No. /KITS/CSN/UG/URR-18 Date: 06.06.2023

BoS meeting of B.Tech CSE(AI & ML) program (Virtual mode)

Date and time of the meeting: 06.06.2023 @9.30 am (through MS teams online)

Agenda:

- Presentation of URR-18 IV year scheme and syllabus of CSE(AI & ML) to BoS members for approval
- Any other issues with the permission of the chair

The following is the list of BoS members (CSE-AIML) who attended the meeting :

S.No.	Name	Designation	Position in BoS	Attended/not
1	Dr. Soora Narasimha Reddy	Assoc. Professor & HoD, CSN Dept ,KITSW	Chairperson, BoS	Attended
2	Dr.V. Shankar	Professor of CSN Dept , KITSW	Member	Attended
3	Dr. Jothi Prabha Appadurai	Assoc. Prof. of CSE Dept , KITSW	Member	Attended
4	Dr. V. Swathy	Assoc. Prof. of CSN Dept , KITSW	Member	Attended
5	Sri. B. Srinivas	Asst. Prof. of CSN Dept , KITSW	Member	Attended
6	Prof. S. G. Sanjeevi	Professor, Dept. of CSE, NIT Warangal	External Member(From renowned Academic Institute)	Attended
7	Dr. P. Sateesh Kumar	Professor, Dept. of CSE, IIT Roorkee	External Member(From renowned Academic Institute)	Attended
8	Dr. K. Padmaja	Asst. Prof. KU College of Engineering and Technology, Warangal	External Member(University Nominee)	Attended
9	Sri. P . Prasad	CTO- Technology Business Unit at TCS	External Member(From Industry)	Attended
10	Sri. K. Venkata Swamy	Senior Software Architect, CA Technology, Hyd.	External Member(From	Attended

			Industry)	
11	Dr. Praveen Jambholkar	CEO, Metagogy Learning Systems Pvt. Ltd. Hyd.	External Member(From Industry)	Attended
12	Sri Koushik Bhupathi	Senior Software Architect, ADP, Hyderabad	External Member(Post Graduate Meritorious Alumnus Academia/Industry)	Attended
13	Sri. I. Sai Rama Krishna	Asst. Prof. of CSN Dept, KITSW	Co-Opted Member -1	Attended
12	Dr. B. Hanumanthu	Asst. Prof. of CSN Dept , KITSW	Co-Opted Member-2	Attended
13	Prof. Y. Purandar	Prof. and Dean, Training & Placement, KITSW	Special Invitee	Not Attended

MINUTES OF MEETING:

1. The chairperson of the BoS Dr. Soora Narasimha Reddy, Associate Professor & Head of Department, CSN welcomed the internal and External BoS members and further proceedings were taken up by Dr.Jothi Prabha Appadurai

2. Dr. Jothi Prabha Appadurai presented the URR-18 Scheme and Syllabus of 7th and 8th semesters respectively

3. Firstly, VII Semester course syllabus was presented to BoS

4. Reinforcement learning course syllabus of VII Semester was presented to BoS unit wise and made open for suggestions

   Below are the comments/suggestions given by external BoS members

   (i) It was suggested that students should have prior knowledge on dynamic programming. The Internal BoS Members informed him that Dynamic programming is already covered in the subject"Design and Analysis of Algorithms"

   (ii) Syllabus is good to go.

5. Secondly, Social information and Network analysis course syllabus of VII Semester was presented to BoS unit wise and made open for suggestions

   (i) Syllabus is fine and good to go

6. Cloud computing laboratory course syllabus was presented to BoS experiment wise

and made open for suggestions

Below are the comments/suggestions given by external BoS members

(i) Suggested usage of public open source cloud platform and has also offered to help virtually if required. The internal BoS members said that they will definitely take help from him to bridge the gap between industry and academia.

(ii)Add topics related to VM, Map-Reduce, containers and integration of cloud computing platforms in both theory and laboratory course. Also they suggested revisiting the experiments as few of them are primitive (Eg: Experiment XII)

(iii) Suggested to refer text book "Enterprise Cloud Computing" by Gautam Shroff to get insight of latest topics in cloud computing

(iv) Suggested to add the below textbook for Cloud Computing Theory and Laboratory syllabus

Cloud Computing: Theory and Practice, Dan C. Marinescu, Morgan Kaufmann

7. NLP laboratory course syllabus was presented to BoS experiment wise and made open for suggestions

Below are the comments/suggestions given by external BoS members

(i) Experiments look good. However few topics are to be added during next syllabus review.

8. Robotics course syllabus was presented to BoS unit wise and made open for suggestions

Below are the comments/suggestions given by external BoS members

(i) Syllabus is fine. He also suggested taking inputs from the robotics course offered by IIT Kharagpur

(ii) Few case studies has to be included in the syllabus

9. Cognitive Computing Systems course syllabus was presented to BoS unit wise and made open for suggestions

Below are the comments/suggestions given by external BoS members

(i) External BoS members suggested to remove the term "Systems" from the course title as the course components does not align with course title. Below are the alternative titles suggested 1. Cognitive Modeling 2. Cognitive computing

(ii) External BoS members suggested including some applications /case studies in syllabus

10. 8th semester courses syllabus were presented to BoS

11. Robotic Process Automation course syllabus was presented to BoS unit wise and made open for suggestions

    Below are the comments/suggestions given by external BoS members

    (i) Syllabus is good to go and its comprehensive

    (ii) Need to review on time bound .He also suggested to refer MIT syllabus.

    (iii) Include some project/ laboratory/ case study component in to syllabus.

12. Virtual Reality Technologies course syllabus was presented to BoS unit wise and made open for suggestions

    Below are the comments/suggestions given by external BoS members

    (i) BoS Members suggested that the course title is not aligned with course syllabus and need to rework on the title. It was suggested to remove the word technologies and leave it to be Virtual Reality

    (ii) They also suggested including some applications/ case studies in the syllabus.

13. Presentation of all course syllabus to be approved was completed. The meeting adjourned at 11:05 AM after thanking all the Internal and External BoS members for thie active participation , support and valuable inputs

Dr.S.Narasimha Reddy
Assoc.Prof & Head, CSN

ISO 9001:2015 AICTE-CII: GOLD Category Institute NAAC-'A' Grade Institute (CGPA: 3.21) NIRF-2022 Rank Band : 201-250
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.
काकतीय प्रैद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६ ०१५ तेलंगाना, भारत
కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము
Estd: 1980 KITSW
(An Autonomous Institute under Kakatiya University, Warangal)
(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)
website: www.kitsw.ac.in E-mail: principal@kitsw.ac.in : +91 9392055211, +91 7382564888

No. KITS/Acad/Circular/ 2024/252 Date: 27-01-2024

// CIRCULAR//

Sub: Reframing of composition of **Board of Studies (BoS)** - Reg.,

Ref:1) UGC Gazzette Notification, **F. No. 1-18/2021 (CPP-II)** - Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges - Regulations, 2023, dated 13.04.2023.
2) KITSW-Administrative Manual.

