harikrishna, Chairman, Annamacharya Institute of Technology and Sciences, Rajampet, suggested already studied Machine Learning in II B.Tech II Semester so we discussed to change Advanced Machine Learning subject to Professional Core subject made it into Introduction to Deep Learning in III B.Tech II Semester.

During the discussion, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended Operating Systems subject should be included in Professional Core as it is in GATE Syllabus. So, Dr.T.Harikrishna, Chairman, Annamacharya Institute of Technology and Sciences, Rajampet, recommended adding Professional Elective 5 as Operating Systems & System Programming in III B.Tech I Semester.

During the discussion, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended to change subject title from Healthcare in AI to AI in Healthcare.

Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad recommended that the course deep Learning III B.Tech and modification in Graph Neural Networks, Computer Vision Dr.C.Nagaraju YVU proddaturu emphasized that the change of title of the some subjects and change of content in the full stack development and AI Health care With this modification, the Board unanimously approved the revised course structure and syllabus for R23 II,III and IV-B.Tech Regulations.

During the discussion, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended instead of multiple subjects merged in one separate subject should be there for Honors instead of Deep Learning & Neural Network Architectures it should be either Deep Learning or Neural Network Architecture Dr.T.Harikrishna, Chairman, Annamacharya Institute of Technology and Sciences, Rajampet, recommended to use Deep Learning.

During the discussion, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended instead of multiple subjects merged in one separate subject should be there for Honors instead of Reinforcement Learning & Autonomous Systems it should be Reinforcement Learning Dr.T.Harikrishna, Chairman, Annamacharya Institute of Technology and Sciences, Rajampet, recommended to include Reinforcement Learning.



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Annexure-II

Course Structure & Syllabus

Item No: 03-BOS-18 To consider and approve the panel of examiners for external examinations for the Academic Year 2025-26.

Resolution:

BOS Approved the List of Examiners for II, III, IV B.Tech Courses/Subjects

Annexure-III

Item No: 03-BOS-18 Any other item with the permission of the Chair.

Resolution:

NIL

The Chairman thanked all the members for their valuable input and the meeting was concluded.

Dr.T.Harikrishna
Chairman-BOS-AIML
AITS, Rajampet.

Internal Members:

1. Dr.S.Surekha -

2. Mr.N.Siva -



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Department of

Artificial Intelligence and Machine Learning

Minutes of BOS Meeting

Venue

Online Mode

Date & Time

13th July, 2024. 11:30 AM



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Thallapaka Panchayath, New Boyanapalli, Rajampet, Annamayya Dist., A.P. – 516126

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MINUTES OF BOARD OF STUDIES

The meeting of the Computer Science and Engineering (Artificial Intelligence) held on 218th June, 2023. 11:30 AM in online mode to discuss the course structure of the B. Tech Artificial Intelligence & Machine Learning. The following members were present for the BoS meeting:

S. No.	Name of the Board Member	Designation	Institute/Industry	Role
INTERNAL MEMBERS				
1	Dr.T.Harikrishna	Associate Professor & HOD Department of AIML	Annamacharya Institute Of Technology And Sciences	Chairman
2	Dr.J.Krishna	Associate Professor Department of AIML	Annamacharya Institute Of Technology And Sciences	Member
EXTERNAL EXPERT MEMBERS				
3	Dr.R.B.V.Subramanyam	Professor Dept. of CSE	NIT Warangal.	Member
4	Dr.N.Geethangali	Professor & Head	SK University, Anantapuramu	Member
5	Dr.M.Hanumanthappa	Professor Dept. of CSE	Bangalore University Bangalore Karnataka	Member
5	Dr. C. Nagaraju	Professor	Dean of Engineering, YSR Engineering College, Yogi Vemana University, Proddatur.	Member
7	Mr. B.S. Harinath Reddy	Solution Architect	HCL Technologies, Bangalore	Industry Expert
8	Mr. L. Gangadhar	Senior Software Developer	ZeQ (Zen Quality Assurance), Hyderabad	Alumni



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AGENDA OF THE MEETING

Item No	Particulars
Item No: 01-BOS-AIML-17	Welcome and Introduction
Item No: 02-BOS-AIML-17	Discussion and Finalization of Course Structure and Syllabus for II,III and IV B.Tech. Artificial Intelligence and Machine Learning.
Item No: 03-BOS-AIML-17	To approve the list of examiners for II ,III and IV courses/subjects
Item No: 03-BOS-AIML-17	Syllabus Modifications should communicate through mail to all the members

Minutes of the meeting:

Item No: 01-BOS-AIML-17 Welcome and Introduction

Dr.T.Harikrishna expressed his gratitude for their continued support and valuable contributions toward strengthening the academic framework of the Department of Artificial Intelligence and Machine Learning.

Dr. T.Harikrishna informed the members that the minutes of the previous meeting had been documented and circulated in advance for their review. He then requested the board to kindly confirm the minutes as recorded and invited any comments or suggestions for modification, if necessary

Item No: 02-BOS-AIML-17 Discussion and Finalization of Course Structure and Syllabus for II,III and IV B.Tech. Artificial Intelligence and Machine Learning.

Resolution

The Board of Studies (BoS) convened to review, discuss, and finalize the proposed course structure and syllabus for the II,III and IV B.Tech program. The board conducted a detailed evaluation of the curriculum, with particular focus on academic progression, relevance to current industry needs, and alignment with program outcomes



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During the discussion, Dr. R.B.V.Subramanyam, Subject Expert from NIT waragal, recommended that the course "Statistics for machine learning" in III B.Tech and Scalable Architecture for ML " be included in the IV B.Tech I Semester curriculum. He emphasized that introducing this subject at an earlier stage would enhance students' understanding of core computing concepts and better prepare them for advanced topics and industry requirements related to Machine learning. With this modification, the Board unanimously approved the revised course structure and syllabus for II,III and IV-B.Tech Regulations.

Item No: 03-BOS-AIML-17 To approve the list of examiners for II,III and IV courses/subjects

Resolution:

BOS Approved the List of Examiners for II, III, IV B.Tech Courses/Subjects

Item No: 03-BOS-17 Syllabus Modifications should communicate through mail to all the members.

Resolution:

The chairmen BOS approved and accepted to notify all the modifications through e-mail to all the members.

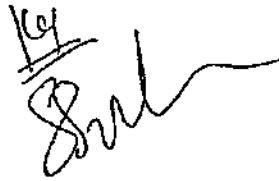
The Chairman thanked all the members for their valuable input and the meeting was concluded.

Agenda Item	Action Taken
1.Discussion and Finalization of the Course Structure and Syllabus for II, III, and IV B.Tech AIML	Revised course structures and syllabi for II, III, and IV B.Tech AIML were thoroughly discussed and finalized based on suggestions from BoS members. Final versions were documented and archived for implementation.
2. Approval of the List of Examiners for II, III, and IV AIML Courses	The proposed list of subject-wise examiners was reviewed, minor modifications were made based on feedback, and the list was approved unanimously.
3. Communication of Syllabus Modifications via Email	All syllabus modifications and finalized documents were compiled and officially communicated to all BoS members via departmental email.


