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

Ref. No. RMKEC/ACM/MoM/2024-25/01

Date: 30-08-2024
Time: 11.00 A.M.

MINUTES OF 9th ACADEMIC COUNCIL MEETING

Category	Name of the Members	Signature
Principal	**Dr. Mohamed Junaid K A** Principal	30/08/24
University Nominee (Nominated by Anna University)	**1. Dr. Dhananjay Kumar** Professor, Department of Information Technology MIT Campus, Anna University.	30.08.24.
	2. Dr. S. Amal Raj Professor, Department of Civil Engineering CEG Campus, Anna University.	30/8/24
	3. Dr. J. Jayakumar Professor, Department of Mathematics Puducherry Technological University.	30/8/2024
Outside College Representative (Nominated by Governing Council)	1. **Mr. Vasanth Rajagopalan** Director, Cognizant	
	2. Dr. Ashwin Sadasiva Kumar Shyam Sunder Senior Vice President Learning and Campus Virtusa Consulting Services Private Ltd.	
	3. Dr. N. Anbuchezhian Principal R.M.D. Engineering College	30/8/2024
	4. Dr. N. Suresh Kumar Principal R.M.K. College of Engineering & Technology	30/8/24

HoDs	**1. Dr. Pavai Madheswari S** Professor & Head / S&H	
	2. Dr. Binu Sukumar Professor & Head / CE	
	3. Dr. Sethukarasi T Professor & Head / CSE	
	4. Dr. Geetha Ramadas Professor & Head / EEE	
	5. Dr. Suresh T Professor & Head / ECE	
	6. Dr. Senthil Kumar K R Professor & Head / ME	
	7. Dr. Sheerin Banu M Professor & Head / IT	
	8. Dr. Sandra Johnson Professor & Head /AI&DS	
	9. Dr. K. Chidambara Thanu Professor & Head /CS&BS	
	10. Dr. S. Thanga Ramya Professor & Head /CSD	
Controller of Examinations	**Dr. V. Srinivasan** Professor & Controller of Examinations	
College Representatives (Four Teachers representing different categories)	**1. Dr.M.S.Palanichamy** Former Vice-Chairman, Tamilnadu State Council for Technical Education & Advisor (Academics)	
	2. Dr Elwin Chandra Monie Dean (Research)	
	3. Dr. K.K. Sivagnana Prabhu Dean - CDC	
	4. Dr. K. Manivannan Dean - EA	
Faculty Member nominated by Principal (Member Secretary)	**Dr. S.Vijayalakshmi** Prof /ECE	

- 9th meeting of the Academic Council of R.M.K. Engineering College started with the Welcome Address by Dr. Mohamed Junaid K A, Principal at 11:00 AM in the RJ Block Board Room.

<table>
<tr><td colspan="2">Item No. RMKEC/ACM/2024-25/09/01</td><td>To approve the Minutes of Previous Meeting held on 19.06.2023</td></tr>
<tr><td colspan="3">The minutes of Previous meeting held on 19.06.2023 is confirmed by all the academic council members.</td></tr>
<tr><td colspan="2">Item No. RMKEC/ACM/2024-25/09/02</td><td>To peruse the Action taken Report on Minutes of previous meeting held on 19.06.2024</td></tr>
<tr><td>Agenda No</td><td>Agenda</td><td>Action taken</td></tr>
<tr><td>Item No. RMKEC/ACM/2023-24/08/03</td><td>To consider and approve the nomenclature for new courses introduced as per the special approval by AICTE over and above approved intake for the academic year 2023-24.
(a) New UG program – B.E Electronics Engineering (VLSI Design and Technology)
(b) New UG program – B.E Electronics and Communication (Advanced Communication Technology)</td><td>Academic council members approved the new courses introduced as per the special approval by AICTE over and above approved intake for the academic year 2023-24.</td></tr>
<tr><td>Item No. RMKEC/ACM/2023-24/08/04</td><td>To consider and approve the following as recommended by respective BoS for the two new UG programmes
• Modified Curriculum 2023 and I and II semester syllabi (for students admitted from the academic year 2023-24 onwards)</td><td>Modified Curriculum 2023 and I and II semester syllabi (for students admitted from the academic year 2023-24 onwards) for the new courses is approved by Academic council members</td></tr>
</table>

The minutes of Ninth Academic council meeting are as follows:

Item No. RMKEC/ACM/2024-25/09/03	**To approve the new list of Board of Studies members from 2023-24 to 2025-26 for the following boards** **1. Faculty of Civil Engineering** **2. Faculty of Computer Science and Engineering and Information Technology (CSE, IT, ADS, CSBS, CSD)** **3. Faculty of Electrical Engineering** **4. Faculty of Electronics and Communication Engineering (ECE, EC-ACT, EE-VLSI Design and Technology)** **5. Faculty of Mechanical Engineering** **6. Faculty of Science and Humanities**

- The new list of Board of Studies members enclosed in **Annexure I** from 2023-24 to 2025-26 for the following boards were **presented and approved.**
- ✓ Faculty of Civil Engineering
- ✓ Faculty of Computer Science and Engineering and Information Technology (CSE, IT, ADS, CSBS, CSD)
- ✓ Faculty of Electrical Engineering
- ✓ Faculty of Electronics and Communication Engineering (ECE, EC-ACT, EE-VLSI Design and Technology)
- ✓ Faculty of Mechanical Engineering
- ✓ Faculty of Science and Humanities

Item No. RMKEC/ACM/2024-25/09/04	• **To consider and ratify the UG Regulations 2020 (for the students admitted from the academic year 2021-22 onwards) and 2022 (for the students admitted from the academic year 2022-23 onwards)**

The following amendments in Regulation 2020 are approved and the details are given below

