



# R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution)  
RSM NAGAR, PUDUVOYAL- 601206

## IQAC MEETING

### Second Meeting of the Academic Year 2022 - 2023

**Date** : 6.1.2023  
**Time** : 11 am  
**Venue** : MB Board Room

### DISCUSSIONS

#### Welcome Address:

The IQAC Coordinator, Dr.Chettiyar Vani Vivekanand, welcomed the members for the second IQAC meeting of the year 2022-2023 and stated the Agenda of the meeting.

1. Action Plan by All the Head of the Departments
  - To place the students with an annual package of 10 Lakhs or more
  - Technology identified for placement with higher packages
  - Expectations of high package offering companies from students
2. Parameters and Focus areas to bring RMKCET within 200 Band in NIRF- Convener (NIRF)
3. Autonomous NBA formats- Convener (NBA)
4. Current status of research activities- Convener (R&D)
  - i) Research Publications - Submitted, Accepted, Published and Indexed details
  - ii) Consultancy Projects, Research Proposals, Event Proposals submitted details
5. Scope and Plans of IDEA Lab – Convener (IDEA LAB)
6. Address by Principal and Dean

DISCUSSIONS	REMARKS/ACTION TO BE TAKEN
<p><b>CSE Department:</b>  <b>Dr. P Valarmathie, HoD of CSE</b> has given a presentation on  <b>Action plan to place students with 10LPA or more</b></p> <ul style="list-style-type: none"> <li>To Create the habit of “inquisitiveness” about various technologies among the students like Technology Stack behind Facebook, Gmail, YouTube, huge data storage by Quora, Facebook, Google and Microsoft, Security technology adopted by Gmail to emails, etc.</li> <li>To encourage the habit of reading quality technology books</li> </ul> <p><b>Expected Skills/Technology</b></p> <ul style="list-style-type: none"> <li>Data Structures and Algorithms</li> <li>Object Oriented Analysis, Design and Programming</li> <li>Database Management System</li> <li>Basic hands-on experience with Cloud Technologies: AWS/Azure/GCP</li> <li>Unix Commands, Git and GitHub</li> <li>Full Stack Development</li> <li>Front-End Technologies: HTML, CSS, JavaScript</li> <li>Frameworks: React/Angular/Vue, Bootstrap/Material UI</li> <li>Databases: MySQL/Oracle/MS SQL Server/PostgreSQL</li> <li>Server Side Programming: Servlets &amp; JSP/Python/NodeJS</li> <li>Frameworks: Spring Boot (Java) / Django (Python) / ExpressJS (JavaScript)</li> <li>Data Science, AI and ML Technology</li> </ul> <p><b>Expectations of high package offering companies from students</b></p> <ul style="list-style-type: none"> <li>Good Projects</li> <li>Ability to understand the problem and requirements</li> </ul>	<ul style="list-style-type: none"> <li>The Principal appreciated the HOD for identifying the right technologies to train students.</li> <li>The Dean suggested to improve the number of students doing NPTEL courses. The Dean suggested to include the number of students placed under each COE in the placement database.</li> </ul>

- Problem Solving Approach
- Ability to solve the problem with optimal solution
- Ability to articulate ideas well
- GitHub and LinkedIn active membership

**AIDS Department:**

**Dr.B Prathusha Lakshmi, HoD has given a presentation on**

**Action plan to place students with 10LPA or more**

- Using industry resource persons, provide hands-on training for the aforementioned technologies.
- Encourage them to complete the projects using the trained technologies
- Encourage students to pursue certification in specific technologies.
- Encourage students to pursue internships that are related to the trained technologies.

**Expected Skills/Technology**

**AI and ML Technologies**

Scikit Learn

Tensorflow

Caffe

Keras

PyTorch

**Data Analytics Technologies**

- Python

- R

- Jupyter Notebook

- Apache Spark

- SAS

- Microsoft Power BI

- The Principal appreciated the students who got placed in Amazon with 25 LPA and one student from ECE with 66 LPA and insisted that the count should increase every year.
- The Dean insisted to conduct Awareness programmes about high package companies, their expectations and current trends in those companies.