Dr.T.Harikrishna
Chairman-BOS-AIML
AITS, Rajampet.

Internal Members:

1. Dr.J.Krishna
2. Mrs.S.Surekha





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Artificial Intelligence and Data Science, Computer Science & Engineering (Data Science)

Date: 25-06-2025

Following are the list of B.o.S members attended to 18th Board of Studies meeting held on 21-06-2025 in the in Hybrid Mode ,Microsoft teams for the departments of **Artificial Intelligence & Data Science, Computer Science and Engineering(Data Science)**, AITS, Rajampet.

S.No.	Name of the Member	Account Details	Present/Absent
1	Ex-officio Dr. P Phanindra Kumar Reddy Professor & Head Dept. of AI&DS, A.I.T.S. Rajampet.	Internal Members	Present
2	Internal Member Mr. S Ashok Kumar Assistant Professor, Dept. of AI&DS, A.I.T.S, Rajampet.		
3	Internal Member Mr. B Venkatesu Goud Assistant Professor, Dept. of AI&DS, A.I.T.S, Rajampet.		
4	Outside Subject Expert Dr. V C Bharathi , Professor, VIT-AP University, Amaravati, Andhra Pradesh, India Phone:+91 96007 08416, Email:bharathi.vc@vitap.ac.in	Indian Bank Account details: Acco.No: 735353495 Name: V.C.Bharathi Bank name: Indian Bank Branch name: AEC, Tiruvannamalai, Tamilnadu IFSC Code: IDIB000A127	Present
5	Outside Subject Expert Dr. B. R. Chandavarkar , Associate Professor, NITK,Surathkal E-mail: bre@nitk.edu.in, brenitk@gmail.com Telephone 0824- 2473408	Bank: SBI, Branch: NITK, Name: B R Chandavarkar, Acc. No.: 30293116030, IFSC: SBIN0002273.	Present
6	University Nominee Dr. R. Rajasekhra Professor Dept. of CSE, JNTUA, Anantapuramu Ph. 9966660226. Mail: drasharaj2002@gmail.com	Details Submitted to office	Present
7	Industry Expert: Varun Kumar Reddy Gangu , Designation: Software Architect Company Name: ICE data services Email id: varunkumarreddy.gangu@ice.com Mobile: +91 7674946949	Bank: SBI Branch: BHEL TOWNSHIP HYDERABAD Name: Varun Kumar Reddy Gangu Account No.: 62248649611 IFSC: SBIN0020075	Present
8	Alumni Member: B. Krishna Reddy , Mobile: +91 6302272347, Email: soulkittu6666@gmail.com	Bank: HDFC Branch: NGO COLONY CUDDAPAH Name: BOVILLA KRISHNA REDDY Account No. 50100666280208 IFSC:HDFC0008162	Absent

HoD - AI&DS
BoS Chairman

Head of the Department
Artificial Intelligence & Data Science
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
(Autonomous)
RAJAMPET- 516 126, Kadapa Dist



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Agenda of the Meeting:

Item No	Particulars
BoS/2025/ CSE(DS)//1	Welcome and Introduction
BoS/2025/ CSE(DS)//2	Confirmation of the Minutes of the 17th Board of Studies Meeting
BoS/2025/ CSE(DS)//3	Discussion and Finalization of Course Structure for III, IV-B.Tech. under R23 Regulations
BoS/2025/ CSE(DS)//4	Discussion and Finalization of Syllabus for III, IV-B.Tech. under R23 Regulations
BoS/2025/ CSE(DS)//5	To approve the list of examiners for III, IV-B.Tech courses/subjects
BoS/2025/ CSE(DS)//6	Any other item with permission of the Chair

MINUTES OF THE MEETING

BoS/2025/CSE(DS)/1	Welcome and Introduction
--------------------	--------------------------

Welcome:

Dr. P Phanindra Kumar Reddy, Head, Department of Computer Science and Engineering (Data Science) has extended warm welcome to all the members.

Introduction:

Dr. P Phanindra Kumar Reddy expressed his gratitude for their continued support and valuable contributions toward strengthening the academic framework of the Department of Computer Science and Engineering (Data Science).

Before proceeding with the day's agenda, he recalled the proceedings of the 17th Board of Studies Meeting held on 12th July 2024. He stated that the meeting had been a significant step in shaping the academic direction of the department, with several key items discussed and approved.

Dr. P Phanindra Kumar Reddy informed the members that the minutes of the 17th meeting had been documented and circulated in advance for their review. He then requested the board to kindly confirm the minutes as recorded and invited any comments or suggestions for modification, if necessary.

BoS/2025/ CSE(DS)/2	Confirmation of the Minutes of the 17 th Board of Studies Meeting
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Resolution:



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Thallapaka Panchayath, New Boyanapalli, Rajampet, Annamayya Dist., A.P. - 518126

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The BOS Confirmed and approved of Computer Science and Engineering (Data Science) Department's 17th Board of Studies Meeting held on 12th July 2024.

The list is enclosed in the Annexure-I.

BoS/2025/CSE(DS)/3	Discussion and Finalization of Course Structure for III, IV -B.Tech. under R23 Regulations
--------------------	--

Resolution:

The Board of Studies (BoS) convened to review, discuss, and finalize the proposed course structure for the III, IV -B.Tech. under R23 Regulations. The board conducted a detailed evaluation of the curriculum, with particular focus on academic progression, relevance to current industry needs, and alignment with program outcomes.

The Course Structure for III,IV -B.Tech is attached in the Annexure-II

BoS/2025/CSE(DS)/4	Discussion and Finalization of Syllabus for III, IV -B.Tech. under R23 Regulations
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Resolution:

During the discussion in the Board of Studies, **Dr. R Rajasekhar**, Professor, CSE Department, JNTUA, recommended that if there is a subject with a common name but different syllabus, the subject name should be changed and a different subject code should be assigned to it.

(is attached in the Annexure-III)

Dr. V C Bharathi, Professor, VIT-AP University, recommended that the curriculum should include the prerequisites for each subject.

Accordingly, the BoS approved the inclusion of these elements in the curriculum and recommended their effective implementation.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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BoS/2025/CSE(DS)/5

To approve the list of examiners for III, IV-B.Tech courses/subjects

Resolution:

BOS Approved the List of Examiners for III, IV-B.Tech Courses/Subjects.

The list of Examiners is attached in the Annexure-IV

BoS/2025/CSE(DS)/6

Any other item with permission of the Chair

Resolution:

NIL

TP Shan
Dr. P Phanindra Kumar Reddy
Chairman-BoS- CSE(DS),
AITS, Rajampet.