Existing	Amendments
6.3 B.E./B.Tech. Honours (specialisation in the same discipline), B.E./B.Tech. Honours and B.E./B.Tech. Minor in other specialisation. **i. B.E./B.Tech. Honours (specialisation in the same discipline):** a. The student should have earned additionally a minimum of 18 credits	**4.10 B.E./B.Tech. Honours (specialisation in the same discipline), B.E./B.Tech. Honours and B.E./B.Tech. Minor in other specialisation.** **i. B.E / B.Tech. (Hons.)** a. The students should have taken additional courses from a specified

from a vertical of the same programme. b. Should have passed all the courses in the first attempt. c. Should have earned a minimum CGPA of 7.50 up to II Semester. **ii. B.E / B.Tech. Honours:** a. The students should have earned additional courses (minimum of 18 credits) from more than one vertical of the same programme. b. Should have passed all the courses in the first attempt. c. Should have earned a minimum CGPA of 7.50 up to II Semester. **iii. B.E./B.Tech.(Minor in other specialisation):** a. The student should have earned additionally a minimum of 18 credits in any one of the verticals of other B.E/B.Tech programmes 1. Should have earned a minimum CGPA of 6.50 upto II Semester with no standing arrears. 2. B.E./ B. Tech. (Hons) Specialisation in the same discipline, B.E / B.Tech. Honors and B.E./B.Tech. minor in other specialisation degree will be optional for students. 3. Students may be permitted to take additional courses from IV Semester onwards. 4. If a Student decides not to opt for Honours, after completing certain number of additional Courses studied shall be considered instead of the Professional Elective Courses which are part of the Curriculum. If the student has studied more number of Professional Elective Courses required as per Curriculum, the Courses with higher grades shall be considered for the calculation of CGPA. Remaining	group of Professional Electives (vertical) or from any of the verticals of the same programme and earned a minimum of 18 credits. b. Should have passed all the courses prescribed in the curriculum and additional courses in the first attempt. c. Should have earned a minimum of 7.50 CGPA taking into account of all the courses prescribed in the curriculum and additional courses. **ii. B.E./B.Tech. Minor with specialisation in another discipline** The student should have earned additionally a minimum of 18 credits in any one of the verticals offered from other Engineering Disciplines / Science and Humanities / Management. 1. For these 18 credits students can optionally enroll and study a maximum of 6 credits in online mode from SWAYAM-NPTEL platform (in addition to the online courses permitted for courses of curriculum), as approved by DCC. 2. B.E / B.Tech. (Hons.) and B.E./B.Tech. minor with specialisation in another discipline will be optional for students and the students shall be permitted to select any one of them only. 3. For the categories 4.12 (i), the students, including Lateral Entry, shall be permitted to register for the courses from Semester IV onwards provided the students have earned a minimum CGPA of 7.50 until Semester

Courses shall be printed in the mark sheet, however, they will not be considered for the calculation of CGPA. If a Student decides not to opt for Minor, after completing certain number of Courses, the additional Courses studied shall be considered instead of the Open Elective Courses which are part of the Curriculum. If the student has studied more number of such Courses than the number of Open Electives required as per Curriculum, the Courses with higher grades shall be considered for the calculation of CGPA. Remaining Courses shall be printed in the mark sheet, however, they will not be considered for the calculation of CGPA.	II for regular student and until III Semester for lateral entry students and have cleared all the courses in the first attempt. 4. For the category 4.12 (ii), the students, including Lateral Entry, will be permitted to register the courses from Semester IV onwards provided the marks earned by the students until Semester II for regular student and until III Semester for lateral entry students is CGPA 7.50 and above. 5. B.E/B.Tech. (Hons.) or B.E./ B.Tech. Minor shall be offered by the Department irrespective of the number of students enrolled. 6. If a student decides not to opt for Honours, after completing certain number of additional courses, such additional courses studied shall be considered instead of the Professional Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of Professional Elective courses required as per the curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall be printed in the grade sheet, however, they will not be considered for calculation of CGPA and the same shall be indicated in a foot note appropriately. If the student has failed in the additional courses or faced shortage of attendance, they will not be printed in the grade sheet and will not be

	considered for CGPA calculation and classification of degree. 7. If a student decides not to opt for Minor, after completing certain number of courses, the additional courses studied shall be considered instead of Open Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of open electives required as per the curriculum, the courses with higher grades shall be considered for calculation of CGPA. Remaining courses shall be printed in the grade sheet, however, they will not be considered for calculation of CGPA and the same shall be indicated in a foot note appropriately. If the student has failed in the additional courses or faced shortage of attendance, they will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree. 8. The student has to enroll for these additional courses separately and pay a tuition fee for studying these six additional courses and pay additional exam fee.
12.1 Theory Courses **Assessment** | **Portions** | **Duration** | **Maximum Marks** | **Maximum CIA Marks** First Internal Assessment Test | 2 Units | 3 Hours | 100 Marks | 20 (Average of all 3 tests is converted to Second Internal | 2 Units | 3 Hours | 100 Marks |	**12.1 Theory Courses** **Assessment** | **Portions** | **Duration** | **Maximum Marks** | **Maximum CIA Marks** | **Weightage** First Internal Assessment Test | 2 Units | 3 Hours | 100 Marks | 20 (Average of Best 2 of all 3 | **60 %**

Assessment Test				20 marks and rounded off to the nearest integer)
Model Examination	5 Units	3 Hours	100 Marks	
Other Assessment	Multiple Choice Questions			5
	Assignments			5
	Mini Project / Others			5
Attendance				5
Total Continuous Internal Assessment Marks				**40**

Second Internal Assessment Test	2 Units	3 Hours	100 Marks	tests is converted to 20 marks and rounded off to the nearest integer)	
Model Examination	5 Units	3 Hours	100 Marks		
Other Assessment	Multiple Choice Questions			5	**40 %**
	Assignments			5	
	Mini Project / Others			5	
Attendance				5	
Total Continuous Internal Assessment Marks					**40**

12.2 Laboratory Courses

S. No.	Assessment	Maximum CIA Marks
1.	Completion of Experiments and Evaluation of Laboratory Record	30
2.	Model Practical Examination	20
3.	Attendance	10
Total Continuous Internal Assessment Marks		**60**

12.2 Laboratory Courses

S. No.	Assessment	Maximum CIA Marks
1.	Completion of Experiments and Evaluation of Laboratory Record	35
2.	Attendance	10
3.	Model Practical Examination	15
Total Continuous Internal Assessment Marks		**60**

12.7 Assessment for Online Courses

- The Head of the Institution shall form a three-member committee with members as HOD and a faculty member from the Department of the student, HOD of any other branch of the Institution.
- The Committee can decide whether to evaluate the online courses through Continuous Internal Assessment and End Semester Examination or through End Semester Examination only and same may be conveyed to the Controller of Examination at the beginning of the semester when the course is offered.
- The Head of the department may identify a faculty member as coordinator for the course, who will be responsible for the evaluation process.