***

As per the new guidelines (vide Ref.1) issued by the University Grants Commision (UGC), New Delhi, the composition of Board of Studies is reframed. The same was notified in the administrative manual of our institute (vide Re.2).

The composition of the BoS is mentioned in the following table for your information and necessary action.

S.No	BoS Members	Name and Designation	Status
1.	Head of the Department concern (Chairman).		Chairman
2	Two subject experts from Institutes of National Importance.		Member
3	One subject expert from outside the country.		Member
4	One expert from Kakatiya University (one expert to be nominated by the Vice-Chancellor from ***a panel of six recommended*** by the department).	(HoD is requested to furnish names of Six Subject Experts from Kakatiya University, Warangal)	Member
5	Four members of industry /corporate sector/allied areas.		Member
6	Two members of the College alumni (preferably one from UG and one from PG)		Member

In this regard HoDs are requested to **submit a panel of six subject experts** (Sr. No.4, in the above mentioned table) **in from Kakatiya University, Warangal, on or before 30.01.2024, to the under signed for its submission to the affiliating University**. Out of a panel of six subject experts, one will be nominated as BoS member (subject expert from the affiliating university) by the Vice-Chancellor.

Further, HoDs are requested to nominate other BoS members as per the above mentioned table (Sr. No. 2, 3, 5 & 6). They have to take consent (through a phone call) from the experts before finalizing the members before sending a formal request letter.

The HoDs are requested to submit a duly signed list of the members (other than University Subject Expert) as per the above format in the office of Dean, AA **on or before 02.02.2024** and send a soft copy to ***deanaa@kitsw.ac.in***.

K.V. madhav

Dean, AA

To,
All HoDs, with a request for necessary action

Copy to:
The Chairman, KITSW
The Registrar
Stack file -Academic Section

ISO 9001:2015 AICTE-CII GOLD Category Institute NAAC 'A' Grade Institute (CGPA: 3.21)

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506015, TELANGANA, INDIA
काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६०१५, तेलंगाना, भारत
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No.KITS/Acad/Autonomous-BoS (CSM)/2024 Date: 23.07.2024

ORDERS

Sub: KITS, Warangal – UGC Autonomous status - Constitution of Board of Studies (BoS) for B. Tech. Computer Science and Engineering (Artificial Intelligence & Machine Learning) (CSM) Programme – Modified Orders - Issued.

Ref: 1. Letter No. F. 22-1/2014(AC), Dt. 19.6.2014 from the Joint Secretary, UGC, New Delhi.
2. Letter No. 350/CDC/KU/2014, Dt. 18.8.2014. from the Registrar, KU, Warangal.
3. Letter No F. 22-1/2017(AC), Dt. 07.12.2021 from the Additional Secretary, UGC, New Delhi.
4. Letter No. 05/CDC/KU/2022, Dt. 20.04.2022. from the Registrar, KU, Warangal.
5. F No. 1-18/2021 of UGC (Conferment of Autonomous Status) Regulations 2023, Date: 03.04.2023
6. CSMD office Note No. KITS/Acad/Autonomous-BoS (CSM)/2024, Date: 08.05.2024
7. Letter No. 854/B3/KU/2024, Dt. 18.07.2024. from the Registrar, KU, Warangal.

-.-.-.-

With ref. to note 6 cited above, the **Board of Studies (BoS) for B. Tech. Computer Science and Engineering (Artificial Intelligence & Machine Learning) – (CSM) Programme** has been constituted with the following members for a period of three (3) years with effect from the date of issue of these orders.

S. No.	Name of the Member	Designation	Position in BoS
1.	Prof. S. Narasimha Reddy	*Professor & HoD, CSE(AI&ML), KITSW*	*Chairperson, BoS*
2.	Dr. Jitendra V. Tembhurne	*Asst. Professor, CSE IIIT, Nagpur*	*Member (Subject expert from Institute of National Importance)*
3.	Dr. P. Sateesh Kumar	*Assoc. Professor, Dept. of CSE, IIT Roorkee*	*Member (Subject expert from Institute of National Importance)*
4.	Mrs. Seema Vodithala	*Engineering Manager – BMJ, BMA House, Tavistock Square London WC1H 9JR, United Kingdom*	*Member (Subject expert from outside the country)*
5.	Dr. K. Padmaja	*University College of Engineering, Kothagudem Kakatiya University*	*Member (University Nominee)*
6.	Sri P. Prasad	*CTO, Strategy, Technology Software & Services Business Unit, TCS*	*Member (Industry Representative)*
7.	Sri K. Venkata Swamy	*Senior Software Architect, CA Technology, Hyderabad*	*Member (Industry Representative)*
8.	Dr. Praveen Jambholkar	*CEO, Metagogy Learning systems Pvt. Ltd, Hyderabad*	*Member (Industry Representative)*
9.	Sri D. Sherlin Paul	*Senior Manager, Project Management, Cognizant Technology Solutions, Chennai*	*Member (Industry Representative)*
10.	Sri K. Sai Anirudh	*Software Developer, Adjoint Technologies, Hyderabad*	*Member (UG Alumni)*
11.	Sri Koushik Bhupathi	*Senior Software Architect, ADP, Hyderabad*	*Member (PG Alumni)*
12.	All Faculty of the Department	-	*Members*

The Board shall exercise such powers, perform such duties and functions in accordance with the procedure laid down in UGC norms for the Kakatiya Institute of Technology & Science, Warangal.

The meeting of the Board shall ordinarily be convened as and when necessary, at least once in every six months.

However, any member of the Board of Studies shall cease to be a member when he vacates the office, which he was holding at the time of his/her appointment, unless otherwise permitted by the authority.

