

MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE (AUTONOMOUS)



Guntur - 522 017, Andhra Pradesh.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 3/7/2025.

Minutes of Meeting

The Minutes of Meeting for B.Tech & M.Tech CSE Program is conducted on 3-07-2025 at HOD's Chamber in Zoom platform. Zoom Link is:

<https://us06web.zoom.us/j/82107423283?pwd=EHsGMRDmZmGA6GBw87ge5KUnlvF1x9.1>

The Following members have attended for 3rd BOS meeting:

S.No	Name & Designation	Members	Signature
1	Dr.G.Rama Swamy, Professor & HOD of CSE	Chairman	
2	Dr. D.Haritha , Professor of CSE, UCEK, JNTUK	University Nominee	
3	Dr.K.Gangadhar Professor & HOD of CSE ANU, Guntur.	Subject expert from outside the parent University	
4	Dr. J. Chandra Sekhar HOD, Professor CSE, NRIIT	Subject expert from outside the parent University	
5	Mr. K.Srinivasa Ramanujam Head - Workforce Management Cyber Security Business at TCS, Bangalore	Industry Nominee	
6	Ms. T.Yamini Koteswari	student Nominee	
7	Dr. A Latha	Faculty member	
8	Mr.K.Praven Kumar, Assist.Prof	Faculty member	
9	Ms. K.M.L.Priyanka, Assist.Prof	Faculty member	
10	Ms.M.Bharathi Rani, Assist.Prof	Faculty member	
11	Mr.A.Rama Krishna, Assist.Prof	Faculty member	
12	Ms.K.Akhila, Assist.Prof	Faculty member	
13	Ms. Y.Saraswathi, Assist.Prof	Faculty member	

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(AUTONOMOUS)



Guntur - 522 017, Andhra Pradesh.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

3rd Board of Studies Meeting

Meeting Agenda:

Item No: 1

Discussion on Proposed Course Structure of 3rd B.Tech I and II Semesters with Minor /Honor courses.

Item No: 2

Discussion on Proposed Open Elective Courses, Minor/Honor of 3rd B.Tech I and II Semesters courses offered by CSE to other departments.

Item No: 3

Discussion on Proposed Syllabus of Courses Offered by Department, other Department Computer courses and Minor /Honor courses in 3rd B.Tech.

Item No:1

Discussion on Proposed Course Structure of III B. Tech, I and II Semesters with Minor /Honor courses. and Ratification of the same.

III-B. Tech - I Semester

S.No	Category	Title	L	T	P	C
1	Professional Core	Data Warehousing and Data Mining	3	0	0	3
2	Professional Core	Computer Networks	3	0	0	3
3	Professional Core	Formal Languages and Automata Theory	3	0	0	3
4	Professional Elective-I	1. Object Oriented Analysis and Design 2. Artificial Intelligence 3. Microprocessors & Microcontrollers 4. Quantum Computing 5. 12 week MOOC Swayam / NPTEL course recommended by the BoS	3	0	0	3
5	Open Elective-I	Open Electives offered by other departments / Entrepreneurship Development & Venture Creation	3	0	0	3
6	Professional Core	Data Mining Lab	0	0	3	1.5
7	Professional Core	Computer Networks Lab	0	0	3	1.5
8	Skill Enhancement course	Full Stack development-2	0	1	2	2

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9	Engineering Science	User Interface Design using Flutter / SWAYAM Plus - Android Application Development (with Flutter)	0	0	2	1
10	Evaluation of Community Service Internship		-	-	-	2
Total			15	1	10	23
MC	Minor Course (Student may select from the same specialized minors pool)		3	0	3	4.5
MC	Minor Course through SWAYAM/NPTEL (minimum 12 week, 3 credit course)		3	0	0	3
HC	Honors Course (Student may select from the same honors pool)		3	0	0	3
HC	Honors Course (Student may select from the same honors pool)		3	0	0	3

III-B. Tech - II Semester

S.N o.	Category	Title	L	T	P	C
1	Professional Core	Compiler Design	3	0	0	3
2	Professional Core	Cloud Computing	3	0	0	3
3	Professional Core	Cryptography & Network Security	3	0	0	3
4	Professional Elective- II	1. Software Testing Methodologies 2. Cyber Security 3. DevOps 4. Machine Learning 5. 12 week MOOC Swayam / NPTEL course recommended by the BoS	3	0	0	3
5	Professional Elective- III	1. Software Project Management 2. Mobile Adhoc Networks 3. Natural Language Processing 4. Big Data Analytics 5. Distributed Operating System 6. 12 week MOOC Swayam / NPTEL course recommended by the BoS	3	0	0	3
6	Open Elective – II	Open Electives offered by other departments	3	0	0	3

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

7	Professional Core	Cloud Computing Lab	0	0	3	1.5
8	Professional Core	Cryptography & Network Security Lab	0	0	3	1.5
9	Skill Enhancement course	Soft skills // SWAYAM Plus - 21st Century Employability Skills	0	1	2	2
10	Audit Course	Technical Paper Writing & IPR	2	0	0	-
Total			20	1	08	23
Mandatory Industry Internship / Mini Project of 08 weeks duration during summer vacation						
MC	Minor Course (Student may select from the same specialized minors pool)		3	0	3	4.5
MC	Minor Course (Student may select from the same specialized minors pool)		3	0	0	3
HC	Honors Course (Student may select from the same honors pool)		3	0	0	3
HC	Honors Course (Student may select from the honors pool)		3	0	0	3

The Course Structure of III B. Tech I and II-Semesters is put before the BOS Members and asked for any changes in the courses offered by Department of Computer Science and Engineering. All the BOS members accepted this course structure and ratified the same.

Item No: 2

Discussion on Proposed Open Elective Courses, Minor/Honor of 3rd B.Tech I and II Semesters
courses offered by CSE to other departments.

Open Electives, offered to other department students:

Open Elective I: **Principles of Operating Systems / Computer Organization and Architecture**

Open Elective II: **Principles of Database Management Systems**

Open Elective III: **Object Oriented Programming Through Java**

Open Elective IV: **Principles of Software Engineering /Computer Networks**

Minor Engineering

Note:

1. To obtain Minor Engineering, student needs to obtain 18 credits by successfully completing any of the following courses in the concern stream.
2. During Minor/Honors Course selection, there should not be any overlapping with Regular/Major/OPEN Electives

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Minor in CSE

- | | |
|--|--------------------|
| 1. Principles of Database Management Systems | 3-0-3-4.5 (II-II) |
| 2. Principles of Software Engineering | 3-0-0-3 (III-I) |
| 3. Advanced Data Structures & Algorithm Analysis | 3-0-3-4.5 (III-II) |
| 4. Principles of Operating Systems | 3-0-0-3 (IV-I) |

Any of the following 12 Week 3 credit NPTEL MOOC Courses

- Artificial Intelligence: Knowledge Representation and Reasoning
- Computer Networks and Internet Protocol
- Machine Learning and Deep Learning - Fundamentals and Applications
- Fundamentals of Object Oriented Programming
- Discrete Mathematics for CS
- Software Engineering

COURSES OFFERED FOR HONORS DEGREE IN CSE

Note: To obtain Honor's degree, student needs to obtain 18 credits by successfully completing any of the following courses in the concern stream.

- | | |
|---|----------------------------------|
| 1. Social Network Analysis | 12 Week 3 Credit Course, MOOCS |
| 2. Applied Linear Algebra in AI & ML | 12 Week 3 Credit Course, MOOCS |
| 3. Design & Implementation of Human-Computer Interfaces – NPTEL MOOCS | |
| 4. Cryptography and Network Security | 12 Week 3 Credit Course, MOOCS |
| 5. Privacy and Security in Online Social Media | 12 Week 3 Credit Course, MOOCS |
| 6. Deep Learning for Natural Language Processing - | 12 Week 3 Credit Course, MOOCS |
| 7. Computer Vision | - 12 Week 3 Credit Course, MOOCS |
| 8. Applied Time-Series Analysis | 12 Week 3 Credit Course, MOOCS |
| 9. Parallel Computer Architecture | 12 Week 3 Credit Course, MOOCS |
| 10. Reinforcement Learning | 12 Week 3 Credit Course, MOOCS |
| 11. GPU Architecture and Programming | 12 Week 3 Credit Course, MOOCS |
| 12. Computational Complexity | 12 Week 3 Credit Course, MOOCS |
| 13. Quantum Algorithms and Cryptography | 12 Week 3 Credit Course, MOOCS |
| 14. Unmanned Aerial Systems & Robotics | 12 Week 3 Credit Course, MOOCS |
| 15. Prompt Engineering for Generative AI | (III - II) |

- | | |
|---|-----------|
| 1. Computer Networks | 3-0-0-3 |
| 2. Artificial Intelligence | 3-0-0-3 |
| 3. Cyber Security | 3-0-0-3 |
| 4. Introduction to Data Science | 3-0-3-4.5 |
| 5. Data Warehousing and Data Mining | 3-0-0-3 |
| 6. Object Oriented Programming Through Java | 3-0-3-4.5 |
| 7. Cloud computing | 3-0-0-3 |

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- | | |
|---------------------------------|---------|
| 8. Graph Theory | 3-0-0-3 |
| 9. Data Analytics with Python | |
| 10. Foundations of Cryptography | |

Proposed Syllabus of the Courses Offered by the Department of Computer Science and Engineering is put before the BOS Members and asked for the modifications if any. As per the suggestions given by BOS members syllabus is modified without deviating the norms and ratified the same.

Item No: 3

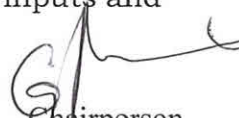
Discussion on Proposed Syllabus of Courses Offered by Department, other Department Computer courses and Minor / Honor courses in 3rd B.Tech.

Proposed Syllabus of the Courses Offered by the Department of CSE is put before the BOS Members and asked for the modifications if any. As per the suggestions given by BOS members syllabus is modified without deviating the norms and ratified the same.

Item No: 4

1. The chairperson **Dr. G Rama Swamy** stated that we have adopted the JNTUK syllabus as it is for the III B. Tech first and second semesters of the CSE branch.
2. University nominee **Dr. D Haritha** suggested that add the Advanced Data Structure Course in Open Elective offer by CSE.
3. **Dr. K Gangadhar** raised a point regarding the introduction of Full Stack Development-2 in the III-I semester give the additional experiments.
4. Mr. K.Srinivasa Ramanujam, Industry nominee suggested that add the Minor courses in course structure.
5. **Ms. T Yamini Koteswari** from the industry commented that while the subjects chosen are appropriate, there is concern about whether students are truly utilizing lab-related skills. She emphasized that due to the current wave of layoffs in software companies driven by AI advancements, it is crucial to ensure that students develop strong coding skills to stay competitive in the industry.

Finally, Chairman of BOS thanked all the members of their valuable inputs and active participation in the meeting.


Chairperson

BOS-CSE, MLEW

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WOMEN'S ENGINEERING COLLEGE

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Pulladigunta (Vil), Vatticherukuru (Md), Prathipadu Road, Guntur – 522 017 A.P.



Department of Information Technology

Minutes of the 3rd Board of Studies (BoS) Meeting

The third BoS meeting of Information Technology Department was conducted on 11.07.2025 from 03.00pm in HOD's chamber through virtual mode via Zoom Online Meeting Platform.

Link: <https://us06web.zoom.us/j/87543630971?pwd=ppwkoxXPDpteQHxS8NMjrDzZsmDwgQ.1>

The following members have attended the meeting:

S.No	Members	Name & Designation	Status of Attendance	Signature
1	Chairperson	Dr K.Sunitha, Professor & HOD of IT	PRESENT	
2	University Nominee	Dr A Krishna Mohan, Professor of CSE, UCEK, JNTU Kakinada Ph: 9640027540, Email: krishna.ankala@jntucek.ac.in	PRESENT	
3	Subject expert from outside the parent University	1. Dr S V N Sreenivasu Professor, Department of CSE, NEC, Guntur Ph:9849866902 Email: dr.svnsrinivasu@gmail.com	PRESENT	
		2. Dr.K.Nageswara Rao, Hod and Professor, Department of CSE NRIIT VISADALA Ph: 9866186158 Email: nageswararaokapu@yahoo.com	PRESENT	
4	Representative from Industry	Mr. Anjaneyulu Abburi, Sr. Consultant, Capgemini, Hyderabad Ph: 9676995947 Email: anjaneyulu.abburi@capgemini.com	PRESENT	
5	Alumni Member	Ms. N.Vijaya Lakshmi Asst.Prof.,Department of CSE,MLWEC Ph:9885529626 Email: viji1995m.tech@gmail.com	PRESENT	
7	Member	Ms.D.U.Durgarani Asst.Prof.,MLWEC	PRESENT	
8	Member	Ms. M.Prathyusha Asst.Prof.,MLWEC	PRESENT	
9	Member	Ms.S.Kalpana Asst.Prof., MLWEC	PRESENT	
10	Member	Mr K.Naga Brahmachari Asst.Prof., MLWEC	PRESENT	
11	Member	Ms.K.Swarupa Asst.Prof., MLWEC	PRESENT	



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In the beginning of the meeting the Chairperson of the Committee, **Dr. K. Sunitha**, welcomed all the Internal BoS members and external members and briefed about the course Structure and Course Syllabus designed by JNTUK Regulation-23 (R-23) for Information Technology and computer courses offering to other branches for III B.Tech Programs.

Meeting Agenda:

Item No: 1

Discussion on Proposed Course Structure of MR23 3rd B.Tech Semester-I & Semester-II.

Item No: 2

Discussion on Proposed OpenElectives Courses offered by the department of IT to other department students of 3rd B.Tech.

Item No: 3

Discussion on Proposed Minor/Honors Courses of 3rd B.Tech.

Item No: 4

Discussion on Proposed Syllabus of Courses Offered by the Department in 3rd B.Tech.

Item No: 5

Discussion on Proposed Syllabus for Open Electives Offered by the Department of IT to other Departments of 3rd B.Tech, Ratification of the same

Resolutions:

Item No: 1- Discussion on Proposed Course Structure of MR23 3rd B.Tech Semester-I & Semester-II, Ratification of the same.

The proposed course structure for the B.Tech program by the Department of IT was presented to the Board of Studies (BOS) members. They were requested to suggest any necessary changes and approve the structure. All members approved the proposal.

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Dr. Sunitha

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Course Structure:

III-B.Tech - I Semester for B.Tech. (IT)

S.No.	Category	Title	L	T	P	C
1	Professional Core	Advanced Java	3	0	0	3
2	Professional Core	Computer Networks	3	0	0	3
3	Professional Core	Automata Theory & Compiler Design	3	0	0	3
4	Professional Elective-I	1. Object Oriented Analysis and Design 2. Cyber Security 3. Artificial Intelligence 4. Microprocessors & Microcontrollers 5. Data Warehousing & Data Mining 6. 12 week MOOC Swayam / NPTEL course recommended by the BoS	3	0	0	3
5	Open Elective- I	Open Electives offered by other Departments OR Entrepreneurship Development & Venture Creation	3	0	0	3
6	Professional Core	Advanced Java Lab	0	0	3	1.5
7	Professional Core	Computer Networks Lab	0	0	3	1.5
8	Skill Enhancement course	Full Stack Development1	0	1	2	2
9	Engineering Science	User Interface Design using Flutter / SWAYAM Plus-Android Application Development (with Flutter)	0	0	2	1
10	Evaluation of Community Service Internship		-	-	-	2
Total			15	1	10	23
MC	Minor Course (Student may select from the same specialized minors pool)		3	0	3	4.5
MC	Minor Course through SWAYAM/NPTEL(minimum 12 week, 3 credit course)		3	0	0	3
HC	Honors Course (Student may select from the same honors pool)		3	0	0	3
HC	Honors Course (Student may select from the same honors pool)		3	0	0	3



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III-B.Tech - II Semester for B.Tech. (IT)

S.No.	Category	Title	L	T	P	C
1	Professional Core	Cloud Computing	3	0	0	3
2	Professional Core	Cryptography & Network Security	3	0	0	3
3	Professional Core	Machine Learning	3	0	0	3
4	Professional Elective-II	1. Software Testing Methodologies 2. Augmented Reality & Virtual Reality 3. DevOps 4. Generative AI 5. 12 week MOOC Swayam / NPTEL course recommended by the BoS	3	0	0	3
5	Professional Elective-III	1. Software Project Management 2. Mobile Adhoc Networks 3. Natural Language Processing 4. Distributed Operating System 5. 12weekMOOCsWayam/NPTEL course recommended by the BoS	3	0	0	3
6	Open Elective-II	Open Electives offered by other departments	3	0	0	3
7	Professional Core	Cloud Computing Lab	0	0	3	1.5
8	Professional Core	Machine Learning Lab	0	0	3	1.5
9	Skill Enhancement course	Soft skills / SWAYAM Plus-21st Century Employability Skills	0	1	2	2
10	Audit Course	Technical Paper Writing & IPR	2	0	0	-
Total			20	1	08	23
Mandatory Industry Internship/ Mini Project of 08 weeks duration during summer vacation						
MC	Minor Course (Student may select from the same specialized minors pool)		3	0	3	4.5
MC	Minor Course through SWAYAM/NPTEL(minimum12 week, 3 credit course)		3	0	0	3
HC	Honors Course (Student may select from the same honors pool)		3	0	0	3
HC	Honors Course (Student may select from the same honors pool)		3	0	0	3

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5. Artificial Intelligence: Knowledge Representation and Reasoning
6. Computer Networks and Internet Protocol
7. Machine Learning and Deep Learning- Fundamentals and Applications
8. The Joy of Computing using Python
9. Discrete Mathematics for CS
10. Human Computer Interaction (In English)

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11. Data Analytics with Python
12. Foundations of Cyber Physical Systems

Item No: 4- Discussion on Proposed Syllabus of Courses Offered by the Department in 3rd B.Tech and Ratification of the same

The Chairperson gave a presentation on the proposed syllabi for the courses offered by the Department in III B.Tech. The syllabi for both the I and II semesters were discussed in detail. After deliberation, the Board ratified the proposed syllabi.