12.7 Assessment for Online Courses

The number of credits and transfer of credits are based on the procedure explained in Table 1. The Head of the Institution shall form a four-member committee with members as HOD and a faculty member from the Department of the student, HOD of any other branch of the Institution and an Industry Expert. The committee shall assign the grades to the students based on their relative performance, if the number students enrolled is more than 30, else grades shall be assigned based on Table 2. The mapping of marks with grades is applicable, only if the student passes the course as per the guidelines of NPTEL.

Table 1: Duration of the course and

- A committee consisting of the Head of the department, course coordinator and a subject expert from other institutions nominated by the Head of the Department shall assign the grades to the students based on their relative performance.

In case of credits earned through online mode from an institute approved by appropriate authorities of the college, the credits may be transferred and grades shall be assigned by a committee consisting of the Head of the Department and Senior faculty member nominated by the Head of the Institution.

Number of credits

Sl. No.	No. of Weeks	No. of Credits
1.	4	1
2.	8	2
3.	12	3
4.	16	4

Table 2: Mapping of Marks scored in NPTEL course and Credits earned

Letter Grade	Marks
O	90-100
A+	80-89
A	70-79
B+	60-69
B	50-59
C	40-49

15 Grade Sheet

After results are declared, Grade Sheets will be issued to each student which will contain the following details:

- The college in which the candidate has studied
- The list of courses enrolled during the semester and the grade scored.
- The Grade Point Average (GPA) for the semester and
- The Cumulative Grade Point Average (CGPA) of all courses enrolled from the first semester onwards.

GPA for a semester is the ratio of the sum of the products of the number of credits for courses acquired and the corresponding points to the sum of the number of credits for the courses acquired in the semester.

CGPA will be calculated similarly, considering all the courses registered from the first semester. RA grades will be excluded for calculating GPA and CGPA.

$$GPA/CGPA = \frac{\sum_{i=1}^{n} Ci \times GPi}{\sum_{i=1}^{n} Ci}$$

15.5 Grade Sheet

After results are declared, Grade Sheets will be issued to each student which will contain the following details:

- The list of courses of curriculum registered during the semester and the grades scored.
- List of courses studied for Hons., minor and any other additional courses in which the student has passed with the grades under the title additional courses
- The Grade Point Average (GPA) for the semester considering only the courses of curriculum (not the additional courses) and
- The Cumulative Grade Point Average (CGPA) of all courses registered from first semester onwards considering only the courses of curriculum (not the additional courses). However, for

Where, • *Ci* is the number of credits assigned to the course • *GPi* is the point corresponding to the grade obtained for each course • *n* is the number of all courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA.	the students who have successfully completed the requirements of B.E. / B. Tech. (Hons) and B.E. / B.Tech. Minor vide Clause 4.12, grades scored in the six additional courses shall be taken into account for the computation of CGPA. • During each semester, the list of curricular courses (not the additional courses) registered and the grades scored in each course are used to compute the Grade Point Average (GPA). GPA is the ratio of the sum of the products of the number of credits of curricular courses (not the additional courses) registered and the grade points corresponding to the grades scored in those courses, taken for all the courses, to the sum of the number of credits of all the courses in the semester. $$GPA/CGPA = \frac{\sum_{i=1}^{n} Ci \times GPi}{\sum_{i=1}^{n} Ci}$$ Where, • *Ci* is the number of credits assigned to the course • *GPi* is the point corresponding to the grade obtained for each course • *n* is the number of all courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA. • CGPA will be calculated in a similar manner, considering all the curricular courses (not the additional courses) enrolled from first semester. "U" and "SA" grades will be excluded for calculating GPA and CGPA.

	• Credits earned under value added courses, shall not be considered for calculating the GPA or CGPA. • If a student studies more number of professional and open electives than required as per the student's programme curriculum (if the student decides not to opt for Hons. and Minor), the calculation of final CGPA shall be as per 4.10.6 and 4.10.7. • If a student successfully completes all the requirements of the programme and also meets the requirements of B.E. / B. Tech. (Hons) or B.E. / B. Tech. Minor but desires not to opt for the additional qualification, then he/she has to submit a declaration with regard to the same within 30 days before the completion of semester VIII. • In the consolidated grade sheet the CGPA earned shall be converted into percentage of marks as follows: Percentage of Marks = CGPA X 10
16.4 Valuation Double valuation is adopted for all the theory courses through online mode to overcome any subjectivity in single valuation in the End Semester Examinations. So the provision for revaluation does not arise. However, if a student wants to appeal for Photocopy and review of the result in any subjects, he / she can submit a review application to the Institution CoE office. A committee consisting of the Head of the Department, concerned course instructor and a subject expert (Internal / External) nominated by the COE will review and give its recommendations. 17.5.1 If the difference of total marks obtained between two valuations is less	**16.4 Valuation** Double valuation is adopted for all the theory courses through online mode to overcome any subjectivity in single valuation in the End Semester Examinations. So the provision for revaluation does not arise. However, if a student wants to appeal for Photocopy and review of the result in any subjects, he / she can submit a review application to the Institution CoE office. A committee consisting of the Head of the Department, concerned course instructor and a subject expert (Internal / External) nominated by the COE will review and give its recommendations. 17.5.1 If the difference of total marks obtained between two valuations is less