PRINCIPAL

To
The Persons concerned
Copy to:
1. Chairman
2. Treasurer
3. Registrar
4. Administrative Officer
5. All Heads of Departments
6. Academic Section

MINUTES OF THE MEETING OF BOARD OF STUDIES (BoS) in COMPUTER SCIENCE & ENGINEERING (AI & ML)

Held at 07.00 PM on 02.08.2024 (Friday)
Venue: Online through Microsoft teams

Agenda:

1. **Approval of the scheme of instruction of B.Tech. CSE (AI & ML) program under URR24**
2. **Approval of the syllabus of B.Tech. CSE (AI & ML) program – I & II semesters under URR24**
3. **Approval of rules and regulations under URR24**
4. **Any other item with the permission of the Chair**

Members Present:

S.No.	Name of the Member	Position in BoS	Attendance
1.	Prof. S. Narasimha Reddy, Professor & HoD, CSE (AI&ML), KITSW	*Chairperson, BoS*	Present
2.	Dr. Jithendra V. Tembhurne Professor, Dept. of CSE IIT, Nagpur	*Member* *(Subject expert from Institute of National Importance)*	Present
3.	Dr. P. Sateesh Kumar Assoc. Prof, Dept. of CSE ,IIT Roorkee	*Member* *(Subject expert from Institute of National Importance)*	*Absent due to travelling*
4.	Mrs. Seema Vodithala, Engineering Manager – BMJ, BMA House, Tavistock Square, London WC1H 9JR, United Kingdom	*Member* *(Subject expert from outside the country)*	Present
5.	Dr. K. Padmaja University College of Engineering, Kothagudem, Kakatiya University	*Member* *(University Nominee)*	Present
6.	Sri P. Prasad CTO, Strategy Technology Software and Services Business Unit TCS	*Member* *(Industry Representative)*	Present
7.	Sri K. Venkata Swamy Senior software Architect, CA Technology, Hyderabad	*Member* *(Industry Representative)*	Present
8.	Dr. Praveen Jambholkar CEO Metagogy Learning Systems Pvt. Ltd., Hyderabad	*Member* *(Industry Representative)*	Present

9.	Sri D. Sherlin Paul Senior Manager, Project Management Cognizant Technology Solutions, Chennai	*Member* *(Industry Representative)*	Present
10.	Sri K. Sai Anirudh Software Developer, Adjoint Technologies, Hyderabad	*Member* *(UG Alumni)*	Present
11.	Sri Koushik Bhupathi Senior Software Architect, ADP, Hyderabad	*Member* *(PG Alumni)*	Present
12.	Sri. S. Naga Raju, Associate professor	*Member*	Present
13.	Dr. A. Jothi Prabha, Associate professor	*Member*	Present
14.	Dr. K. Vinay Kumar, *Assistant professor*	*Member*	Present
15.	Dr. B. Hanumanthu, *Assistant professor*	*Member*	Present
16.	Sri. I. Sai Rama Krishna, *Assistant professor*	*Member*	Present
17.	Dr. M. Sujatha, *Assistant professor*	*Member*	Present
18.	Mrs. R. Swetha, *Assistant professor*	*Member*	Present
19.	Mrs. E. Rajitha, *Assistant professor*	*Member*	Present
20.	Ms. M. Hithasri, *Assistant professor*	*Member*	Present
21.	Mrs. D. Haritha, *Assistant professor*	*Member*	Present
22.	Mrs. V. Prashanthi, *Assistant professor*	*Member*	Present
23.	Sri. M. Ramarao, *Assistant professor*	*Member*	Present
24.	Dr. S. Raghu, *Assistant professor*	*Member*	Present
25.	Sri. B. Ramji, *Assistant professor*	*Member*	Present
26.	Dr. M. Rajesh, *Assistant professor*	*Member*	Present
27.	Sri. V. Ramu, *Assistant professor*	*Member*	Present
28.	Sri. B. Kalyan, *Assistant professor*	*Member*	Present
29.	Mrs. A. Ramya Kumari, *Assistant professor*	*Member*	Present
30.	Mrs. T. Rajitha, *Assistant professor*	*Member*	Present
31.	Sri. K. Venkateshwara Rao, *Assistant professor*	*Member*	Present

1. BoS meeting of Computer Science and Engineering (AI & ML) Department was conducted on 02.08.2024, from 07:00 PM to 09:00 PM online mode through Microsoft

Teams.

2. Nine(09) external members and all the Internal BoS members attended the online meeting conducted through MS Teams platform
3. All the BoS members who attended the meeting offered their valuable suggestions.

Details of the meeting

The meeting commenced at 07:00 PM and was presided over by the Chairman, BoS. At the outset, the Chairman, BoS welcomed the members to the meeting to discuss the pre-notified items on the agenda and sought approval.

- At the outset, the Chairman presented his views that the engineering programmes are required to impart required Knowledge (K), Skills (S) and Qualities (Q) (values and attitude) and facilitate students to acquire the characteristics of good engineer. The KSQ imparted to the students will make them industry ready and also capable of entering Institutes of National Importance for higher education and research.
- The chairman informed the BoS members that industry experts and alumni have been contacted for inputs in preparing URR24 industry ready curriculum. The expected competencies (both Technical and generic competencies) to be demonstrated **by the graduates of B.Tech. AI & ML programme** along with the **target industries/research organizations** have been identified. The courses (theory& Labs) for the B.Tech. AI & ML programme have been identified by mapping the desired competencies with courses and prepared the **blueprint of the scheme.**
- Learning tracks for Placements (core & IT/ITES), higher education and research are identified for the benefit of students
- The members of BoS have been informed about the following new components that are newly introduced in the curriculum under URR24 regulations.

Component introduced	Semester	Total credits	Justification
Multidisciplinary Open Electives Courses (MOPEC)	V, VII & VIII	9	To give exposure on interdisciplinary and cross disciplinary domains.

Practicum	I, II, III & IV	4	For experiential learning to impart problem-solving, critical thinking, and communication skills
Startups & Entrepreneurship (STE) basket	V	3	To inspire and prepare the graduates with startup and entrepreneurial mindset
Social Empowerment Activities (SEA) and Self Accomplishment Activities (SAA)	I, II, III & IV	4	To ensure all dimensional holistic growth of the learner
Expert Talk Series	I, II, III, IV, V & VI	6	To provide graduates with up-to-date industry relevant knowledge and technological trends in their respective fields

- The members of BoS have also been informed that as per NEP 2020 guidelines, Multiple Entry Multiple Exit (MEME) option has been introduced in the programme.

S. No.	Exit Description	Exit Point	Degree/Certificate offered	Goal
1.	First Exit	After completion of First year.	UG Certificate in CSE (AI & ML)	The student should be employable as Technical Assistant CSE(AI & ML) in any industry/organization.
2.	Second Exit	After completion of Second year.	UG Diploma in CSE (AI & ML)	The student should be employable as Technician (CSE (AI & ML)) in any industry/organization.
3.	Third Exit	After completion of Third year.	B. Voc in CSE (AI & ML)	The student should be employable as Technical Supervisor (CSE (AI & ML)) in any industry/organization.
4.	Normal Exit	After completion of Fourth year.	B.Tech in CSE (AI & ML)	The student should be employable as an Engineer (CSE (AI & ML)) inany relevant industry/organization.