Suggestions on Course Syllabus by the BoS Members:

1. Dr. S. V. N. Sreenivasu, one of the external subject experts, suggested utilizing the IDEA Lab that has been sanctioned for your college.
2. The Industry Nominee, Mr. A. Anjaneyulu, advised that students should develop applications as part of the Full Stack Development I and II courses.
3. All the course syllabi for theory and laboratory subjects submitted by the Chairperson have been approved by all members, which will follow the JNTUK R23 syllabus.

Item No: 5- Discussion on Proposed Syllabus for Open Electives Offered by the Department of IT to other Departments of B.Tech students, Ratification of the same.

The Chairperson presented the proposed syllabi for the Open Elective courses offered by the Department of Information Technology to students of other departments. The syllabi for all electives were reviewed and discussed in detail. After thorough deliberation, the Board unanimously ratified the proposed syllabi.

The course syllabus has been finalized by incorporating the recommendations made by the BOS members.

Finally, the Chairperson of the BOS thanked all the members for their valuable inputs and active participation in the meeting.

Chairperson
BoS-IT, MLWEC



MALINENI LAKSHMAIAH

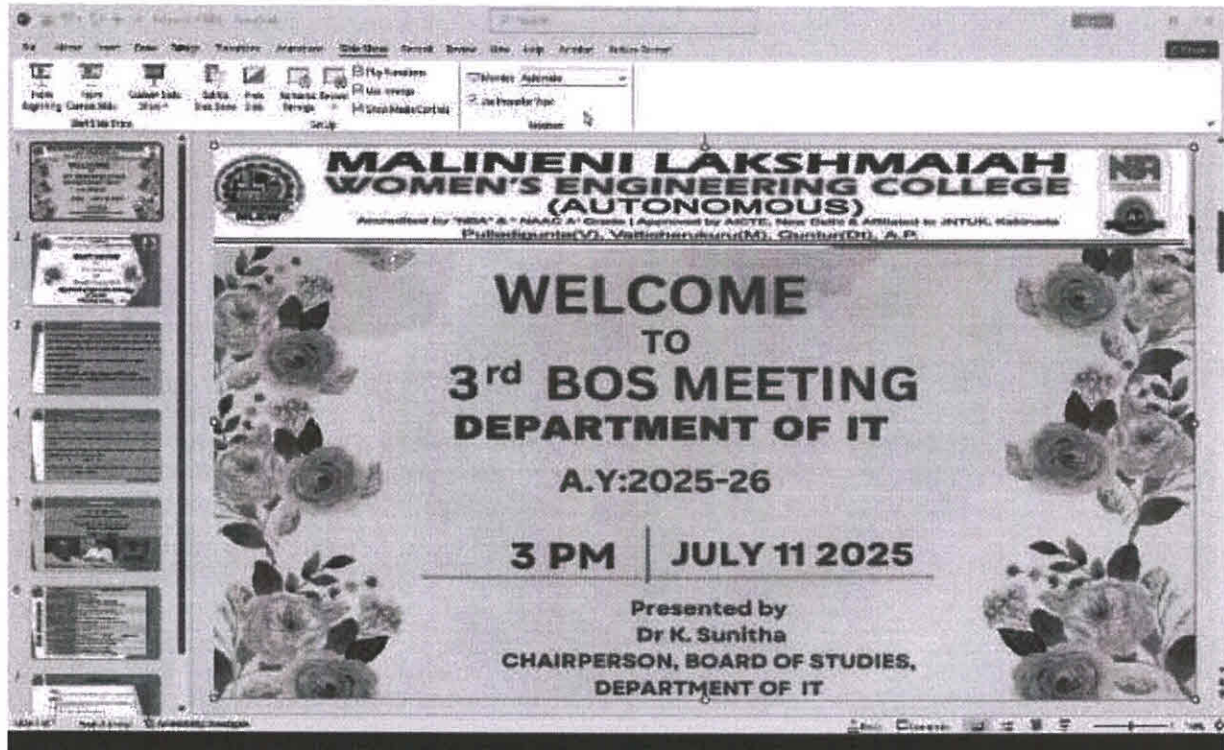
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Board of Studies (BoS) Meeting Screenshots



K. Sunitha

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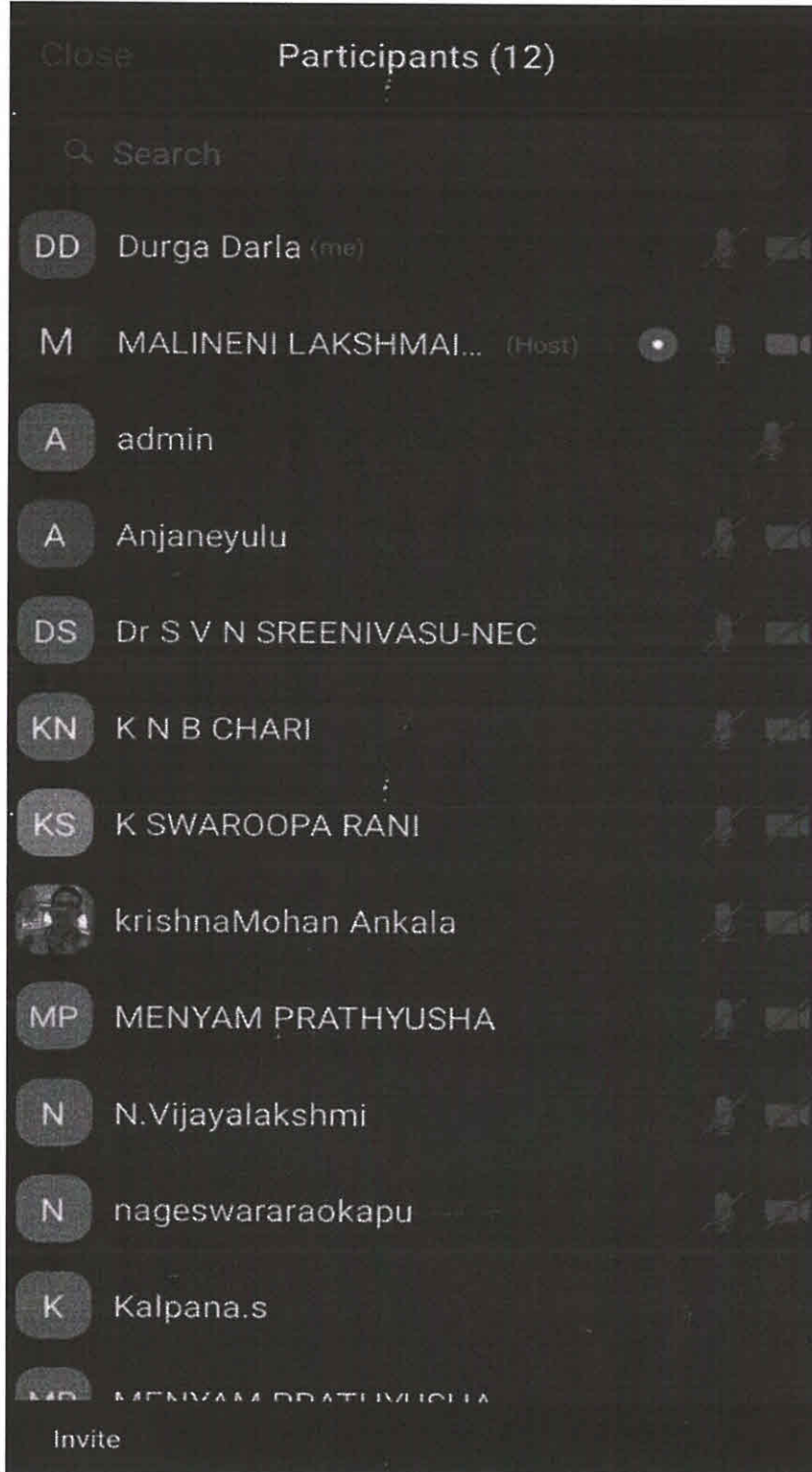


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Bos Members

Members	Name & Designation
Chairperson	Dr K. Sunitha, Professor & HOD of IT
University Nominee	Dr A Krishna Mohan, Professor of CSE, UCEK, JNTU Kakinada Ph: 9640027540, Email: kristna.mohale@intecrk.ac.in
Subject expert from outside the parent University	1. Dr S V N Sreenivasu Professor, Department of CSE, NIEC, Guntur Ph: 9849866902, Email: dr.svn.sreenivasu@gmail.com 2. Dr. K. Nageswara Rao, Professor, Department of CSE, NEC, Guntur Ph: 9866186158, Email: nageswararaoakapna@yahoo.com
Representative Industry	from Mr. Arjaneyulu Abhuri, Sr. Consultant, Caggemini, Hyderabad Ph: 9676995947 Email: arjaneyulu@abhishekengineering.com
Alumni Member	Ms. N. Vijaya Lakshmi Asst. Prof., Department of CSE, MLWEC Ph: 9885529626, Email: siji1995mtech@gmail.com
Member	Ms. D. U. Durgurani, Asst. Prof., MLWEC
Member	Ms. M. Prathyusha, Asst. Prof., MLWEC
Member	Ms. K. Swarupa, Asst. Prof., MLWEC
Member	Ms. S. Kalpana, Asst. Prof., MLWEC
Member	Mr K Naga Brahmachari, Asst. Prof., MLWEC

K. Sunitha

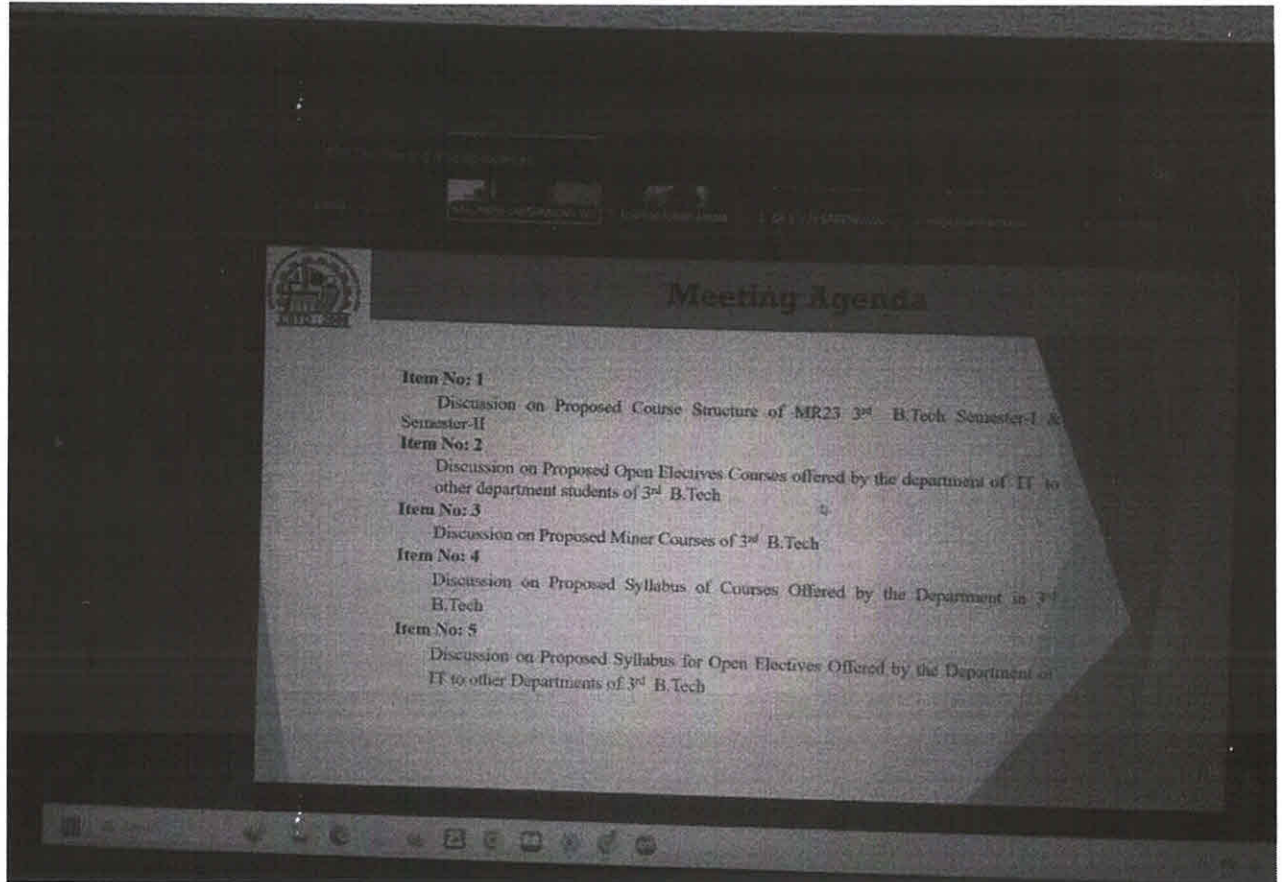
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B.Tech. Computer Science and Information Technology						
Sl. No.	Course Name	Course Description	Credits	Prerequisites	Grading	Remarks
5	Open Elective-I	A. Data Warehousing & Data Mining @ 12 week MODE: Semesters / NPTEL courses recommended by the Roll Departments Open Electives offered by other Departments OR Entrepreneurship Development & Venture Creation	3	0	0	3
6	Professional Core	Advanced Java Lab	0	0	3	15
7	Professional Core	Computer Networks Lab	0	0	3	15
8	Skill Enhancement Course	Full Stack Development I	0	1	2	3
9	Engineering Seminar	User Interface Design using Flutter / SWAYAM Plus - Android Application Development (with Flutter)	0	0	2	1
10	Evaluation of Community Service Internship					2
		Total	13	1	10	23
HC	Minor Course (Student may select from the same specialized interest pool)		1	0	3	45
HC	Minor Course through SWAYAM/NPTEL (minimum 12 weeks, 3 credit courses)		1	0	3	3
HC	Honors Course (Student may select from the same honors pool)		0	0	0	1
HC	Honors Course (Student may select from the same honors pool)		0	0	0	1

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MALINENI LAKSHMAIAH

WOMEN'S ENGINEERING COLLEGE

(AUTONOMOUS)

(Accredited by "NBA" & NAAC A+ Grade | Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)
Pulladigunta (Vil), Vatticherukuru (Md), Prathipadu Road, Guntur - 522 017 A.P.



Zoom interface showing a video call with a participant wearing headphones. The Zoom controls at the top include a back arrow, a mute icon, a Zoom dropdown menu, and a Leave button. The video feed shows a person in a room with a window.

REC

Malineni Lakshmaiah Women's Engineering College (Autonomous) Department of Information Technology

III Year II Semester CRYPTOGRAPHY & NETWORK SECURITY

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Course Objectives:
The main objectives of this course are to explore the working principles and utilities of various cryptographic algorithms including secret key cryptography, both public and asymmetric cryptos, public key algorithms, design issues and working principles of various authentication protocols and various secure communication standards including Kerberos, IPsec, and SSL/TLS.

UNIT I:
Basic Principles: Security Goals, Cryptographic Attacks, Services and Mechanisms, Mathematics of Cryptography: Integer arithmetic, modular arithmetic, matrices, linear congruence.

UNIT II:
Symmetric Encryption: Mathematics of Symmetric Key Cryptography: algebraic systems, GF(2) Fields, Introduction to Modern Symmetric Key Ciphers: modern block ciphers, modern stream ciphers, Data Encryption Standard (DES) structure, DES analysis, Security of DES, Multiple DES, Advanced Encryption Standard-transformation, key expansion, AES cipher, Analysis of ALE.

