R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution)

RSM NAGAR, PUDUVOYAL- 601206

IQAC MEETING

Fourth Meeting of the Academic Year 2023 - 2024

Date : 06.05.2024
Time : 03.30 PM
Venue : BOARD ROOM

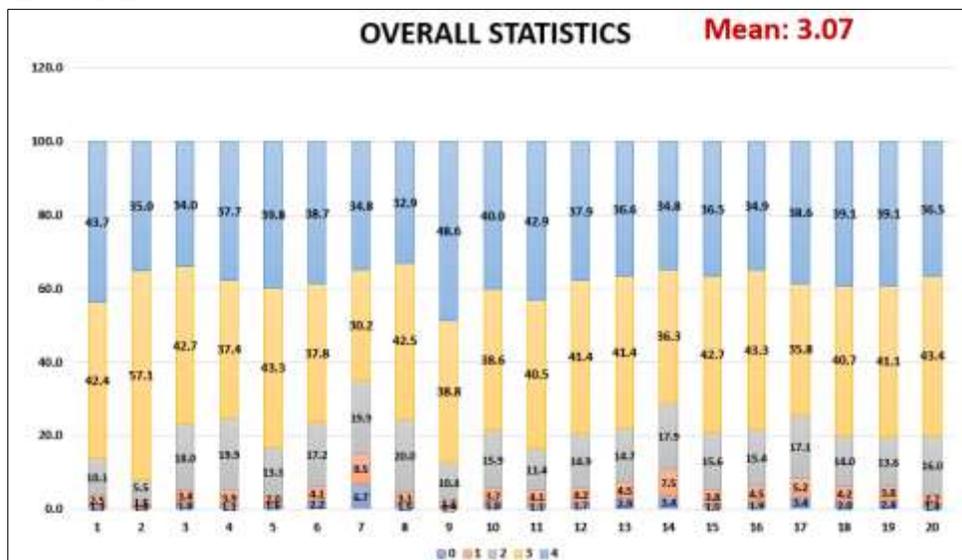| DISCUSSIONS |
|---|
| **Welcome Address:**

 The IQAC Coordinator, Dr. Chettiyar Vani Vivekanand, welcomed the members for the Fourth IQAC meeting of the year 2023-2024 and stated the agenda of the meeting. A short review of previous meeting was given by IQAC Coordinator.

   <u>**Agenda of the meeting**</u>

     Student Satisfactory Survey Report   - Dr. Dharini .N, ASP,CS (Cyber Sec)

     Stake Holders Feedback Report   - Dr.Sakthi R, AP, S&H

     IAT2 Result Analysis - Action Taken after IAT1   - All HoDs |

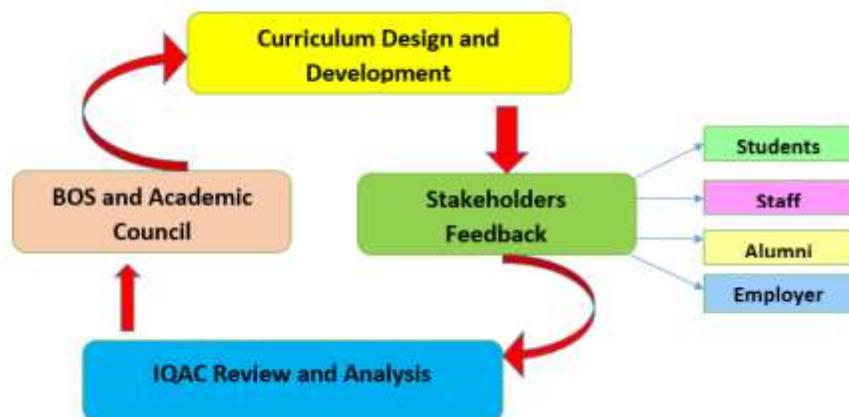| DISCUSSIONS	REMARKS

A presentation was STUDENTS SATISFACTION SURVEY by Dr. Dharini . N, ASP,CS (Cyber Sec)
 	
