R.M.K. ENGINEERING COLLEGE

[An Autonomous Institution]

R.S.M Nagar, Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu- 601 206
Affiliated to Anna University, Chennai / Approved by AICTE, New Delhi/ Accredited by NAAC with A+ Grade
An ISO 21001:2018 Certified Institution / All the Eligible UG Programs are accredited by NBA, New Delhi.
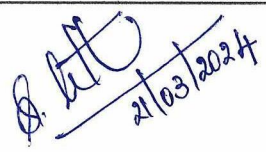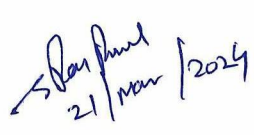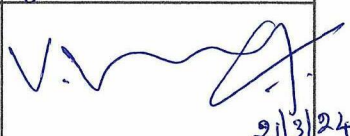
BoS – CSE and Allied Branches
(CSE, CSD, ADS, CSBS & IT)

MINUTES OF BOARD OF STUDIES MEETING

Name of the Board	CSE and Allied Branches (CSE, CSD, ADS, CSBS&IT)
Programmes Offered	B.E. - Computer Science and Engineering M.E. - Computer Science and Engineering B.E. - Computer Science and Design B.Tech. - Artificial Intelligence & Data Science B.Tech. – Computer Science and Business Systems B.Tech. – Information Technology
Date, Time and Venue	11.03.2024 (Thursday), 10:30 AM, Board Room, RJ Block, RMKEC
Meeting No.	09
Notification No. and Date	RMKEC/BOS/COE/2024/09/ and 13.03.2024

SPECIAL INVITEES

Mr. R. M. Kishore, Vice Chairman, R.M.K. Group of Institutions

Dr. M. S. Palanichamy, Advisor, R.M.K. Group of Institutions

Dr. K. A. Mohamed Junaid, Principal, R.M.K. Engineering College

Dr. S. Pavai Madheswari, Academic Coordinator, R.M.K. Engineering College

BoS MEMBERS

Position in Board of Studies	Details of the Member	Signature of the Member
Board of Studies Chairman	**Dr. T. Sethukarasi** Professor and Head, Department of Computer Science and Engineering, R.M.K. Engineering College.	

Position in Board of Studies	Details of the Member	Signature of the Member
Expert Nominated from Anna University	**Dr. M. Vijayalakshmi** Professor Department of Information Science and Technology CEG Campus Anna University, Chennai – 600025	
Subject Expert from Outside the Parent University	**Dr. B. Surendiran** Associate Professor, Department of CSE, National Institute of Technology, Pudhucherry.	
	Dr. S. Geetha Professor and Associate Dean School of Computing Science and Engineering, VIT University, Chennai Campus, Chennai – 600127	
Industry Representative	**Mr. Rajkumar Sivasubramanian** Associate Director, Learning and Campus, Virtusa Consulting Services Private Limited, Chennai – 600089 **Mr. Vasanth Rajagopalan** Director, Artificial Intelligence and Analytics, Cognizant **Mr. A. Janagaraj** Global Head – Cybersecurity Practice Unit, LTIMindtree **Mr. Saravanan Velmurugan** Senior Director, Custom and Cloud Applications, NTT DATA Services **Mr. M. Srinivasan** Associate Vice President Customer Success, LTIMindtree	
Postgraduate Meritorious Alumnus	Mr. Vignesh Balaji S (Batch 2015-2019) Associate Technical Consultant, Salesforce, Bengaluru	
Expert from Outside the College	Dr. V. Masilamani Professor and Dean-Student Affairs, Department of CSE, IIITDM, Kancheepuram	

Dr. M. Sheerin Banu, Prof. & Head, IT **Dr. Sandra Johnson**, Prof. & Head, ADS **Dr. K. Chidambara Thanu**, Prof. & Head, CSBS **Dr. S. Thanga Ramya**, Prof. & Head, CSD Faculty Members of CSE and Allied Branches	

At the outset, The Principal welcomed the new BoS members to our institution and briefed about regulation 2022 and the new initiatives taken in R.M.K. Engineering College for the benefit of the students. The Chairman welcomed all the members to the 9th meeting of the Board of Studies (BoS) of CSE and Allied Branches. All the members were present for the meeting. The Chairman, Board of Studies of CSE and Allied Branches introduced all the members present and gave an introduction about the Institution and Department. The Chairman briefed the agenda to be discussed.