UNIT III:
Asymmetric Encryption: Mathematics of Asymmetric Key Cryptosystems: number theory, primality

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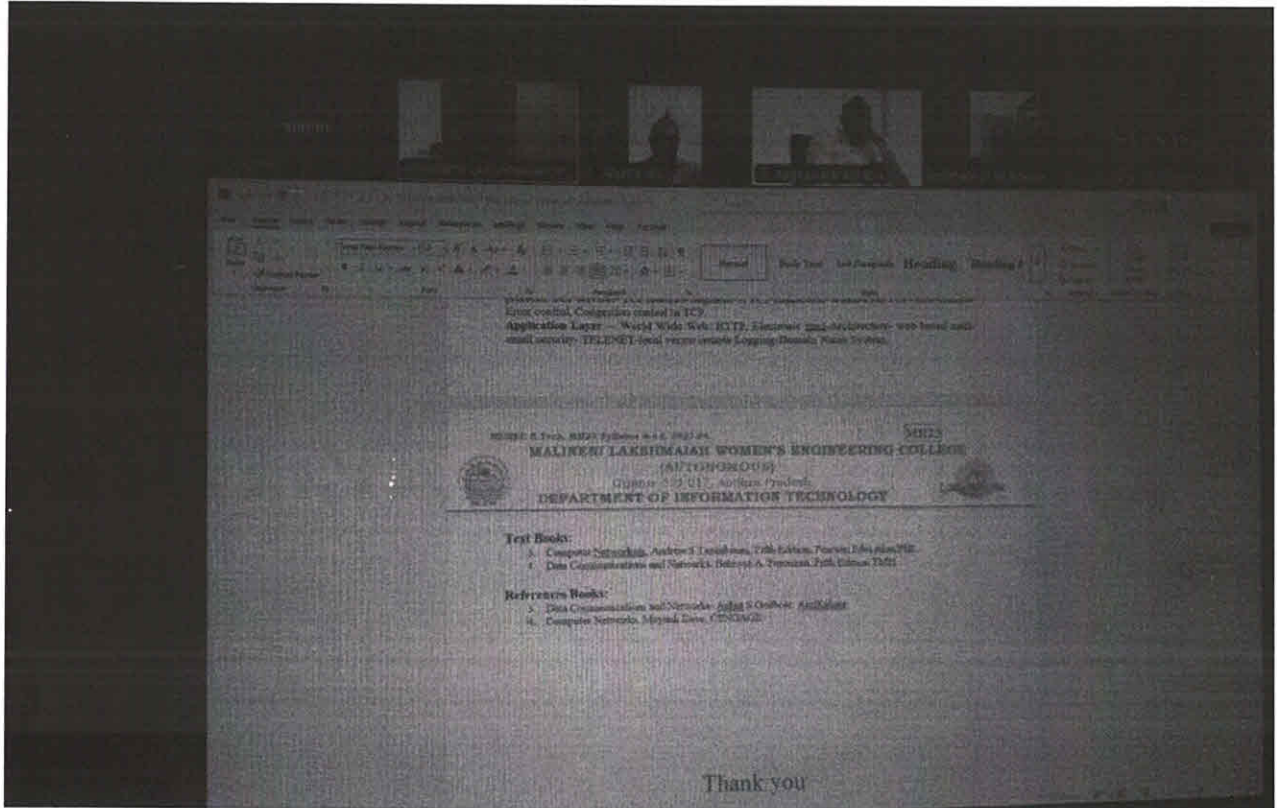
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Dr. S. S. S. S.

Dr. S. S. S. S.

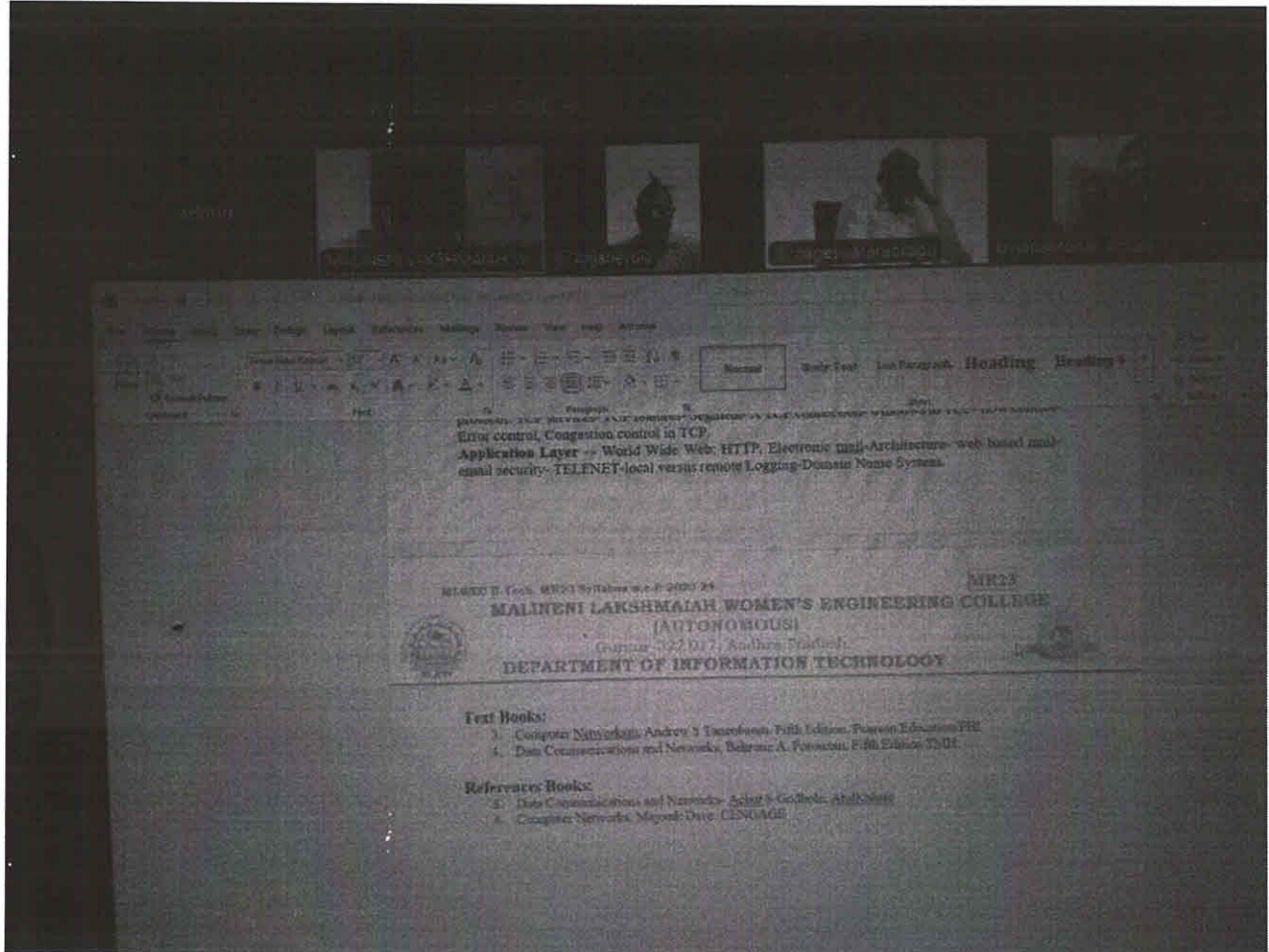
Dr. S. S. S. S.

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K. Srinivas

Chairperson
BoS-IT, MLWEC

K. Srinivas

S. Srinivas

Dr. Srinivas

A. K. 2



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Minutes of the Third Board of Studies Meeting

I. AGENDA:

1. To review the course structure and credit distribution for I and II year B.Tech programs.
2. To discuss and finalize the course structure and credit breakup for III Year – I Semester.
3. To discuss and finalize the course structure and credit breakup for III Year – II Semester.
4. To discuss the B.Tech. MR23 guidelines, courses, and syllabus for Minor and Honors Degree programs.
5. To Discuss the M.Tech (VLSI) MR-25 course structure and syllabus.
6. To consider any other item(s) with the permission of the Chair.

II. LIST OF MEMBERS ATTENDED

The Third Board of Studies Committee of the ECE Department at MLWEC, Guntur, was constituted with effect from 06-09-2023 for tenure of three years, comprising the following members.

1. **Dr. B. T. Krishna**, Professor & Head, ECE, JNTUK, **University Nominee**
2. **Dr. Vakula D**, Professor, ECE, NIT Warangal, Subject Expert (**Outside Parent University**)
3. **Dr. K. Srinivasa Rao**, Professor & Head of Micro Electronics Research, KL University Subject Expert (**Outside Parent University**)
4. **Dr. Sudha Rani Suram**, Scientist 'G', DLRL, Hyderabad, **Industry Expert**
5. **E. R. Rajeswari**, Hardware Developer, IBM, Bangalore, **Alumni**
6. Dr. Chiluka Ramesh, Professor, Faculty Member
7. Dr. K. Swetha, Professor, Faculty Member
8. Mr. B. T. Madhav, Associate Professor, Faculty Member
9. Mr. Ch. Rama Koteswara Rao, Associate Professor, Faculty Member
10. Mr. Y. Bhaskara Rao, Associate Professor, Faculty Member
11. Mr. T. Venkata Rao, Assistant Professor, Faculty Member
12. Ms. Sk. Gousya Begum, Assistant Professor, Faculty Member

The Third Board of Studies (BoS) meeting of the ECE Department was held on 14th July 2025 at 11:00 a.m. through online mode via the Zoom platform.

Join Zoom Meeting

<https://us06web.zoom.us/j/84062724989?pwd=dYLRGutsdNsxkIhr8laZMyF730FEP4.1>

Meeting ID: 840 6272 4989

Passcode: 1234567890

I. Minutes of the Third BoS Meeting of ECE Department:

Dr. D. Vijaya Saradhi, Chairperson of the Board of Studies, warmly welcomed all the members to the Third BoS Meeting of the ECE Department.

1. Dr. D. Vijaya Saradhi briefly outlined the course structure and credit distribution for I and II year B.Tech programs.

S.No	Category	1-1	1-2	Total Credits
1	Humanities and social science including Management courses	0.5	3.5	4
2	Basic Science Courses	7	7	14
3	Engineering science courses	13	9	22
Total Credits in I st year		20.5	19.5	40

S.No	Category	2-1	2-2	Total Credits
1	H&S including Management courses	3	2	5
2	Basic Science Courses	3	-	3
3	Engineering science courses	3	5	8
4	Professional Core	9	12	21
5	Skill Enhancement Course	2	2	4
Total Credits in Second Year		20.5	21	41.5

2. Dr. D. Vijaya Saradhi presented a detailed explanation of the course structure and credit breakup for III B. Tech I Semester.

S.No	Category	Title	L	T	P	Credits
1	PC	Analog & Digital IC Applications	3	0	0	3
2	PC	Digital Communications	3	0	0	3
3	PC	Antennas and Wave Propagation	3	0	0	3

4	PE-I	1. Digital System Design through HDL 2. Optical Communications 3. Electronic Measurements and Instrumentation 4. Computer Organization and Architecture	3	0	0	3
5	OE-I	OR Entrepreneurship Development & Venture Creation	3	0	0	3
6	PC	Analog & Digital IC Applications Lab	0	0	3	1.5
7	PC	Analog and digital communications Lab	0	0	3	1.5
8	SEC	Applications of Lab view for Instrumentation & Communications	0	1	2	2
9	ES	Design of PCB & Antennas Lab	0	0	2	1
10	Project	Evaluation of Community Service Internship	-	-	-	2
Total			15	1	10	23
Open Electives, offered to other department students						
11	OE-I	Electronic Devices and Circuits	3	0	0	3
		Signals and Systems	3	0	0	3
		Probability Theory and Random variables	3	0	0	3
		Network Analysis	3	0	0	3

3. Dr. D. Vijaya Saradhi presented a detailed explanation of the course structure and credit breakup for III B.Tech II Semester

S.No	Category	Title	L	T	P	Credits
1	PC	VLSI Design	3	0	0	3
2	PC	Microprocessors & Microcontrollers	3	0	0	3
3	PC	Digital Signal Processing	3	0	0	3
4	PE-II	1. Analog IC Design 2. Satellite Communication 3. Smart and Wireless Instrumentation 4. Machine Learning	3	0	0	3
5	PE-III	1. Bio Medical Instrumentation 2. Microwave Engineering 3. Embedded Systems 4. Artificial Intelligence	3	0	0	3
6	OE-II		3	0	0	3
7	PC	VLSI Design Lab	0	0	3	1.5
8	PC	Microprocessors & Microcontrollers	0	0	3	1.5
9	SEC	Machine Learning Lab	0	1	2	2
10	AC	Research methodology and IPR	2	0	0	-

Total			20	1	8	23
Open Electives, offered to other department students						
11	OE-II	Linear and Digital IC Applications	3	0	0	3
		Principles of Communications	3	0	0	3
		Principles of Signal Processing	3	0	0	3
		Microprocessors & Microcontrollers	3	0	0	3

4. Dr. D. Vijaya Saradhi presented a detailed explanation of the course structure and credit breakup and Syllabus for M.Tech (VLSI) I Year I st and II nd Sem

Programme Structure R25 MTech (VLSI) I=

Semester

S. No.	Course Code	Course Title	L	T	P	C
1	PC	Digital CMOS Circuit Design	3	1	0	4
2	PC	Analog CMOS Circuit Design	3	1	0	4
3	PC	MoS Device Physics	3	1	0	4
4	PE-I	Program Elective–I	3	0	0	3
5	PE-II	Program Elective–II	3	0	0	3
6		Digital CMOS Circuit Design Lab	0	1	2	2
7		Analog CMOS Circuit Design Lab	0	1	2	2
8		Seminar-I	0	0	2	1
		TOTAL	15	5	6	23

List of Professional Elective Courses in I Semester(Electives–I&II)

S.No.	Course Code	Course Title
1	PE-I	VLSI Technology
2	PE-I	Nano Scale Devices
3	PE-I	MOS Devices Modelling and Characterization
4	PE-I	Digital System Design through HDL
5	PE-II	VLSI Architectures
6	PE-II	Power Management IC Design
7	PE-II	Low Power Design Techniques
8	PE-II	CAD for VLSI

I-Semester

Sl.No.	Course Code	Course Title	L	T	P	C
1	PC	CMOS Mixed Signal Circuit Design	3	1	0	4
2	PC	Physical Design Verification	3	1	0	4
3	PC	VLSI Testing & Testability	3	1	0	4
4	PE-III	Program Elective–III	3	0	0	3
5	PE-IV	Program Elective-IV	3	0	0	3
6		CMOS Mixed Signal Circuit Design Lab	0	1	2	2
7		Physical Design Verification Lab	0	1	2	2
8		Seminar–II	0	0	2	1
		TOTAL	15	5	6	23

List of Professional Elective Courses in II Semester (Electives III & IV)

S.No.	Course Code	Course Title
1	PE-III	VLSI signal processing
2	PE-III	MEMS&NEMS
3	PE-III	SoC design
4	PE-III	Fundamentals of Semiconductor Package Manufacturing and Test
5	PE-IV	Advanced VLSI Inter connects
6	PE-IV	Quantum Computing
7	PE-IV	RF IC Design
8	PE-IV	NANOELECTRONICS

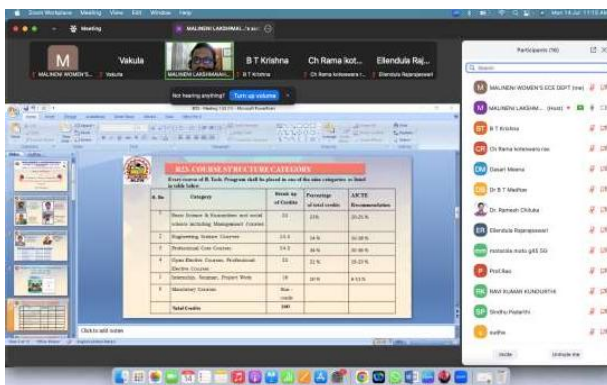
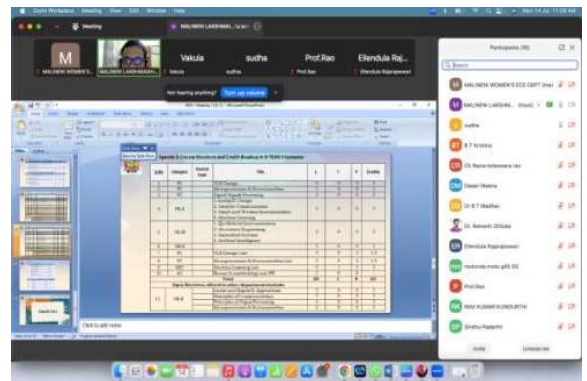
4. The Chairperson explained the guidelines for the Minor and Honors Degree programs and gave a detailed overview. The members reviewed and discussed the proposed courses and syllabus for both programs.

The Board approved the guidelines and syllabus for the Minor and Honors Degree programs. The approved guidelines, list of courses, and detailed syllabus are attached for reference.

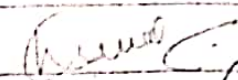
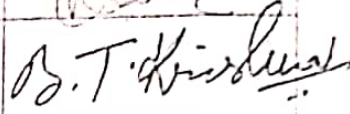
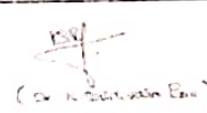
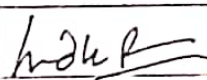
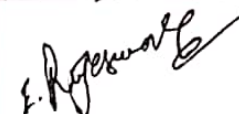
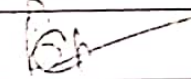
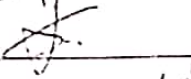
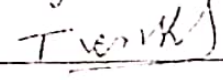
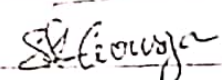
5. Dr. D. Vijaya Saradhi, Chairperson of the Board of Studies, provided a detailed explanation of the complete syllabus for the III B.Tech I and II Semester (3-1 and 3-2) course structure.

I. After lengthy deliberations and progressive discussions, all the Members of the BoS for ECE have unanimously approved The III Year First and Second Semester Course Structure and Syllabus.

II. The BoS Committee formally authorized the BoS Chair of ECE Department, to include any minor modifications or corrections needed for the UG Structures and syllabus at later dates, if approved by the Academic Council.



