



AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Autonomous)

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU-GV, Vizianagaram) NAAC
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Tamaram(V), Makavarapalem, Narsipatnam(RD), Anakapalle Dist., Pin-531113.
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Minutes of the 3rd Board of Studies Meeting on Curriculum and Syllabus Approval

Mode: Through Hybrid Mode

Venue: Conference Hall

Date: 01/06/2026

Link: <https://us06web.zoom.us/j/9030986321?pwd=YbCxrCJ0uwgScGEnI3ynQEd85PU3M.1&omn=83665644489>

The Third BoS meeting of the department of Computer Science and Engineering is held on **1st June 2026, 2.15 P.M** through online mode (**Zoom Meeting**).

Meeting Proceedings:

1. Welcome and introduction:

- BoS Chairman (**Dr. UPPE. NANAJI**) welcomed the BoS members along with the Principal **Dr. C.P.V.N.J. Mohan Rao**, and briefed the members about the agenda of the 3rd BoS Meeting.

2. Agenda 1: Discussion, review and approval of the proposed curriculum for III B.Tech-I & II Semesters (CSE), under R24 Regulations, effective from the Academic Year 2026-2027.

Resolution: The BoS Chairman proposed the following course structure for III B.Tech – I Semester (CSE):

1. Compiler Design
2. Computer Networks (common for CSE, CSE(ALML), CSE(DS))
3. Managerial Economics and Financial Analysis (common for CSE, CSE(ALML), CSE(DS))
4. Professional Elective- I
5. Open Elective-I
6. Compiler Design Lab
7. Computer Networks Lab (common for CSE, CSE(ALML), CSE(DS))
8. Full Stack Development-2
9. Competitive Coding
10. Design Thinking & Innovation (common for CSE, CSE(ALML), CSE(DS))
11. Employability Skills – 1 : Advanced Aptitude and Communication Skills (common for CSE, CSE(ALML), CSE(DS))
12. Constitution of India
13. Evaluation of Community Service Internship / Industry Internship (8 weeks, II-II summer) (common for CSE, CSE(ALML), CSE(DS))

Professional Elective- I (anyone): (CSE)

1. Data Warehousing and Data Mining

5. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

Resolution: The BoS Chairman proposed the following course structure for III B.Tech – I Semester (CSE (AI&ML)):

1. Deep Learning
2. **Professional Elective – I**
3. **Open Elective – I**
4. Deep Learning Lab
5. Competitive Coding
6. Value Education

Professional Elective – I (any one): (CSE (AI&ML))

1. Software Engineering
2. Big Data Analytics
3. Optimization Techniques
4. Digital Twin

5. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

Resolution: The BoS Chairman proposed the following course structure for III B.Tech – I Semester (CSE (DS)):

1. Machine Learning
2. **Professional Elective – I**
3. **Open Elective – I**
4. Machine Learning Lab
5. Competitive Coding
6. Value Education

Professional Elective – I (any one): (CSE (DS))

1. Operating Systems
2. Software Engineering
3. Predictive Analytics
4. Digital Twin

5. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

Resolution: The BoS Chairman proposed the following course structure for III B.Tech – II Semester (CSE):

1. Artificial Intelligence Machine Learning
2. Cryptography & Network Security
3. **Professional Elective – II**
4. **Professional Elective – III**
5. **Open Elective – II**
6. Artificial Intelligence Machine Learning Lab
7. Cryptography & Network Security Lab
8. Competitive Coding Lab
9. Employability Skills – 2 : Corporate Readiness for Emerging Technologies (common for CSE, CSE(ALML), CSE(DS))
10. Value Education

Professional Elective– II (anyone) (CSE)

1. Cloud Computing
2. Cyber Computing
3. DevOps
4. Augmented Reality and Virtual

5. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

Professional Elective –III (any one): (CSE)

1. Software Project Management
2. Big Data Analytics

3. Distributed System
4. Foundation of Data Science

Resolution: The BoS Chairman proposed the following course structure for III B.Tech – II Semester (CSE (AI&ML)):

1. Operating System
2. Computer Vision
3. **Professional Elective – II**
4. **Professional Elective – III**
5. **Open Elective – II**
6. Operating System Lab
7. Computer Vision Lab
8. Data Analytics and Visualization Lab
9. Constitution of India

Professional Elective – II (any one): (CSE (AI&ML))

1. Software Testing Methodology
2. Large Language Models
3. Internet of Things
4. Recommender Systems
5. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

Professional Elective – III (any one): (CSE (AI&ML))