than 15 marks, the highest mark among the two valuations will be considered for the award of marks. 17.5.2 If the difference in total marks obtained between two valuations is more than 15 marks, a third valuation is applicable. Out of the three valuations, the highest mark between two nearest marks (the mark obtained in third valuation and the marks obtained nearer to the third valuation out of the first two valuations) shall be considered for the award of marks. However, the difference between these two nearest marks must be less than 15.	than 15 marks, the highest mark among the two valuations will be considered for the award of marks. 17.5.2 If the difference in total marks obtained between two valuations is more than 15 marks, a third valuation is applicable. Out of the three valuations, the highest mark between two nearest marks (the mark obtained in third valuation and the marks obtained nearer to the third valuation out of the first two valuations) shall be considered for the award of marks.
The following amendments in Regulation 2022 are approved and the details are given below	
Not Available	1. XIV "Department Consultative Committee (DCC)" means a four-member committee constituted by the Head of the Institution with members as HoD, a faculty member from the Department of the student, HoD of any other branch of the Institution and an Industry Expert for approving the academic matters of the Department.
4.8 Online Courses Students may be permitted to undergo a maximum of one online course per semester, with the approval of Head of the Institution, in lieu of Professional core / Professional elective /Open elective courses. The Head of the Institution shall form a four-member committee with members as HoD, a faculty member from the Department of the student, HoD of any other branch of the Institution and an Industry Expert to suggest the suitable online courses and ensure that the student has not studied such courses and would not repeat it again as Professional Core/Professional Elective/Open Elective courses. Suitable online courses shall be chosen from the SWAYAM platform,	**4.8 Online Courses** Students are permitted to optionally enroll and study a maximum of one off campus course in each semester starting from III semester till VII semester in physical/online/hybrid mode with the approval of DCC. The successful completion of these courses through any of the following modes shall be considered in lieu of professional core / professional elective / open elective courses of curriculum as approved by DCC. 4.8.1 Students are permitted to optionally enroll and study these courses through SWAYAM / NPTEL platforms and credit transfer is to be done based on the marks and

Infosys Springboard, Coursera, Naan Muthalvan, etc.	certificate provided by the NPTEL. The number of credits and transfer of credits are based on the procedure explained in Table 2. DCC shall assign the grades to the students based on their relative performance, if the number students enrolled is more than 30, else grades shall be assigned based on Table 3. The mapping of marks with grades is applicable, only if the student passes the course as per the guidelines of NPTEL.

Table 1: Duration of the course and Number of credits

Sl. No.	No. of Weeks	No. of Credits
1.	4	1
2.	8	2
3.	12	3
4.	16	4

Table 2: Mapping of Marks scored in NPTEL course and Credits earned

Letter Grade	Marks
O	90-100
A+	80-89
A	70-79
B+	60-69
B	50-59
C	40-49

4.8.2. Students are permitted to optionally enroll and study the courses in physical / hybrid / online modes offered by reputed Central / State funded Universities / Institutions which are in the top 100 positions in the latest NIRF ranking and also conducting examination towards award of marks

	and grades. (NIRF Ranking of any of the last three years with respect to the year in which course is to be registered; NIRF ranking is based on respective stream for professional elective courses and based on any stream for open elective courses). Students are also permitted to enroll and undergo such courses in Online mode at Universities abroad in top 500 in QS ranking in the last three years. Students are also permitted to study courses of a particular semester in a University / Institution abroad based on MoU. A learning agreement shall be evolved to map all the courses offered in the programme and the courses offered in University abroad as per the procedure outlined by the Academic Council. The credits earned by the students in the University abroad shall be transferred based on the decision of DCC and approved by the Head of the Institutions. In the case of 4.8.2, the students can enroll for the courses with the approval of DCC only if the course is offered directly by Institution/University and not through the edutech platforms. 4.8.3 Students are also permitted to enroll and study the courses in physical/hybrid mode (not less than 50% in physical mode) / online mode that are offered by (i) National/State funded research institutions/laboratories and (ii) (a) reputed companies (manufacturing or software) related to the programme, and (b) reputed companies involved in transfer of knowledge provided the

	knowledge transferring company is a spinoff from an Engineering/Technology practicing Industry and sharing the work experience of the respective industry. (c) Knowledge partner industry of the programme. The companies mentioned in 4.8.3 (ii) (a) and the company with which the knowledge transfer company associated in the case of 4.8.3 (ii) (b) should have average annual turnover of more than 200 crores over a period of 5 years. However, the academic content and delivery shall be in consonance with the academic standards and norms. The minimum qualification of the course instructor from the company as mentioned in shall be B.E./B.Tech with 10 years of research / industrial experience. Such courses shall be offered through MOU between Institution and such institutions/organizations/ companies. The design of the courses with regard to the syllabus content, duration of each course and number of credits offered for each course shall be discussed and recommended by DCC and approved by BoS and Academic Council as per the Regulations. For the offer of each course under 4.8.3, a course coordinator shall be nominated from the Department who shall coordinate the examination conducted by the research institution/laboratories/industry/company. The passing requirements and the credits shall be decided based on the decision of DCC and approved by the Head of the Institutions.

6.4 B.E./B.Tech. Honours (specialisation in the same discipline), B.E./B.Tech. Honours and B.E./B.Tech. Minor in other specialisation. **iv. B.E./B.Tech. Honours (specialisation in the same discipline):** a. The student should have earned additionally a minimum of 18 credits from a vertical of the same programme. b. Should have passed all the courses in the first attempt. c. Should have earned a minimum CGPA of 7.50 up to II Semester. **v. B.E / B.Tech. Honours:** a. The students should have earned additional courses (minimum of 18 credits) from more than one vertical of the same programme. b. Should have passed all the courses in the first attempt. c. Should have earned a minimum CGPA of 7.50 up to II Semester. **vi. B.E./B.Tech.(Minor in other specialisation):** a. The student should have earned additionally a minimum of 18 credits in any one of the verticals of other B.E/B.Tech programmes b. Should have earned a minimum CGPA of 6.50 upto II Semester with no standing arrears. 1. B.E./ B. Tech. (Hons) Specialisation in the same discipline, B.E / B.Tech.	**4.12 B.E./B.Tech. Honours (specialisation in the same discipline), B.E./B.Tech. Honours and B.E./B.Tech. Minor in other specialisation.** **i. B.E / B.Tech. (Hons.)** a. The students should have taken additional courses from a specified group of Professional Electives (vertical) or from any of the verticals of the same programme and earned a minimum of 18 credits. b. Should have passed all the courses prescribed in the curriculum and additional courses in the first attempt. c. Should have earned a minimum of 7.50 CGPA taking into account of all the courses prescribed in the curriculum and additional courses. **ii. B.E./B.Tech. Minor with specialisation in another discipline** The student should have earned additionally a minimum of 18 credits in any one of the verticals offered from other Engineering Disciplines / Science and Humanities / Management.