III. Signatures of Members Present:

S.No.	Name of the Member	Designation and Address	Position	Signature
1	Dr.D.Vijaya Saradhi	Professor	Chairperson	
2	Dr.B.T.Krishna	Professor, ECEUCET, JNTUK	University Nominee	
3	Dr.Vakula.D	Professor, ECE NIT, Warangal	Subject expert (Outside the Parent University)	
4	Dr.K.SrinivasaRao	Professor, ECE KL University, Guntur	Subject expert (Outside the Parent University)	
5	Dr.Sudha Rani Suram	Scientist-G DLRL, HYD	Industry Expert	
6	Ms.E.Raja Rajeswari	VLSI Hardware Developer IBM, Bangalore	Alumni	
7	Dr.Chiluka Ramesh	Professor	Internal Faculty Member	
8	Dr.K.Swetha	Professor	Internal Faculty Member	
9	Mr.B.T.Madhav	Associate Professor	Internal Faculty Member	
10	Mr.Ch.Rama Koteswara Rao	Associate Professor	Internal Faculty Member	
11	Mr.Y.Bhaskara Rao	Associate Professor	Internal Faculty Member	
12	Mr.T. Venkata Rao	Assistant Professor	Internal Faculty Member	
13	Ms.Sk.Gousya Begum	Assistant Professor	Internal Faculty Member	

Chairman – BoS
Dept of ECE



**MALINENI LAKSHMAIAHWOMEN'S ENGINEERING COLLEGE
(AUTONOMOUS)**

Guntur-522 017, Andhra Pradesh.

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MANCHINE
LEARNING**

Minutes of Meeting for reconstitution of BoS Committee

The Board of Studies (BoS) for B.Tech CSE-AIML Program has been reconstituted for the 3rd BoS Meeting held on 03-07-2025 in Virtual Mode.

The newly reconstituted members actively participated in the discussions and contributed their valuable suggestions.

The details of the reconstituted BoS members and their designations are listed below.

S.No	Name & Designation	Members	Signature
1	Dr. D. Ravi Kiran Professor & HOD, CSE-AIML	Chairperson	
2	Dr. N. Rama Krishnaiah Professor in CSE, UCEK, JNTUK	University Nominee	
3	Dr. Jeevana Jyothi Pujari Professor School of Computer Science and Engineering VIT-AP, Amaravathi	Subject expert from outside the parent University	
4	Dr. S. Hrushikesava Raju Professor, Dept. of CSE, KL University, Vaddeswaram, Guntur	Subject expert from outside the parent University	
5	K Sainadh Kumar Tech. lead ZF technology centre Hyderabad	Industry expert	
6	K. Sirisha	Faculty member	

PRINCIPAL
PRINCIPAL

MALINENI LAKSHMAIAH
WOMEN'S ENGINEERING COLLEGE
PULLADIGUNTA, GUNTUR-522017.



**MALINENI LAKSHMAIAHWOMEN'S ENGINEERING COLLEGE
(AUTONOMOUS)**

Guntur-522 017, Andhra Pradesh.

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE
LEARNING**

Minutes of Meeting

The 3rd BoS Meeting for B.Tech CSE-AIML Program was conducted on 03-07-2025 in Virtual Mode.

The Following members have attended the meeting.

S.No	Name & Designation	Members	Signature
1	Dr. D. Ravi Kiran Professor & HOD, CSE-AIML	Chairperson	
2	Dr. N. Rama Krishnaiah Professor in CSE, UCEK, JNTUK	University Nominee	
3	Dr. Jeevana Jyothi Pujari Professor School of Computer Science and Engineering VIT-AP, Amaravathi	Subject expert from outside the parent University	
4	Dr. S. Hrushikesava Raju Professor, Dept. of CSE, KL University, Vaddeswaram, Guntur	Subject expert from outside the parent University	
5	K Sainadh Kumar Tech. lead ZF technology centre Hyderabad	Industry expert	
6	K. Sirisha	Faculty member	

In the beginning of the meeting the Chairman of the Committee, **Dr.D.RAVIKIRAN** welcomed all the Internal BoS members and external members and gave briefing about the course Structure designed by JNTUK for **B.Tech-CSE-AI&ML** Course.

The meeting with presentation on proposed curriculum was presented by the chairman of the BoS committee.

General Comments:

1. **Dr.N.Rama Krishnaiah**, University Nominee, suggested to add additional course outcomes and Online references for the subjects
2. The Subject Expert, **Dr. Jeevana Jyothi Pujari**, recommended adding additional experiments for labs.
3. The external subject experts named **Dr .Hrushikesava Raju** told to follow the bloom's taxonomy levels to prepare Course outcomes.
4. Prepared syllabus for Open electives offered by the CSE-AI&ML to the other departments.
5. The Honors/Minors courses will be offered by the department in alignment with the curriculum framework.

Curriculum Justification:

By following recommendations of Subject experts course outcomes and online resources were added.

The following resolutions were approved :

SNO	Name Of The Subject	YEAR/ SEM	Course outcomes added as per Experts Suggestions
1	INFORMATION RETRIEVAL SYSTEMS	III-I	CO1: Explain the fundamental concepts of Information Retrieval (IR) systems and differentiate them from other types of information systems. CO2: Apply appropriate data structures and algorithms to design and implement efficient IR systems. CO3: Analyze the construction and modification techniques of inverted files and signature files for indexing large-scale textual data. CO4: Evaluate advanced indexing techniques such as PAT Trees, PAT Arrays, stoplists, and stemming algorithms used in text processing and compression. CO5: Implement and compare various string searching algorithms like KMP, Boyer-Moore, and Karp-Rabin in the context of IR tasks.
2	COMPUTER NETWORKS	III-I	CO1: Describe the types of computer networks, reference models (OSI and TCP/IP), and the evolution of the Internet. CO2: Analyze the design issues of the Data Link Layer and apply various protocols like HDLC and PPP for reliable data transmission. CO3: Explain the functionality of the Network Layer and implement routing algorithms, IP addressing schemes (IPv4, IPv6), and congestion control techniques. CO4: Compare the services and functionalities of transport layer protocols such as TCP, UDP, and SCTP in data communication.



			CO5: Demonstrate the application layer protocols and services like HTTP, DNS, Email, FTP, and Remote Login used in the Internet.
3	OPERATING SYSTEMS	III-I	CO1: Explain the fundamental concepts, functions, and structures of operating systems, including system calls and OS design principles. CO2: Apply process management concepts such as process scheduling, multithreading models, and inter-process communication in real-world scenarios. CO3: Analyze synchronization techniques and deadlock handling mechanisms to ensure correct and efficient process coordination. CO4: Evaluate memory management and virtual memory strategies, including paging, page replacement, and thrashing control. CO5: Describe and implement file system structures, storage management strategies, and protection mechanisms to ensure data integrity and access control.
4	AUTOMATA THEORY AND COMPILER DESIGN	III-I	CO1: Explain the fundamental concepts of finite automata, including DFA, NFA, and their conversions, along with applications such as pattern matching and text search. CO2: Apply regular expressions, context-free grammars, and the pumping lemma to represent and analyze regular and context-free languages. CO3: Analyze the working of Pushdown Automata and Turing Machines to classify language types and determine decidability and undecidability of problems. CO4: Illustrate the structure of a compiler and demonstrate the roles of lexical and syntax analysis using tools like Lex and parsing techniques (Top-down, Bottom-up, LR). CO5: Develop syntax-directed translation schemes and generate intermediate code using syntax trees and three-address code, while understanding memory management at runtime.






5	COMPUTER NETWORKS LAB	III-I	CO1: Demonstrate the setup and configuration of Local Area Networks using networking devices and tools. (BT Level: Understand & Apply) CO2: Implement data link layer protocols such as framing methods (bit stuffing, character stuffing), error detection (CRC, checksum), and error correction (Hamming code). CO3: Develop and simulate reliable data transmission techniques including Stop-and-Wait, Go-Back-N, and Selective Repeat protocols. CO4: Apply network layer routing algorithms like Dijkstra's and Distance Vector to compute shortest paths and routing tables. CO5: Use network analysis tools like Wireshark, Nmap, and NS2 simulator to monitor traffic, analyze performance, detect congestion, and evaluate protocol behavior.
6	MOBILE ADHOC AND SENSOR NETWORKS	III-II	CO1: Explain the fundamental concepts, characteristics, and enabling technologies of Mobile Ad Hoc Networks (MANETs) and their role in 4G and wireless communication. CO2: Analyze the performance and challenges of protocols and mechanisms such as scatternet formation, topology control, antenna beamforming, and activity scheduling in Ad Hoc networks. CO3: Evaluate various routing approaches, energy-efficient communication strategies, and security mechanisms for building reliable and self-organized Ad Hoc networks. CO4: Model and simulate wireless, mobile, and Ad Hoc networks while addressing cross-layer interactions and algorithmic challenges. CO5: Demonstrate understanding of sensor networks including infrastructure, localization, control, sensor databases, tools, and their industrial applications and research trends.

Textbooks and Online Resources:

SNO	Name Of The Subject	YEAR/ SEM	List of Text Books and online resources added as per Experts Suggestions
1	INFORMATION RETRIEVAL SYSTEMS	III-I	Reference Book(s) 1 Information Retrieval: Data Structures & Algorithms by William B. Frakes and Ricardo Baeza-Yates TMH Online Learning Resources: 1. http://www.icodeguru.com/vc/10book/books/book5/toc.htm

Chairman-BoS

Department of CSE-AIML



MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE

(AUTONOMOUS)

Guntur-522 017, Andhra Pradesh.

B. Tech CSE (AI&ML)

COURSE STRUCTURE & SYLLABUS

B.Tech. – III Year I Semester

S.No.	Category	Title	L	T	P	C
1	Professional Core	Information Retrieval Systems	3	0	0	3
2	Professional Core	Computer Networks	3	0	0	3
3	Professional Core	Operating Systems	3	0	0	3
4	Professional Elective-I	1. Software Engineering 2. Cloud Computing 3. Internet of Things 4. Exploratory Data Analysis with Python 5. Automata Theory & Compiler Design	3	0	0	3
5	Open Elective- I	Offered by Other Department / Entrepreneurship Development & Venture Creation	3	0	0	3
6	Professional Core	Information Retrieval Lab	0	0	3	1.5
7	Professional Core	Computer Networks Lab	0	0	3	1.5
8	Skill Enhancement course	Full Stack development -2 /SWAYAM Plus-Data Engineer/AI Engineer/	0	1	2	2
9	ES	Tinkering Lab (User Interface Design using Flutter)	0	0	2	1
10	Evaluation of Community Service Project Internship		-	-	-	2
Total			15	1	10	23
MC	Student may select from the Same Minor Pool		3	0	3	4.5
MC	Minor Course through SWAYAM / NPTEL (Minimum 12 Week, 3 credit course)		3	0	0	3
HC	Student may select from the Same Honors Pool		3	0	0	3
HC	Student may select from the Same Honors Pool		3	0	0	3



MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE

(AUTONOMOUS)

Guntur-522 017, Andhra Pradesh.

B. Tech CSE (AI&ML)

COURSE STRUCTURE & SYLLABUS

B. Tech.- III Year II Semester

S.No.	Category	Title	L	T	P	C
1	Professional Core	Natural Language Processing	3	0	0	3
2	Professional Core	Deep Learning	3	0	0	3
3	Professional Core	Data Visualization	3	0	0	3
4	Professional Elective-II	1. Software Testing Methodology 2. Cryptography & Network Security 3. DevOps 4. Recommender Systems 5. Any of the 12-Week SWAYAM /NPTEL Course suggested by the BoS	3	0	0	3
5	Professional Elective-III	1. Software Project Management 2. Mobile Adhoc Networks 3. Computer Vision 4. NoSQL Databases 5. Any of the 12-Week SWAYAM /NPTEL Course suggested by the BoS	3	0	0	3
6	Open Elective - II	Offered by Other Department	3	0	0	3
7	Professional Core	Deep Learning Lab	0	0	3	1.5
8	Professional Core	Data Visualization Lab	0	0	3	1.5
9	Skill Enhancement course	Soft skills	0	1	2	2
10	Audit Course	Technical Paper Writing & IPR	2	0	0	-
Total			20	1	8	23
Mandatory Industry Internship / Mini Project of 08 weeks duration during summer vacation						
MC	Student may select from the same minor pool		3	0	3	4.5
MC	Minor Course (Student may select from the same specialized minors pool)		3	0	0	3
HC	Student may select from the same honor's pool		3	0	0	3
HC	Honors Course (Student may select from the honors pool)		3	0	0	3

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MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE
(AUTONOMOUS)

Guntur-522 017, Andhra Pradesh.

B. Tech CSE (AI&ML)

COURSE STRUCTURE & SYLLABUS

**Under Industry Internship interested students can pursue SWAYAM Plus courses viz, Hands on Masterclass on Data Analytics OR Artificial Intelligence for Real –World Applications.*

Note: Student need to do at least ONE MOOC Course (3 credits out of 160 credits) to meet the mandatory requirement (11th criteria, as per R23 Regulations)

Open Electives, offered to other department students:

Open Elective I: Operating Systems / Computer Organization and Architecture

Open Elective II: Database Management Systems

Open Elective III: Object Oriented Programming Through Java

Open Elective IV: Computer Networks / Software Engineering / IOT Based Smart Systems

K. R. Sai

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K. R. Sai

S. H. Raju

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MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE

(AUTONOMOUS)

Guntur-522 017, Andhra Pradesh.

B. Tech CSE (AI&ML)

COURSE STRUCTURE & SYLLABUS

III B. Tech I Semester	INFORMATION RETRIEVAL SYSTEMS	L	T	P	C
		3	0	0	3

Course Objectives:

The objectives of this course are to

- Explain the fundamental concepts of Information Retrieval (IR) systems and differentiate them from other types of information systems.
- Apply appropriate data structures and algorithms to design and implement efficient IR systems.
- Analyze the construction and modification techniques of inverted files and signature files for indexing large-scale textual data.
- Evaluate advanced indexing techniques such as PAT Trees, PAT Arrays, stoplists, and stemming algorithms used in text processing and compression.
- Implement and compare various string searching algorithms like KMP, Boyer-Moore, and Karp-Rabin in the context of IR tasks.

Unit I: Introduction to Information storage and retrieval systems: Domain Analysis of IR systems, IR and other types of Information Systems, IR System Evaluation.

Introduction to Data structures and algorithms related to Information Retrieval: Basic Concepts, Data structures, Algorithms.

Unit II: Inverted Files and Signature Files: Introduction, Structures used in Inverted Files, building an Inverted file using a sorted array, Modifications to the Basic Techniques.

Signature Files: Concepts of Signature files, Compression, Vertical Partitioning, Horizontal Partitioning.

Unit III: New Indices for Text, Lexical Analysis and Stoplists: PAT Trees and PAT Arrays:

Introduction, PAT Tree structure, Algorithms on the PAT Trees, Building PAT Trees as PATRICA Trees, PAT representation as Arrays. Stoplists.

Unit IV: Stemming Algorithms and Thesaurus Construction: Types of Stemming algorithms, Experimental Evaluations of Stemming, stemming to Compress Inverted Files.

Thesaurus Construction: Features of Thesauri, Thesaurus Construction, Thesaurus construction from Texts, Merging existing Thesauri.

Unit V: String Searching Algorithms: Introduction, Preliminaries, The Naive Algorithm, The Knutt-Morris-Pratt Algorithm, The Boyer-Moore Algorithm, The Shift-Or Algorithm, The Karp-Rabin Algorithm.

TEXT BOOKS

1. Modern Information Retrieval, Ricardo Baeza-Yates, Neto, PEA, 2007.
2. Information Storage and Retrieval Systems: Theory and Implementation, Kowalski, Gerald

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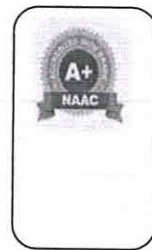


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Department of CSE (Data Science)

Minutes of the Board of Studies (BoS) Meeting

The Third BoS meeting of CSE (Data Science) Department was held virtually using the Zoom Online Meeting Platform on **JULY 05, 2025**, at **12.30 pm**.

Members Present:

S. No.	Members	Name & Designation	Status of Attendance	Signature
1	Chairperson	Dr. N Hari Krishna, Professor & HOD of CSE-DS	PRESENT	
2	University Nominee	Dr. MHM Krishna Prasad, Director - Academics, Professor of CSE, UCEK, JNTU Kakinada Ph: 9989337589 Email: principal_jntucek@yahoo.com krishnaprasad.mhm@gmail.com	PRESENT	
3	Subject expert from outside the parent University	1. Dr.P.Radhika, Principal, Vignan's Nirula Institute of Technology and science for women, Guntur. Email: rspathuri@yahoo.com Ph: 9866222280	PRESENT	
		2. Dr. U. Naga Gopi Raju Professor CSE, Chalapathi Institute of Engineering and Technology, Lam, Guntur Email: gopi.raju524@gmail.com Ph:9492576518	PRESENT	
4	Representative from Industry	Mr. B. Jaya Krishna Sr. Developer, IBM, Hyderabad Email: jayabalineni@in.ibm.com Ph: 9989665975	PRESENT	
5	Member	Mr. I Phani Kumar, Asst. Prof., MLWEC	PRESENT	
7	Member	Mr. Sk. Rabbani, Asst. Prof, MLWEC	PRESENT	
8	Member	Mr. K. Praveen Kumar, Asst. Prof, MLWEC	PRESENT	
9	Member	Ms. Ch. Haritha, Asst. Prof, MLWEC	PRESENT	

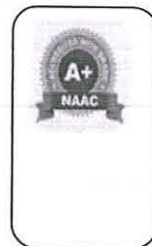


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Pulladigunta (Vil), Vatticherukuru (Md), Prathipadu Road, Guntur – 522 017 A.P.