1. Software Project Management
2. AI Chatbot
3. Cyber Security
4. Introduction to Generative AI
5. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

Resolution: The BoS Chairman proposed the following course structure for III B.Tech – II Semester (CSE (DS)) :

1. Deep Learning
2. Massive Data Analytics
3. **Professional Elective – II**
4. **Professional Elective – III**
5. **Open Elective – II**
6. Deep Learning Lab
7. Massive Data Analytics Lab
8. Data Analytics and Visualization Lab
9. Constitution of India

Professional Elective – II (any one): (CSE (DS))

1. Computer Vision
2. Internet of Things
3. Quantum computing
4. Recommender Systems
5. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

Professional Elective – III (any one): (CSE (DS))

1. Model Evaluation and Selection
2. Expert Systems
3. Cyber Security
4. AI Chatbots
5. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

The BoS Chairman presented the R24 regulation, course structure and syllabus of 3rd B.Tech. It is resolved to accept the same after thorough discussion and taking into consideration of the suggestion and remarks given by the University nominee members.

1. **Dr G.JAYA SUMA:**

- Suggested regarding Open Elective subject titles to remove titles “Fundamental/Introduction” for 3rd B.Tech.
- Suggested regarding subject title in Professional Elective as Quantum Computing and Open Elective as Quantum Technology.
- List all Open Electives subject as single list for the Department of CSE, CSE (AIML), CSE (DS).

2. **Prof S PALLAM SETTY:** All syllabus are fine and to do NPTEL course.

3. **DR.T.RAMAKRISHNUDU:** Suggested regarding syllabus for Complete Coding to include Scenario Based Cased Study.

4. The BoS members unanimously approved the proposed curriculum for III B.Tech – I & II Semesters under R24 Regulations incorporating the recommended suggestions.

3. Agenda2: Discussion, review and approval of the proposed curriculum for IV B.Tech–I & II Semesters (CSE), under R24 Regulations, effective from the Academic Year 2027–2028.

Resolution: The BoS Chairman proposed the following course structure for IV B.Tech – I Semester (CSE):

1. Neural Networks & Deep Learning
2. Object Oriented Analysis and Design
3. Human Resources & Project Management (CSE,CSE(ALML), CSE(DS))
4. **Professional Elective – IV**
5. **Open Elective – III**
6. Prompt Engineering Lab
7. Technical paper writing and IPR (CSE,CSE(ALML), CSE(DS))
8. Evaluation of Industry Internship (Done during III-II Summer vacation- 8 weeks) (CSE,CSE(ALML), CSE(DS))

Professional Elective – IV (any one): (CSE)

1. Software Architecture & Design Patterns
2. Block chain Technology
3. Quantum Computing
4. Agentic AI Systems
5. 8/12-weekMOOCSSWAYAM/NPTEL Course recommended by BoS

Resolution: The BoS Chairman proposed the following course structure for IV B.Tech – I Semester (CSE (AI&ML)):

1. Automata Theory & Compiler Design
2. Reinforcement Learning
3. **Professional Elective – IV**
4. **Open Elective – III**

Professional Elective – IV (any one): (CSE (AI&ML))

1. Federated Learning
2. NoSQL Databases
3. Quantum Computing
4. Advanced Gen AI
5. 8/12-weekMOOCSSWAYAM/NPTEL Course recommended by BoS

Resolution: The BoS Chairman proposed the following course structure for IV B.Tech – I Semester (CSE (DS)):

1. Automata Theory & Compiler Design
2. Data Wrangling & Visualization
3. **Professional Elective – IV**
4. **Open Elective – III**

Professional Elective – IV (any one): (CSE (DS))

1. Cloud Computing
2. Software Testing Methodology
3. DevOps
4. NoSQL Databases
5. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

The BoS Chairman further proposed the following course structure for IV B.Tech–II Semester (CSE):

1. Professional Elective– V
2. Open Elective–IV
3. Internship & Project Work (CSE,CSE(ALML), CSE(DS))

Professional Elective–V (anyone):

1. Soft Computing
2. Mobile Ad-hoc Networks
3. Natural Language Processing
4. UI/UX Design
5. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

The BoS Chairman further proposed the following course structure for IV B.Tech–II Semester (CSE (AI&ML)):

4. Professional Elective– V
5. Open Elective–IV
6. Internship & Project Work (CSE,CSE(ALML), CSE(DS))

Professional Elective–V (anyone):

1. Agile methodologies
2. Ethical AI
3. High-performance Computing (HPC)
4. Object Oriented Analysis and Design
6. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