Internal Members:

1. Dr. P Phanindra Kumar Reddy
2. Mr. S Ashok Kumar
3. Mr. B Venkatesu Goud

TP Shan
- *TP Shan*
- *TP Shan*
- *TP Shan*

Head of the Department
Artificial Intelligence & Data Science
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
(Autonomous)
RAJAMPET- 516 126, Kadapa Dist



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Artificial Intelligence and Data Science, Computer Science & Engineering (Data Science)

Date: 25-06-2025

Following are the list of B.o.S members attended to 18th Board of Studies meeting held on 21-06-2025 in the in Hybrid Mode, Microsoft teams for the departments of Artificial Intelligence & Data Science, Computer Science and Engineering(Data Science), AITS, Rajampet.

S.No.	Name of the Member	Account Details	Present/Absent
1	Ex-officio Dr. P Phanindra Kumar Reddy Professor & Head Dept. of AI&DS, A.I.T.S. Rajampet.	Internal Members	Present
2	Internal Member Mr. S Ashok Kumar Assistant Professor, Dept. of AI&DS, A.I.T.S. Rajampet.		
3	Internal Member Mr. B Venkatesu Goud Assistant Professor, Dept. of AI&DS, A.I.T.S. Rajampet.		
4	Outside Subject Expert Dr. V C Bharathi, Professor, VIT-AP University, Amaravati, Andhra Pradesh, India Phone:+91 96007 08416, Email:bharathi_vc@vitap.ac.in	Indian Bank Account details: Acco.No: 735353495 Name: V.C.Bharathi Bank name: Indian Bank Branch name: AEC, Tiruvannamalai,Tamilnadu IFSC Code: IDIB000A127	Present
5	Outside Subject Expert Dr. B. R. Chandavarkar, Associate Professor, NITK,Surathkal E-mail: bre@nitk.edu.in, brenitk@gmail.com Telephone: 0824- 2473408	Bank: SBI, Branch: NITK, Name: B R Chandavarkar, Acc. No.: 30293116030, IFSC: SBIN0002273.	Present
6	University Nominee Dr. R. Rajasekhra Professor Dept. of CSE, JNTUA, Anantapuramu Ph. 9966660226. Mail: drasharaj2002@gmail.com	Details Submitted to office	Present
7	Industry Expert: Varun Kumar Reddy Gangu, Designation: Software Architect Company Name: ICE data services Email id: varunkumarreddy.gangu@ice.com Mobile: +91 7674946949	Bank: SBI Branch: BHEL TOWNSHIP HYDERABAD Name: Varun Kumar Reddy Gangu Account No.: 62248649611 IFSC: SBIN0020075	Present
8	Alumni Member: B. Krishna Reddy, Mobile: +91 6302272347, Email: soulkittu6666@gmail.com	Bank: HDFC Branch: NGO COLONY CUDDAPAH Name: BOVILLA KRISHNA REDDY Account No.:50100666280208 IFSC:HDFC0008162	Absent

[Signature]
HoD- AI&DS
BoS Chairman

Head of the Department
Artificial Intelligence & Data Science
ANNAMACHARYA INSTITUTE
TECHNOLOGY & SCIENCES
(Autonomous)
RAJAMPET- 516 126, Kadapa Dist.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Thallapaka Panchayath, New Boyanapalli, Rajampet, Annamayya Dist., A.P. – 516126
(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU Anantapur, Anantapuramu)

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Meeting: Board of Studies- Artificial Intelligence and Data Science.

Date and Time: 21-06-2025

Venue: AITS, Rajampet and Online (Microsoft Teams)

Minutes of 18th Board of Studies- Artificial Intelligence and Data Science meeting held on 21st June 2025 in Online (Microsoft Teams)/offline.

Members Present:

- | | | |
|--------------------------------|---|----------|
| 1. Dr. P Phanindra Kumar Reddy | - | Chairman |
| 2. Mr. S Ashok Kumar | - | Member |
| 3. Mr. B Venkatesu Goud | - | Member |
| 4. Dr. V.C. Bharathi | - | Member |
| 5. Dr. B.R. Chandavarkar | - | Member |
| 6. Dr. R. Rajasekhar | - | Member |
| 7. Mr. Varun Kumar Reddy Gangu | - | Member |

Members Absent:

- | | | |
|-------------------------|---|--------|
| 1. Mr. B. Krishna Reddy | - | Member |
|-------------------------|---|--------|

Agenda of the Meeting:

Item No	Particulars
BoS/2025/AI&DS/1	Welcome and Introduction
BoS/2025/ AI&DS /2	Confirmation of the Minutes of the 17th Board of Studies Meeting
BoS/2025/ AI&DS /3	Discussion and Finalization of Course Structure for III, IV-B.Tech. under R23 Regulations
BoS/2025/ AI&DS /4	Discussion and Finalization of Syllabus for III, IV-B.Tech. under R23 Regulations
BoS/2025/ AI&DS /5	To approve the list of examiners for III, IV-B.Tech courses/subjects
BoS/2025/ AI&DS /6	Any other item with permission of the Chair

MINUTES OF THE MEETING

BoS/2025/AI&DS/1	Welcome and Introduction
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Welcome:

Dr. P Phanindra Kumar Reddy, Head, Department of Artificial Intelligence and Data Science has extended warm welcome to all the members.



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Introduction:

Dr. P Phanindra Kumar Reddy expressed his gratitude for their continued support and valuable contributions toward strengthening the academic framework of the Department of Artificial Intelligence and Data Science.

Before proceeding with the day's agenda, he recalled the proceedings of the 17th Board of Studies Meeting held on 12th July 2024. He stated that the meeting had been a significant step in shaping the academic direction of the department, with several key items discussed and approved.

Dr. P Phanindra Kumar Reddy informed the members that the minutes of the 17th meeting had been documented and circulated in advance for their review. He then requested the board to kindly confirm the minutes as recorded and invited any comments or suggestions for modification, if necessary.

BoS/2025/ AI&DS/2	Confirmation of the Minutes of the 17 th Board of Studies Meeting
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Resolution:

The BOS Confirmed and approved Artificial Intelligence and Data Science Department's 17th Board of Studies Meeting held on 12th July 2024.

The list is enclosed in the Annexure-I.

BoS/2025/ AI&DS /3	Discussion and Finalization of Course Structure for III, IV -B.Tech. under R23 Regulations
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Resolution:

The Board of Studies (BoS) convened to review, discuss, and finalize the proposed course structure for the III, IV -B.Tech. under R23 Regulations. The board conducted a detailed evaluation of the curriculum, with particular focus on academic progression, relevance to current industry needs, and alignment with program outcomes.

The Course Structure for III,IV -B.Tech is attached in the Annexure-II

BoS/2025/ AI&DS /4	Discussion and Finalization of Syllabus for III, IV -B.Tech. under R23 Regulations
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Resolution:

During the discussion in the Board of Studies, Dr. R Rajasekhara, Professor, CSE Department, JNTUA, recommended that if there is a subject with a common name but different syllabus, the subject name should be changed and a different subject code should be assigned to it.