- The members of BoS have been informed that the following degrees can be awarded for fast learners (students need to acquire additional credits by completing additional courses/research)
    - B. Tech with "Minor"
    - B. Tech "Honours"
    - B. Tech "Honours with Research"

- The BoS members have been informed that the curriculum is designed to offer **four** baskets of Programme Electives, each basket having identified courses corresponding to the programme specializations called verticals. This enables learners to grow in a domain specialization or domain vertical. The student can opt for courses in the sequel (PEC-1 to PEC-4) in any of the specific verticals or across the verticals. If a student completes the sequel of courses PEC-1 to PEC-4 listed under a specific vertical, that specific vertical will be mentioned in his/her degree certificate, as specialisation.
- Respected external members have given following inputs and suggestions for the curriculum revision under URR 24

Suggestions Received from External BoS Members:

S. No.	Name of the member	Suggestions/Remarks offered
1.	Dr. Jithendra V. Tembhurne Professor, Dept. of CSE IIT, Nagpur	1. More weightage should be given to Program Core Courses. 2. The subject name Programming for Program Solving using C should be generic. 3. Customize Physics and Chemistry syllabus to benefit CSE students. Chemical bonds and few tools can be added to the chemistry syllabus. 4. Tutorials are not required for every subject especially theory subjects. 5. Suggested to convert tutorials to theory class so the faculty has more time to sharpen the skill of students. 6. Design and Analysis of algorithms subject to be moved to fourth semester or earlier. 7. Suggested to remove "state minimization" topic in Switching Theory and Logic Design and add Analog circuits. 8. Suggested GPU Architecture to be added for "Computer Architecture and Organization" subject. 9. Pointed out that it's always not possible to give a 1 mark question as per the TOC for all subjects.
2.	Dr. P. Sateesh Kumar Assoc. Prof Dept. of CSE ,IIT Roorkee	Absent for the meeting as he was travelling
3.	Mrs. Seema Vodithala Engineering Manager – BMJ, BMA House, Tavistock Square London WC1H 9JR, United Kingdom	1. Checked for the rules listed for PRACTICUM 2. Enquired on how the projects for PRACTICUM will be given to students and how is it monitored 3. Insisted on maintaining clear rules and regulations for assessment of marks for CIE and all exam components
4.	Dr. K.Padmaja University College of Engineering, Kothagudem, Kakatiya University	No remarks
5.	Sri.P.Prasad CTO, Strategy Technology Software	No remarks

	and Services *Business Unit TCS*	
6.	Sri K. Venkata Swamy Senior software Architect, CA Technology, Hyderabad	1. Design and Analysis of algorithms subject to be moved earlier and lab is also required for this subject 2. Arrays has to be included in self learning topics of "Data Structures through C" 3. He insisted on practicing data structures through C to improve their logical and coding skills 4. Assemble language programming to be covered in "Computer Architecture and Organization" subject 5. Case studies and Virtual labs can be introduced in "Computer Architecture and Organization" subject to engage the students in learning 6. Suggested including "No SQL" concepts in the exit course after first year 7. Suggested to minimize the syllabus of Computer Networks in the exit course as it is difficult to cover in 2 months.
7.	Dr. Praveen Jambholkar CEO Metagogy Learning Systems Pvt. Ltd., Hyderabad	No remarks
8.	Sri. D.Sherlin Paul Senior Manager, Project Management Cognizant Technology Solutions, Chennai	1. C++ and Linux operating system are to be offered in the syllabus 2. Multiple Exit option with certification after the first year or second year may not be beneficial to the student as IT Industry does not usually consider such certifications. 3. Students to be trained to improve their logical skills mainly during programming skill development labs.
9.	Sri K. Sai Anirudh Software Developer, Adjoint Technologies, Hyderabad	1. Case studies can be introduced in "Computer Architecture and Organization" subject to engage the students in learning 2. Mathematics Projects or assignments can be beneficial to students
10.	Sri Koushik Bhupathi Senior Software Architect, ADP, Hyderabad	No remarks

RESOLUTIONS

After deliberations, the BoS in Computer Science and Engineering(AI&ML)has resolved the following

1. **BoS-URR24 –CSE (AI&ML)- August 2024 – R1:**

   Resolved to approve the scheme of instruction of B.Tech. CSE(AI&ML)programme under URR24

2. **BoS-URR24 - CSE**(AI&ML)**- August 2024 – R2:**

   Resolved to approve the syllabus of B.Tech. CSE (AI&ML) programme for semesters I & II under URR24

3. **BoS-URR24 - CSE**(AI&ML)**- August 2024 – R3:**

Resolved to approve the rules and regulations of B.Tech. CSE(AI&ML) programme under URR24

At the end, the Chairperson, BoS, thanked all the BoS members for giving their suggestions and approving the B.Tech CSE (AI&ML) scheme and syllabus under URR24.

The meeting was adjourned at 9.00 pm.

Prof.S. Narasimha Reddy
Chairperson, BoS of CSE (AIML),KITSW
Professor & Head, CSMD

ISO 9001:2015 AICTE-CII GOLD Category Institute NAAC 'A' Grade Institute (CGPA: 3.21)

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No.KITS/Acad/Autonomous-BoS (CSM)/2025 Date: 14.02.2025

ORDERS

Sub: KITS, Warangal – UGC Autonomous status - Constitution of Board of Studies (BoS) for B. Tech. Computer Science and Engineering (Artificial Intelligence & Machine Learning) (CSM) Programme – Modified Orders - Issued.

Ref: 1. Letter No. F. 22-1/2014(AC), Dt. 19.6.2014 from the Joint Secretary, UGC, New Delhi.
2. Letter No. 350/CDC/KU/2014, Dt. 18.8.2014. from the Registrar, KU, Warangal.
3. Letter No F. 22-1/2017(AC), Dt. 07.12.2021 from the Additional Secretary, UGC, New Delhi.
4. Letter No. 05/CDC/KU/2022, Dt. 20.04.2022. from the Registrar, KU, Warangal.
5. F No. 1-18/2021 of UGC (Conferment of Autonomous Status) Regulations 2023, Date: 03.04.2023
6. CSMD office Note No. KITS/Acad/Autonomous-BoS (CSM)/2024, Date: 08.05.2024
7. Letter No. 854/B3/KU/2024, Dt. 18.07.2024. from the Registrar, KU, Warangal.
8. CSMD office Note No. 141/BoS/CSM/2025, Date: 10.02.2025

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With ref. to note 8 cited above, the **Board of Studies (BoS) for B. Tech. Computer Science and Engineering (Artificial Intelligence & Machine Learning) – (CSM) Programme** has been constituted with the following members for a period of three (3) years with effect from the date of issue of these orders.