Honors and B.E./B.Tech. minor in other specialisation degree will be optional for students. 2. Students may be permitted to take additional courses from IV Semester onwards. 3. If a Student decides not to opt for Honours, after completing certain number of additional Courses studied shall be considered instead of the Professional Elective Courses which are part of the Curriculum. If the student has studied more number of Professional Elective Courses required as per Curriculum, the Courses with higher grades shall be considered for the calculation of CGPA. Remaining Courses shall be printed in the mark sheet, however, they will not be considered for the calculation of CGPA. **If a Student decides not to opt for Minor, after completing certain number of Courses, the additional Courses studied shall be considered instead of the Open Elective Courses which are part of the Curriculum. If the student has studied more number of such Courses than the number of Open Electives required as per Curriculum, the Courses with higher grades shall be considered for the calculation of CGPA. Remaining Courses shall be printed in the mark sheet, however, they will not be considered for the calculation of CGPA.**	1. For these 18 credits students can optionally enroll and study a maximum of 6 credits in online mode from SWAYAM-NPTEL platform (in addition to the online courses permitted for courses of curriculum), as approved by DCC. 2. B.E / B.Tech. (Hons.) and B.E./B.Tech. minor with specialisation in another discipline will be optional for students and the students shall be permitted to select any one of them only. 3. For the categories 4.12 (i), the students, including Lateral Entry, shall be permitted to register for the courses from Semester IV onwards provided the students have earned a minimum CGPA of 7.50 until Semester II for regular student and until III Semester for lateral entry students and have cleared all the courses in the first attempt. 4. For the category 4.12 (ii), the students, including Lateral Entry, will be permitted to register the courses from Semester IV onwards provided the marks earned by the students until Semester II for regular student and until III Semester for lateral entry students is CGPA 7.50 and above. 5. B.E/B.Tech. (Hons.) or B.E./ B.Tech. Minor shall be offered by the Department irrespective of the number of students enrolled. 6. If a student decides not to opt for Honours, after completing certain number of additional courses, such additional courses studied shall be

	considered instead of the Professional Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of Professional Elective courses required as per the curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall be printed in the grade sheet, however, they will not be considered for calculation of CGPA and the same shall be indicated in a foot note appropriately. If the student has failed in the additional courses or faced shortage of attendance, they will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree. 7. If a student decides not to opt for Minor, after completing certain number of courses, the additional courses studied shall be considered instead of Open Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of open electives required as per the curriculum, the courses with higher grades shall be considered for calculation of CGPA. Remaining courses shall be printed in the grade sheet, however, they will not be considered for calculation of CGPA and the same shall be indicated in a foot note appropriately. If the student has failed in the

	additional courses or faced shortage of attendance, they will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree. 8. The student has to enroll for these additional courses separately and pay a tuition fee for studying these six additional courses and pay additional exam fee.
13 Procedure for Awarding Marks for Continuous Internal Assessment Award of internal marks for theory courses (Average of all 3 tests is converted to 20 marks and rounded off to the nearest integer)	**13 Procedure for Awarding Marks for Continuous Internal Assessment** Award of internal marks for theory courses (Average of best of 2 tests is converted to 20 marks and rounded off to the nearest integer)

13.1 Theory Courses

Assessment	Portions	Duration	Maximum Marks	Maximum CIA Marks
First Internal Assessment Test	2 Units	3 Hours	100 Marks	20 (Average of all 3 tests is converted to 20 marks and rounded off to the nearest integer)
Second Internal Assessment Test	2 Units	3 Hours	100 Marks	
Model Examination	5 Units	3 Hours	100 Marks	
Other Assessment	Multiple Choice Questions			5
	Assignments			5
	Mini Project / Others			5
Attendance				5
Total Continuous Internal Assessment Marks				**40**

13.1 Theory Courses

Assessment	Portions	Duration	Maximum Marks	Maximum CIA Marks	Weightage
First Internal Assessment Test	2 Units	3 Hours	100 Marks	20 (Average of Best 2 of all 3 tests is converted to 20 marks and rounded off to the nearest integer)	**60%**
Second Internal Assessment Test	2 Units	3 Hours	100 Marks		
Model Examination	5 Units	3 Hours	100 Marks		
Other Assessment	Multiple Choice Questions			5	**40%**
	Assignments			5	
	Mini Project / Others			5	
Attendance				5	
Total Continuous Internal Assessment Marks					**40**

13.2 Laboratory Courses

S. No.	Assessment	Maximum CIA Marks
1.	Completion of Experiments and Evaluation of Laboratory Record	30
2.	Model Practical Examination	20
3.	Attendance	10
Total Continuous Internal Assessment Marks		**60**

13.2 Laboratory Courses

S.No.	Assessment	Maximum CIA Marks
1.	Completion of Experiments and Evaluation of Laboratory Record	35
2.	Attendance	10
3.	Model Practical Examination	15
Total Continuous Internal Assessment Marks		**60**

13.3 Theory courses with laboratory component/ Laboratory courses with theory component

Weightage of Continuous Internal Assessment and End Semester Examination marks will be 50% each. The distribution of marks for the theory and laboratory components in the Continuous Internal Assessments and End Semester Examination for different types of courses are provided in the table.

L	T	P	C	Continuous Internal Assessment*	End Semester Examination
1	0	4	3	Laboratory (25%) Theory (25%)	Laboratory only
1	0	2	2	Laboratory (25%) Theory (25%)	Laboratory only (50%)
2	0	2	3	Theory (25%) Laboratory (25%)	Theory (25%) Laboratory (25%)
3	0	2	4	Theory (25%) Laboratory (25%)	Theory (35%) Laboratory (15%)
2	0	4	4	Theory (25%) Laboratory (25%)	Theory (15%) Laboratory (35%)

*The procedure for the conduct of Continuous Internal Assessments for theory and laboratory components shall be as per the clause13.1and13.2 respectively.