- Tableau

#### Block chain Technologies

- Solidity
- Ethereum
- Sole
- Truffle
- Ganache
- Metamask

#### Cloud computing Technologies

- Google Cloud Platform (GCP)
- AWS
- Microsoft Azure
- Salesforce
- IBM Cloud
- Oracle Cloud

#### Expectations of high package offering companies from students

- Communication Skills
- Good Aptitude Skills
- Good Knowledge of Programming language (Like Java OR Python Full Stack )
  - Improve rank(badges) in one of competitive coding sites( suggestion codechef, hackerearth or hakerrank)
  - Contribute in open source world and show their work on github
- Develop few Projects before the placement starts
- Learning some Development tools
- Use of LinkedIn(or other social media) properly for show case their Skills.
- Motivate the students to learn foreign languages.

**ECE Department:**

**Dr.N.Gangatharan, HoD has given a presentation on**

**Action plan to place students with 10LPA or more**

- To learn at least three programming languages
- To practice Skillrack daily to upgrade their level
- To learn "Competitive Coding" from various sources
- To have "coding experience" (Ex: Leet code, Hackerrank etc.,)
- To participate in various coding competitions
- To study the concepts thoroughly
- To do peer learning and be strong in DSA (Data structures & Algorithms)
- To get motivated by knowing the opportunities available in our group of institutions
- To be thorough in Front end/Full stack/App Development/Back end etc.,
- To have positive attitude

**Expected Skills/Technology**

- Full Stack Development
- Cloud Computing/Cloud Technology and IoT
- Project/App/Web Development
- AI, Machine Learning/Deep Learning
- Block Chain Technology

- The Principal suggested to conduct mock interviews regularly for placement eligible students with the help of ALUMNI
- The Dean suggested to encourage students to participate in corporate contests and competitions.

<ul style="list-style-type: none"> <li>• Cybersecurity</li> </ul> <p><b>Expectations of high package offering companies from students</b></p> <ul style="list-style-type: none"> <li>• Excellent analytical and logical skills</li> <li>• Excellent coding skills and knowledge in some recent technologies (AI, Cloud computing, Robotics, IoT etc.,)</li> <li>• Excellent programming and conceptual knowledge</li> <li>• Clear understanding of basic concepts and subjects (ECE)</li> <li>• Excellent communication skills</li> <li>• Very good attitude</li> <li>• Excellent learning ability</li> <li>• Adaptability towards various situations</li> <li>• Focus towards the goal</li> <li>• Continuity in the work progress and Obedience</li> </ul>	
<p><b>Mechanical Engineering Department:</b>  <b>Dr.M.Balasubramianan, HoD has given a presentation on Action plan to place students with 10LPA or more</b></p> <ul style="list-style-type: none"> <li>• Special classes may be arranged for coding.</li> <li>• Special sessions on problem solving skills</li> <li>• Sessions to make students fundamentally strong in the core subjects.</li> <li>• Ability to learn new things, readiness to swift from traditional to unconventional strategies, thinking out of box are the ones that help them to get higher package – steps will be taken to educate them</li> <li>• Students may be asked to complete few projects</li> </ul> <p><b>Expected Skills/Technology</b></p>	<ul style="list-style-type: none"> <li>• The Principal suggested to motivate students to participate in global competitions like Smart India Hackathon and other Hackathons</li> <li>• The Dean insisted to guide students towards skill improvement to be placed in product-based company</li> </ul>

<ul style="list-style-type: none"> <li>• Knowledge of Design softwares Like Catia, solid works etc.</li> <li>• Robotics</li> <li>• Nanotechnology</li> <li>• Additive Manufacturing</li> <li>• Digital Manufacturing</li> <li>• Six Sigma Certification</li> </ul>	
<p><b>Presentation by NIRF Ranking Coordinator</b></p> <p>The NIRF Ranking Coordinator <b>Dr.K.G.Shanthi</b> presented on the objective Parameters and Focus areas to bring RMKCET within 200 Band in NIRF <b>Shortcomings for NIRF ranking</b></p> <ul style="list-style-type: none"> <li>• Number of Faculty with PhDs are less</li> <li>• Women Diversity is less (Number of girls students)</li> <li>• Faculty retention is less</li> <li>• Faculty with more experience in the required ratio (8 years,9-15 years,&gt;15 years)</li> <li>• Patents filed and granted is less</li> <li>• Funds through research proposals is less</li> <li>• Funds through Consultancy is less</li> <li>• Perception to be done exhaustively</li> </ul> <p><b>Action Plan</b></p> <ul style="list-style-type: none"> <li>➤ Peer Perception: Employers and Research Investors</li> <li>➤ Peer Perception: Academics</li> <li>➤ Public Perception</li> <li>➤ Competitiveness</li> </ul> <ul style="list-style-type: none"> <li>• All the faculty to be insisted to publish minimum of two Scopus indexed journals.</li> </ul>	<ul style="list-style-type: none"> <li>• Dean and Principal appreciated that RMKCET improved in the perception with 2.12, which was Nil in the AY 2021-22.</li> <li>• Dean discussed about the methods to increase perception through social media and insisted that all our faculty members should like postings in the social media</li> <li>• Dean also insisted that various school programs are conducted through IIC in this academic year which is a good sign for improvement in the perception</li> <li>• Dean suggested to concentrate in google reviews to increase perception</li> <li>• Principal and Dean insisted HoDs that all the faculty members without PhD should register in the forthcoming sessions of PhD admission in Anna University</li> </ul>