S. No.	Name of the Member	Designation	Position in BoS
1.	Prof. S. Narasimha Reddy	*Professor & HoD, CSE(AI&ML), KITSW*	*Chairperson, BoS*
2.	Dr. Jitendra V. Tembhurne	*Asst. Professor, CSE IIIT, Nagpur*	*Member (Subject expert from Institute of National Importance)*
3.	Prof. S. Ravichandra	*Professor of CSE, NIT Warangal*	*Member (Subject expert from Institute of National Importance)*
4.	Smt Archana Tandra	*Vice President, Goldman Sachs Dallas, United States of America*	*Member (Subject expert from outside the country)*
5.	Dr. K. Padmaja	*University College of Engineering, Kothagudem Kakatiya University*	*Member (University Nominee)*
6.	Sri P. Prasad	*CTO, Strategy, Technology Software & Services Business Unit, TCS*	*Member (Industry Representative)*
7.	Sri K. Venkata Swamy	*Senior Software Architect, CA Technology, Hyderabad*	*Member (Industry Representative)*
8.	Dr. Praveen Jambholkar	*CEO, Metagogy Learning systems Pvt. Ltd, Hyderabad*	*Member (Industry Representative)*
9.	Sri D. Sherlin Paul	*Senior Manager, Project Management, Cognizant Technology Solutions, Chennai*	*Member (Industry Representative)*
10.	Sri K. Sai Anirudh	*Software Developer, Adjoint Technologies, Hyderabad*	*Member (UG Alumni)*
11.	Sri Koushik Bhupathi	*Senior Software Architect, ADP, Hyderabad*	*Member (PG Alumni)*
12.	All Faculty of the Department	- /	*Members*

The Board shall exercise such powers, perform such duties and functions in accordance with the procedure laid down in UGC norms for the Kakatiya Institute of Technology & Science, Warangal.

The meeting of the Board shall ordinarily be convened as and when necessary, at least once in every six months.

However, any member of the Board of Studies shall cease to be a member when he vacates the office, which he was holding at the time of his/her appointment, unless otherwise permitted by the authority.

PRINCIPAL

To
The Persons concerned
Copy to:
1. Chairman
2. Treasurer
3. Registrar
4. Administrative Officer
5. All Heads of Departments
6. Academic Section

No. /KITS/CSM/UG/URR-18_R23 Date: 29.03.2025

BoS meeting of B.Tech CSE(Data Science) program (Virtual mode)

Date and time of the meeting: 25.02.2025 @ 9.30 am (through MS teams online)

Agenda:

- Presentation of URR-18_R23 III year scheme and syllabus of CSE(Data Science) to BoS members for approval
- Any other issues with the permission of the chair

The following is the list of BoS members (CSE-Data Science) who attended the meeting :

S.No.	Name	Designation	Position in BoS	Attended/not
1.	Prof. S. Narasimha Reddy	Professor & HoD, CSE (AI&ML), KITSW	*Chairperson*, BoS	Attended
2.	Dr. Tausif Diwan	Asst. Professor & HoD, CSE, IIT, Nagpur	*Member* (Subject expert from Institute of National Importance)	Attended
3.	Dr. Damodar Reddy Edla	Associate Professor, Dept. of CSE, NIT, GOA	*Member* (Subject expert from Institute of National Importance)	Attended
4.	Smt. Vinathi. S	Senior IT QA, LexisNexis Risk Solutions, GA	*Member* (Subject expert from outside the country)	Attended
5.	Ms. Sravanthi	University College of Engineering, Kothagudem, Kakatiya University	*Member* (University Nominee)	Attended
6.	Sri. S. UdayAditya	Senior Consultant, Thoughtworks, Hyderabad	*Member* (Industry Representative)	Attended
7.	Sri M. Deepan Raj	Senior Technical Lead - Data Science, HCL Technologies	*Member* (Industry Representative)	Not Attended
8.	Mrs. Neeraja Patnala	Engineer-3, JMPC, Hyderabad	*Member* (Industry Representative)	Attended

9.	Sri Sai Krishna Mohan Chitikam	Senior Manager and Principal Consultant, Infosys Pvt. Ltd., Hyderabad	*Member* (Industry Representative)	Attended
10.	Sri Venkat Sai Teja	Artificial Intelligence Engineer, AssetSense Technologies Private Limited	*Member* (UG Alumni)	Attended
11.	Sri Rahul Veeraganti	Senior Software Engineer, Movate Technologies Pot. Ltd., Bangalore	*Member* (PG Alunni)	Attended
12.	Sri. S.Nagaraju	Assoc. Prof of CSE(AI&ML) Dept , KITSW	Member	Attended
13.	Dr. Jothi Prabha Appadurai	Assoc. Prof. of CSE(AI&ML), KITSW	Member	Attended
14.	Dr.A.Kiranmayee	Assoc. Prof. of CSE(AI&ML), KITSW	Member	Attended
15.	Dr. K.Vinay Kumar	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
16.	Dr.B.Hanumanthu	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
17.	Sri. I. Sai Rama Krishna	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
18.	Dr. M.Sujatha	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
19.	Smt. R.Swetha	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
20.	Smt. E. Rajitha	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
21.	Ms. M. Hithasri	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
22.	Smt. D. Haritha	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
23.	Smt. V. Prashanthi	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
24.	Sri. M. Ramarao	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
25.	Dr. S. Raghu	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
26.	Sri. B. Ramji	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended

27.	Dr. M. Rajesh	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
28.	Sri. K. Shiva Kumar	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
29.	Sri. V. Ramu	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
30.	Sri. B. Kalyan	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
31.	Smt. A. Ramya Kumari	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
32.	Smt. T. Rajitha	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
33.	Sri. K. Venkateshwara Rao	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended
34.	Smt. N.Haritha	Asst. Prof. of CSE(AI&ML), KITSW	Member	Attended

MINUTES OF MEETING:

1. The chairperson of the BoS Dr. Soora Narasimha Reddy, Professor & Head of Department, CSE(AI&ML) welcomed the internal and External BoS members and further proceedings were taken up by the academic coordinator Dr.Jothi Prabha Appadurai

2. Dr. K. Vinay Kumar presented the URR-18_R23 Scheme and Syllabus of 5th and 6th semesters respectively

3. Firstly, V semester syllabus to be approved was presented to BoS

   (i) Data Mining and Data Warehousing course syllabus of V Semester was presented to BoS unit wise and made open for suggestions

   Below are the comments/suggestions given by external BoS members

   (a) Outlier Detection topic need to added and mentioned clearly in the syllabus

   Response: Outlier Detection is added to Unit IV. The updated syllabus is enclosed for reference

   (b) Suggested the subject title to be changed to "Data Warehousing and Data Mining"

   Response: The subject title is changed to "Data Warehousing and Data Mining" as suggested. The updated syllabus is enclosed for reference.

(ii) Data Mining and Data Warehousing Laboratory course syllabus of V Semester was presented to BoS unit wise and made open for suggestions

Below are the comments/suggestions given by external BoS members

(a) Data Analytics and Visualization tools like Tableau /PowerBI can be added.