(is attached in the Annexure-III)

Dr. V C Bharathi, Professor, VIT-AP University, recommended that the curriculum should include the prerequisites for each subject.

Accordingly, the BoS approved the inclusion of these elements in the curriculum and recommended their effective implementation.

BoS/2025/ AI&DS /5	To approve the list of examiners for III, IV-B.Tech courses/subjects
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Resolution:

BOS Approved the List of Examiners for III, IV-B.Tech Courses/Subjects.

The list of Examiners is attached in the Annexure-IV

BoS/2025/ AI&DS /6	Any other item with permission of the Chair
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Resolution:

NIL

Internal Members:

1. Dr. P Phanindra Kumar Reddy
2. Mr. S Ashok Kumar
3. Mr. B Venkatesu Goud

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- *[Handwritten signature]*

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Dr. P Phanindra Kumar Reddy
Chairman-BoS-AI&DS,
AITS, Rajampet

Head of the Department
Artificial Intelligence & Data Science
ANNAMACHARYA INSTITUTE OF
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Department of

Artificial Intelligence and Machine Learning

Minutes of BOS Meeting

Date & Time

19th June, 2025. 10:30 AM



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & sCIENCES

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MINUTES OF BOARD OF STUDIES

The meeting of the Artificial Intelligence and Machine Learning held on 19th June, 2025. 10:30 AM in online mode to discuss the course structure of the B. Tech Artificial Intelligence & Machine Learning. The following members were present for the BoS meeting:

S. No.	Name of the Board Member	Designation	Institute/Industry	Role
INTERNAL MEMBERS				
1	Dr.T.Harikrishna	Associate Professor & HOD Department of AIML	Annamacharya Institute Of Technology And Sciences	Chairman
2	Dr. S.Surekha	Assistant Professor Department of AIML	Annamacharya Institute Of Technology And Sciences	Member
3	Mr.N.Siva	Assistant Professor Department of AIML	Annamacharya Institute Of Technology And Sciences	Member
EXTERNAL EXPERT MEMBERS				
4	Dr.C.Nagaraju	Professor Dept. of CSE	YSR Engineering College, Yogi Vemana University, Proddatur .	Member
5	Dr.B.Srinavasa Rao	Professor	HCU,Hyderabad	Member
6	Dr.K.Usha Rani	Professor Dept. of CSE	Padmavathi Mahila University ,Tirupathi	Member
7	Mr.Praveen Bandaru	Consultant	Sony India private limited ,Bangalore	Member
8	Mr. L. Gangadhar	Senior Software Developer	ZeQ (Zen Quality Assurance Hyderabad	Member



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Agenda of the Meeting

Item No	Particulars
Item No: 01-AIML-BOS-18	Confirmation of the minutes of the 17th meeting of the Board of Studies held on 12.07.2024 and the action taken report of the same.
Item No: 02-AIML-BOS-18	Discussion on the R23 III & IV B.Tech. Course structure, with a detailed discussion on the III & IV year syllabi.
Item No: 03-AIML-BOS-18	To consider and approve the panel of examiners for external examinations for the Academic Year 2025-26.
Item No: 03-AIML-BOS-18	Any other item with the permission of the Chair.

Minutes of the meeting:

Confirmation of the minutes of the 17th meeting of the Board of Studies held on 12.07.2024 and the action taken report of the same

Dr. T.Harikrishna expressed his gratitude for their continued support and valuable contributions toward strengthening the academic framework of the Department of Artificial Intelligence and Machine Learning.

Before proceeding with the day's agenda, he recalled the proceedings of the 17th Board of Studies Meeting held on 12th August 2024. He stated that the meeting had been a significant step in shaping the academic direction of the department, with several key items discussed and approved.

Annexure-1

Item No: 02-BOS-18 Discussion on the R23 III & IV B.Tech. course structure, with a detailed discussion on the III & IV year syllabi..

Resolution

The Board of Studies (BoS) convened to review, discuss, and finalize the proposed course structure and syllabus for the R23 II,III and IV B.Tech. program. The board conducted a detailed evaluation of the curriculum, with particular focus on academic progression, relevance to current industry needs, and alignment with program outcomes.

During the discussion, Dr.B.Sreenivasa Rao , Subject Expert HCU Hyderabad recommended that the course deep Learning III B.Tech and modification in Graph Neural Networks.Dr.C.Nagaraju YVU proddaturu emphasized that the change of title of the some subjects and change of content in the full stack development and AI Health care With this modification, the Board unanimously approved the revised course structure and syllabus for R23 II,III and IV-B.Tech Regulations.

During the discussion, Dr.K.Usha Rani, Subject Expert Padmavathi Mahila University, Tirupathi, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended to remove repeated topics in Deep Learning and Predictive Analysis or if any from the entire syllabus and also Text Books should latest version of publication.



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During the discussion, Dr.T.Harikrishna, Chairman Annamacharya Institute of Technology and Sciences, Rajampet, recommended to change subject in III B.Tech I Semester Introduction to Machine Learning to Advanced Machine Learning suggested.

During the discussion, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended Introduction to Deep Learning should be Professional Core subject instead of Elective subject and the hierarchy should be followed as Machine Learning, Deep Learning. Dr.T.Harikrishna, Chairman, Annamacharya Institute of Technology and Sciences, Rajampet, suggested already studied Machine Learning in II B.Tech II Semester so we discussed to change Advanced Machine Learning subject to Professional Core subject made it into Introduction to Deep Learning in III B.Tech II Semester.

During the discussion, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended Operating Systems subject should be included in Professional Core as it is in GATE Syllabus. So, Dr.T.Harikrishna, Chairman, Annamacharya Institute of Technology and Sciences, Rajampet, recommended adding Professional Elective 5 as Operating Systems & System Programming in III B.Tech I Semester.

During the discussion, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended to change subject title from Healthcare in AI to AI in Healthcare.

Dr.B.Sreenivasa Rao , Subject Expert HCU Hyderabad recommended that the course deep Learning III B.Tech and modification in Graph Neural Networks, Computer Vision Dr.C.Nagaraju YVU proddaturu emphasized that the change of title of the some subjects and change of content in the full stack development and AI Health care With this modification, the Board unanimously approved the revised course structure and syllabus for R23 II,III and IV-B.Tech Regulations.

During the discussion, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended instead of multiple subjects merged in one separate subject should be there for Honors instead of Deep Learning & Neural Network Architectures it should be either Deep Learning or Neural Network Architecture Dr.T.Harikrishna, Chairman, Annamacharya Institute of Technology and Sciences, Rajampet, recommended to use Deep Learning.

During the discussion, Dr.B.Sreenivasa Rao, Subject Expert HCU Hyderabad and Dr.C.Nagaraju YVU proddaturu recommended instead of multiple subjects merged in one separate subject should be there for Honors instead of Reinforcement Learning & Autonomous Systems it should be Reinforcement Learning Dr.T.Harikrishna, Chairman, Annamacharya Institute of Technology and Sciences, Rajampet, recommended to include Reinforcement Learning.



