R.M.K. ENGINEERING COLLEGE

Kavaraipettai – 601206.
Affiliated to Anna University. Chennai / Approved by AICTE, New Delhi/ Accredited by NAAC with A+ Grade /
All the UG Programs are accredited by NBA, New Delhi.

INSTITUTIONAL DISTINCTIVENESS – 2018-19

Vision of RMKEC:

o To be the most preferred destination in the country for pursuing education in Engineering and its allied fields, at the undergraduate and post graduate levels, and for undertaking doctoral research.

o To transform learners into achievers at the global level with the right attitude towards changing societal needs.

The vision encompasses academic excellence, research activities and socially responsible engineers.

ACADEMIC EXCELLENCE

Academics form the central core of all the activities of RMKEC. The excellence is achieved by the qualified and dedicated faculty members, infrastructure, top management involvement, student centric teaching – learning process, technology adoption for learning, importance to research and development, uncompromised discipline and more importantly the ultimate beneficiaries, the students. Each of these aspects are explained below:

1. **Faculty members:**
   a) The college has 197 faculty members with 59 doctorates. The faculty members are recruited through a rigorous 4 phase recruitment process :
      o Communication skill testing
      o Technical Interview
      o On-line test
      o HR interview

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b) Upskilling of the faculty members are given due importance, such as, regular training programmes and sponsorship for attending FDPs at NITs, IITs and other premier institutions and industries

c) Sponsorship to attend conferences / workshops at the national and international levels

d) Encouragement for NPTEL / MOOC Courses' certification (One in a semester)

e) Annual performance appraisal for the faculty members to analyse the continuous improvement

2. Student centric teaching – learning process:

Student-centric learning through creating an academic ambience for the students to acquire critical thinking, interpersonal   communication skill, listening, problem solving and knowledge management skill, team work and group interaction all of which enable the students for lifelong learning.

- o Academic schedule is prepared for systematic and meticulous delivery of the curriculum.
- o Two internal assessments and one model examination is conducted per semester. In addition to this basic requirements, the other strategies adopted for conceptual understanding of the subject include:
- o Interactive learning through regular classes supported with seminars, quiz, role play, debates, brain storming sessions, think-pair-share, muddy point, one-minute paper, group discussions etc
- o Seminars, Tutorial classes, Guest lectures, Industrial visits, summer and in plant trainings, department associations, symposia, technical club, coding club, science club, sports club etc.
- o Periodical lectures by eminent experts and practicing professionals from industries and R&D organizations are arranged for the benefit of the students.
- o The institution is a nodal centre for NPTEL on-line courses and all the students are motivated to get certified by NPTEL on-line courses to improve their knowledge in the relevant streams by independent self-learning.
- o Periodic Paper presentation contests, project competitions
- o Encouragement and sponsorship to present papers / projects in premier institutions

- o Sponsorship and encouragement to participate in corporate contests
- o 15 Centres of Excellences in new age technologies such as Big-data. Cyber security, cloud computing, Artificial intelligence, Product life cycle management, building automation etc. with industry partners. This enables students to enhance their skills in the chosen area which in turn provides core-job opportunities
- o Encouragement and sponsorship to participate in Smart India hackathons and other regional hackathons
- o Clubs such as Science club, math club, coding club, language club, eco club enhances the creativity and analytical skills of the students.

3. **Technology adoption for learning**
   - o Smart classrooms are established in all the departments
   - o Skillrack webportal is accessible to all the students.
     - ⌡ Multiple choice questions on the subjects of all the semesters, all the years and for all the chapters are prepared and hosted in the webportal. Students can take the test at the prescribed time schedule which tests the conceptual understanding the subjects and chapters.
     - ⌡ Students can learn and assess their coding skills in skillrack portal.
     - ⌡ Skillrack webportal conducts webinars on "Programming languages" for the students.
   - o Innovative lecture videos by the faculty members are hosted in the website / youtube.
   - o Reference PPTs are uploaded in the college website for the students' access
   - o Study materials are communicated through groupmails.
   - o AMCAT online test for enhancing aptitude and coding skills

4. **Infrastructure** – The institution provides infrastructure required for effective learning.
   - o Clean and Green Campus
   - o Spacious and Ventilated classrooms
   - o Smart classrooms
   - o Air conditioned seminar halls

- Air conditioned library fully equipped with 98590 books and 96 journals worth 4.02 Cr.
- Air-conditioned state-of-the-art laboratories with modern equipments / instruments / machines etc.
- Air-conditioned Gymnasium for boys and girls separately
- Playgrounds
- Equipped hostels etc.

5. **Research and development department**

   Separate R & D headed by emeritus professors is functioning in the institution which

   - Encourages students and faculty members to actively participate in research projects
   - Facilitates project proposal preparation
   - Encourages students and faculty members to publish papers in refereed journals

6. **Other salient features:**

   - Staff students ratio is maintained at 1 : 15 as per the norms of AICTE.
   - A class strength of 40 – 45 / class upto the 2nd year facilitates individual attention to students and a closer observation on their performance and progress.
   - Merit cum Means scholarship Scholarships worth Rs.2,50,000 is given to the needy students.
   - Insitution innovation council is established for the benefit of the students
   - MSME incubator, E-cell, Higher Education cell etc. are established to provide career guidance.

With all the above said features, RMKEC achieves consistently >90% university results and University Ranks. The students are placed in core companies, pursue higher studies in top notch institutions or become entrepreneurs.

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