<ul style="list-style-type: none"> <li>• Fetch at least 10 Scopus citations to their papers.</li> <li>• More patents to be filed and get Granted.</li> <li>• More Funds through research proposals.</li> <li>• More funds through Consultancy</li> <li>• PhD to be made mandatory.</li> <li>• Faculty retention should be maintained.</li> <li>• Faculty experience 8 years, 9-15 years, &gt;15 years should be in the ratio of 1:1:1</li> <li>• All graduated students should either get placement/Higher studies</li> </ul>	
<p><b>Presentation by NBA Coordinator</b>  The NBA Coordinator <b>Dr. T.M.Inbamalar</b> presented NBA formats for Tier I institutions</p> <ul style="list-style-type: none"> <li>• Eligibility criteria for NBA accreditation for TIER I Institutions.</li> <li>• Research and Consultancy shall be improved to score good marks in Criteria 5</li> <li>• Consultancy projects should be of 2 Lac limit to score marks in that category</li> <li>• Adjunct faculty to be maintained in the register and time table to be prepared for them to score marks in that category</li> </ul>	<ul style="list-style-type: none"> <li>• The Principal discussed that we will be submitting SAR in December 2024.</li> <li>• The Dean suggested that minimum of 2 Lakhs consultancy project should be obtained and the payment may be staggered as per work completion.</li> </ul>
<p><b>Presentation by IDEA Lab Coordinator</b>  The IDEA Lab Coordinator <b>Dr. T G Loganathan</b> presented on Scope and Plans of IDEA Lab</p> <ul style="list-style-type: none"> <li>• AICTE IDEA (Idea Development, Evaluation and Application) Lab is meant to encourage students for application of STEM fundamentals to enhance Creativity, Critical thinking, Problem solving, Design thinking, Collaboration, Lifelong learning etc. Students should engage, Explore, Experience, Express and Excel</li> <li>• Objective: To Achieve Higher Cognitive Skills</li> <li>• Technology Readiness Levels <ul style="list-style-type: none"> <li>➤ Idea</li> <li>➤ Prototype</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• The Principal suggested to plan IDEA lab activities based on evaluation criteria</li> <li>• The Dean suggested one faculty from ECE with programming knowledge and one faculty from CSE/AI&amp;DS to be nominated for the vertical Electronic System Design</li> </ul>



<ul style="list-style-type: none"> <li>➤ Validation</li> <li>➤ Production</li> <li>• Knowledge Verticals <ul style="list-style-type: none"> <li>➤ Automation</li> <li>➤ Electronic System Design</li> <li>➤ Electro- Mechanical Design</li> <li>➤ Additive Manufacturing</li> </ul> </li> <li>• Workflow, Activities and Evaluation criteria were presented</li> <li>• Tech Guru -one faculty to be nominated and should register on or before 10/1/2023</li> </ul>	
<p><b>Presentation by Overall Research Cell Coordinator</b></p> <p>The Research Coordinator <b>Dr. C. Arun</b> presented the following points</p> <ul style="list-style-type: none"> <li>• Research Publications - Submitted, Accepted, Published and Indexed details <ul style="list-style-type: none"> <li>➤ <b>WOS &amp; Scopus Target: 234</b> 151 papers are published and indexed in Scopus and WOS, with the achievement of 64.53%</li> <li>➤ <b>Patents Target: 42</b> 15 are published, with the achievement of 14.29%</li> </ul> </li> <li>• Consultancy Projects, Research Proposals, Event Proposals submitted details <ul style="list-style-type: none"> <li>➤ <b>Consultancy Projects Target: 12 Lakhs for 6 departments</b> Consultancy projects received for Rs.5,88,070 with the achievement of 46%</li> <li>➤ <b>Research Proposals Target: 94</b> 24 Proposals are submitted</li> <li>➤ <b>Event Proposal Target: 188</b> 38 Event proposals are submitted</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• The Principal insisted that 50% of the target in terms of funding proposals, publications, patents and consultancies should have been by this time as one semester is completed. He added every PhD holder should submit one project proposal and one event proposal to various government funding agencies like DST, DRDO and CSIR.</li> <li>• The Dean insisted for more number of patents to be filed and granted. He discussed about revenue generation through commercialization of patents</li> </ul>