The weighted average shall be converted into 50 marks for internal Assessment.

Theory courses with Laboratory component and Laboratory courses with Theory component with

13.3 Theory courses with laboratory component/ Laboratory courses with theory component

Weightage of Continuous Internal Assessment and End Semester Examination marks will be 50% each. The distribution of marks for the theory and laboratory components in the Continuous Internal Assessments and End Semester Examination for different types of courses are provided in the table.

L	T	P	C	Continuous Internal Assessment*	End Semester Examination
1	0	4	3	Laboratory (25%) Theory (25%)	Laboratory only (50%)
1	0	2	2	Laboratory (25%) Theory (25%)	Laboratory only (50%)
2	0	2	3	Theory (25%) Laboratory (25%)	Theory (50%)
3	0	2	4	Theory (25%) Laboratory (25%)	Theory (50%)
2	0	4	4	Theory (25%) Laboratory (25%)	Theory (25%) Laboratory (25%)
3	0	4	5	Theory (25%) Laboratory (25%)	Theory (25%) Laboratory (25%)

*The procedure for the conduct of Continuous Internal Assessments for theory and laboratory components shall be as per the clause13.1and13.2 respectively.

The weighted average shall be converted into 50 marks for internal Assessment.

<table>
<tr>
<td>different L T P C formats and the weightage of marks for Theory and Laboratory components may be fixed in proportion to lecture and practical contact periods. However, the weightage for internal and end semester examination marks will remain as 50% each.</td>
<td>Theory courses with Laboratory component and Laboratory courses with Theory component with different L T P C formats and the weightage of marks for Theory and Laboratory components may be fixed in proportion to lecture and practical contact periods. However, the weightage for internal and end semester examination marks will remain as 50% each.</td>
</tr>
<tr>
<td>13.5.4 The Continuous Internal Assessment marks (100) for the Aptitude and Coding skills is calculated as follows.
<table>
<tr><th>Assessment</th><th>Marks</th></tr>
<tr><td colspan="2">Skillrack Performance</td></tr>
<tr><td>Aptitude test</td><td>10</td></tr>
<tr><td>Proctored Test(Two test during assessment schedule)</td><td>20</td></tr>
<tr><td>Performance (Daily Challenge + Daily Tracks + Coding test + Code tracks)</td><td>20</td></tr>
<tr><td colspan="2">AMCAT Performance</td></tr>
<tr><td>Technical</td><td>5</td></tr>
<tr><td>Aptitude (Quants-10%, English-10% and Logical – 10%)</td><td>30</td></tr>
<tr><td>Writex</td><td>5</td></tr>
<tr><td>Automata</td><td>10</td></tr>
<tr><td>Total</td><td>100</td></tr>
</table>
</td>
<td>13.5.4 The Continuous Internal Assessment marks (100) for the Aptitude and Coding skills and other courses are calculated based on the attendance and the assessment conducted as per the decision of DCC with the approval of the Head of the Institution.</td>
</tr>
<tr>
<td>Assessment for Online Courses</td>
<td>Included in clause 4.8</td>
</tr>
<tr>
<td>16.6 Grade Sheet
After results are declared, Grade Sheets will be issued to each student which will contain the following details:
• The list of courses enrolled during the semester and the grade scored.
• The Grade Point Average(GPA) for the semester and
• The Cumulative Grade Point Average (CGPA) of all courses enrolled from the first semester onwards.
16.6.1 GPA for a semester is the ratio of the sum of the products of the number of credits for courses acquired and the corresponding points to the sum of the</td>
<td>16.6 Grade Sheet
After results are declared, Grade Sheets will be issued to each student which will contain the following details:
• The list of courses of curriculum registered during the semester and the grades scored.
• List of courses studied for Hons., minor and any other additional courses in which the student has passed with the grades under the title additional courses
• The Grade Point Average (GPA) for the semester considering only the</td>
</tr>
</table>

number of credits for the courses acquired in the semester.

16.6.2 CGPA will be calculated similarly, considering all the courses registered from the first semester. RA grades will be excluded for calculating GPA and CGPA.

$$GPA/CGPA = \frac{\sum_{i=1}^{n} Ci \times GPi}{\sum_{i=1}^{n} Ci}$$

Where,

- *Ci* is the number of credits assigned to the course
- *GPi* is the point corresponding to the grade obtained for each course
- *n* is the number of all courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA.

courses of curriculum (not the additional courses) and

- The Cumulative Grade Point Average (CGPA) of all courses registered from first semester onwards considering only the courses of curriculum (not the additional courses). However, for the students who have successfully completed the requirements of B.E. / B. Tech. (Hons) and B.E. / B.Tech. Minor vide Clause 4.12, grades scored in the six additional courses shall be taken into account for the computation of CGPA.
- During each semester, the list of curricular courses (not the additional courses) registered and the grades scored in each course are used to compute the Grade Point Average (GPA). GPA is the ratio of the sum of the products of the number of credits of curricular courses (not the additional courses) registered and the grade points corresponding to the grades scored in those courses, taken for all the courses, to the sum of the number of credits of all the courses in the semester.

$$GPA/CGPA = \frac{\sum_{i=1}^{n} Ci \times GPi}{\sum_{i=1}^{n} Ci}$$

Where,

- *Ci* is the number of credits assigned to the course
- *GPi* is the point corresponding to the grade obtained for each course
- *n* is the number of all courses successfully cleared during the particular semester in the case of