Meeting Agenda

Item No: 1

Discussion on Proposed Course Structure of III B.Tech. I semester and II Semester.

Item No: 2

Discussion on Proposed Syllabus of Courses offered by the Dept. in III B.Tech. I semester and II Semester.

Item No: 3

Discussion on Minor and Honor courses.

Item No: 4

Any Other Points raised by BoS Members with the permission of chair.

Resolutions:

Item No: 1 - Discussion on Proposed Course Structure of III B.Tech. I semester and II Semester

At the outset, the Chairperson of BoS, Dr. N. Hari Krishna, welcomed all the members for the 3rd BoS Meeting.

- The proposed course structure of III B.Tech. I Semester and II Semester was presented.
- Members were requested to suggest modifications.
- The course structure was approved without alterations.
- The approved Course Structure is given below:

Course Structure: III-B.Tech - I Semester for CSE (Data Science)

S.No.	Category	Title	L	T	P	Credits
1	Professional Core	Machine Learning	3	0	0	3
2	Professional Core	Computer Networks	3	0	0	3
3	Professional Core	Software Engineering	3	0	0	3
4	Professional Elective-I	1. Automata Theory & Compiler Design 2. Object Oriented Analysis and Design 3. Soft computing 4. Internet of Things 5. Any of the 12-Week SWAYAM /NPTEL Course suggested by the BoS	3	0	0	3
5	Open Elective- I	Open Elective offered from other Department OR Entrepreneurship Development & Venture Creation	3	0	0	3
6	Professional Core	Machine Learning Lab	0	0	3	1.5
7	Professional Core	Computer Networks Lab	0	0	3	1.5
8	Skill Enhancement course	Full Stack development -1 / SWAYAM Plus – Data Engineer / AI Engineer	0	1	2	2

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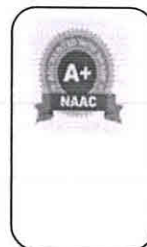
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9	ES	Tinkering Lab (User Interface Design using Flutter)/ SWAYAM Plus - Android Application Development (with Flutter)	0	0	2	1
10	Evaluation of Community Service Project Internship		-	-	-	2
Total			15	1	10	23
MC	Student may select from the Same Minor Pool		3	0	3	4.5
MC	Minor Course through SWAYAM / NPTEL (Minimum 12 Week, 3 credit course)		3	0	0	3
HC	Student may select from the Same Honors Pool		3	0	0	3
HC	Student may select from the Same Honors Pool		3	0	0	3

Course Structure: III-B.Tech - II Semester for CSE (Data Science)

S. No.	Category	Title	L	T	P	C
1	Professional Core	Deep Learning	3	0	0	3
2	Professional Core	Operating Systems	3	0	0	3
3	Professional Core	Data Visualization	3	0	0	3
4	Professional Elective-II	1. Social Media Analytics 2. Cryptography & Network Security 3. Recommender Systems 4. Cloud Computing 5. Sensor Networks	3	0	0	3
5	Professional Elective-III	1. Software Project Management 2. Quantum Computing 3. Computer Vision 4. NoSQL databases 5. Any of the 12-Week SWAYAM /NPTEL Course suggested by the BoS	3	0	0	3
6	Open Elective – II	Open Elective offered from other Department	3	0	0	3
7	Professional Core	Deep Learning Lab	0	0	3	1.5
8	Professional Core	Data Visualization Lab	0	0	3	1.5
9	Skill Enhancement course	Soft skills	0	1	2	2
10	Audit Course	Technical Paper Writing & IPR	2	0	0	-
Total			20	01	08	23

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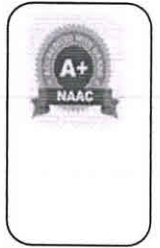
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*Mandatory Industry Internship / Mini Project of 08 weeks duration during summer vacation					
MC	Student may select from the same minors pool	3	0	3	4.5
MC	Minor Course (Student may select from the same specialized minors pool)	3	0	0	3
	Student may select from the same honors pool	3	0	0	3
HC	Honors Course (Student may select from the honors pool)	3	0	0	3

Item No : 2 - Discussion on Proposed Syllabus of Courses offered by the Dept. in III B.Tech. I semester and II Semester

- The proposed syllabus was presented and discussed.
- Members reviewed the syllabus thoroughly.
- The syllabus was approved without modifications.
- The approved syllabus is attached as Annexure-A.

Item No : 3 - Discussion on Minor and Honor courses.

The Committee discussed the introduction and offering of Minor and Honors courses as per MR23 guidelines. The Chairperson explained the objectives of these courses in providing students with an opportunity to pursue interdisciplinary knowledge (Minor) and advanced/specialized knowledge in their own discipline (Honors).

Members deliberated on:

- Eligibility criteria for students to register for Minor and Honors courses.
- Number of credits, course structure, and evaluation procedure.
- Alignment of course content with industry requirements and emerging technologies.
- Faculty expertise and availability for offering these courses.

After detailed discussion, the Committee approved the proposed list of Minor and Honors courses to be offered by the department.

Item No : 4 - Suggestions by the BoS Members:

1. **Dr. M. H. M. Krishna Prasad, JNTUK Nominee**, recommended introducing an additional tutorial hour for Quantum Computing in the III Year II Semester. This would help students gain deeper conceptual understanding of the subject.
2. **Dr. P. Radhika, External Subject Expert**, suggested motivating students to develop prototypes in Full Stack Development. This hands-on approach would enhance problem-solving and practical implementation skills.

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3. **Dr. U. Naga Gopi Raju, External Subject Expert**, advised that every lab course should lead to at least one real-time application. This ensures students apply theoretical knowledge to industry-relevant solutions.
4. **Mr. B. Jaya Krishna, Industry Expert**, proposed conducting additional lab trials for Machine Learning. This would provide students with stronger practical exposure to emerging technologies.

Finally, Chairperson of BOS thanked all the members of their valuable inputs and active participation in the meeting.

Chairperson
BoS-CSE(DS), MLWEC



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CSE- Data Science (MR23 IIIrd Year) COURSE STRUCTURE & SYLLABUS

B.Tech. – III Year I Semester

S.No.	Category	Title	L	T	P	Credits
1	Professional Core	Machine Learning	3	0	0	3
2	Professional Core	Computer Networks	3	0	0	3
3	Professional Core	Software Engineering	3	0	0	3
4	Professional Elective-I	1. Automata Theory & Compiler Design 2. Object Oriented Analysis and Design 3. Soft computing 4. Internet of Things 5. Any of the 12-Week SWAYAM /NPTEL Course suggested by the BoS	3	0	0	3
5	Open Elective- I	Offered by Other Department Elective OR Entrepreneurship Development & Venture Creation	3	0	0	3
6	Professional Core	Machine Learning Lab	0	0	3	1.5
7	Professional Core	Computer Networks Lab	0	0	3	1.5
8	Skill Enhancement course	Full Stack development -1 / SWAYAM Plus – Data Engineer / AI Engineer	0	1	2	2
9	ES	Tinkering Lab (User Interface Design using Flutter)/ SWAYAM Plus - Android Application Development (with Flutter)	0	0	2	1
10	Evaluation of Community Service Project Internship		-	-	-	2
Total			15	1	10	23
MC	Student may select from the Same Minor Pool		3	0	3	4.5
MC	Minor Course through SWAYAM / NPTEL (Minimum 12 Week, 3 credit course)		3	0	0	3
HC	Student may select from the Same Honors Pool		3	0	0	3
HC	Student may select from the Same Honors Pool		3	0	0	3

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CSE- Data Science (MR23 IIIrd Year) COURSE STRUCTURE & SYLLABUS

B. Tech– III Year II Semester

S.No	Category	Title	L	T	P	C
1	Professional Core	Deep Learning	3	0	0	3
2	Professional Core	Operating Systems	3	0	0	3
3	Professional Core	Data Visualization	3	0	0	3
4	Professional Elective-II	1. Social Media Analytics 2. Cryptography & Network Security 3. Recommender Systems 4. Cloud Computing 5. Sensor Networks	3	0	0	3
5	Professional Elective-III	1. Software Project Management 2. Quantum Computing 3. Computer Vision 4. NoSQL databases 5. Any of the 12-Week SWAYAM/NPTEL Course suggested by the BoS	3	0	0	3
6	Open Elective – II	Offered by Other Department Elective	3	0	0	3
7	Professional Core	Deep Learning Lab	0	0	3	1.5
8	Professional Core	Data Visualization Lab	0	0	3	1.5
9	Skill Enhancement course	Soft skills	0	1	2	2
10	Audit Course	Technical Paper Writing & IPR	2	0	0	-
Total			20	01	08	23
*Mandatory Industry Internship / Mini Project of 08 weeks duration during summer vacation						
MC	Student may select from the same minors pool		3	0	3	4.5
MC	Minor Course (Student may select from the same specialized minors pool)		3	0	0	3
	Student may select from the same honors pool		3	0	0	3
HC	Honors Course (Student may select from the honors pool)		3	0	0	3

* Under Industry Internship interested students can pursue SWAYAM Plus courses viz., Hands-on Masterclass on Data Analytics OR Artificial Intelligence for Real-World Application

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CSE- Data Science (MR23 IIIrd Year) COURSE STRUCTURE & SYLLABUS

Note : Student need to do at least ONE MOOC Course (3 credits out of 160 credits) to meet the mandatory requirement (11th criteria, as per R23 Regulations)

Open Electives, offered to other department students:

- Open Elective I: Operating Systems / Computer Organization and Architecture
- Open Elective II: Database Management Systems
- Open Elective III: Object Oriented Programming Through Java
- Open Elective IV: Computer Networks / Software Engineering / IOT Based Smart Systems

Minor Engineering

Note:

1. To obtain Minor Engineering, student needs to obtain 18 credits by successfully completing any of the following courses in the concern stream.
2. During Minor/Honors Course selection, there should not be any overlapping with Regular/Major/OPEN Electives

Minor in Data Science

- | | |
|---------------------------------|--------------------|
| 1. Introduction to Data Science | 3-0-3-4.5 (II-II) |
| 2. Operating Systems | 3-0-0-3 (III-I) |
| 3. Data Engineering | 3-0-3-4.5 (III-II) |
| 4. Deep Learning | 3-0-0-3 (IV-I) |

Any of the following 12 Week 3 credit NPTEL MOOC Courses

5. Introduction to Database Systems
6. Artificial Intelligence: Knowledge Representation and Reasoning
7. Computer Networks and Internet Protocol
8. Fundamentals of Object Oriented Programming
9. Discrete Mathematics for CS
10. Software Engineering

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CSE- Data Science (MR23 IIIrd Year) COURSE STRUCTURE & SYLLABUS

Suggested MOOC Courses for Honors Degree in Data Science

Note: To obtain Honor's degree, student needs to obtain 18 credits by successfully completing any of the following courses in the concern stream (without duplication).

Mandatory Course(s):

1. Deep Learning for Natural Language Processing - 12 Week 3 Credit Course, MOOCS
2. Applied Time-Series Analysis 12 Week 3 Credit Course, MOOCS

Any of the following for remaining 12 Credits

3. Social Network Analysis 12 Week 3 Credit Course, MOOCS
4. Privacy and Security in Online Social Media 12 Week 3 Credit Course, MOOCS
5. Reinforcement Learning 12 Week 3 Credit Course, MOOCS
6. Algorithms in Computational Biology and Sequence Analysis 12 Week 3 Credit Course, MOOCS
7. GPU Architecture and Programming 12 Week 3 Credit Course, MOOCS
8. Quantum Algorithms and Cryptography 12 Week 3 Credit Course, MOOCS
9. Affective Computing 12 Week 3 Credit Course, MOOCS
10. Unmanned Aerial Systems & Robotics 12 Week 3 Credit Course, MOOCS

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Guntur-522017, Andhra Pradesh, India

**Department of Artificial Intelligence and Data Science****Date:** 05-July-2025

The minutes of meeting of Third BOS meeting for the department of **Artificial Intelligence and Data Science** was held on **05-July-2025** in AI & DS HOD Chamber.

Members Present:

S. No.	Members	Name & Institution	Status of Attendance	Signature
1	Chairperson	Dr. N. Ch. Jaya Rao, Associate Professor & HOD Ph: 8008207088 E-Mail: aidshod@malinenicolleges.ac.in	Present	
2	University Nominee	Dr. O. Srinivasa Rao, Professor of CSE, UCEK, JNTUK Ph: 94419 51718 E-Mail: osr.phd@jntucek.ac.in	Present	
3	Subject experts from outside the college	1. Dr. M. N. V. Kiran Babu, Associate Professor, Dept. of CSA, KL University. Ph: 98853 43478 E-Mail: mnvkiranbabu@kluniversity.in	Present	
		2. Dr. K. Nageswara Rao, Professor Dept. of CSE, Narasaraopet Engineering College, Narasaraopet. Ph: 98661 86158 E-Mail: nageswararaokapu@yahoo.com	Present	
4	Representative from Industry	Ms. Posam Sai Meghana, Senior Software Engineer, Wipro, Chennai. Ph: 91779 39767 E-Mail: posammeghana02@gmail.com	Present	
5	Member	Ms. M. Bharathi Rani Assistant Professor Ph: 9866122669 E-Mail: bharathiranimurakonda@gmail.com	Present	
6	Member	Mr. A. Surendra Babu Assistant Professor Ph: 9381332812 E-Mail: surendrababuannapareddi@gmail.com	Present	

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Guntur-522017, Andhra Pradesh, India



Department of Artificial Intelligence and Data Science

7	Member	Mr. B. M. Rao Assistant Professor Ph: 9494241882 E-Mail: marjun.mlew@gmail.com	Present	
8	Member	Mr. A. Rama Krishna Assistant Professor Ph: 8328268154 E-Mail: rk.avvaru5@gmail.com	Present	
9	Member	Ms. P. Jaya Assistant Professor Ph: 9642484804 E-Mail: jaya1259@gmail.com	Present	

Meeting Agenda:

Item No: 1

Discussion on Proposed Course Structure of III B. Tech I Semester & Ratification of the same

Item No: 2

Discussion on Proposed Course Structure of III B. Tech II Semester & Ratification of the same

Item No: 3

Discussion on Minor and Honor courses

Item No: 4

Discussion on proposed Open Elective courses of 3rd B. Tech offered by AI&DS department to other departments

Item No: 5

Discussion on Proposed Syllabus of Courses Offered by Department in III B. Tech

Item No: 6

Any Other Points raised by BOS Members

Item No:1

Discussion on Proposed Course Structure of III B. Tech, I-Sem and Ratification of the same.

III-B. Tech - I Semester Artificial Intelligence and Data Science

S. No	Category	Title	L	T	P	C
1	Professional Core	Data Warehousing and Data Mining	3	0	0	3
2	Professional Core	Principles of Machine Learning	3	0	0	3
3	Professional Core	Data Visualization	3	0	0	3

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**Department of Artificial Intelligence and Data Science**

4	Professional Elective-I	1.Object Oriented Analysis and Design 2.Soft Computing 3.Internet of Things 4.Exploratory Data Analysis with Python	3	0	0	3
5	Open Elective- I	Open Electives offered by other departments (OR) Entrepreneurship Development & Venture Creation	3	0	0	3
6	Professional Core	Data Warehousing and Machine Learning Lab	0	0	3	1.5
7	Professional Core	Data Visualization Lab	0	0	3	1.5
8	Skill Enhancement course	Full Stack Development-2 / SWAYAM Plus – Data Engineer / AI Engineer	0	1	2	2
9	ES	Tinkering Lab (User Interface design using Flutter)	0	0	2	1
10	Evaluation of Community Service Internship		-	-	-	2
Total			15	1	10	23
MC	Minor Course (Student may select from the same specialized minors pool)		3	0	3	4.5
MC	Minor Course through SWAYAM / NPTEL (Minimum 12 Week, 3 credit course)		3	0	0	3
HC	Honors Course (Student may select from the same Honors pool)		3	0	0	3
HC	Honors Course (Student may select from the same Honors Pool)		3	0	0	3

The Course Structure of III B. Tech I-Sem is put before the BOS Members and asked for any changes in the courses offered by Department of Artificial Intelligence and Data Science. All the BOS members accepted this course structure and ratified the same.

Item No: 2

Discussion on Proposed Course Structure of III B. Tech, II-Sem and Ratification of the same.

III B. Tech, II Semester, Artificial Intelligence and Data Science

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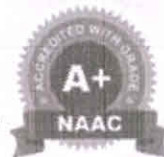
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**Department of Artificial Intelligence and Data Science**

S. No	Category	Title	L	T	P	C
1	Professional Core	Big Data Analytics	3	0	0	3
2	Professional Core	Deep Learning	3	0	0	3
3	Professional Core	Natural Language Processing	3	0	0	3
4	Professional Elective- II	1. Cryptography & Network Security 2. Operating Systems 3. Recommender Systems 4. Computer Vision 5. Automata Theory & Compiler Design	3	0	0	3
5	Professional Elective- III	1. Quantum Computing 2. NoSQL databases 3. Cloud Computing 4. Social Media Analytics 5. Any of the 12-Week SWAYAM /NPTEL Course suggested by the BoS	3	0	0	3
6	Open Elective – II	Open Electives offered by other departments	3	0	0	3
7	Professional Core	Deep Learning & Natural Language Processing Lab	0	0	3	1.5
8	Professional Core	Big Data Analytics Lab	0	0	3	1.5
9	Skill Enhancement course	Soft skills / SWAYAM Plus - 21 st Century Employability Skills	0	1	2	2
10	Audit Course	Technical Paper Writing & IPR	2	0	0	-
Total:			20	1	8	23
*Mandatory Industry Internship/Mini Project of 08 weeks duration during summer vacation						
MC	Student may select from the same minors pool		3	0	3	4.5
MC	Minor Course (Student may select from the same specialized minors pool)		3	0	0	3
HC	Student may select from the same honors pool		3	0	0	3
HC	Honors Course (Student may select from the honors pool)		3	0	0	3

The Course Structure of III B. Tech II-Sem is put before the BOS Members and asked for any changes in the courses offered by Department of Artificial Intelligence and Data Science. All the BOS members accepted this course structure and ratified the same.