• Dr Dharani began her presentation by informing the Total Strength of the students in RMKCET during the year 2023-2024 as **1954**
    ○ AIDS   278
    ○ CSE   548
    ○ CY   60
    ○ ECE   432
    ○ ME   80
    ○ First Year 556
• Total number of Students' Participated in the Survey-2023-24 is **1336** hence forms the sample size for the survey.
• Total boys participated in survey is 754 and Girls participated in survey is 582.
• The questionnaire given for the Student Satisfactory Survey are
    ○ The preparedness of the teacher for the completion of syllabus in time
    ○ The preparedness of the teacher for the class
    ○ Curriculum encourages you to take value added courses?
    ○ The teacher's content delivery and communication can best be described as
    ○ The teacher method of evaluation
    ○ Are the assignments discussed with you?
    ○ Does the institute promote internship, industrial visit , field visit opportunities for students.
    ○ Does the teaching and mentoring process in your institution facilitates your overall growth.
    ○ The institution provides multiple opportunities to learn and grow like encouraging NPTEL, Hackathon, Mini Projects, etc.
    ○ Teachers inform you about course outcomes and programme outcomes
    ○ Does your mentor follow-up with you for any assigned task
    ○ The teachers illustrate the concepts through problem solving methodologies and models
    ○ Academic support like Remedial /Tutorial, coaching classes are extended?
	• The Principal appreciated Dr.Dharani for her presentation. He insisted to improve the teaching methodology by combining both chalk and talk along with PowerPoint presentation
	• The Deam appreciated Dr.Dharani for the survey taken among the large sample.

- o Teachers are able to identify your weaknesses and help you to overcome them.
- o The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.
- o The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences.
- o Teachers encourage you to participate in extracurricular activities.
- o Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employabilityskills to make you ready for the world of work.
- o What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching
- o The overall quality of teaching-learning process in your institute is very good.
- o Give three observation/suggestion to improve the overall teaching-learning experience in your institution

- The analysis of the questions provided in the Student Satisfactory Survey was discussed and suggestions were noted.
- The overall statistics of Student Satisfactory Survey given below was summarized for discussion.

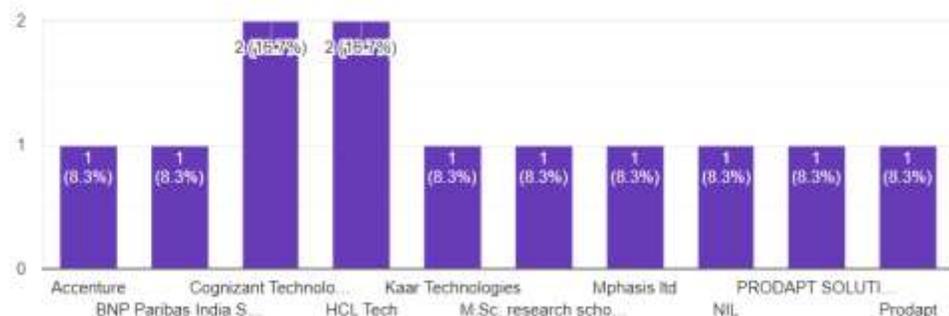|	

• The Action taken report for the Student Satisfactory Survey was discussed
• Some of the notable points in the action taken for the Student Satisfactory Survey are
   o Foster mutual respect between faculty and students, supporting diverse learning needs.
   o Ensure equal access to educational resources and opportunities for all students.
   o Implement Interactive Learning Techniques
   o Prioritize Feedback and Continuous Improvement
   o Increase practical sessions: Allocate more time for hands-on lab work.
   o Enhance lab facilities: Ensure labs are equipped with advanced technology relevant to industry standards.
   o Plan at least 2-3 industry visits per semester to relevant companies.
   o Ensure visits are to leading companies in each department's field.
   o Schedule regular sports periods for mind relaxation and physical activity.
   o Encourage participation in various skill-related activities beyond academics.
   o Guest lectures from industry executives and startup founders are being organized besides will improve the number of guest lectures.
   o Provide personalized feedback to students to track progress.	

A presentation was given on the Stake Holders Feedback Report by Dr.Sakthi R, AP, S&H
  • The process of collecting the stake holders feedback was presented and discussed
 	
  • The questionnaire and the analysis for the Students Feedback on Curriculum were discussed
	• The Principal suggested to increase the sample size for the survey
	• The Dean suggested to reframe the questions and check English and grammar

- o Does the curriculum caters to recent developments, need-based and application-oriented?
- o Does ample number of Electives are offered?
- o Does the digital materials are adequate in terms of quality and quantity?
- o Whether sufficient weightage is given to both theory and practical course content?
- o Coverage of the Syllabus in class by the faculty(Lab)
- o Coverage of the Syllabus in class by the faculty(Theory)
- o Does the textbooks/reference books recommended in the syllabus are
- o relevant &updated?
- o Does the curriculum address the opportunity for innovation and product development?
- o Does the teaching-learning process provide a better platform of the course Content?
- o Does the curriculum insist on internship?
- The questionnaire and the analysis for the Faculty Feedback on Curriculum were discussed
  - o Does the aim and objective of the syllabus are well-defined and clear to teachers and students?
  - o Does the syllabus covers advanced topics which meet demands of the industry?
  - o Does the course has a good balance between theory and practical contents?
  - o Does the book facilities and other amenities like projectors, software, etc., are available in the institution?
  - o Does the contents in the curriculum are challenging and stimulate critical thinking and problem-solving among students?
  - o Are the course outcomes are well defined?
  - o Does the curriculum has good academic flexibility?
  - o Does the course content fulfills the needs of the students?
  - o Does the syllabus contains the necessary fundamentals for the students to face the industry needs?
  - o Does the curriculum provide opportunity for industry and placement to students?
- The questionnaire and the analysis for the Alumni Feedback on Curriculum were discussed.