The BoS Chairman further proposed the following course structure for IV B.Tech–II Semester (CSE (DS)):

7. Professional Elective– V
8. Open Elective–IV
9. Internship & Project Work (CSE,CSE(ALML), CSE(DS))

Professional Elective–V (anyone):

1. Agile methodologies
2. Ethical AI
3. High-performance Computing (HPC)
7. Object Oriented Analysis and Design
8. 8/12-week MOOC SWAYAM/NPTEL Course recommended by BoS

Open Electives (offered to other departments):

OPEN ELECTIVE-1:	OPEN ELECTIVE-2:
1. Data Structures	1. Computer Networks
2. Database Management Systems	2. Mobile Computing
3. Agile Methodologies	3. Software Project Management
4. Operating System	4. OOPS Through Java
5. Scripting Languages	5. Fundamental of Cloud Computing

6. Exploratory Data Analysis with Python 7. Web Technologies 8. JAVA Programming 9. Cloud Computing	6. Data Mining 7. Social Media Analytics 8. Artificial Intelligence 9. Data Wrangling and Pre-processing
OPEN ELECTIVE-3: 1. Python Programming 2. Object orient Analysis and Design 3. Big Data Analytics 4. Web Services 5. Quantum Technology 6. Privacy Preserving ML 7. Block Chain Technologies 8. Computer Architectures 9. Data science applications	OPEN ELECTIVE-4: 1. Computer Architecture 2. Information Security 3. Ethical Hacking 4. Data Mining 5. Cyber Security 6. AI Chatbot 7. Internet of Things 8. Fundamentals of Data Science 9. Machine Learning

Note: Students may opt for 8/12-week MOOC SWAYAM/NPTEL Course approved by Chairman, BoS and communicated to Dean Academics

4. Agenda4: Continuation of M.Tech (CSE) curriculum under the existing R24 Regulations for the Academic Year 2026–2027.

Resolution: The BoS Chairman informed the members that the complete two-year framework for M.Tech (CSE) had already been approved in the 1st and 2nd BoS Meetings.

- The BoS members noted and approved the continuation of the existing M.Tech (CSE) curriculum without any modifications for the Academic Year 2026–2027.
- It was further recorded that the next set of Regulations (R27) shall be framed and introduced from the Academic Year 2027–2028.

5. Agenda5: Any other academic matter and miscellaneous issues.

- **CH SANKARA RAO** (Scientist-G, DRDO): Suggested to put expert talk from the industry for the following subjects like: Digital Twin, Production Design, Quantum Computing and Cyber Security. For final year students to do projects at industry.

Conclusion:

- The meeting was successfully concluded. The BoS members accepted and approved the proposed III B.Tech and IV B.Tech curriculum under R24 Regulations and the detailed syllabi incorporating all recommendations of the members.
- It was agreed to forward the final version of the course structure and syllabi to all the BoS members through email.
- BoS Chairperson Dr.UPPE NANAJI expressed gratitude to all the members, University nominee, Academic Council nominees, Industry expert, Alumni member, and Internal faculty for their valuable inputs and contributions.



Yours truly,

(Dr. UPPE NANAJI)
BoS Chairperson (CSE)



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

3rd Board of Studies Meeting

BoS Members – Academic Year: 2026-2027 to 2027-2028

Dt: 26-05-2026

The following members were present:

SNO	NAME OF THE MEMBER	ROLE
1	Dr. C P V N J Mohan Rao, Principal, Avanthi Institute of Engineering & Technology, Makavarapalem.	PRINCIPAL
2	Dr UPPE NANAJI, PROFESSOR and HOD OF CSE, Avanthi Institute of Engineering & Technology, Makavarapalem.	BOS Chairman
3	Dr G.JAYA SUMA, PROFESSOR & Registrar, JNTUGV, Vizianagaram <i>DAASP</i>	University Nominee 
4	Prof S PALLAM SETTY, PROFESSOR, Dept of CSSS, Visakhapatnam	Expert Member Nominated by Academic Council
5	Dr.T.Ramakrishnudu, PROFESSOR, Dept of CSE, NIT, Warangal	Expert Member Nominated by Academic Council
6	CH SANKARA RAO, Scientist-G, DRDO Fellow, NSTL, Visakhapatnam.	Nominated from Industry
7	Dr. A.V.RAMANA, PROFESSOR, Dean- School of Advanced Computing	Expert from outside the Autonomous College
8	Dr.K.V.N. RAJESH, Senior Subject Matter Cloud that	Nominated from Alumni
9	All the Department of CSE Faculty	