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Guntur-522017, Andhra Pradesh, India



Department of Artificial Intelligence and Data Science

Item No: 3

Discussion on Minor and Honor courses

The committee discussed the introduction and offering of Minor and Honor courses as per MR23 guidelines. The Chairperson explained the objectives of these courses in providing students with an opportunity to pursue interdisciplinary knowledge (Minor) and advanced/specialized knowledge in their own discipline (Honors).

Members deliberated on:

- Eligibility criteria for students to register for Minor and Honor courses.
- Number of credits, course structure, and evaluation procedure.
- Alignment of courses content with industry requirements and emerging technologies.
- Faculty expertise and availability for offering these courses.

After detailed discussion, the committee approved the proposed list of Minor and Honor courses to be offered by the department.

Item No: 4

Discussion on proposed Open Elective courses of 3rd B. Tech offered by AI&DS department to other departments

The comments on this point are mentioned in Item No. 6

Item No: 5

Discussion on Proposed Syllabus of Courses Offered by Department in III B. Tech, I Sem and Ratification of the same.

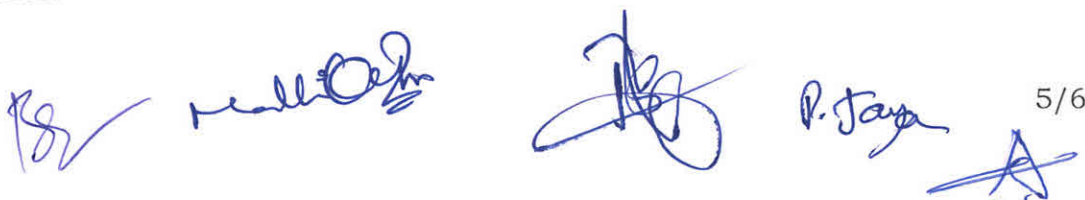
Proposed Syllabus of the Courses Offered by the Department of Artificial Intelligence and Data Science is put before the BOS Members and asked for the modifications if any. As per the suggestions given by BOS members syllabus is modified without deviating the norms and ratified the same.

Discussion on Proposed Syllabus of Courses Offered by Department in III B. Tech, II Sem and Ratification of the same.

Proposed Syllabus of the Courses Offered by the Department of Artificial Intelligence and Data Science is put before the BOS Members and asked for the modifications if any. As per the suggestions given by BOS members syllabus is modified without deviating the norms and ratified the same.

Item No: 6

1. The chairperson **Dr. N. Ch. Jaya Rao** stated that we have adopted the JNTUK syllabus as it is for the III B. Tech first and second semesters of the AI&DS branch.



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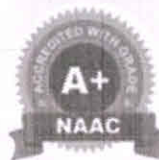
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Department of Artificial Intelligence and Data Science

2. University nominee **Dr. O. Srinivasa Rao** suggested that each open elective should have a pool of at least four courses, with continuity or interlinking between one elective and the next. The **Chairperson** responded that they will include four courses in each elective, ensuring continuity between successive open electives.
3. **Dr. M. N. V. Kiran Babu** raised a point regarding the introduction of Full Stack Development-1 in the II-II semester during the second BoS meeting and inquired about its continuity in the third year. The **Chairperson** replied that a continuation course, Full Stack Development-2, has been included in III-I semester, and the syllabus was also presented, which satisfied Dr. Kiran Babu.

Additionally, **Dr. Kiran Babu** appreciated the introduction of the Quantum Computing course, stating that it is encouraging to see such latest technology courses being offered.

4. **Dr. K. Nageswara Rao** raised the same point about Open Electives regarding listing a Minimum of four subjects in each open elective.
5. **Ms. Sai Meghana** from the industry commented that while the subjects chosen are appropriate, there is concern about whether students are truly utilizing lab-related skills. She emphasized that due to the current wave of layoffs in software companies driven by AI advancements, it is crucial to ensure that students develop strong coding skills to stay competitive in the industry.

Finally, Chairman of BOS thanked all the members of their valuable inputs and active participation in the meeting.


Chairperson

BOS – AI & DS, MLWEC.





NALINI LAKSHMAIAH WOMEN



Nageswara Rao



You are screen sharing

Stop share



Rana Krishna



Murakonda Bharath Ram



E MALLIKARJUNA RAO





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Minutes of Board of Studies Meeting

Date: 25.07.2025

The SECOND External Board of Studies Meeting of the Department of MBA was held online on 25-07-2025 at 4.00p.m. In Zoom platform to finalize the syllabus for MBA II under R-24 regulations

The following members were present:

S.No.	Name of the BoS Member	Designation	Attendance	Signature
1	Mr P.KALYANA CHAKRAVARTHI	Chairman, Assoc Prof & HoD MBA	PRESENT	
2	DR A.Krishna Mohan	University Nominee and External BoS Member	PRESENT	
3	Dr.M.S.Narayana	Subject Expert and External BoS Member	PRESENT	
4	DrM.Siva Koti Reddy	Subject Expert and External BoS Member	PRESENT	
5	Mr P.Veeraiah	Assoc Prof, Member	PRESENT	
6	Mr G.Baji	Asst Prof, Member	PRESENT	
7	Mrs B.NagaSayamala	Asst Prof, Member	PRESENT	
8	Ms P.Kalyani	Asst Prof, Member	PRESENT	
9	Ms. J. Pravallika	Asst Prof, Member	PRESENT	
10	Mr.M.S.S Ganesh	Industry Expert and External BoS Member	PRESENT	
11	Mrs M.Bindu Priya	Member, Alumnus	ABSENT	

At the onset of the meeting, the Chairman of BoS, Assoc Prof P.Kalyan Chakravarthi, welcomed all the members and introduced members to the External Subject Experts. The meeting began with the presentation of curriculum by the chair for semesters II-I, II-II for P.G MBA. He then presented the syllabus of all subjects of II-I and II-II semesters under R-24 regulations followed by presentation of syllabus of all subjects under R-24 regulations for approval, prepared by the internal BOS members.

Resolutions in Meeting

Agenda: To discuss and finalize the syllabus of the proposed P.G MBA II-I & II-II Semester courses of R-24 (Autonomous) regulations and B.Tech. III-I (ENTREPRENEURSHIP AND VENTURE CREATION)

Resolutions: Syllabus of P.G MBA II-I & II-II Semester is approved by the Board of Studies Committee.

1. Encl: **Syllabus Copies for MBA II-I SEM & II-II SEM subjects.**
2. Syllabus copy for B.Tech. III-I.

General Comments

3. External BoS expert Pro A.Krishna Mohan enquired about internal and external evaluation procedures .Mr.P.Veeraiah explained the norms being followed at MLEW.
4. External BoS expert Dr.M.S. Narayana has asked to include year of publication and edition for the recommended text books in each subject.
5. External BoS expert Dr M.Siva Koti Reddy Suggested that students have to participate various Management activities to get more exposure regarding Industrial requirements and also to get real time experience.
6. The external BoS members expressed their satisfaction towards the contents for each subject prepared by the internal BoS members.
7. Chairman Mr P.Kalyan Chakravarthi informed the BoS members that the syllabus of core subjects is going to follow as per University Syllabus for PG MBA II/I & II/II subjects.

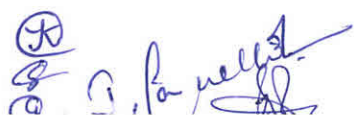
Curriculum related Comments

Comments by Subject Expert and External BoS Member Prof A.Krishna Mohan:

1. Advised to conduct more activities and Internship for student's exposure.
2. Suggested to conduct Webinars/Seminars for Students.
3. Suggested to do Online courses to acquire more Knowledge in their Subjects
4. **Advised to go for dual specialization based on student choice.**

Comments by Subject Expert and External BoS Member Dr.M.S. Narayana:

1. Opined to specify respective streams for Professional Electives mentioned in the curriculum.
2. Suggested to send students to More Industrial Visits.





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Sl.No	Course	Year	Sem	Name of the Subject	Branch
01	MBA	II	I & II	All Subjects	MBA
02	B.Tech	III	I	EDVC	All Branches of B.Tech.

Signature of External Member 1

Member 2

Signature of External

Signature Industry Expert

Signature of University Nominee

(Mr P.KALYANA CHAKRAVARTHI)

Chairman, BoS

Handwritten signatures and initials in the bottom left corner.

Comments by Industry Expert and External BoS Member Mr.M.S.S.Ganesh:

1. Mr.M.S.S Ganesh suggested that Students has to learn some additional Courses mandatory Like SAP,HCM, etc in view of the importance of this course in Placements.
2. Mr.M.S.S Ganesh also suggested that Students has to Improve Communication Skills and Soft Skills.

According to the comments made by the Subject Experts and Industry Expert, the Chairman Mr P.Kalyan Chakravarthi decided to implement the following

1. To Conduct More activity oriented Sessions to Improve students Creative Skills and Innovative thinking.
2. To conduct more Internship Programs, to get Industrial Exposure.
3. To conduct Guest Lectures with Industrial Experts to know about opportunities in various sectors and their requirements.
4. As subject codes will be assigned by the Examination Cell, the Chairman decided to follow those subject codes in the course structure, as decided by the exam cell as per autonomous regulations.
5. Domain names shall be included for each pool of Professional Electives.
6. Students have to participate in Internships programs to get exposure for MBA students.
7. As per R-24 JNTU Kakinada curriculum & Course structure for P.G Second Year (I & II) Semester Subjects has been approved without any Changes in this BoS meeting.

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II Year I Semester

III SEMESTER							
S.No	Course Code	Courses	Marks	L	T	P	C
1	C-301	Strategic Management	100	4	0	0	4
2	C-302	Operations Research	100	4	0	0	4
3	E-301	Elective-1	100	4	0	0	3
4	E-302	Elective-2	100	4	0	0	3
5	E-303	Elective-3	100	4	0	0	3
6	E-304	Elective-4	100	4	0	0	3
7	VA-301	Entrepreneur Project-III Submission of project proposal report to Govt. bodies and applying the proposal to Govt. agencies like (START-UPS/MSME /NABARD/IDBI/SISI) and the same may be Submitted to the University with the acknowledgement.	30	0	0	2	1
Total			630	24	0	2	21

➔ HUMAN RESOURCE MANAGEMENT & FINANCE

HRM & FINANCE	III Sem	EHR-301	Learning and Development
		EHR-302	Performance and Compensation Management
		EFM-303	Taxation Management
		EFM-304	Banking Institutions and Financial Reforms

Signature of External Member 1

Signature of External Member 2

Signature Industry Expert

Signature BoS Chairman

Signature of University Nominee



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II Year II Semester

IV SEMESTER							
S.No	Course Code	Courses	Marks	L	T	P	C
1	C-401	Corporate Legal Framework	100	4	0	0	4
2	C-402	Supply Chain Management	100	4	0	0	4
3	E-401	Elective-5	100	3	0	0	3
4	E-402	Elective-6	100	3	0	0	3
5	E-403	Elective-7	100	3	0	0	3
6	E-404	Elective-8	100	3	0	0	3
7	SE-401	Main project Submission and Viva-Voce	100	0	0	8	4
Total Marks/Credits			700	20	0	8	24
			2910				111

➔ HUMAN RESOURCE MANAGEMENT & FINANCE

HRM & FINANCE	IV Sem	EHR-401	Labor Welfare and Employment laws
		EHR-402	International HRM
		EFM-403	Global Financial Management
		EFM-404	Financial Derivatives

Signature of External Member 1

Signature of External Member 2

Signature Industry Expert

Signature BoS Chairman

Signature of University Nominee



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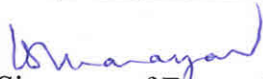


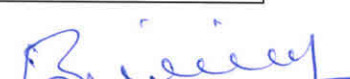
III-SEMESTER

S. no	Course Code	SUBJECT TITLE
1	C-301	Strategic Management
2	C-302	Operations Research
3	EHR-301	Learning and Development
4	EHR-302	Performance and Compensation Management
5	EFM-303	Taxation Management
6	EFM-304	Banking Institutions and Financial Reforms

IV-SEMESTER

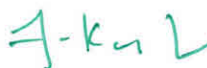
S. no	Course Code	SUBJECT TITLE
1	C-401	Corporate Legal Framework
2	C-402	Supply Chain Management
3	EHR-401	Labor Welfare and Employment laws
4	EHR-402	International HRM
5	EFM-403	Global Financial Management
6	EFM-404	Financial Derivatives

x 
Signature of External Member 1

x 
Signature of External Member 2


Signature Industry Expert


Signature BoS, Chairman


Signature of University Nominee





X *[Signature]*

Signature of External Member 1

[Signature]
Signature Industry Expert

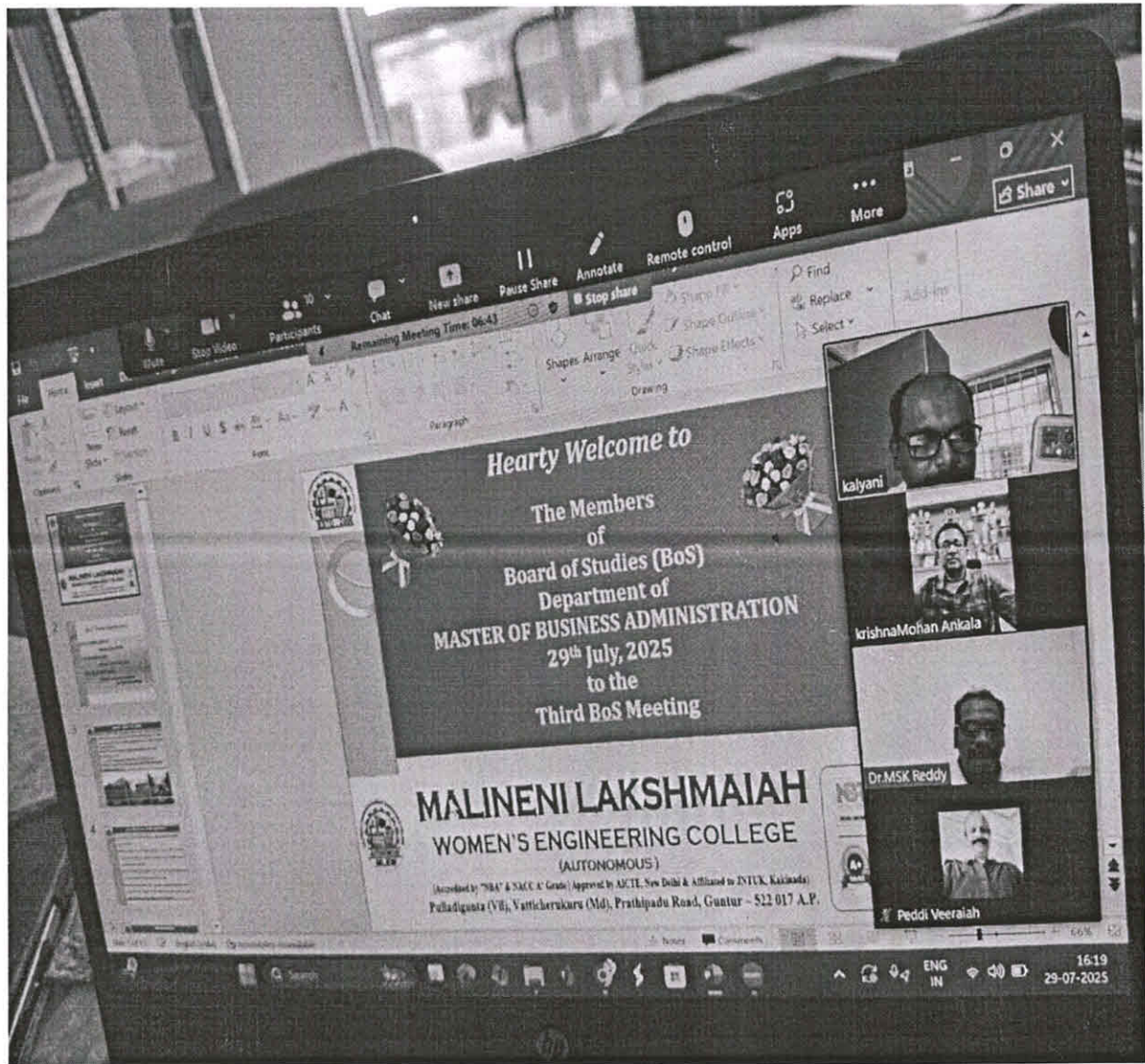
X *[Signature]*
[Signature]

Signature of External Member 2

Signature BoS Chairman

[Signature]
Signature of University Nominee

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Signature of External Member 1

[Handwritten Signature]
Signature of External Member 2

[Handwritten Signature]
Signature Industry Expert

[Handwritten Signature]
Signature BoS Chairman

[Handwritten Signature]
Signature of University Nominee

[Handwritten Signatures]



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Department of Master of Computer Applications

Minutes of the Board of Studies (BoS) Meeting

The Fourth BoS meeting of Master of Computer Applications Department was conducted on
07-08-2025 from 02:30 p.m through virtual mode via Zoom Online Meeting Platform.