- Alumni from various reputed organization took part in the survey to give their valuable feedback as given below.

Organization(current work place)

12 responses

IAT2 Result Analysis and Action Taken after IAT1 was discussed by the HoD's of all departments.

CSE Department by Dr.P Valarmathie, Professor & Head, Department of Computer Science & Communication Engineering

	IAT 1	IAT 2
II YEAR	43.29%	50.79%
III YEAR	46.41%	56.91%
OVERALL	45.14%	53.78%

- Some of the action taken after IAT1 to improve students' performance are.
  - Students who scored less than 50 marks were asked to write assignment.
  - For hostel students separate coaching class has been scheduled
  - Each Counselor spoke to the students individually and motivated them to perform well in IAT2 Examination.

- Two or more subject failed student's parents were informed about their performance in IAT1 and asked them to motivate their wards.

ECE Department by Dr.N.Gangatharan, Professor & Head, Department of Electronics & Communication Engineering

YEAR	IAT1	IAT2
II YEAR (04 SEM)	71/121 = 58.65	78/121 = 64.46
III YEAR (06 SEM)	119/175 = 68	111/165 = 67.27
OVER ALL	190/296 = 64.19	189/286 = 66.08

- Some of the action taken after IAT1 to improve students performance are.
  - Guest Lectures arranged
  - Mini Projects given for better understanding of concepts
  - Industrial Visits arranged
  - Evening Coaching Classes conducted
  - Counseling given
  - Interaction with Parents
  - HOD and YC addressed the students
  - Principal and Dean addressed students

- The Principal appreciated the improvement in the result and insisted to maintain good results in the model exam and end semester exam.
- The Dean insisted to convey results to parents regularly through counselors.

AIDS Department by Dr. B.Prathusha Laxmi, Professor & Head, Department of Artificial Intelligence and Data Science

Exam	II Year (IV SEM)				III Year (VI SEM)				Department Pass %
	Total no. of students	No. of Students Appeared	No. of Students Passed	Pass %	Total no. of students	No. of Students Appeared	No. of Students Passed	Pass %	
IAT1	127	127	67	**52.75**	91	91	62	**68.13**	**59.17**
IAT2	127	126	77	**61.11**	91	91	75	**82.41**	**70.04**

- Some of the action taken after IAT1 to improve students' performance are.
    - Conducting seminar for slow learner's separate time table will be followed for them and One-to-One focus has been given.
    - Practice problems were given to the identified slow learner students and make them to practice and submit it as an assignment. Online doubt clearing sessions were arranged.
    - Concentrated more on problem solving topics. Given assignments on problems.
    - During Sports hour, one – to – one sessions were arranged for weak students.
    - Summarization of the concepts before the examination were given to the slow learner students.
    - Concentrated more on programming part. Asked the students to solve more programs.
    - Key topics have been identified and explained to the slow learners in a easy way to understand.

Mechanical Department by Dr.M.Balasubramanian, Professor & Head, Department of Mechanical Engineering

Year / Semester	IAT 2	IAT 1
III / VI	53.8	53.8
Overall Pass %	53.8	53.8

- Some of the action taken after IAT1 to improve students' performance are.
    - Guest lectures were organized.
    - MOOC courses were identified
    - Coaching classes for weak students were conducted.
    - Tutorial Classes for analytical papers were conducted.
    - Seminar were organized.
    - Videos of specific concepts will be made available for better visualization and understanding
    - Special classes will be arranged during lab hours on specific topics
    - Weekly assignments will be provided from difficult subjects

Computer Science and Engineering (Cyber Security) by S M Udhaya Sankar, Professor & Head, Department of Computer Science and Engineering (Cyber Security)

	II YEAR (IAT 1)	II YEAR (IAT 2)
Total No. of Students	60	60
No. of Students Passed	35	33
No. of Students Failed	25	27
Pass percentage	**58.33**	**55%**

Some of the action taken after IAT1 to improve students' performance are.