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Annexure-II

Course Structure & Syllabus

Item No: 03-BOS-18 To consider and approve the panel of examiners for external examinations for the Academic Year 2025-26.

Resolution:

BOS Approved the List of Examiners for II, III, IV B.Tech Courses/Subjects

Annexure-III

Item No: 03-BOS-18 Any other item with the permission of the Chair.

Resolution:

NIL

The Chairman thanked all the members for their valuable input and the meeting was concluded.

Dr.T.Harikrishna
Chairman-BOS-AIML
AITS, Rajampet.

Internal Members:

1. Dr.S.Surekha -

2. Mr.N.Siva -



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Department of

Artificial Intelligence and Machine Learning

Minutes of BOS Meeting

Venue

Online Mode

Date & Time

13th July, 2024. 11:30 AM



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & sCIENCES

Thallapaka Panchayath, New Boyanapalli, Rajampet, Annamayya Dist., A.P. – 516126

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MINUTES OF BOARD OF STUDIES

The meeting of the Computer Science and Engineering (Artificial Intelligence) held on 218th June, 2023. 11:30 AM in online mode to discuss the course structure of the B. Tech Artificial Intelligence & Machine Learning. The following members were present for the BoS meeting:

S. No.	Name of the Board Member	Designation	Institute/Industry	Role
INTERNAL MEMBERS				
1	Dr.T.Harikrishna	Associate Professor & HOD Department of AIML	Annamacharya Institute Of Technology And Sciences	Chairman
2	Dr.J.Krishna	Associate Professor Department of AIML	Annamacharya Institute Of Technology And Sciences	Member
EXTERNAL EXPERT MEMBERS				
3	Dr.R.B.V.Subramanyam	Professor Dept. of CSE	NIT Warangal.	Member
4	Dr.N.Geethangali	Professor & Head	SK University, Anantapuramu	Member
5	Dr.M.Hanumanthappa	Professor Dept. of CSE	Bangalore University Bangalore Karnataka	Member
5	Dr. C. Nagaraju	Professor	Dean of Engineering, YSR Engineering College, Yogi Vemana University, Proddatur.	Member
7	Mr. B.S. Harinath Reddy	Solution Architect	HCL Technologies, Bangalore	Industry Expert
8	Mr. L. Gangadhar	Senior Software Developer	ZeQ (Zen Quality Assurance), Hyderabad	Alumni



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AGENDA OF THE MEETING

Item No	Particulars
Item No: 01-BOS-AIML-17	Welcome and Introduction
Item No: 02-BOS-AIML-17	Discussion and Finalization of Course Structure and Syllabus for II,III and IV B.Tech. Artificial Intelligenc and Machine Learning.
Item No: 03-BOS-AIML-17	To approve the list of examiners for II ,III and IV courses/subjects
Item No: 03-BOS-AIML-17	Syllabus Modifications should communicate through mail to all the members

Minutes of the meeting:

Item No: 01-BOS-AIMI-17 Welcome and Introduction

Dr.T.Harikrishna expressed his gratitude for their continued support and valuable contributions toward strengthening the academic framework of the Department of Artificial Intelligence and Machine Learning.

Dr. T.Harikrishna informed the members that the minutes of the previous meeting had been documented and circulated in advance for their review. He then requested the board to kindly confirm the minutes as recorded and invited any comments or suggestions for modification, if necessary

Item No: 02-BOS-AIML-17 Discussion and Finalization of Course Structure and Syllabus for II,III and IV B.Tech. Artificial Intelligenc and Machine Learning.

Resolution

The Board of Studies (BoS) convened to review, discuss, and finalize the proposed course structure and syllabus for the II,III and IV B.Tech program. The board conducted a detailed evaluation of the curriculum, with particular focus on academic progression, relevance to current industry needs, and alignment with program outcomes



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During the discussion, Dr. R.B.V.Subramanyam, Subject Expert from NIT waragal, recommended that the course "Statistics for machine learning" in III B.Tech and Scalable Architecture for ML " be included in the IV B.Tech I Semester curriculum. He emphasized that introducing this subject at an earlier stage would enhance students' understanding of core computing concepts and better prepare them for advanced topics and industry requirements related to Machine learning. With this modification, the Board unanimously approved the revised course structure and syllabus for II,III and IV-B.Tech Regulations.

Item No: 03-BOS-AIML-17 To approve the list of examiners for II,III and IV courses/subjects

Resolution:

BOS Approved the List of Examiners for II, III, IV B.Tech Courses/Subjects

Item No: 03-BOS-17 Syllabus Modifications should communicate through mail to all the members.

Resolution:

The chairmen BOS approved and accepted to notify all the modifications through e-mail to all the members.

The Chairman thanked all the members for their valuable input and the meeting was concluded.

Agenda Item	Action Taken
1.Discussion and Finalization of the Course Structure and Syllabus for II, III, and IV B.Tech AIML	Revised course structures and syllabi for II, III, and IV B.Tech AIML were thoroughly discussed and finalized based on suggestions from BoS members. Final versions were documented and archived for implementation.
2. Approval of the List of Examiners for II, III, and IV AIML Courses	The proposed list of subject-wise examiners was reviewed, minor modifications were made based on feedback, and the list was approved unanimously.
3. Communication of Syllabus Modifications via Email	All syllabus modifications and finalized documents were compiled and officially communicated to all BoS members via departmental email.


Dr.T.Harikrishna
Chairman-BOS-AIML
AITS, Rajampet.

Internal Members:

1. Dr.J.Krishna - 
2. Mrs.S.Surekha - 

Department of Humanities and Sciences
MINUTES
of
18th BOARD OF STUDIES MEETING
June 2025

ACADEMIC YEAR: 2025-26

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES:: RAJAMPET
(An Autonomous Institution)
DEPARTMENT OF HUMANITIES AND SCIENCES

Ref.No.:/AITS/SoE/H&S/BOS-18/2025-26

Date: 21/06/2025

Department of Humanities and Sciences

18th BoS Minutes of Meeting

The 18th meeting of the Board of Studies (BoS) for the Department of Humanities and Sciences was held in online mode on 20th June 2025 through Microsoft teams. The meeting included members from the disciplines of Mathematics, Physics, Chemistry, and English. The following members of the Board were present:

Members Present:

S. No.	Name of the member	Affiliation	Role in BOS	Category
1	Dr. L. Obulapathi	Associate Professor & Head Dept. of H&S, Annamacharya University, Rajampet, Ph: 9885792205 lop@aitsrajampet.ac.in	Chairman	EX-Officio
2	Dr. K. Janardhan	Assistant Professor Dept. of H&S (Mathematics) Annamacharya University, Rajampet, Ph:9885325182 kjd@aitsrajampet.ac.in	Member	Internal Member (Mathematics)
3	Dr. S. Harinath Babu	Assistant Professor Dept. of H&S (Physics) Annamacharya University, Rajampet, Ph: 9966653070 shb@aitsrajampet.ac.in	Member	Internal Member (Physics)
4	Dr. I. Pugazhenthir	Assistant Professor Dept. of H&S (Chemistry) Annamacharya University, Rajampet, Ph:7550309876 ipz@aitsrajampet.ac.in	Member	Internal Member (Chemistry)
5	Dr. S.Satyam	Dept. of H&S (English) Annamacharya University, Rajampet, Ph: 9440304579 mp@aitsrajampet.ac.in	Member	Internal Member (English)
6	Dr. J.V. Ramana Murthy	Department of Humanities & Social Science National Institute of Technology, Warangal – 506004, Telangana Ph: 9390116860, jvr@nitw.ac.in	Member	Outside Subject Expert (Mathematics)
7	Prof. K. Thyagarajan	Dept. of Physics JNTU College of Engineering, Kalikiri, Ph:9440874936 ktrjntu@gmail.com	Member	Outside Subject Expert (Physics)
8	Prof. A. Gangaiah Damu	Dept. of Chemistry Yogi Vemana University Kadapa, Ph:9177888961 agdamu01@gmail.com	Member	Outside Subject Expert (Chemistry)

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES:: RAJAMPET
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DEPARTMENT OF HUMANITIES AND SCIENCES

9	Dr. Jayanth Kashyap	Dept. of English Yogi Vemana University Kadapa, Ph:9441206399 rvjayanth@gmail.com	Member	Outside Subject Expert (English)
10	Dr. M.C. Raju	Dept. of Mathematics JNTU Kalikiri Ph: 9555936944 mcraju.maths@jntua.ac.in	Member	University Nominee
11	Mr. P. Nagendra	DBQ Technologies 3 rd floor, 49A, S End Road, Tata Silk Farm, Basavanagudi, Bengaluru, Karnataka-560050 Ph:9620174155 Nagendra.p@mydbq.com	Member	Industry Expert

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES:: RAJAMPET
(An Autonomous Institution)
DEPARTMENT OF HUMANITIES AND SCIENCES

Agenda of the Meeting:

Item No	Particulars
BoS/2025/H&S/18.1	Confirmation of the Minutes of the 17 th Board of Studies held on 12.07.2024 and the action taken report of the same
BoS/2025/H&S/18.2	Discussion on the R23 III & IV B.Tech. Course structure, with a detailed discussion on the III & IV year syllabi.
BoS/2025/H&S/18.3	To consider and approve the panel of examiners for external examinations for the Academic Year 2025-26.
BoS/2025/H&S/18.4	Any other item with the permission of the chair

MINUTES OF THE MEETING

Welcome address and Introduction

Dr. L. Obulapathi, Chairman, Board of Studies, Department of Humanities and Sciences, extended a warm welcome to all the esteemed members of the Board of Studies. At the outset, Dr. Obulapathi introduced the members of the Board and expressed his gratitude for their presence and for accepting the invitation to participate in the 18th BoS meeting. He then outlined the agenda and briefed the members on the key items scheduled for discussion during the meeting.

Agenda Item No. BoS/2025/H&S/18.1: Confirmation of the Minutes of the 17th Board of Studies Meeting

18.1.MAT.1:

Discussion: The 17th Board of Studies meeting minutes were examined by all members. The Board agreed that the minutes provided a true and accurate account of the meeting. No revisions were recommended.

Resolution: The Board resolved to approve and confirm the minutes of the 17th Board of Studies meeting as shared.

18.1.PHY.1: Discussion: All members reviewed the minutes of the 17th Board of Studies meeting and found them to be an accurate representation of the discussions held. There were no suggestions for modification.

Resolution: It was resolved by the Board to formally approve and adopt the circulated minutes of the 17th Board of Studies meeting.

18.1.CHE.1:

Discussion: The minutes of the 17th Board of studies meeting were reviewed by all members. The board noted that the minutes accurately reflected the proceedings of the meeting. No corrections were proposed.

Resolution: The board resolved to confirm and approve the minutes of the 17th Board of Studies meeting as circulated.

18.1.ENG.1:

Discussion: The members reviewed the minutes of the 17th Board of Studies meeting. It was acknowledged that the minutes accurately documented the proceedings, and no amendments were suggested.

Resolution: The Board resolved to confirm and approve the minutes of the 17th Board of Studies meeting as circulated.

Agenda Item No. BoS/2025/H&S/18.2: To discuss and finalize the course structures and syllabus for III B. Tech. (I & II Semesters) & IV-B. Tech. (I Semester) programs under the R23 Regulations.

18.2.MAT.1: Course Structure

Name of the Course	Year	Semester	Code
Mathematics For Machine Learning And Ai	III	I	23AHS51T
Optimization Techniques	III	II	23AHS61T
Wavelet Transforms And Its Applications	IV	I	23AHS71T
Financial Mathematics	IV	I	23AHS75T

18.2.MAT.2: Mathematics For Machine Learning And Ai

Recommendations:

- Prof. J. V. Ramana Murthy suggested to include the observations on KKT (Karush-Kuhn-Tucker) Conditions and BFGS (Broyden–Fletcher–Goldfarb–Shanno) Method in Unit–3, in order to strengthen the students’ conceptual understanding of optimality conditions and quasi-Newton methods in nonlinear optimization.

Resolutions: The committee agreed with the suggestions. The following changes were made:

- It was resolved that, as per the suggestion of Prof. J. V. Ramana Murthy, the observations on KKT (Karush-Kuhn-Tucker) Conditions and BFGS (Broyden–Fletcher–Goldfarb–Shanno) Method were incorporated in Unit–3 of the syllabus. This inclusion was made to enhance students' understanding of optimality principles and modern optimization techniques in nonlinear programming.

18.2.MAT.3: Optimization Techniques

Recommendations:

- Prof. J. V. Ramana Murthy suggested that the topic titled “Geometric of Linear Programming” in Unit–1 be renamed as “Graphical Method for Linear Programming” to more accurately reflect the graphical approach used in solving linear programming problems.
- Prof. J. V. Ramana Murthy also recommended changing the topic “Classification of Unconstrained Minimization Methods” in Unit–3 to “Methods of Unconstrained Minimization” for better clarity and relevance to the techniques discussed.

Resolutions:

- It was resolved that the topic “Geometric of Linear Programming” in Unit–1 was revised to “Graphical Method for Linear Programming” as per the suggestion of Prof. J. V. Ramana Murthy, to improve accuracy and alignment with the content.
- It was resolved that the topic “Classification of Unconstrained Minimization Methods” in Unit–3 was changed to “Methods of Unconstrained Minimization” in accordance with the recommendation of Prof. J. V. Ramana Murthy, to enhance conceptual clarity.