Members Present :

S.No.	Members	Name & Designation	Status of Attendance	Signature
1	Chairperson	Dr P. Ramesh Babu HoD of MCA, MLWEC	PRESENT	
2	University Nominee	Dr D. Haritha Professor of CSE, UCEK, JNTU Kakinada Ph: 9440810901 Email : harithadasari9@yahoo.com harithadasari@jntucek.ac.in	PRESENT	
3	Subject expert from outside the parent University	1. Dr.M.Babu Reddy Assoc. Professor, Department of Computer Science, KU Ph: 9963436460 Email: m_babureddy@yahoo.com principal.krucet@kru.ac.in	PRESENT	
		2. Dr. V. Denish Kumar HoD, Professor, Dept.of CSE, RVIT Ph: 9014098028 Email: dineshbabuvunnava@gmail.com	PRESENT	
5	Representative from Industry	K Sambireddy Sr. DBA, Sequential Technology International Pvt.Ltd., Hyderabad Ph: 9491583104 Email: sambireddy.kalli@gmail.com	PRESENT	



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6	Alumni Member	***** ***** Ph: Email:	NA	
7	Member	Mr. K.Umamaheswara Rao Assoc. Prof, MLWEC	PRESENT	
8	Member	Mrs. Y.Naga Padmaja Assoc. Prof, MLWEC	PRESENT	
9	Member	Mrs. K.Mounika Asst. Prof, MLWEC	PRESENT	
10	Member	Mrs.Ch.Lavanya Asst. Prof, MLWEC	PRESENT	

Meeting Agenda:

Item No: 1

Discussion on Academic Regulations MR-24

Item No: 2

Discussion on Proposed Course Structure of Second Year MCA.

Item No: 3

Discussion on Proposed Syllabus of Courses Offered by Department Courses in Second Year MCA.

Item No: 4

Any Other Points raised by BoS Members with the permission of chair.

Resolutions:

Item No : 1 - Discussion on Academic Regulations MR-24

At the onset, the Chairperson of BoS members, **Dr P.Ramesh Babu** welcomed all the members and introduced internal BoS members to external BoS members. The meeting began with presentation of proposed Academic Regulations MR24, all the members are agreed for the same.

Academic Regulations MR-24 of MCA are attached herewith.



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Item No : 2 - Discussion on Proposed Course Structure of Second Year MCA Sem - III & Sem - IV and Ratification of the same.

Proposed Course Structure offered by the Department of MCA is presented before the BoS Members and asked for the modifications if any, and it is ratified by all the members.

Course Structure:

SEMESTER-WISE COURSE STRUCTURE

I Semester

S.No	Course Code	Course Name	Category	L	T	P	Credits
1	MCA1101	Data Structures	PC	3	0	0	3
2	MCA1102	Computer Organization	PC	3	0	0	3
3	MCA1103	Database Management Systems	PC	3	0	0	3
4	MCA1104	Operating Systems	PC	3	0	0	3
5	MCA1105	Mathematical and Statistical Foundations	BS&H	3	1	0	4
6	MCA1106	Database Management Systems Lab	PC	0	0	3	1.5
7	MCA1107	Data Structures using C Lab	PC	0	0	4	2
8	MCA1108	Operating Systems and Linux Lab	PC	0	0	3	1.5
Total				15	1	10	21

II Semester

S.No	Course Code	Course Name	Category	L	T	P	Credits
1	MCA1201	Computer Networks	PC	3	0	0	3
2	MCA1202	Network Security and Cyber Security	PC	3	0	0	3
3	MCA1203	Object Oriented Programming Using JAVA	PC	3	0	0	3
4	MCA1204	Software Engineering	PC	3	0	0	3
5	MCA1205	Artificial Intelligence	PC	3	0	0	3



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6	MCA1206	Program Elective-1 1. Design and Analysis of Algorithms 2. Advanced Unix Programming 3. Data Warehousing and Data mining 4. MOOCS-1(NPTEL / SWAYAM) (Recommended 12 weekcourse with 3 credits)	PC/ PE	3	0	0	3
7	MCA1207	Object Oriented Programming Using JAVA Lab	PC	0	0	3	1.5
8	MCA1208	Networks and Security Lab	PC	0	0	3	1.5
9	MCA1209	Employability Skills-1\$	AC	1	0	0	0
Total				19	0	6	21

III Semester

S.No	Course Code	Course Name	Category	L	T	P	Credits
1	MCA2101	Machine Learning using Python	PC	3	0	0	3
2	MCA2102	Full Stack Development	PC	3	0	0	3
3	MCA2103	Big Data Technologies	PC	3	0	0	3
4	MCA2104	Program Elective-2 1.Cloud Computing 2.Image Processing 3.Internet of Things 4.MOOCs-2(NPTEL / SWAYAM) (Recommended 12 week course with 3 credits)	PE	3	0	0	3
5	MCA2105	Human Resource Management	BS&H	3	0	0	3
6	MCA2106	Full Stack Development Lab	PC	0	0	3	1.5
7	MCA2107	Machine Learning with Python Lab	PC	0	0	4	2
8	MCA2108	Big Data Technologies Lab	PC	0	0	3	1.5
9	MCA2109	Employability Skills-2\$	AC	1	0	0	0
10	MCA2110	Internship/Industry Oriented Mini Project#	MC	0	0	0	2
Total							22

\$ Internal Evaluation

This can be done during semester break and evaluated at the end of 3rd Sem.



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IV Semester

1	MCA2201	Program Elective-3 1. Unified Modeling Language 2. Blockchain Technologies 3. Advanced UNIX Programming 4. MOOCs-3 (NPTEL /SWAYAM) (Recommended 12 week course with 3 credits)	PE	3	0	0	3
2	MCA2202	Program Elective-4 1. Mobile Adhoc Networks 2. Quantum Computing 3. Agile Methodologies 4. MOOCs-4 (Recommended 12 week course with 3 Credits)	PE	3	0	0	3
3		Project Work/Dissertation		0	0	0	10
			Total	6	0	0	16

* Students going for Industrial Project / Thesis will complete these courses through MOOCs (or even in earlier semester)

Item No : 3 - Discussion on Proposed Syllabus of Courses Offered by Department in II-Year MCA i.e., III Sem & IV Sem.

The Chairperson gave a presentation regarding the proposed course syllabi. All the members are approved the syllabus presented.

And the approved syllabus is attached herewith.

Item No : 4 Any Other Points raised by BoS Members with the permission of chair.

One of the Suggestion given by University Nominee Dr.D.Haritha madam about Big Data Software i.e., Hadoop installations and execution of programs university students faces some difficulties. So, be concentrate to do lab programs in Big Data Lab subject.

Finally, Chairperson of BoS thanked all the members of their valuable inputs and active participation in the meeting.


Chairperson

BoS-MCA, MLWEC.



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WELCOME

Board of Studies Meeting-4

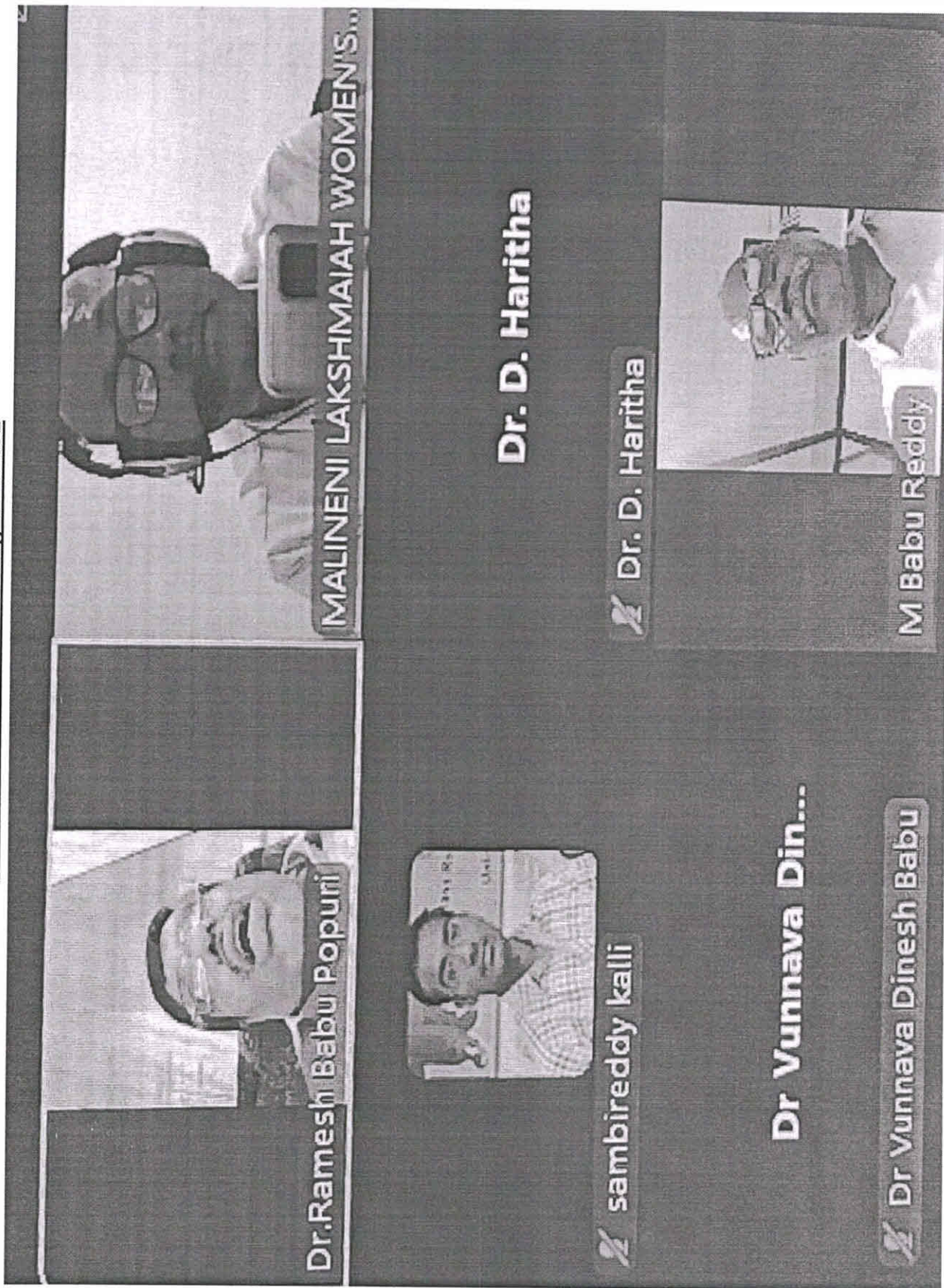
Department of Master of Computer Applications

07-08-2025 2:30 P.M

Presented By
Dr. P. Ramesh Babu
Chairperson, Board of Studies
Department of MCA

①

③ M. Babarazady
④ Divesh Kumar
⑤

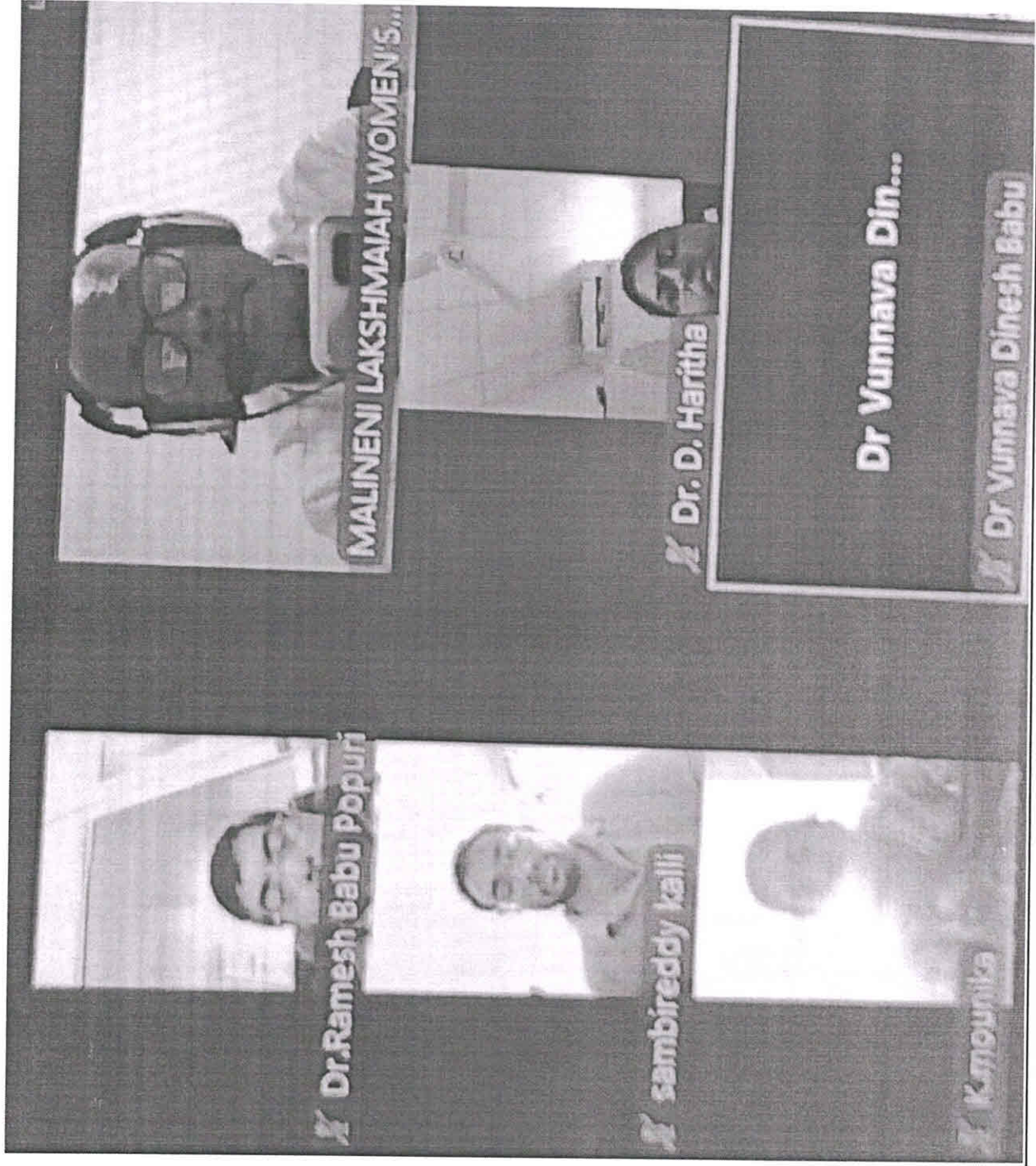


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M. Babu Reddy
Dinsh
Kumar

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M-Babuweddy
Dinsh
Kumar

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MCA Board of Studies Meeting-4 ZOOM Link

MALINENI LAKSHMAIAH WOMEN'S ENGG COLLEGE, GUNTUR, A.P. is inviting you to a scheduled Zoom meeting.

Topic: MCA BoS Meeting-4, GUNTUR, A.P.'s Zoom Meeting

Time: Aug 7, 2025 02:30 PM India

Join Zoom Meeting

<https://us06web.zoom.us/j/83639735322?pwd=D6U7RxphSaNOgOxhvtgSTS87vbe9d7.1>

Meeting ID: 836 3973 5322

Passcode: 662975

① 



M. Babu Reddy 
Ramesh
Kumar





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Department of Master of Technology(CSE(AI)) Minutes of the Board of Studies (BoS) Meeting

The Third BoS meeting of Master of Technology Department was conducted on
03-09-2025 from 11:00 am through virtual mode via Zoom Online Meeting Platform.

Members Present :

S.No.	Members	Name & Designation	Status of Attendance	Signature
1	Chairperson	Dr k.Sivakrishna HoD of M.Tech, MLWEC, Ph:9581781222, Email:siva30naina@gmail.com	PRESENT	
2	University Nominee	Dr.N.RAMAKRISHNAIAH, Professor in CSE, JNTUK, Ph: 96527 30019	PRESENT	
3	Subject expert from outside the parent University	1 Dr K VENKATA SUBBAREDDY. Professor, Department Information Technology, Vidya Jyothi Institute of Technology Ph: 9966136199 Email: kvsreddycse@vjit.ac.in	PRESENT	
		2. Dr E RAVEENDRA REDDY, Associate Professor, Dept Of CSE, K L UNIVERSITY Ph: 9160233221 Email: nani.naniravi@gmail.com	PRESENT	



MALINENI LAKSHMAIAH

WOMEN'S ENGINEERING COLLEGE

(AUTONOMOUS)

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5	Representative from Industry	Mr.Vinay Chamarth UI developer, Standard chartered ., Hyderabad Ph: 98852 17624 Email: vinaychamarthi1524@gmail.com	PRESENT	<i>Chamarth</i>
6	Alumni Member	Mrs.D.NAGA BHARGAVI, 94905 14627	NA	<i>Bhargavi</i>
7	Director & Member	Dr.K.Venkateswara Rao Director, MLWEC, Ph:94938 09566,Email:kvenkat.cse@gmail.com	PRESENT	<i>Kvenkat</i>
8	Member	Dr.N.Ch.Jayarao, HOD of AI&DS, MLWEC, 80082 07088	PRESENT	<i>Ch Jayarao</i>
9	Member	Mrs.D UDAYA DURGA RANI, ASSOC PROFESSOR, 95509 79156	PRESENT	<i>Udaya</i>
10	Member	Mrs.KML.PRIYANKA, ASSOCIATE PROFESSOR, MLWEC, 81434 01965	PRESENT	<i>Priyanka</i>

Meeting Agenda:

Item No: 1

Discussion on Academic Regulations MR-25

Item No: 2

Discussion on Proposed Course Structure of M.Tech(CSE(AI)) Sem-I,Sem-II,Sem-III,Sem- IV

Item No: 3

Discussion on Proposed Syllabus of Courses Offered by Department Courses in M.Tech(CSE(AI)) Sem-I,Sem-II,Sem-III,Sem- IV

Item No: 4

Any Other Points raised by BoS Members with the permission of chair.



