



R.M.K. ENGINEERING COLLEGE

(An Autonomous Institution)

R.S.M Nagar, Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu- 601206
Affiliated to Anna University, Chennai / Approved by AICTE, New Delhi/ Accredited by NAAC with A+ Grade
An ISO 9001:2015 Certified Institution / All the Eligible UG Programs are Accredited by NBA, New Delhi









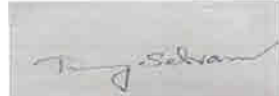



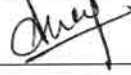





Department of Information Technology

Ref. No. RMKEC/BoS/MoM/IT/2020-2021/02

Date: 06.08.2021

MINUTES OF BOARD OF STUDIES MEETING

Name of the Board	Information Technology	
Programmes Offered	B.Tech Information Technology B.Tech Computer Science and Business Systems	
Date, Time and Venue	06.08.2021 (Friday), 3:00 PM and Online Mode	
Meeting No.	02	
Notification No. and Date	RMKEC/BOS/COE/2021/02/ and 03.08.2021	
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. M. Sheerin Banu Professor and Head Department of Information Technology R.M.K. Engineering College	
Subject Expert from Outside the Parent University	Dr. R. Dhanalakshmi Associate Professor and Head of the Department Department of Computer Science and Engineering, Indian Institute of Information Technology, Trichy (IIIT, Trichy)	
	Dr. S. Geetha Professor and Associate Dean School of Computing Science and Engineering, VIT University Chennai Campus, Chennai	

Position in Board of Studies	Details of the Member	Signature of the Member
Expert Nominated from Anna University	Dr. S. Padmavathi Professor Department of Information Technology Thiagarajar College of Engineering, Madurai	
Industry Representative	Mr. Rajkumar Sivasubramanian Associate Director Virtusa Consulting Services Private Limited, Chennai	
Postgraduate Meritorious Alumnus	Ms. K. Sathiarekha Senior Software Engineer Wipro Limited, Chennai	
Expert from Outside the College	Mr. S. Thamaraiselvam Faculty Zoho School of Technology Zoho Corporation Pvt. Ltd., Chennai	
Entire Faculty of Information Technology	Dr. S. Radhika, Professor / IT	
	Ms. R. Rajitha Jasmine, Associate Professor / IT	
	Ms. S. A. Angayarkanni, Assistant Professor / IT	
	Ms. L. Ancy Geoferla, Assistant Professor / IT	
	Mr. K. Chitti Babu, Assistant Professor / IT	
	Mr. L. Vinoth Kumar, Assistant Professor / IT	
	Mr. N. Shanmugam, Assistant Professor / IT	
	Ms. M. L. Aishwarya, Assistant Professor / IT	
Entire Faculty of Computer Science and Business Systems	Dr. K. Chidambarathanu, Associate Professor & HoD In-Charge / CSBS	
	Ms. S. Jhansi Ida, Assistant Professor / CSBS	
	Mr. J. Umamageswaran, Assistant Professor / CSBS	

Dr. M. Sheerin Banu, Chairman, Board of Studies of Information Technology welcomed all the members to the 2nd meeting of the Board of Studies (BoS) of Information Technology. The Chairman, Board of Studies introduced all the members and gave an introduction about the Institution and achievements of the Department. After the brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

The minutes of Second BoS meeting are as follows:

Item No. RMKEC/BoS/IT/2020-21/02/01	To consider and ratify I to VIII Semester B.Tech Information Technology Curriculum 2020 (for the students admitted from the academic year 2020 – 2021 onwards)
General Suggestions:	
Discussion	Resolution
Dr. S. Padmavathi suggested the following	
<ul style="list-style-type: none"> Suggested to reduce the total number of credits of the B.Tech. Information Technology programme to minimum of 160 credits as per the AICTE norms and to introduce non-credit courses 	<ul style="list-style-type: none"> The number of credits for B.Tech Information Technology is in line with 2017 Regulation Anna University Curriculum. The suggestion will be incorporated in future
Dr. R. Dhanalakshmi suggested the following	
Discussion	Resolution
<ul style="list-style-type: none"> Suggested to reduce the total number of credits of the B.Tech. Information Technology programme to minimum of 160 credits as per the AICTE norms 	<ul style="list-style-type: none"> The number of credits for B.Tech Information Technology is in line with 2017 Regulation Anna University Curriculum. The suggestion will be incorporated in future
Dr. S. Geetha suggested the following	
Discussion	Resolution
<ul style="list-style-type: none"> Suggested to reduce the total number of credits in Professional Core and increase the total number of credits in Professional Electives of the B.Tech. Information Technology Programme 	<ul style="list-style-type: none"> The total credits for Professional Electives are in line with AICTE Model Curriculum and 2017 Regulation Anna University Curriculum. The suggestion will be incorporated in future

<ul style="list-style-type: none"> List of Open Electives courses offered to the other departments with no prerequisite subject need to be offered Deep Learning can be moved from Professional Elective II to Professional Elective III 	<ul style="list-style-type: none"> Resolved to approve the list of Open Elective Courses offered to the other departments after the modifications as per the suggestion Resolved to approve the list of Professional Electives after the necessary changes
<p>The Board Chairman mentioned the following amendments in the Curriculum:</p> <ul style="list-style-type: none"> Semester I: As we have conducted a 3 weeks Induction Program before the commencement of I Semester, it is included as a mandatory non-credit course under I Semester. Semester II: Environmental Science and Engineering Course comes under HS Category with 3 credits Semester III: Object Oriented Programming using Java is renamed as Object Oriented Programming Principles, Object Oriented Programming using Java Laboratory is renamed as Object Oriented Programming Principles Laboratory, Aptitude and Reasoning Skills – I is renamed as Aptitude and Coding Skills – I with one credit and inclusion of Mini Project – I with one credit Semester IV: Software Engineering Theory Course is restructured as Software Engineering Lab Integrated Course with 4 credits, Web Technology – I is renamed as Web Technology Foundation, Aptitude and Reasoning Skills – II is renamed as Aptitude and Coding Skills – II with one credit, inclusion of Internship with one credit and inclusion of Universal Human Values 2: Understanding Harmony with 3 credits Semester V: Web Development Frameworks Theory Course is restructured as Web Development Frameworks Lab Integrated Course with 4 credits, Object Oriented Analysis and Design theory course is renamed as Object Oriented System Design, Object Oriented Analysis and Design Laboratory course is renamed as Object Oriented System Design laboratory, Microcontrollers and Interfacing theory course is renamed as Microprocessors and Interfacing, and Advanced Aptitude and Reasoning Skills – I is renamed as Advanced Aptitude and Coding Skills – I with one credit Semester VI: Advanced Aptitude and Reasoning Skills – II is renamed as Advanced Aptitude and Coding Skills – II with one credit Semester VII: Web Technology – II is renamed as Microservice Architecture Semester VIII: Internship is removed and Project Work Phase – II credit is 10 Professional Electives: The following Courses are included under Professional Electives - I: <ul style="list-style-type: none"> Linear Algebra and Calculus Google Cloud: Architecting with Google Compute Engine Introduction to Application Development The following Courses are included under Professional Electives - II: <ul style="list-style-type: none"> Advanced Java - JEE Wireless Adhoc and Sensor Networks Advanced Databases 	

The following Courses are included under Professional Electives - III:

- Deep Learning Techniques
- Principles of Compiler Design

The following Courses are included under Professional Electives - IV:

- Blockchain Technologies
- Cryptography and Network Security

The following Course is included under Professional Electives - V:

- Introduction to Innovation, IP Management and Entrepreneurship

• Open Electives (Offered to other Disciplines) are included:

- Database Management Systems
- Operating Systems
- Cloud Computing
- Artificial Intelligence and Machine Learning
- Big Data Analytics
- Cyber Security
- Java Programming
- C# and .Net
- Web Design and Development
- Introduction to Application Development

The BoS approved the Item No. RMKEC/BoS/IT/2020-21/02/01

(Updated I to VIII Semester B.Tech Information Technology Curriculum 2020 is enclosed in Annexure – I)

(Updated I and II Semester B.Tech Information Technology Curriculum and Syllabi is enclosed in Annexure – II)

<p>Item No. RMKEC/BoS/IT/2020-21/02/02</p>	<p>To consider and approve III and IV Semester B.Tech Information Technology Curriculum and Syllabi (for the students admitted from the academic year 2020 – 2021 onwards)</p>
<p>Discussion</p>	<p>Resolution</p>
<p>Dr. S. Padmavathi suggested the following</p>	
<ul style="list-style-type: none"> • Suggested to have minimum 5 Course Outcomes for the Laboratory courses • Suggested to refine the outcomes of all the courses 	<p>Resolved to approve all the laboratory courses after incorporating the following changes:</p> <ul style="list-style-type: none"> • Minimum 5 Course Outcomes are defined for all the Courses • All the Course Outcomes are refined

Dr. S. Geetha suggested the following	
<ul style="list-style-type: none"> Suggested to include the Remote Method Invocation (RMI) concept in 20IT301- Object Oriented Programming Principles and 20IT311 Object Oriented Programming Principles Laboratory courses Suggested to map each of the exercise in 20IT311 - Object Oriented Programming Principles Laboratory to the theory concept Suggested to update the Text Books with recent edition in Web Technology Foundation course. Suggested to refine the Unit IV and Unit V module title in 20IT403 - Database Management Systems 	<ul style="list-style-type: none"> RMI concept will be included in Computer Networks syllabus Resolved to approve the syllabus of 20IT311 - Object Oriented Programming Principles Laboratory after the inclusion of theory concept mapping for each exercise Resolved to approve the syllabus of 20IT402 Web Technology Foundation after the inclusion of Text Books with recent edition Resolved to approve the syllabus of 20IT403 - Database Management Systems after the modification in Unit IV and Unit V title
Dr. R. Dhanalakshmi suggested the following	
<ul style="list-style-type: none"> Suggested to include projects in all domains. Students can implement one of the projects of their choice 	<ul style="list-style-type: none"> All the Courses in the Curriculum will have Project Based Learning
Mr. S. Thamaraiselvam suggested the following	
<ul style="list-style-type: none"> Suggested to refine the Unit IV and Unit V module title in 20IT403 - Database Management Systems Course 	<ul style="list-style-type: none"> Resolved to approve the syllabus of 20IT403 - Database Management Systems after the modification in Unit IV and Unit V title
<p align="center">The BoS approved the Item No. RMKEC/BoS/IT/2020-21/02/02 (III and IV Semester B.Tech Information Technology Curriculum and Syllabi is enclosed in Annexure – III)</p>	

Item No. RMKEC/BoS/IT/2020-21/02/03	To consider and ratify I and II Semester B.Tech Computer Science and Business Systems Curriculum 2020 (for the students admitted from the academic year 2020 – 2021 onwards)
Discussion	Resolution
<p>The Board Chairman mentioned the following amendments:</p> <ul style="list-style-type: none"> • Inclusion of 3 weeks Induction Program, a mandatory non-credit course in I Semester (conducted before the commencement of I semester) • Inclusion of 20CH102 - Environmental Science and Engineering, a mandatory non-credit course in II Semester 	<ul style="list-style-type: none"> • Approved with no modifications
<p>The BoS approved the Item No. RMKEC/BoS/IT/2020-21/02/03 (Updated I and II Semester B.Tech Computer Science and Business Systems Curriculum and Syllabi is enclosed in Annexure – IV)</p>	