18.2.MAT.4: Wavelet Transforms and Its Applications

Recommendations:

- Prof. J. V. Ramana Murthy suggested that a new topic titled “Introduction to Wavelets” be included in Unit–1, to provide students with foundational knowledge of wavelet theory, which has significant applications in signal processing and data compression..

Resolutions:

- It was resolved that the topic “Introduction to Wavelets” was incorporated into Unit–1 of the syllabus, based on the recommendation of Prof. J. V. Ramana Murthy, to broaden the scope of the unit and introduce students to emerging areas in applied mathematics and engineering..

18.2.MAT.5: Financial Mathematics

Recommendations:

- Prof. J. V. Ramana Murthy suggested that the observations on “Itô Calculus” be included in Unit–2, to enhance students’ understanding of stochastic processes and their applications in mathematical modeling.

Resolutions:

- It was resolved that the observations on “Ito” Calculus” were incorporated into Unit–2, in accordance with the suggestion of Prof. J. V. Ramana Murthy, to provide students with foundational insights into stochastic differential equations and related concepts..

18.2.PHY.1: Course Structure

Name of the Course	Year	Semester	Code
Materials Characterization Techniques	III	I	23AHS52T
Physics of Electronic Materials and Devices	III	II	23AHS62T
Smart Materials and Devices	IV	I	23AHS72T
Sensor and Actuators for Engineering Applications	IV	I	23AHS76T

18.2.PHY.2: Materials Characterization Techniques

Recommendations:

- No changes were suggested for this Course.

Resolutions:

- The syllabus was reviewed and approved without any modifications.

18.2.PHY.3: Physics of Electronic Materials and Devices

Recommendations:

- No changes were suggested for this Course.

Resolutions:

- The syllabus was reviewed and approved without any modifications.

18.2.PHY.4: Smart Materials and Devices

Recommendations:

- No changes were suggested for this Course.

Resolutions:

- The syllabus was reviewed and approved without any modifications.

18.2.PHY.5: Sensor and Actuators for Engineering Applications

Recommendations:

- No changes were suggested for this Course.

Resolutions:

- The syllabus was reviewed and approved without any modifications.

18.2.CHE.1: Course Structure

Name of the Course	Year	Semester	Code
Chemistry of Energy Systems	III	I	23AHS53T
Chemistry of Polymers and Applications	III	II	23AHS63T
Green chemistry and Catalysis for sustainable Environment	IV	I	23AHS73T
Chemistry of Nano materials and Applications	IV	I	23AHS77T

18.2.CHE.2: Chemistry of Energy Systems

Recommendations:

- Prof. A.G. Damu recommended incorporating an introduction to electrodes and electrochemical cells in Unit 1, emphasizing that these foundational concepts are essential for better understanding subsequent topics. He also revised Unit 1 and advised the inclusion of topics such as primary and secondary batteries, along with relevant examples, to strengthen students' conceptual clarity.
- In Unit 2, Prof. Damu suggested elaborating on the Polymer Electrolyte Membrane (PEM) fuel cell by providing a detailed example to enhance practical understanding.
- For Unit 3, he recommended adding Dye-Sensitized Solar Cells (DSSCs) as a representative example of photochemical reactions, and further included illustrative examples to explain the specificity of photo electrochemical cells more effectively.
- In Unit 4, Prof. Damu proposed a revision to explicitly highlight the types and working principles of solar cells, as these were previously only mentioned in general terms.
- Lastly, he suggested beginning Unit 5 with a clear introduction and basic concepts, as the unit content is broad and general in nature.

Resolutions:

The committee reviewed and approved all the suggestions and recommendations proposed by Prof. A.G. Damu during the syllabus revision process. The following modifications have been incorporated accordingly:

- As recommended, Unit 1 has been updated to include an introduction to electrochemical cells to strengthen the foundational understanding.
- The Zn-air battery and Li-ion battery have been added as representative examples of primary and secondary batteries, respectively.

- In alignment with the suggestions, the methanol-oxygen fuel cell has been included as a detailed example of the Polymer Electrolyte Membrane (PEM) fuel cell in Unit 2.
- Dye-Sensitized Solar Cells (DSSCs) have been introduced in Unit 3 as a practical example to illustrate electrochemical reactions under photochemical conditions.
- The generation of hydrogen energy via water splitting has been incorporated to clearly demonstrate the specificity of photoelectrochemical cells.
- As advised, Unit 5 now commences with an introduction to hydrogen fuel, providing a logical and conceptual entry point for the topics that follow.
- These revisions are aimed at enhancing the clarity, relevance, and applicability of the course content, and will be reflected in the final approved version of the syllabus.

18.2.CHE.3: Chemistry of Polymers and Applications

Recommendations:

- The committee reviewed and approved the content of Units 1, 2, and 3 as submitted, with no modifications required.
- Prof. A.G. Damu recommended the inclusion of PHB (Polyhydroxybutyrate), a biodegradable polymer, in Unit 5 to strengthen the coverage of sustainable and eco-friendly materials.

Resolutions:

- In line with the committee's recommendations, Units 1 to 4 have been retained without any changes.
- Further, in accordance with Prof. A.G. Damu's suggestion, PHB (Polyhydroxybutyrate) has been incorporated into Unit 5 under the topic of degradable polymers to enhance the relevance of the content in the context of green and sustainable materials.

18.2.CHE.4: Green chemistry and Catalysis for sustainable Environment

Recommendations:

- The committee reviewed and approved the content of all five units as submitted, determining that the material was comprehensive and required no modifications.

Resolutions:

- In accordance with the committee's recommendation, the content of all five units has been retained without any changes.

18.2.CHE.5: Chemistry of Nanomaterials and Applications

Recommendations:

- The committee reviewed and approved the content of Units 2, 4, and 5 as submitted, with no modifications required.
- Prof. A.G. Damu recommended the removal of the title "Characterization" from Unit 1, as the existing content does not pertain to material characterization techniques.

- The committee further suggested reorganizing the content in Unit 3 by:
- Categorizing XRD under diffraction techniques,
- Placing UV-Vis and IR spectroscopy under the spectroscopic techniques section,
- Grouping SEM and TEM under microscopic techniques

Resolutions:

- In line with the above recommendations, Units 2, 4, and 5 have been retained without any changes
- The title “Characterization” has been removed from Unit 1 as per the recommendation of Prof. A.G. Damu, ensuring consistency with the content.
- The structure of Unit 3 has been revised to clearly distinguish between:
- Diffraction techniques (e.g., XRD),
- Spectroscopic techniques (e.g., UV, IR),
- Microscopic techniques (e.g., SEM, TEM),

18.2.ENG.1: Course Structure

Name of the Course	Year	Semester	Code
English for Competitive Exams	III	I	23AHS54T
Academic writing and Public Speaking	III	II	23AHS64T
Employability skills	IV	I	23AHS74T
Literary Vibes	IV	I	23AHS78T
Gender Sensitization	IV	I	23AHS79T
Soft skills	III	I/II	23AHS55L/65L

18.2.ENG.2: English for Competitive Exams

Recommendations:

- The Board of Studies (BoS) convened to review the existing syllabus and course objectives for *English for Competitive Exams*.
- Dr. Jayanth Kashyap suggested minor changes to the course objectives to improve clarity and better align them with the course outcomes.
- Additionally, it was recommended to include the topic "Reading Comprehension" under Unit IV to strengthen students' skills relevant to competitive exam preparation.
- Other than the above, no major changes were suggested, and the existing content was deemed appropriate and comprehensive by the committee.
- The proposed modifications were accepted and incorporated into the course.