Response: Data Analytics and visualization is dealt with in a separate subject called Data Visualization in VII Semester. Tableau/ PowerBI tools will be added to the subject Data Visualization

(b) Time Series Analysis to be added to the laboratory exercise

Response: Time Series Analysis will be added to the subject "Data Visualization Laboratory "in the VII semester

(iii) Big Data Analytics course syllabus of VI Semester was presented to BoS unit wise and made open for suggestions

Below are the comments/suggestions given by external BoS members

(a) Introduction to various databases and PostgreSQL can be added

Response: Introduction to various databases and PostgreSQL are already added in the subject "Database Management Systems"

(b) Data Analytics and visualization tools like Tableau /PowerBI can be added

Response: Data Visualization topic is suggested for both DWDM Lab as well as BDA Lab. It has been incorporated into Data Visualization Lab in VII Semester.

(v) R Programming course syllabus of VI Semester was presented to BoS unit wise and made open for suggestions

Below are the comments/suggestions given by external BoS members

Syllabus is good to go

(vi) R Programming Laboratory course syllabus of VI Semester was presented to BoS unit wise and made open for suggestions

Below are the comments/suggestions given by external BoS members

(a) Deserialization and Serialization shall be added in the X th experiment of R programming laboratory course

Response: Programs on De-Serialization and Serialization has been added to X th experiment of R programming laboratory course as suggested. Updated syllabus is attached for your reference.

(b) Cloud based deployment in R programming

Response: Cloud based deployment is added as a course project of Cloud Computing Subject in VII Semester as they don't have knowledge on cloud computing while they study R Programming.

Below are the generic comments regarding the roadmap for AI Engineering

1. The traditional approach of learning fundamentals in detail first and focusing on tools later should be restructured. It should integrate relevant tools within each topic, enabling students to apply concepts immediately through hands-on projects and lab work, ensuring both theoretical understanding and practical expertise.

Response: The design of URR24 syllabus for III- VIII Semester is in progress. The above points will be considered and incorporated during syllabus design and revision.

2. The curriculum should be designed to align with core competencies of the course and the evolving industry demands of a data science engineer.

Response: The design of URR24 syllabus for III- VIII Semester is in progress. The above points will be considered and incorporated during syllabus design and revision.

3. Is Data Security covered as a subject in the curriculum?

Response: Data Security is covered in the subject "Cryptography and Network Security" in the sixth semester

4. Batch Processing and Multithreading concepts need to be added in the curriculum if not added.

Response: Batch Processing and Multithreading concepts covered in the subject "Operating Systems"

5. The roadmap to AI engineer should cover the entire lifecycle of Data from data ingestion, Data Lake, computation, data warehouse and presentation. AWS, Microsoft Azure, Google Cloud to be integrated into syllabus in the laboratory courses or projects can be helpful for students to make them industry ready

Response: The design of URR24 syllabus for III- VIII Semester is in progress. The above workflow and topics will be considered and incorporated during syllabus design and revision

6. The curriculum should have a roadmap with different levels.

Level 1 : Foundation and Data Science

Level 2: Traditional ML, DL and Neural Networks

Level 3: Generative AI, Large Language Models and Retrieval-Augmented Generation

Response: The design of URR24 syllabus for III- VIII Semester is in progress. The above subjects/topics will be added during syllabus design and revision

Level 4: Evaluating and Optimizing LLM's, Fine-tuning Large Language Models, AI Engineering Ethics and Safety

Response: The design of URR24 syllabus for III- VIII Semester is in progress. The above subjects/topics will be added during syllabus design and revision

Presentation of all course syllabus to be approved was completed. The meeting adjourned at 11:05 AM after thanking all the Internal and External BoS members for thie active participation , support and valuable inputs

Dr. S. Narasimha Reddy
Professor & Head, CSE(AI&ML)

MINUTES OF THE MEETING OF BOARD OF STUDIES (BoS) in COMPUTER SCIENCE AND ENGINEERING (AI&ML)
Held at 02.00 PM on 10.05.2025 (Saturday)
Online Through Microsoft Teams

Agenda:

1. **Approval of the Modified scheme of instruction of B.Tech. CSE(AI&ML) program under URR24**
2. **Approval of the syllabus of B.Tech. CSE(AI&ML) program – III & IV semesters under URR24**
3. **Approval of Course Articulation Matrix (CAM) of B.Tech. CSE(AI &ML) program – I & II semesters under URR24 as per NBA tier I new format**
4. **Any other item with the permission of the Chair**

Members Present:

S.No.	Name of the Member	Position in BoS	Signature
1.	Prof. S. Narasimha Reddy, Professor & HoD, CSE(AI&ML), KITSW	*Chairperson, BoS*	*Present*
2.	Dr. Jithendra V. Tembhurne Professor, Dept. of CSE IIT, Nagpur	*Member (Subject expert from Institute of National Importance))*	*Present*
3.	Prof. S. Ravichandra Professor of CSE, NIT Warangal	*Member (Subject expert from Institute of National Importance)*	*Present*
4.	Smt. Archana Tandra Vice President, Goldman Sachs Dallas, United States of America	*Member (Industry Representative)*	*Not Present*
5.	Dr. K. Padmaja University College of Engineering, Kothagudem, Kakatiya University	*Member (University Nominee)*	*Present*
6.	Sri P. Prasad CTO, Strategy Technology Software and Services Business Unit TCS	*Member (Industry Representative)*	*Not Present*
7.	Sri K.Venkata Swamy Senior software Architect, CA Technology, Hyderabad	*Member (Industry Representative)*	*Present*
8.	Dr. Praveen Jambholkar CEO Metagogy Learning Systems Pvt. Ltd., Hyderabad	*Member (Industry Representative)*	*Present*
9.	Sri D. Sherlin Paul Senior Manager, Project Management Cognizant Technology Solutions, Chennai	*Member (Industry Representative)*	*Present*
10.	Sri K. Sai Anirudh Software Developer, Adjoint Technologies, Hyderabad	*Member (UG- Alumni)*	*Present*
11.	Sri Koushik Bhupathi Senior Software Architect, ADP,	*Member (PG- Alumni)*	*Present*