(Dr. UPPE NANAJI)

Head and BoS, Chairperson



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Board of Studies (Internal): Faculty Signatures

S.NO	NAME OF THE MEMBER	SIGNATURE
1.	Dr. C P V N J Mohan Rao	
2.	Dr. UPPE NANAJI	
3.	Dr. YOGESWARA RAO CHINNAVADU GURUBELLI	
4.	MALASALA CHIRANJEEUI	
5.	ASHOK KUMAR NAGAM KUMAR	
6.	K. VARA PRASAD	
7.	CHITIKALA DHANA LAKSHMI	
8.	M SAGAR	
9.	B GANESH	
10.	KESIREDDY ASHA DEVI	
11.	GEDDAM CHINNI	
12.	SETTI YERUKAMMA	
13.	HEMA LATHA GUDEPUVALASA	
14.	VARALAKSHMI GANJARU	
15.	SHARMILA SAI PAKA	
16.	SAILAKSHMI PEDAPUDI	
17.	BATHULA SOWJANYA	
18.	SARASWATHI BANDARU	
19.	SUSILA PRAGADA	
20.	JAHNAVI GUDIVADA EEPSITHA	

(Dr. UPPE NANAJI)
Head and BoS, Chairperson

(Dr. C.P.V.N.J. Mohan Rao)
Principal

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challa sankara rao

to me, dean_soac, drspetty, kvn.rajesh, mohanrao_c, gjsuma.it, trk

Dear Dr Nanaji garu,

I hereby convey my approval for the finalised course structure, syllabus that was discussed in the 3rd BoS meeting held

Regards,

Sankara Rao Ch



From: ajetm_chairman_bos_cse@avanthi.edu.in

Sent: Thu, 04 Jun 2026 15:33:47

To: dean_soac@gmitdu.edu.in, drspetty@gmail.com, rajesh kvn <kvn.rajesh@gmail.com>, mohanrao_c@yahoo.com, sank@nitw.ac.in

Subject: requesting for approval of 3rd BOS MoM for Dept of COMPUTER SCIENCE AND ENGINEERING regrading



rajesh kvn

to challa, me, dean_soac, drspetty, mohanrao_c, gjsuma.it, trk

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to: dean_soac@gmitou.edu.in, drspetty@gmail.com, rajesh kvn <kvn.rajesh@gmail.com>, mohanrao_c@yahoo.com, sanku
 trk@nitw.ac.in
 Subject: requesting for approval of 3rd BOS MoM for Dept of COMPUTER SCIENCE AND ENGINEERING regrading



rajesh kvn
 to challa, me, dean_soac, drspetty, mohanrao_c, gjsurna.it, trk

Dear Dr. Nanaji Sir,

I am pleased to convey my approval for the finalized course structure and syllabus discussed during the 3rd BoS meeting cc

Thanks and Regards,
 Dr.K.V.N.Rajesh, Sr.Subject Matter Expert&Microsoft Certified Agentic AI Architect
 CloudThat. Move up. | [Cloud Training](#) | [Cloud Engineering](#)
 International Locations in APAC | Americas | Europe



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chairman cse

Dear Sir/Madam, As per the discussion we had in our BOS meeting held on 01/06/2026, the minutes of the meeting are prep



Ramakrishnu T

to me

Dear sir
accepted all the BOS minutes (scheme and syllabus)

with best regards

Dr. Tene Ramakrishnu
Associate Professor
Department of Computer Science & Engineering
National Institute of Technology-Warangal
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requesting for approval of 3rd BOS MoM for Dept of COMPUTER SCIENCE regrading

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chairman cse

Dear Sir/Madam, As per the discussion we had in our BOS meeting held on 01/06/2026, the minutes of the meeting are prep



Dean - School of Advanced Computing

to me, drspetty@gmail.com, rajesh, mohanrao_c@yahoo.com, senkararao_ch@rediffmail.com, gjsuna.it@jntugvce.edu.in, trk@nitw

Approved

Regards

Dr.A.V.RAMANA

Professor & Dean School of Advanced Computing
GMRIT Deemed to be University, Rajam-532127.

Email: hod_cse@gmr.it.edu.in, venkataramana.a@gmr.it.edu.in

Phone: +91 - 9440539954(w)



From: chairman cse <ajetm_chairman.bos.cse@avanthi.edu.in>

Sent: Thursday, June 4, 2026 3:33:25 PM

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