Resolutions:

- Minor revisions to course objectives will be implemented as suggested.
- "Reading Comprehension" will be added to Unit IV of the syllabus.
- No further changes were proposed, and the syllabus was approved with the above modifications.

18.2.ENG.3: Academic writing and Public Speaking

Recommendations:

- The committee reviewed the syllabus and course objectives for the *Academic Writing* course.
- Dr. Jayanth Kashyap and the members of the board agreed that the course structure was comprehensive and aligned with academic expectations.
- No major suggestions were proposed during the review.
- Minor corrections were made to improve clarity and formatting without altering the core content.
- The syllabus was found to be appropriate and was approved with the noted minor corrections.

Resolutions:

- The *Academic Writing* course syllabus will remain largely unchanged.
- Minor editorial adjustments will be incorporated as discussed.
- The syllabus is approved for implementation in its current format with the minor revisions.

18.2.ENG.4: Course- Employability skills

Recommendations:

- Dr. Jayanth Kashyap reviewed the existing course objectives for *Employability Skills* and noted that they were vague and did not adequately serve the intended purpose of the course.
- He suggested specific changes to make the objectives clearer, more measurable, and aligned with the course goals of enhancing students' employability competencies.
- The suggested changes were discussed among the team, and it was agreed that the revisions would improve the focus and effectiveness of the course.
- The team accepted Dr. Kashyap's recommendations and incorporated the suggested modifications into the course objectives.

Resolution:

- The course objectives for *Employability Skills* will be revised as per Dr. Kashyap's suggestions to ensure clarity and relevance.
- The updated objectives will guide the course delivery and assessment to better prepare students for the job market.
- Revised objectives document to be circulated for review and record.

18.2.ENG.5: Course- Literary Vibes

Recommendations:

- It was recommended to incorporate Indian literary works to provide diverse cultural perspectives and enrich the curriculum. Specifically, two works were proposed:
 - *Ignited Minds* by Dr. A.P.J. Abdul Kalam
 - *Engine Trouble* by R.K. Narayan
 - *If* by Rudyard Kipling
- Based on these suggestions, the course objectives were reviewed and modified to align with the updated title and content focus, emphasizing critical analysis, cultural awareness, and reflective learning.
- The team agreed that including these Indian works would provide students with a broader understanding of literary sensibilities and contemporary themes relevant to India.

Resolutions:

- The committee approved that the course title be changed from its existing title to “Literary Insights” to more accurately reflect the scope and intent of the course as suggested by Dr. Jayanth Kashyap.
- Resolved that the syllabus be enriched by incorporating Indian literary works to provide diverse cultural perspectives and enhance the curriculum. Specifically, the works *Ignited Minds* by Dr. A.P.J. Abdul Kalam and *Engine Trouble* by R.K. Narayan are to be included as core texts.
- Updated the course objectives be reviewed and revised to align with the new course title and the inclusion of Indian literary works. The revised objectives shall emphasize critical analysis, cultural awareness, and reflective learning.
- The committee approved the inclusion of these Indian literary works will broaden students’ understanding of literary sensibilities and contemporary themes relevant to India, thereby enriching their academic experience.

18.2.ENG.6: Gender Sensitization

Recommendations:

- No changes were suggested for this Course.

Resolutions:

- The syllabus was reviewed and approved without any modifications.

18.2.ENG.7: Soft Skills

Recommendations:

- The Board of Studies (BoS) met to review the course titled *Soft Skills*.
- Dr. Jayanth Kashyap reviewed the course and noted that the overall structure and syllabus are well-aligned with the intended outcomes, and hence no major suggestions were made regarding content or structure.
- However, during the review, the committee identified a few missing course objectives that were essential to fully capture the scope of the course.
- These missing objectives were drafted and included to ensure the course comprehensively addresses all areas of soft skills development.
- The additions were discussed and approved unanimously by the committee.

Resolutions:

- The course structure and syllabus remain unchanged.
- Missing course objectives have been identified and added to strengthen the course framework.
- The updated objectives were approved and will be reflected in the official syllabus document.

BoS/2025/H&S/18.3: To approve the list of examiners for III & IV year elective courses/subjects.

18.3.MAT.1: The panel of examiners was duly approved.

18.3.PHY.1: The panel of examiners stood approved.

18.3.CHE.1: Panel of examiners was approved.

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DEPARTMENT OF HUMANITIES AND SCIENCES

18.3.ENG.1: The panel of examiners was duly approved.

Link for the recorded meeting

MAT.1: <https://youtu.be/4yhvAedAZzc>

PHY.1: <https://youtu.be/kuwJiUWRT0o>

CHE.1: <https://youtu.be/wXpxNhs-Z7s>

ENG.1: <https://youtu.be/baxCvMwylKg>

Photos for the meeting

Mathematics

COURSE OUTCOMES	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	3	3	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	3	3	3	3	3	3
CO3	3	3	3	3	3	3	3	3	3	3	3	3
CO4	3	3	3	3	3	3	3	3	3	3	3	3
CO5	3	3	3	3	3	3	3	3	3	3	3	3

Physics



chemistry

UNIT 1: Electrochemical Systems

Electrolysis, Faraday's laws, Standard electrode potential, application of EMF, electrical double layer, polarization, Batteries - Introduction, Lead acid, Nickel - cadmium, alkaline batteries and their applications.

Unit 2 - Fuel Cells

Fuel cells: Introduction, Basic design of fuel cells, working principle, Classification of fuel cells, Polymer electrolyte membrane (PEM) fuel cells, Solid oxide fuel cells (SOFC), Fuel cell efficiencies and applications.

Unit 3 - Photo and Photoelectrochemical Cells

Photochemical cells: Introduction and applications of photochemical cells, Spectroscopy of photoelectrochemical cell, advantages of photoelectrochemical cells and their applications.

The theme of Studies meeting for the Departments of English is scheduled for 2024 June 2024. The primary agenda of the meeting is to review and update the curriculum for M.A. English studies that comprise both English language and interdisciplinary components for the academic year 2023/24.

AGENDA

- Confirmation of the minutes of the 13th meeting of the Board of Studies held on 10-09-2024 and the action taken report of the same
- Out come of the E2024-23-24, Task, course structures, with a detailed discussion on them at 10:30 AM onwards
- To consider and approve the panel of examiners for internal examinations for the academic year 2023-24
- Any other item with the permission of the Chair

Board members

Department of Humanities & Sciences