Item No. RMKEC/BoS/IT/2020-21/02/04	To consider and approve III and IV Semester B.Tech Computer Science and Business Systems Curriculum and Syllabi (for the students admitted from the academic year 2020 – 2021 onwards)
Discussion	Resolution
<ul style="list-style-type: none"> • The Board Chairman presented Curriculum and Syllabus for all the Courses in III and IV Semester of B.Tech Computer Science and Business Systems to the BoS Members 	<ul style="list-style-type: none"> • Approved with no modifications
<p>The BoS approved the Item No. RMKEC/BoS/IT/2020-21/02/04 (III and IV Semester B.Tech Computer Science and Business Systems Curriculum and Syllabi is enclosed in Annexure – V)</p>	

Item No. RMKEC/BoS/IT/2020-21/02/05	To consider and approve the examiners appointed for End Semester Examinations during the academic year 2020-2021.
Discussion	Resolution
<ul style="list-style-type: none"> The Board Chairman presented the panel of examiners appointed for End Semester Examinations during the academic year 2020-2021 to the BoS Members 	<ul style="list-style-type: none"> Approved with no modifications
The BoS approved the Item No. RMKEC/BoS/IT/2020-21/02/05 (Panel of Examiners is enclosed in Annexure – VI)	

Item No. RMKEC/BoS/IT/2020-21/02/06	To consider and approve the suggested panel of examiners for End Semester Examinations to be conducted during the academic year 2021-2022.
Discussion	Resolution
<ul style="list-style-type: none"> The Board Chairman presented the panel of examiners for End Semester Examinations to be conducted during the academic year 2021-2022 to the BoS Members 	<ul style="list-style-type: none"> Approved with no modifications
The BoS approved the Item No. RMKEC/BoS/IT/2020-21/02/06	

After the discussions and corrections, it was unanimously decided to approve the amendment in I to VIII Semester B.Tech Information Technology Curriculum 2020 (for the students admitted from the academic year 2020-2021 onwards), approve III and IV Semester B.Tech Information Technology Curriculum and Syllabi (for the students admitted from the academic year 2020-2021 onwards), approve the amendment in I and II Semester B.Tech Computer Science and Business Systems Curriculum 2020 (for the students admitted from the academic year 2020-2021 onwards), approve III and IV Semester B.Tech Computer Science and Business Systems Curriculum and Syllabi (for the students admitted from the academic year 2020-2021 onwards), approve the panel of examiners appointed for End Semester Examinations during the academic year 2020-2021 and approve the suggested panel of examiners for End Semester Examinations to be conducted during the academic year 2021-2022.

The Chairman, Board of Studies presented innovative methodologies in Teaching and Learning as well Research and Extension activities by the faculty. The BoS Members appreciated the effort taken by the faculty members.

The copy of Curriculum and Syllabi is attached for your reference.

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


6.8.2021
BoS Chairman
DR. M. SHEERIN BANU, M.Tech., Ph.D
PROFESSOR & HEAD
DEPARTMENT OF INFORMATION TECHNOLOGY
R.M.K. ENGINEERING COLLEGE
R.S.M. NAGAR, KAVARAIPTTAI - 601 206.


06/08/21
Principal

Original to COE

Copy to:

1. All BoS Members (Soft Copy)
2. Department BoS File

Encl:

1. Annexure – I: Updated I to VIII Semester B.Tech Information Technology Curriculum 2020
2. Annexure – II: Updated I and II Semester B.Tech Information Technology Curriculum and Syllabi
3. Annexure – III: III and IV Semester B.Tech Information Technology Curriculum and Syllabi
4. Annexure – IV: Updated I and II Semester B.Tech Computer Science and Business Systems Curriculum and Syllabi
5. Annexure – V: III and IV Semester B.Tech Computer Science and Business Systems Curriculum and Syllabi
6. Annexure – VI: Panel of Examiners