The minutes of the meeting are as follows:

Item No. RMKEC/BoS/CSE/2023-24/09/01	To ratify and approve the Curriculum and Syllabus of R2022 Domain Electives and Honors Degree Courses in B.E. (CSE) for the students admitted from the year 2022-23 onwards.
B.E. CSE	
HONOURS DEGREE	
Discussion	**Resolution**
Suggested to ✓ *Ratify the following Lab Integrated elective courses including Honor subjects to Theory courses.* **Domain: Cyber Security** 22CS902 Social Network Security 22CS903 Blockchain Technology 22CS904 Web Security 22CS905 Digital and Mobile Forensics 22CS906 Vulnerability Analysis and Penetration Testing 22CS923 Engineering Secure Software Systems 22CS924 Network Design and Programming 22CS925 Fault Tolerant Computing 22CS926 Advanced Network Security **Domain: Cloud Computing** 22CS909 Virtualization 22CS911 Data Engineering in Cloud 22CS912 Cloud Security Foundations	✓ The practical components of the subjects offered in elective will be done as Case Studies ✓ The practical components of the subjects offered in Honors will be incorporated and evaluated in Capstone Project.

22CS927 Software Defined Networks 22CS928 Storage Technologies 22AI922 Machine Learning for NLP in Cloud 22CS930 Cloud Services Management **Domain: Full Stack Technology** 20CS916 C# and .Net Programming 20CS917 Microservice Architecture 20CS918 Web Application Security 22CS933 Software Testing and Automation 22CS934 Principles of Programming Languages	
Suggested to ✓ Include recent year text books.	✓ Recent year text books were included.
Suggested to ✓ Include simulator/tools/case studies for 22CS903 - Blockchain Technology and 22CS927 - Software Defined Networks.	✓ Case studies and tools were included.
Suggested to ✓ Include two text books and other books can be included as reference books.	✓ Text books and reference books were added as per suggestions.
Suggested to ✓ Include 6 COs.	✓ 6 COs included for all the subjects.
Item No. RMKEC/BoS/CSE/2023-24/09/01	**To ratify and approve the Curriculum and Syllabus of R2022 Domain Electives and Honors Degree Courses in B.E. (CSD) for the students admitted from the year 2022-23 onwards.**
B.E. CSD	
HONOURS DEGREE	
Discussion	**Resolution**
Suggested to ✓ *Ratify the following Lab Integrated elective courses including Honor subjects to Theory courses.* **Domain: CREATIVE MEDIA DESIGN** 22CD901 Digital Audio and Video Design 22CD902 3D Modelling and Design 22CD903 Multimedia Security 22CD904 Interactive Visual Data Analysis for Designer 22CD905 Design Process and Perspectives 22CD906 Streaming Media tools and Technologies 22CD907 Film making 22CD908 Robotics Process Automation	✓ The practical components of the subjects offered in elective will be done as Case Studies ✓ The practical components of the subjects offered in Honors will be incorporated and evaluated in Capstone Project.

Domain: MEDIA PROCESSING 22CD910 Image and Video Analytics 22CD911 Multimedia data storage 22CD912 Creating and Editing Videos 22CD913 Digital Audio & Video Production Workflow 22CD914 Usability Engineering 22CD915 Wearable Devices and Applications 22CD916 Visual Effects 22CD917 Multimedia and Animation **Domain: VIRTUAL AND AUGMENTED REALITY** 22AI922 GPU Computing 22CD920 Digital Marketing 22CD921 Internet of Things 22CD922 Metaverse 22CD923 3D Printing and Design 22CD924 Computer Vision 22CD925 Quantum Computing	
Suggested to – ✓ Change the name of the Honours Degree "Artificial Intelligence and Data Science" in R2022 as "Artificial Intelligence".	✓ The Honours Degree "Artificial Intelligence and Data Science" in R2022 is renamed as "Artificial Intelligence".
Item No. **RMKEC/BoS/CSE/2023-24/09/02**	**To change the course "20AI401 Artificial Intelligence" from Professional Electives I/II/III to Professional Electives IV/V/VI of R2020 in B.E. (CSD) for the students admitted during 2021-22.**