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Resolutions:

Item No : 1 - Discussion on Academic Regulations MR-25

At the onset, the Chairperson of BoS members, **Dr K.Sivakrishna** welcomed all the members and introduced internal BoS members to external BoS members. The meeting began with presentation of proposed Academic Regulations MR25, all the members are agreed for the same.

Item No : 2 - Discussion on Proposed Course Structure of Second Year M.Tech(CSE(AI) Sem - I ,Sem –II,Sem-III,Sem-IV and Ratification of the same.

Proposed Course Structure offered by the Department of M.Tech is presented before the BoS Members and asked for the modifications if any, and it is ratified by all the members.

Course Structure:

SEMESTER-WISE COURSE STRUCTURE

I – Semester

S.No	Course Title	L	T	P	C
1	Program Core-1 Mathematics for Machine Learning	3	1	0	4
2	Program Core-2 Advances in Artificial Intelligence	3	1	0	4
3	Program Core-3 Data Warehousing and Business Intelligence	3	1	0	4
4	Program Elective-1 • Data Mining • Big Data Analytics • High Performance Computing	3	0	0	3



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5	Program Elective-2 - Cloud Computing - Internet of Things - Introduction to Quantum Computing	3	0	0	3
6	Laboratory-1 Advances in Artificial Intelligence Lab	0	1	2	2
7	Laboratory-2 Data Warehousing and Business Intelligence Lab	0	1	2	2
8	Seminar-1	0	0	2	1
	Total Credits	15	5	6	23

List of Professional Elective Courses in I Semester (Electives – I & II)

S.No.	Course Title
1	Data Mining
2	Big Data Analytics
3	High Performance Computing
4	Cloud Computing
5	Internet of Things
6	Introduction to Quantum Computing

@ Minimum 2/3 themes per elective

II SEMESTER

S.No	Course Title	L	T	P	C
1	Program Core-4 Machine Learning	3	1	0	4
2	Program Core-5 Deep Learning	3	1	0	4
3	Program Core-6 Natural Language Processing	3	1	0	4
4	Program Elective-3 - Soft Computing - Computational Intelligence - Computer Vision	3	0	0	3
5	Program Elective-4 - Robotics and Intelligent Systems - Reinforcement Learning - AI Chatbots	3	0	0	3



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6	Laboratory-3 Machine Learning Lab	0	1	2	2
7	Laboratory-4 Deep Learning Lab	0	1	2	2
8	Seminar-2	0	0	2	1
	Total Credits	15	5	6	23

*During the summer break, students need to pursue Summer Internship/ Industrial Training, it will be evaluated in the III Sem.

List of Professional Elective Courses in II Semester (Electives III & IV)

S.No.	Course Title
1	Soft Computing
2	Computational Intelligence
3	Computer Vision
4	Robotics and Intelligent Systems
5	Reinforcement Learning
6	AI Chatbots

@ Minimum 2/3 themes per elective

III Semester

S.No	Course Title	L	T	P	C
1	Research Methodology and IPR / Swayam 12-week MOOC course – RM&IPR	3	0	0	3
2	Summer Internship/ Industrial Training (8-10 weeks)*	-	-	-	3
3	Comprehensive Viva#	-	-	-	2
4	Dissertation Part – A\$			20	10
	Total Credits	3		20	18

* Student attended during summer / year break and assessment will be done in 3rd Sem. # Comprehensive viva can be conducted courses completed upto second sem.

\$ Dissertation – Part A, internal assessment



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IV Semester

S.No	Course Code	Courses	L	T	P	C
1		Dissertation Part – B ^u	-	-	32	16
Total Credits						16

% External Assessment

Item No : 3 - Discussion on Proposed Syllabus of Courses Offered by Department in I-Year MCA i.e., I Sem & II Sem.

The Chairperson gave a presentation regarding the proposed course syllabi. All the members are approved the syllabus presented.

And the approved syllabus is attached herewith.

Item No : 4 Any Other Points raised by BoS Members with the permission of chair.

NO.

Finally, Chairperson of BoS thanked all the members of their valuable inputs and active participation in the meeting.

Chairperson

BoS-M.Tech(CSE(AI)) , MLWEC.



MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE (AUTONOMOUS)

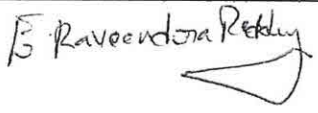
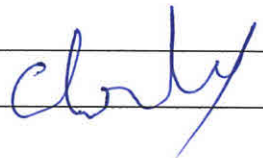
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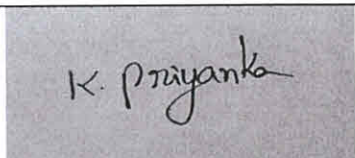
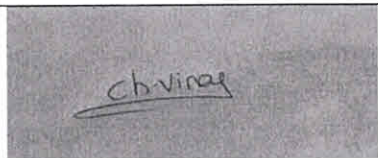


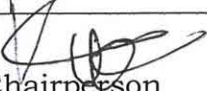
Department of Master of Technology

Computer Science and Engineering (Artificial Intelligence)

RECONSTITUTION AND MEMBERS OF BOARD OF STUDIES

S. No.	Name of the Member	Designation and Address	Signature
1	Dr.K.Sivakrishna	M.Tech HOD-CSE(AI), MLWEC	
2	Dr.N.RAMAKRISHNAIAH	PROFESSOR,JNTUK	
3	Dr K VENKATA SUBBA REDDY	PROFESSOR,VIDYA JYOTHI INSTITUTE OF TECHNOLOGY	
4	Dr E RAVEENDRA REDDY	ASSOCIATE PROFESSOR,KL UNIVERSITY	
5	Dr k VENKATESWARA RAO	DIRECTOR, MLWEC	
6	Dr.N.Ch.Jayarao	HOD of AI&DS, MLWEC	

7	Mrs.D UDAYA DURGA RANI	ASSOCIATE PROFESSOR, MLWEC	
8	Mrs.KML.PRIYANKA	ASSOCIATE PROFESSOR, MLWEC	
9	Mr.Vinay Chamarthi	UI developer, Standard chartered	
10	Mrs.D.NAGA BHARGAVI	ASSISTANT PROFESSOR, Vignan's Nirula Institute of Technology and Science for Women	


Chairperson
Board of Studies,
Dept. of CSE (AI)


PRINCIPAL

**PRINCIPAL
MALINENI LAKSHMAIAH
WOMEN'S ENGINEERING COLLEGE
PULLADIGUNTA, GUNTUR-17**



MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE (AUTONOMOUS)

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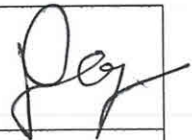
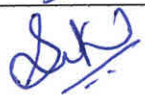


Department of Master of Technology(CSE) Minutes of the Board of Studies (BoS) Meeting

The Fourth BoS meeting of Master of Computer Applications Department was conducted on
03-09-2025 from 02:30 p.m through virtual mode via Zoom Online Meeting Platform.

Members Present :

S.No.	Members	Name & Designation	Status of Attendance	Signature
1	Chairperson	Dr k.Sivakrishna HoD of M.Tech(CSE), MLWEC, Ph:9581781222, Email:Siva30naina@gmail.com	PRESENT	
2	University Nominee	Dr D. Haritha Professor of CSE, UCEK, JNTU Kakinada Ph: 9440810901 Email : harithadasari9@yahoo.com harithadasari@jntucek.ac.in	PRESENT	
3	Subject expert from outside the parent University	Dr K SUJATHA , Professor of Information Technology, Vignan's Foundation for Science, Technology and Research, Phone number: 9989728642 Email : sujatha_kamepalli@yahoo.com	PRESENT	
		2. Dr. T. SIVA RATNA SAI, Associate Professor, CSE-AIML, Malla Reddy college of engineering and technology (MRCET) Ph: 9948676961 Email: sivaratnasaithota@gmail.com	PRESENT	T.Siva Ratna Sai
5	Representative from Industry	Mr.S.APPALA NAIDU Sr.SOFTWARE ENGINEER, Tech Mahindra pvt ltd., Hyderabad Ph: 9885811011 Email: appu.sanya@gmail.com	PRESENT	

6	Alumni Member	Mrs. ManjulaDeepthi Chatti Ph:6304648342 Email:manjuladeepthi36@gmail.com	PRESENT	
7	Director	Dr.K.Venkateswara Rao Director, MLWEC, Ph: 94938 09566	PRESENT	
8	Member	Mrs. B.Mallikarjuna Rao Assoc. Prof, MLWEC Ph:94942 41882	PRESENT	
9	Member	Mrs.K,AKHILA, ASSISTANT PROFESSOR, MLWEC 863 997 2296	PRESENT	
10	Member	Mrs.G.SRILAKSHMI, ASSISTANT PROFESSOR, MLWEC Ph: 90306 21654	PRESENT	

Meeting Agenda:

Item No: 1

Discussion on Academic Regulations MR-25

Item No: 2

Discussion on Proposed Course Structure of M.Tech(CSE) Sem-I,Sem-II,Sem-III,Sem- IV

Item No: 3

Discussion on Proposed Syllabus of Courses Offered by Department Courses in M.Tech(CSE) Sem-I,Sem-II,Sem-III,Sem- IV

Item No: 4

Any Other Points raised by BoS Members with the permission of chair.

Resolutions:

Item No : 1 - Discussion on Academic Regulations MR-25

At the onset, the Chairperson of BoS members, **Dr K.Sivakrishna** welcomed all the members and introduced internal BoS members to external BoS members. The meeting began with presentation of proposed Academic Regulations MR25, all the members are agreed for the same.

Academic Regulations MR-25 of M.Tech are attached herewith.





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Item No : 2 - Discussion on Proposed Course Structure of M.Tech Sem - I & Sem -II ,Sem-III,Sem-IV and Ratification of the same.

Proposed Course Structure offered by the Department of M.Tech is presented before the BoS Members and asked for the modifications if any, and it is ratified by all the members.

Course Structure:

SEMESTER-WISE COURSE STRUCTURE

M. Tech(CSE) I – Semester

S.No	Course Title	L	T	P	C
1	Program Core – 1 Data Structures and Algorithm Analysis	3	1	0	4
2	Program Core – 2 Advanced Data warehousing and Data Mining	3	1	0	4
3	Program Core – 3 Mathematical foundations of computer science	3	1	0	4
4	Program Elective – I	3	0	0	3
5	Program Elective – II	3	0	0	3
6	Laboratory – 1 Data Structures and Algorithm Analysis lab	0	1	2	2
7	Laboratory – 2 Advanced Data warehousing and Data Mining lab	0	1	2	2
8	Seminar-I	0	0	2	1
	TOTAL	15	5	6	23

List of Professional Elective Courses in I Semester (Electives – I & II)

S.No.	Course Title
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1	1. Image Processing
	2. Soft computing
	3. Advanced Computer Networks
	4. Advanced Software engineering
	5. Time Series Analysis
	6. High Performance Computing
	7. Agile Methodologies
	8. Advanced Compiler Design
	9. Artificial Neural Networks
	10. Any minimum 12 weeks MOOCS/NPTEL courses suggested by BOS

@ Minimum 2/3 themes per elective

M. Tech (CSE) II – Semester

Sl. No.	Course Title	L	T	P	C
1	Program Core – 4 Machine Learning	3	1	0	4
2	Program Core – 5 Natural Language Processing	3	1	0	4
3	Program Core – 6 Introduction to Quantum computing	3	1	0	4
4	Program Elective – III	3	0	0	3
5	Program Elective - IV	3	0	0	3
6	Laboratory – 3 Machine Learning Lab	0	1	2	2
7	Laboratory – 4 Natural Language Processing Lab	0	1	2	2
8	Seminar – II	0	0	2	1
	TOTAL	15	5	6	23

List of Professional Elective Courses in II Semester (Electives III & IV)

S. No.	Course Title
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1	1. Feature Engineering 2. Generative AI 3. Adhoc Sensor Networks 4. Principles of Network Security 5. Block Chain Technologies 6. DevOps 7. Secure Coding 8. Design Patterns 9. Computer Vision 10. Any minimum 12 weeks MOOCS/NPTEL courses suggested by BOS
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@ Minimum 2/3 themes per elective

M. Tech (CSE) - III Semester

S. No	Course Title	L	T	P	C
1	Research Methodology and IPR / Swayam 12 week MOOC course – RM&IPR	3	0	0	3
2	Summer Internship/ Industrial Training (8-10 weeks)*	-	-	-	3
3	Comprehensive Viva [#]	-	-	-	2
4	Dissertation Part – A ^{\$}	-	-	20	10
	TOTAL	3	-	20	18

* Student attended during summer / year break and assessment will be done in 3rd Sem. # Comprehensive viva can be conducted courses completed upto second sem.

\$ Dissertation – Part A, internal assessment

M Tech. (CSE) – IV Semester

S. No.	Course Title	L	T	P	C
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1	Dissertation Part – B%	-	-	32	16
	TOTAL	-	-	32	16

% External Assessment

Item No : 3 - Discussion on Proposed Syllabus of Courses Offered by Department in M.Tech i.e., I Sem ,II Sem,III Sem&IV Sem

The Chairperson gave a presentation regarding the proposed course syllabi. All the members are approved the syllabus presented.

And the approved syllabus is attached herewith.

Item No : 4 Any Other Points raised by BoS Members with the permission of chair.

NO.

Finally, Chairperson of BoS thanked all the members of their valuable inputs and active participation in the meeting.

Chairperson

BoS,M.TECH(CSE), MLWEC.



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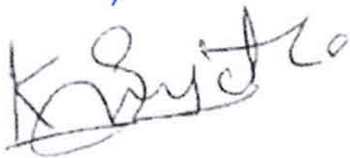
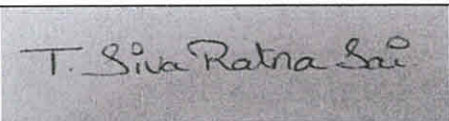
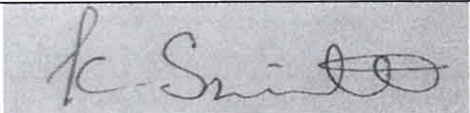
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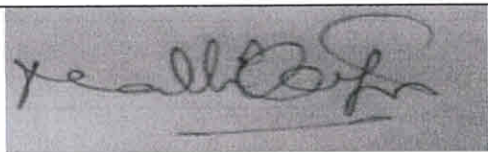
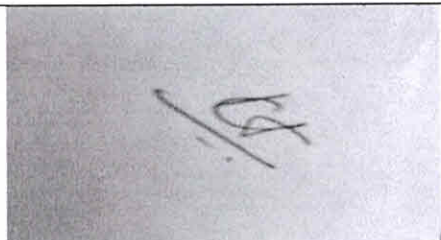
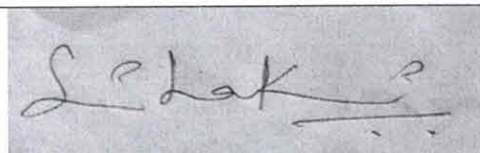
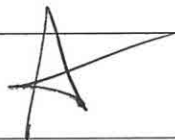


Department of Master of Technology

Computer Science and Engineering

RECONSTITUTION AND MEMBERS OF BOARD OF STUDIES

S. No.	Name of the Member	Designation and Address	SIGNATURE
1	Dr.K.Sivakrishna	HOD-M.Tech CSE, MLWEC	
2	DR. D HARITHA	PROFESSOR,JNTUK	
3	Dr K SUJATHA	PROFESSOR, Vignan's Foundation for Science, Technology and Research	
4	Dr. T. SIVA RATNA SAI	ASSOCIATE PROFESSOR, Malla Reddy college of engineering and technology (MRCET)	
5	Dr k VENKATESWARA RAO	DIRECTOR, MLWEC	
6	Dr.K.SUNITHA	HOD OF IT, MLWEC	

7	Mr.B.MALLIKARJUNA RAO	ASSOCIATE PROFESSOR, MLWEC	
8	Mrs.K,AKHILA	ASSISTANT PROFESSOR, MLWEC	
-9	Mrs.G.SRILAKSHMI	ASSISTANT PROFESSOR, MLWEC	
10	Mr.S.APPALA NAIDU	Sr.SOFTWARE ENGINEER, Tech Mahindra pvt ltd	
11	Mrs. ManjulaDeepthi Chatti	ASSISTANT PROFESSOR, CHALAPATHI INSTITUTE OF ENGINEERING TECHNOLOGY	


Chairperson
Board of Studies,
Dept. of CSE (AI)




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