	Hyderabad		
12.	Sri. S. Naga Raju, *Associate professor*	*Member*	*Present*
13.	Dr. A. Jothi Prabha, *Associate professor*	*Member*	*Present*
14.	Dr. A. Kiranmayee, Associate professor	*Member*	*Present*
15.	Dr. K. Vinay Kumar, *Assistant professor*	*Member*	*Present*
16.	Dr. B. Hanumanthu, *Assistant professor*	*Member*	*Present*
17.	Sri. I. Sai Rama Krishna, *Assistant professor*	*Member*	*Present*
18.	Dr. M. Sujatha, *Assistant professor*	*Member*	*Present*
19.	Mrs. R. Swetha, *Assistant professor*	*Member*	*Present*
20.	Mrs. E. Rajitha, *Assistant professor*	*Member*	*Present*
21.	Ms. M. Hithasri, *Assistant professor*	*Member*	*Present*
22.	Mrs. D. Haritha, *Assistant professor*	*Member*	*Present*
23.	Mrs. V. Prashanthi, *Assistant professor*	*Member*	*Present*
24.	Sri. M. Ramarao, *Assistant professor*	*Member*	*Present*
25.	Sri. B. Ramji, *Assistant professor*	*Member*	*Present*
26.	Dr. M. Rajesh, *Assistant professor*	*Member*	*Present*
27.	Sri. V. Ramu, *Assistant professor*	*Member*	*Present*
28.	Sri. B. Kalyan, *Assistant professor*	*Member*	*Present*
29.	Mrs. A. Ramya Kumari, *Assistant professor*	*Member*	*Present*
30.	Mrs. T. Rajitha, *Assistant professor*	*Member*	*Present*
31.	Sri. K. Venkateshwara Rao, *Assistant professor*	*Member*	*Present*
32.	Mrs.N.Haritha, *Assistant professor*	*Member*	*Present*
33.	Sri.K.Chandar, *Assistant professor*	*Member*	*Present*
34.	Sri. S. Sankeerth , *Assistant professor*	*Member*	*Present*
35.	Ms. M. Akhila, *Assistant professor*	*Member*	*Present*
36.	Smt. T.Swetha, *Assistant professor*	*Member*	*Present*
37.	Sri. P.Sravan, *Assistant professor*	*Member*	*Present*

BoS meeting of Computer Science and Engineering (AI & ML) Department was conducted on 10.05.2025, from 02:00 PM to 04:45 PM online mode through Microsoft Teams. 8 BoS External members and all Internal BoS members attended the online meeting conducted through MS Teams platform

The meeting commenced at 02.00 PM and was presided over by the Chairperson, BoS. At the outset, the Chairperson, BoS welcomed the members to the meeting to discuss the pre notified items on the agenda and sought approval.

The chairperson informed the BoS members that industry experts and alumni have been contacted for inputs in preparing URR24 industry ready curriculum and syllabus.

In the revised scheme, 1 credit out of the 2 credits of "Soft and Interpersonal Skills" course has been transferred to the "Sports and Yoga "course in the I semester.

As per the NBA Tier I revised format, the number of Program Outcomes (POs) in the Course Articulation Matrix (CAM) tables for I and II semesters has been reduced from 12 to 11, and all Course Outcomes (COs) have been appropriately mapped to the revised POs.

Respected external members have given following inputs and suggestions for the III semester & IV semester curriculum revision under URR24.

Suggestions Received from External BoS Members and Action Taken for the suggestions:

Sl. No	BoS Member	Suggestions	Remarks/Action Taken
1.	Dr. Jithendra V. Tembhurne Professor, Dept. of CSE IIT, Nagpur	DAA- Suggested to move the subject "Design and Analysis of algorithms" from 5th semester to fourth semester	As per KITSW rules and regulations of URR24 scheme and infrastructural constraints, there should be only two Theory Integrated Lab course per semester and a PSD laboratory. In fourth semester, there are already 2 Theory Integrated Lab cours subjects Python Programming, DBMS and PSD Lab 3. Hence it is not feasible to move DAA to 4th semester.

		PSD Lab 2 -Suggested using various tools in AIML that are not taught as part of the curriculum in PSD Lab 2. Invest this lab for skill development by using platforms such as HackerRank/CodeChef etc.	PSD Lab 2: All Theory Integrated Lab courses are practiced using NeoColab platform which has code from HackerRank, Code Chef etc. It also has programs based on previous Training & placement exams
		DBMS: Add Query optimization to Unit III, Indexing and Hashing in Laboratory. Use data modeling tools such as Oracle data modeling, Erwin, TOAD etc in the laboratory.	DBMS: Query optimization is already in Unit III. Indexing is added to lab syllabus. Added one experiment that uses Oracle data modeling tool TOAD suggested by the external member. Hashing is already covered in Data Structures subject
		AI : Add practical contents to the syllabus . If possible take 1 credit from another subject and add lab to this subject. Studying DAA before AI will make understand the AI algorithms better.	AI : 1 or 2 case studies to be added wherever applicable. Also practical contents to be covered in Practicum.
		SE. If feasible, remove from credit from SE and add it to AI for lab.	SE: As per rules and regulations of URR24 scheme, theory subject should have 3 credit and Theory Integrated Lab course should have 4 credits hence credits cannot be moved from subject to another
		CN: The prescribed textbook by Tannenbaum follows top to bottom approach and the 4th reference book uses bottom up approach. This reference book shall be used for lecturers as its good, with real-world problem examples. Suggested adding lab to this subject.	CN: The topics relating to bottom up approach is to be covered in Self learning topics and also practiced during tutorials and Practicum
		PP: Suggested to move data types and data structures from Unit 2 to Unit 1.	PP: The topics were distributed unit wise based on the order of the text book. This is common course across CS/IT branches and

			approved by other department BoS without any changes.
2.	Prof. S. Ravichandra Professor of CSE, NIT Warangal	OOP through Java: Add small application programs like gaming etc. in the laboratory experiments. Add OOP principles with encapsulation in Unit -1. Basic topics like datatypes, variables, control structures can be taught in the tutorial and skipped in class SE: Suggested to add a lab for Software Engineering and also to add 1-2 hours of testing activity. Students are to be given test cases and test the program so they get a clear understanding on how to test the program CN: Suggested to modify the syllabus to cover both top to bottom and bottom to top approaches as suggested by Jithendra Sir. He insisted that theory and the corresponding lab should be covered in the same semester but in few cases itc covered later in PSD labs which could cause a gap in learning ATCD : This subject is required From GATE perspective.	OOP through Java: The laboratory experiments are only sample experiments. All programming language laboratories are practiced using NeoColab platform which has code from HackerRank, Code Chef etc. It also has programs based on previous Training & placement exams. It includes Small application programs too. OOP principles with encapsulation to be added in Unit -1. In KITS Warangal, Tutorials classes are not meant for teaching. They are meant for practicing and students will present and Practice the designated problems during tutorials which will be evaluated by course faculty and will have grading marks for students. SE: Students use NeoColab which includes test case based programs. CN: The topics relating to bottom up approach to be added in Self learning topics and also practiced during tutorials and Practicum. Subjects that have more weightage from T&P perspective have theory and lab in the same semester. In other cases they are practicing in PSD lab in the following semester ATCD: No action required