B.E. CSD

PROFESSIONAL ELECTIVES

Discussion	Resolution
Suggested to – ✓ Change the course "20AI401 Artificial Intelligence" from Professional Electives I/II/III to Professional Electives IV/V/VI of R2020.	✓ The course "20AI401 - Artificial Intelligence" from Professional Electives I/II/III is moved to Professional Electives IV/V/VI of R2020.
✓ Change the name of the Honours Degree "Artificial Intelligence and Data Science" in R2020 as "Artificial Intelligence".	✓ The Honours Degree "Artificial Intelligence and Data Science" in R2020 is renamed as "Artificial Intelligence".
✓ Include the course "20IT940-Web Development Framework" in the Professional Electives IV/V/VI of R2020.	✓ The course "20IT940-Web Development Framework" has been included in the Professional Electives IV/V/VI of R2020.

Item No. RMKEC/BoS/CSE/2023-24/09/03	To ratify and approve the 6th semester course '20AI613 Internship' to '20AI614 Internship and Career Readiness Course' of R2020 in B.TECH. (ADS) for the students admitted during 2021-22.
R2020 B.Tech. ADS	
Semester VI	
Discussion	**Resolution**
Suggested to - ✓ Ratify the 1 credit Course 20AI613 Internship' is to '20AI614 Internship and Career Readiness Course' with 1 credit.	✓ The '20AI614 Internship and Career Readiness Course' is offered in the 6th semester as a self-learning course with 1 credit.
Suggested to - ✓ Include text books instead of youtube links as reference in the '20AI614 Internship and Career Readiness Course'.	✓ Included textbooks as reference for all topics in the course '20AI614 Internship and Career Readiness Course'.
Item No. RMKEC/BoS/CSE/2023-24/09/04	To ratify and approve the Minor Degree in "Artificial Intelligence" from "Artificial Intelligence and Data Science" offered to other departments for the students admitted during 2021-22 and 2022-23.
R2022 B.Tech. ADS	
Minor Degree	
Discussion	**Resolution**
✓ The Minor degree offered to other departments is modified from "Artificial Intelligence and Data Science" to Minor Degree in "Artificial Intelligence".	✓ Approved the Minor Degree in Artificial Intelligence offered to other departments.
Item No. ✓ RMKEC/BoS/CSE/2023-24/09/05	To ratify and approve the curriculum and syllabi of R2020 of the Minor Degree in "Artificial Intelligence" offered to other departments for the students admitted during 2021-22.
R2022 B.Tech. ADS	
Minor Degree	
Discussion	**Resolution**

Suggested to
✓ *Ratify the following Lab Integrated courses offered in the Minor Degree in "Artificial Intelligence" to Theory courses.*
   • Data Science using Python
   • Data Exploration and Visualization
   • Foundations of Deep Learning
   • Natural Language Processing
	✓ The practical components of the subjects offered in Minor will be incorporated and evaluated in Capstone Project.

Discussion	Resolution
✓ NPTEL courses are included as reference for the Minor degree courses.	✓ Approved the NPTEL courses included as reference in the Minor degree courses.
Suggested to - ✓ Change the subject name of Machine Learning and Deep Learning Techniques	✓ Subject name changed to Machine Learning Algorithms and Foundations of Deep Learning.