**Address by the Principal:**

Principal greeted all the members of the IQAC and appreciated all the HODs for the action plan presented to make students to be placed with an annual package of 10 Lakhs or more. He told all the members to concentrate in bringing RMK CET within 200 bands in NIRF. He insisted that all should work towards this target in NIRF. He suggested to conduct various programs to be conducted through IDEA Lab. He told that all the faculty members yet to register for PhD should register in the next admission session of Anna University. He insisted that all the activities of each department should be summarized in the research newsletter and students' achievement newsletter and to be sent to all the academicians, Industry Persons and to the parents regularly. Finally, he concluded that all of us should work together and "Team work never fails".

**Address by the Dean: Dean- Research.** insisted that the instruction from VC sir is very clear to focus NIRF within 200 band. He told all the faculty members to register for PhD in the next admission session. The target for consultancy should be 2 Lakhs and the payment may be staggered as per work completion. He insisted to identify problem statement for consultancy by discussing with companies. The communication with the companies should be maintained with correspondence letter and proper reports for consultancy projects. He appreciated IIC for the achievements in this academic year till now. He suggested IDEA lab to combine with IIC and plan programmes accordingly. He insisted to concentrate in product development rather than project development through IDEA lab. He appreciated the meeting flow and added that it was fruitful discussion which provided the clarity about how to go further. He suggested that consultancy will improve the perception of our institute and thereby improvement in public awareness.

Copy to:

- The Chairman/Vice-Chairman/Advisor for kind information
- All HODs, Academic Coordinator
- Administrative Officer
- All Cell conveners,
- NBA & NAAC Coordinator
- All faculty members

*R.K. Ramar*  
**Principal**  
**Convener-IQAC**

RMK CET/COM/RF/04



**DR. K. RAMAR** B.E, M.E, Ph.D, FIE  
PRINCIPAL  
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Members Attended:

Name	Designation	Signature
Dr.K. Ramnar	Principal, Convener -IQAC	R. Nigil. 23, 16/10/23
Dr.K. Sivaram	Dean Research	16/10/23
Dr. P. Valarmathie	HOD - CSE	16/10/23
Dr. N. Gangatharan	HOD - ECE	16/10/23
Dr.N. Kalarasi	HOD - EEE	16/10/23
Dr. M. Balasubramanian	HOD - MECHANICAL	16/10/23
Dr. B. Prathusha Laxmi	HOD - AI & DS	16/10/23
Dr.K.A Selvakumaran	HOD - S&H	16/10/23
Ms. J. Ghana Jeslin	IQAC-Department Coordinator -CSE	16/10/23
Ms. S. Seshavidhya	IQAC-Department Coordinator - ECE	16/10/23
Dr. T.J Catherine	IQAC-Department Coordinator - EEE	16/10/23
Mr. Hemadri Chadalavada	IQAC-Department Coordinator - MECHANICAL	16/10/23
Ms. A. Akila	IQAC-Department Coordinator - AI & DS	16/10/23
Dr. M. Meganathan	IQAC-Department Coordinator - S&H	16/10/23
Dr.P.K Devan	Convener- Entrepreneur Development Cell, IIC	16/10/23
Dr.C.Arjun	Convener- Research & Development Cell	16/10/23
Dr. T.G. Loganathan	NAAC Coordinator	16/10/23
Mr.V. Sudharsanam	Convener- Training & Placement Cell	16/10/23
Dr.S.Senthil Kumar	Convener- Higher Education Cell	16/10/23
Dr.Chettiyar Vani Vivekanand	Coordinator -IQAC	16/10/23

Dr. G. S. Senthil Kumar  
 Academic Coordinator

Dr. G. S. Senthil Kumar