		DWDM Exit Course: Is implementation of Star and snowflake schema possible? Add some usecases to datawarehouse topic in the lab. WP exit course: Remove PHP and add topics relating to building web applications. Add more weightage to lab components.	DWDM Exit Course: All implementations can be done using WEKA tool. Add some usecase to datawarehouse based experiments WP exit course: Remove PHP in Unit 3 and 4 . Add Angular, Next JS, React JS topics in place of PHP.
3.	Smt. ArchanaTandra Vice President, Goldman Sachs Dallas, United States of America	She was unable to attend the meeting	NIL
4.	Dr.K.Padmaja, University College of Engineering, Kothagudem, Kakatiya University	OS: Suggested lab for OS. Add latest operating systems in the syllabus as it only covers DOS and Windows mostly. Inquired about what exercises will be practiced as part of self learning topics OOP Through Java: Syllabus distribution is uneven. More topics can be added to Unit 1 DBMS: PL/SQL concepts not added in theory. ML Exit course : Syllabus is good to go CVIP Exit course: Is Image Processing and Classification covered as part of the syllabus?	OS: Scheduling algorithms is to be added in self learning topics. Virtualization and modern operating system is covered in cloud Computing subject during 7th semester. Exercises in the prescribed textbook will be practiced as part of self learning topics OOP Through Java: OOP Principles and encapsulation concepts are added to unit 1. DBMS: PL/SQL concepts not added in theory but covered in the laboratory. ML Exit course : No action required CVIP Exit course: Yes its covered part of Image Pattern Classification in Unit 4
5.	Sri P. Prasad CTO, Strategy Technology, Software and Services, Business Unit TCS	He was unable to attend the meeting	NIL
6.	Sri K. Venkata Swamy Senior software Architect, CA Technology, Hyderabad	PSD Lab 2 : Practice Unix/Linux Systems Programmimg in this lab instead of just C programming. It will cover C and OS fundamentals . ADS : Syllabus is framed well and all topics required are covered. Check whether any advanced algorithms for graph can be added.	PSD Lab 2 : Unix Programming is available as an elective in Programming Language vertical. ADS: Basic and advanced graph algorithms are covered hence no action required

		OS: Lab not required for OS but suggested to add Virtualization concept in main syllabus and modern operating systems, scheduling algorithms in self learning topics. OOP through Java : The syllabus looks decent but the lab experiments should contain usecase based exercises. DBMS: suggested toAdd introduction to Non –Relation databases .They can study in detail when they choose the advanced databases vertical. Add Row level security to concurrency control if not available. AI: Syllabus is good to go PSD Lab 3: suggested to Add framework- Java with SpringBoot as an exercise in this lab. ATCD: This subject is not necessary unless the student wants to go for industrial research. WP Exit Course: PHP is currently not used to build applications hence can be removed. Suggested to add Angular, Next JS, React JS topics in place of PHP.	OS: Virtualization concept is covered in cloud computing . Add Virtualization, modern operating systems, scheduling algorithms in self learning topics. OOP through Java : The laboratory experiments are only sample experiments. All programming language laboratories are practiced using NeoColab platform which has code from HackerRank, Code Chef etc. It also has programs based on previous Training & placement exams. DBMS: Introduction to Non –Relation databases is already in Unit I. Row level security is already available in the topic Data security and authorization AI : No Change Required PSD Lab 3: Adding framework to NeoColab is not feasible hence it can be covered during practicum projects ATCD: This subject is added from GATE perspective WP exit course: Remove PHP in Unit 3 and 4 . Add Angular, Next JS, React JS topics in place of PHP.
7.	Dr. Praveen Jambholkar CEO Metagogy Learning Systems Pvt. Ltd., Hyderabad	OS: To implement topics like Virtualization, Containers in lab especially for AIML students as the increased use of LLM has reduced 30% programmers already.	OS: Virtualization is covered in cloud computing and , Containers are covered in PSD Lab 5

		OOP through Java : Why do we need to learn Java when most of the AIML programs are done using Python .	OOP through Java :Java is added to syllabus as part of T&P requirement for placements
8.	Sri D. Sherlin Paul, Senior Manager, Project Management, Cognizant Technology Solutions, Chennai	Overall The syllabus is framed well. DBMS: The syllabus is heavily oriented towards Relational DB concepts – the relational DB concepts still exists and these are still maintained with existing applications (future scope is very limited). New development is shifting towards NoSQL concepts. Good to include more NoSQL concepts SE: The syllabus is talking only about waterfall methodology concepts. In industry waterfall methodology is almost extinct and Agile methodology is used extensively. Shifting focus toward Agile will align with current trend The text books suggested are old books, which focuses only on traditional Waterfall methodology ATCD: In regulation we could see there is a Mathematics paper on Machine Learning. Some of the topics may overlap between these 2 subjects. Please validate and revise accordingly OS: Today's tech world is moving towards virtual/cloud and distributed systems. Good to add more concepts regarding this, by limiting the traditional concepts	DBMS: Introduction to Non –relational databases is already in the lab as Postgresql. NoSQL concepts are covered in Self learning Topics SE: In first unit, we have a separate sections for Agile process models and different types of Agile models. Latest Agile models is to be added to Self learning topics SE by Roger. S. Pressman is the prescribed textbook opted by most of the universities. ATCD: There is no overlap topic between these two subjects OS: Virtualization is in cloud computing subject Modern operating systems, Latest scheduling algorithms are added to the syllabus as self learning topics
9.	Sri K. Sai Anirudh Software Developer, Adjoint Technologies,	PSD2 Lab : Suggested to add inline documentation ,design principles and coding practice to	PSD2 Lab : All programming languages are practiced using NeoColab . It comes

	Hyderabad	this lab DBMS : Suggested Add database principles to self learning topics	with inline documentation DBMS : Add database principles to self learning topics
10.	Sri Koushik Bhupathi Senior Software Architect, ADP, Hyderabad	No comments	NIL

RESOLUTIONS

After deliberations, the BoS in CSE(AI & ML) has resolved the following:

1. **BoS-URR24 –CSE(AI&ML)–May 2025 – R1:**

   Resolved to approve the updated scheme of instruction of B.Tech. **CSE(AI&ML)** programme under URR24

2. **BoS-URR24 - CSE(AI&ML)- May 2025 – R2:**

   Resolved to approve the syllabus of B.Tech. **CSE(AI&ML)** programme for III& IVsemesters with exit courses under URR24

3. **BoS-URR24 - CSE(AI&ML) - May 2025 – R3:**

   Resolved to approve Course Articulation Matrix(CAM) with 11 Program outcomes of I and II semester coursesof B.Tech. **CSE(AI&ML)** programme under URR24

   At the end, the Chairperson, BoS, thanked all the BoS members for giving their suggestions and approving the B.Tech **CSE(AI&ML)**scheme and syllabus under URR24.

   The meeting was adjourned at 04.45 pm.

Prof.S. Narasimha Reddy
Chairperson, BoS of CSE (AI&ML),KITSW
Professor & Head, Department of CSE(AI & ML)