	GPA and during all the semesters in the case of CGPA. • CGPA will be calculated in a similar manner, considering all the curricular courses (not the additional courses) enrolled from first semester. "U" and "SA" grades will be excluded for calculating GPA and CGPA. • Credits earned under value added courses, shall not be considered for calculating the GPA or CGPA. • If a student studies more number of professional and open electives than required as per the student's programme curriculum (if the student decides not to opt for Hons. and Minor), the calculation of final CGPA shall be as per 4.12.6 and 4.12.7. • If a student successfully completes all the requirements of the programme and also meets the requirements of B.E. / B. Tech. (Hons) or B.E. / B. Tech. Minor but desires not to opt for the additional qualification, then he/she has to submit a declaration with regard to the same within 30 days before the completion of semester VIII. • In the consolidated grade sheet the CGPA earned shall be converted into percentage of marks as follows: **Percentage of Marks = CGPA X 10**
17.5 Valuation Double valuation is adopted for all the theory courses through online mode to overcome any subjectivity in single valuation in the End Semester Examinations. So the provision for revaluation does not arise. However, if a student wants to appeal for Photocopy and review of the result in any subjects, he /	**17.5 Valuation** Double valuation is adopted for all the theory courses through online mode to overcome any subjectivity in single valuation in the End Semester Examinations. So the provision for revaluation does not arise. However, if a student wants to appeal for Photocopy and review of the result in any subjects,

she can submit a review application to the Institution CoE office. A committee consisting of the Head of the Department, concerned course instructor and a subject expert (Internal / External) nominated by the COE will review and give its recommendations. 17.5.1 If the difference of total marks obtained between two valuations is less than 15 marks, the highest mark among the two valuations will be considered for the award of marks. **17.5.2 If the difference in total marks obtained between two valuations is more than 15 marks, a third valuation is applicable. Out of the three valuations, the highest mark between two nearest marks (the mark obtained in third valuation and the marks obtained nearer to the third valuation out of the first two valuations) shall be considered for the award of marks. However, the difference between these two nearest marks must be less than 15.**	he / she can submit a review application to the Institution CoE office. A committee consisting of the Head of the Department, concerned course instructor and a subject expert (Internal / External) nominated by the COE will review and give its recommendations. 17.5.1 If the difference of total marks obtained between two valuations is less than 15 marks, the highest mark among the two valuations will be considered for the award of marks. **17.5.2 If the difference in total marks obtained between two valuations is more than 15 marks, a third valuation is applicable. Out of the three valuations, the highest mark between two nearest marks (the mark obtained in third valuation and the marks obtained nearer to the third valuation out of the first two valuations) shall be considered for the award of marks.**

Item No. RMKEC/ACM/2024-25/09/05	**To approve & recommend the following to Governing Council** • **To continue the programme B.E. – Electronics and Communication (Advanced Communication Technology) for the academic year 2024-25** • **To continue the programme B.E. – Electronics Engineering (VLSI Design and Technology) for the academic year 2024-25** • **To start the UG and PG programme for working professionals with the approval of Anna University.** • **UG: B.E. – Computer Science and Engineering (Intake: 60)** • **UG: B.E. – Electronics and Communication Engineering (Intake: 60)** • **UG: B.E. – Mechanical Engineering (Intake: 30)** • **PG: M.E. – Computer Science and Engineering (Intake: 15)**

	• **PG: M.E. – Power Electronics and Drives (Intake: 15)**
The Academic council approved and recommended to Governing council, the following programmes to continue for the academic year 2024-25 based on AICTE EOA enclosed in **Annexure II** ✓ B.E. – Electronics and Communication (Advanced Communication Technology) for the academic year 2024-25 ✓ B.E. – Electronics Engineering (VLSI Design and Technology) for the academic year 2024-25 The Academic council approved and recommended to Governing council, to start the UG and PG programme for working professionals with the approval of Anna University ✓ UG: B.E. – Computer Science and Engineering (Intake: 60) ✓ UG: B.E. – Electronics and Communication Engineering (Intake: 60) ✓ UG: B.E. – Mechanical Engineering (Intake: 30) ✓ PG: M.E. – Computer Science and Engineering (Intake: 15) ✓ PG: M.E. – Power Electronics and Drives (Intake: 15)	

Item No. RMKEC/ACM/2024-25/09/06	**To approve the Minutes of BoS meeting of the following boards** **1. Faculty of Civil Engineering** **2. Faculty of Computer Science and Engineering and Information Technology (CSE, IT, ADS, CSBS, CSD)** **3. Faculty of Electrical Engineering** **4. Faculty of Electronics and Communication Engineering (ECE, EC-ACT, EE-VLSI Design and Technology)** **5. Faculty of Mechanical Engineering** **6. Faculty of Science and Humanities**
The Minutes of BoS meeting of the following boards are submitted and approved by Academic council members and enclosed as **Annexure III** 1. Faculty of Civil Engineering 2. Faculty of Computer Science and Engineering and Information Technology (CSE, IT, ADS, CSBS, CSD) 3. Faculty of Electrical Engineering 4. Faculty of Electronics and Communication Engineering (ECE, EC-ACT, EE-VLSI Design and Technology) 5. Faculty of Mechanical Engineering Faculty of Science and Humanities	

Item No. RMKEC/ACM/2024-25/09/07	**To approve the ratified Curriculum 2022 & 2024 (I – VIII semesters) and I & II semester syllabus for the 2024 Curriculum (All the UG Programmes) based on the recommendations of respective BoS (for the students admitted from the academic year 2024-25 onwards)**