- After IAT 1 Result, Course handling faculties meeting was conducted for IAT II Result improvement.
- For the IAT 1 Failed students, Evening coaching classes are conducted on for all the Analytical courses and QA.
- To give more programming practice
- To solve more problems in tutorial class
- To revise important Part A Questions.
- Special attention is given for slow learners
- Important concepts are taught again and test are conducted.
- Workshop & Guest lecture are arranged
- Unit test will be conducted at the end of each unit.
- Activity based learning is conducted regularly at each unit.
- Industrial visit and Guest lectures for Analytical subjects are planned.
- Real-time case study problems are to be given.
- Discuss with slow learners' parents
- Group discussion, Students seminar and debates were conducted.

S & H by Dr. K.A. Selvakumaran, Professor and Head, Department of Science and Humanities,

Action Taken for improvement from IAT I to IAT II

- Special classes were conducted for students who got less than 50 marks.
- Assignments given to improve the student's understanding in basic concepts.
- Continuous counseling was given for slow learners.
- Student's performance was informed to parents through counselors.

S & H by Dr. K.A. Selvakumaran, Professor and Head, Department of Science and Humanities,

Actions taken after IAT1 to improve students' performance are:

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- Assignments given to improve the student's understanding in basic concepts.
- Continuous counseling was given for slow learners.
- Student's performance was informed to parents through counselors.

- **Address by the Principal:** The Principal appreciated Dr. Dharani and Dr. Sakthi for their presentations on the Student Satisfaction Survey and Stakeholder Feedback Survey, respectively. He emphasized the importance of implementing the action plans suggested by each department and recommended enhancing feedback from alumni. Additionally, the Principal requested all Heads of Departments to prepare proposals for the IEI R&D Grant-in-Aid Scheme.
- **Address by the Dean:** The Dean appreciated Dr. Dharani for her efforts in collecting a comprehensive Student Satisfaction Survey from a large sample size. He urged Dr. Sakthi to increase the sample size for stakeholder feedback and emphasized the importance of collecting industry feedback on the curriculum. Additionally, the Dean recommended enhancing teaching methodology by incorporating animated PowerPoint presentations. Furthermore, he praised the IQAC team for taking the initiative to present survey reports during the meeting and appreciated the interactive discussions among all IQAC members

Copy to:

Dean-Research
All HODs /Academic Coordinator
All Cell Conveners, NBA & NAAC Coordinator,
All Faculty Members
Administrative Officer, Office File

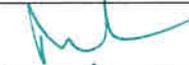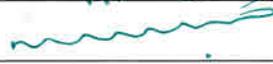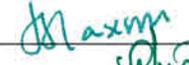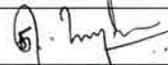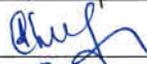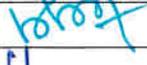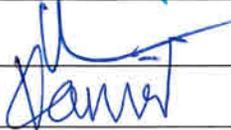CC: Chairman / Director / Vice-Chairman/ Advisor for kind information

Principal

Convener –IQAC

Dr. K.RAMAR, B.E., M.E., Ph.D, FIE
PRINICIPAL
R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY
PUDUVOYAL. GUMMIDIPOONDI TALUK   601205

Members Attended:

Name	Designation	Signature
Dr.K. Ramar	Principal, Convener -IQAC	
Dr.K. Sivaram	Dean- Research	
Dr. P Valarmathie	HOD – CSE	
Dr.S.M Udhaya Sankar	HOD – CSE (CS)	
Dr.N.Gangatharan	HOD – ECE	
Dr.M.Balasubramanian	HOD – MECHANICAL, NAAC Coordinator & Convener- Research & Development Cell	
Dr. B. Prathusha Laxmi	HOD - AI& DS	
Dr.K.A Selvakumaran	HOD - S&H	
Dr. P.K. Devan	IIC Coordinator	
Dr G.Devi	Academic Coordinator	
Ms. J Gnana Jeslin	IQAC-Department Coordinator & IQAC Co-Coordinator - CSE	
Ms. S.Seshavidhya	IQAC-Department Coordinator – ECE	
Dr.Karthick K	IQAC-Department Coordinator - MECHANICAL	
Ms.A.Jency	IQAC-Department Coordinator - AI& DS	
Dr.Sakthi R	IQAC-Department Coordinator - S & H	
Dr.N Dharini	IQAC-Department Coordinator - CS Cyber Security	
Dr.C.Bibin	Convener- Career Development Centre	
Dr.S.Senthil Kumar	Convener- Higher Education Cell, IDEA Lab Coordinator	
Dr.Chettiyar Vani Vivekanand	Coordinator –IQAC	