R2022 B.Tech. CSBS	
Discussion	**Resolution**
Item No. RMKEC/BoS/IT/2023-24/09/01	To ratify and approve the Curriculum of R2022 Domain Electives and Honors Degree Courses for B.Tech. (CSBS) for the students admitted from the year 2022-23 onwards.
General Suggestions:	
• HoD-CSBS presented the curriculum of R2022 Domain Electives and Honors Degree Courses for B.Tech. (CSBS)	Approved with no modifications

R2022 B.Tech. Information Technology	
Discussion	**Resolution**
Item No. RMKEC/BoS/IT/2023-24/09/01	To consider and approve the Curriculum and Syllabus of R2022 Honors Degree Courses for B.Tech. (IT) for the students admitted from the year 2022-23 onwards.
General Suggestions:	
• HoD-IT presented the curriculum and syllabus of R2022 Honors Degree Courses for B.Tech. (Information Technology)	22IT905 – Server-side Engineering – Unit II and III heading to be rephrased. In textbooks, website links to be removed. 22IT906 – Front End Engineering- Unit II, III and IV heading to be rephrased.

After the discussions and corrections, it was unanimously decided to:

i. Approve the Curriculum and Syllabus of R2022 Domain Electives and Honors Degree Courses in B.E. (CSE) for the students admitted from the year 2022-23 onwards.

ii. Approve the Curriculum and Syllabus of R2022 Professional Elective Vertical- Creative Media Design in B.E.(CSD) for the students admitted from the year 2022-23 onwards.

iii. Approve the Honours Degree as "Artificial Intelligence" from "Artificial Intelligence and Data Science" of R2022 in B.E.(CSD) for the students admitted from the year 2022-23 onwards.

iv. Approve the change of the course "20AI401 Artificial Intelligence" from Professional Electives I/II/III to Professional Electives IV/V/VI of R2020 in B.E. (CSD) for the students admitted during 2021-22.

v. Approve the Honours Degree as "Artificial Intelligence" from "Artificial Intelligence and Data Science" of R2020 in B.E.(CSD) for the students admitted from the year 2021-22 onwards.

vi. Approve the inclusion of the course "20IT940-Web Development Framework" in the Professional Electives IV/V/VI of R2020 in B.E.(CSD) for the students admitted from the year 2021-22 onwards.

vii. Approve the 6th semester course '20AI613 Internship' to '20AI613 Internship and Career Readiness Course' of R2020 in B.TECH. (ADS) for the students admitted during 2021-22.

viii. Approve the Minor Degree as "Artificial Intelligence" from "Artificial Intelligence and Data Science" offered to other departments for the students admitted during 2021-22 and 2022-23.

ix. Approve the Curriculum and Syllabi of the Minor Degree "Artificial Intelligence" offered by AI&DS to other departments for the students admitted during 2021-22.

x. Approve the Curriculum of R2022 Domain Electives and Honors Degree Courses for B.Tech. (CSBS) for the students admitted from the year 2022-23 onwards.

xi. Approve the Syllabus of R2022 Domain Electives and Honors Degree Courses for B.Tech. (IT) for the students admitted from the year 2022-23 onwards.

xii. The following working professional courses are approved by AICTE.

- B.E. CSE (60 intake)
- M.E. CSE (15 intake)

The approved R2022 curriculum and syllabi will be followed for B.E. CSE.

The Chairman of Board of Studies thanked all the members for their valuable suggestions and coordination.

BoS Chairman
<Signature with Seal>

Dr. T. Sethukarasi, M.E.,M.S.,Ph.D
Professor & Head
Department of Computer Science & Engineering
R.M.K. Engineering College
R.S.M. Nagar, Kavaraipettai - 601 206

Principal
<Signature with Seal>

Dr. K.A. MOHAMED JUNAID, M.E.,Ph.D.,
PRINCIPAL
R.M.K. ENGINEERING COLLEGE
R.S.M. NAGAR, KAVARAIPETTAI-601 206
GUMMIDIPOONDI TALUK, TIRUVALLUR DIST.

Encl:
1) Curriculum and Syllabus of Domain Electives and Honors Degree Courses of B.E. (CSE).
2) Syllabus of R2022 Professional Elective Vertical - Creative Media Design in B.E. (CSD).
3) Curriculum and Syllabi of the Minor Degree "Artificial Intelligence" offered by B.Tech. (ADS) to other departments.
4) Curriculum of R2022 Domain Electives and Honors Degree Courses for B.Tech. (CSBS)
5) Syllabus of R2022 Domain Electives and Honors Degree Courses for B.Tech. (IT)

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2. Department BoS File