- Presented the curriculum 2024 and Syllabi of 1st and 2nd semester of all branches for the students admitted from the academic year 2024-25 onwards is **approved**
  - ✓ B.E., Civil Engineering UG: 1st – 8th Semester Curriculum and 1st and 2nd semester Syllabi **(Annexure IV)**
  - ✓ B.E., Computer Science and Engineering UG:1st – 8th Semester Curriculum and 1st and 2nd semester Syllabi **(Annexure V)**
  - ✓ B.E., Electrical and Electronics Engineering UG:1st – 8th Semester Curriculum and 1st and 2nd semester Syllabi **(Annexure VI)**
  - ✓ B.E., Electronics and Communication Engineering UG:1st – 8th Semester Curriculum and 1st and 2nd semester Syllabi **(Annexure VII)**
  - ✓ B.E., Mechanical Engineering UG:1st – 8th Semester Curriculum and 1st and 2nd semester Syllabi **(Annexure VIII)**
  - ✓ B.Tech. Information Technology UG:1st – 8th Semester Curriculum and 1st and 2nd semester Syllabi **(Annexure IX)**
  - ✓ B.E., Computer Science and Design UG:1st – 8th Semester Curriculum and 1st and 2nd semester Syllabi **(Annexure X)**
  - ✓ B.Tech. Artificial Intelligence and Data Science UG:1st – 8th Semester Curriculum and 1st and 2nd semester Syllabi **(Annexure XI)**
  - ✓ B.Tech. Computer Science and Business Systems UG:1st – 8th Semester Curriculum and 1st and 2nd semester Syllabi **(Annexure XII)**
  - ✓ B.E., Electronics Engineering (VLSI Design and Technology) UG:1st – 8th Semester Curriculum and 1st and 2nd semester Syllabi **(Annexure XIII)**
  - ✓ B.E., Electronics and Communication (Advanced Communication Technology) UG:1st – 8th Semester Curriculum and 1st and 2nd semester Syllabi **(Annexure XIV)**
- Presented the ratified curriculum 2022 and Syllabi of 1st and 8th semester of all branches for the students admitted from the academic year 2022-23 onwards is **approved**
  - ✓ B.E., Civil Engineering UG: 1st – 8th Semester Curriculum and Syllabi **(Annexure XV)**
  - ✓ B.E., Computer Science and Engineering UG:1st – 8th Semester Curriculum and Syllabi **(Annexure XVI)**
  - ✓ B.E., Electrical and Electronics Engineering UG:1st – 8th Semester Curriculum and Syllabi **(Annexure XVII)**
  - ✓ B.E., Electronics and Communication Engineering UG:1st – 8th Semester Curriculum Syllabi **(Annexure XVIII)**

- ✓ B.E., Mechanical Engineering UG:1st – 8th Semester Curriculum and Syllabi **(Annexure XIX)**
- ✓ B.Tech. Information Technology UG:1st – 8th Semester Curriculum and Syllabi **(Annexure XX)**
- ✓ B.E., Computer Science and Design UG:1st – 8th Semester Curriculum and Syllabi **(Annexure XXI)**
- ✓ B.Tech. Artificial Intelligence and Data Science UG:1st – 8th Semester Curriculum and Syllabi **(Annexure XXII)**
- ✓ B.Tech. Computer Science and Business Systems UG:1st – 8th Semester Curriculum and Syllabi **(Annexure XXIII)**
- ✓ B.E., Electronics Engineering (VLSI Design and Technology) UG:1st – 8th Semester Curriculum and Syllabi **(Annexure XXIV)**

B.E., Electronics and Communication (Advanced Communication Technology) UG:1st – 8th Semester Curriculum and Syllabi **(Annexure XXV)**

Item No. RMKEC/ACM/2024-25/09/08	**To approve Regulations 2024 (for the students admitted from the academic year 2024-25 onwards)**

➢ Presented the Regulations 2024 for the students admitted from the academic year 2024-25 onwards is **approved and enclosed as Annexure XXVI**

Discussion	**Resolution**
Dr. Dhananjay Kumar suggested the following	
Discussed about the change of regulation in every two years	Principal stated that based on the industry scenario and changes in Anna University regulation, it is decided to modify the regulation 2022 to Regulation 2024
Enquired about inclusion of capstone project for Honours and Minor degree	Principal stated that capstone project is included for Honours and Minor degree in all the Three regulations.
Enquired whether End semester examination papers will be shown to students	Principal stated that copy of end semester examination paper will be distributed to the students those who applied for review only.
Enquired about the number of students admitted in new courses	Principal stated that all the allotted seats for the new courses are filled.
Enquired about MoU signed with Foreign Universities to facilitate students to do semester aboard courses.	Principal explained the various MoUs signed with foreign Universities.

Enquired about final year project is same for all the departments	Stated that final year project credit is maintained as 8 for all the departments
Suggested to include Emerging Technology courses.	Principal stated that based on knowledge partner suggestions, included courses in all department curriculum. In curriculum 2024, Introduction to AI is included for all departments.
Dr. S. Amal Raj suggested the following	
Enquired about award of internal marks for Theory courses with lab component, Theory courses	Principal stated that as per clause 13.3, internal marks weightage is considered.
Enquired whether class committee is included in regulation	Principal stated that it is included in all the regulation in clause 9.
Dr.J.Jayakumar suggested the following	
Enquired about the restriction in award of marks for online courses to be completed in Regulation 2022	Principal stated that the marks will be allocated as approved by DCC committee.
Enquired about number of Mathematics subject in all departments	Stated that from first to fourth semester, one Mathematics subject is included every semester
Enquired about the total credits for the course and Honours and Minor degree	Principal stated that the total credits for each department varies from 163 to 170 and additional 18 credits for Honours and Minor degree.

Item No. RMKEC/ACM/2024-25/09/09	**To note the following and recommend to the Governing Council** **1. Training and Placement** **2. Research and Development**
The following details for the academic year 2023-24 is presented and approved to recommend to Governing council 1. Training and Placement 2. Research and Development	

Item No. RMKEC/ACM/2024-25/09/10	**To note the following and recommend to the Governing Council** **1. Annual day Competitions**

	2. Intramural Sports Competitions **3. Co-Curricular Achievements (2023-24)** **4. Extra -Curricular Achievements (2023-24)**
The following details for the academic year 2023-24 is presented and approved to recommend to Governing council 1. Annual day Competitions 2. Intramural Sports Competitions 3. Co-Curricular Achievements 4. Extra -Curricular Achievements	

Item No. RMKEC/ACM/2024-25/09/11	**Any other matter with the permission of Chair**
The following details are presented and approved to recommend to Governing council 1. Regulation 2022 – EEC Course – Aptitude and Coding Skills – Any common platform can be used instead of skillrack for evaluation 2. RMK Universe – Deemed to be University, Application under progress 3. End semester examination 2023-24 (ODD and EVEN Semester) Results	

The Chairman of the Academic Council thanked all the members for their valuable suggestions and coordination.

Junaid 31/08/24.

Dr. K. A. Mohamed Junaid
Principal/Academic Council Chairman

Dr. K.A. MOHAMED JUNAID, M.E.,Ph.D.,
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