



R.M.K. ENGINEERING COLLEGE
(An Autonomous Institution)



INSTITUTIONAL DISTINCTIVENESS
INDUSTRIES AS KNOWLEDGE PARTNERS

1. What are the objectives / intended outcomes of this “best practice” and what are the underlying principles or concepts of this practice? (in about 20 words)

Objectives of the Practice

- a. To continuously evolve the teaching and learning process
- b. To enhance the curriculum to meet the expectations of the job markets.
- c. To keep abreast with the global technological trends
- d. To improve the curriculum design

2. **The Context** : What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice? (in about 30 words)

Contextual features:

Institution has inducted industry partners in the Board of studies for curriculum design

- 40% curriculum provided by the industry knowledge partners in line with the rapidly changing industry landscape with

3. **The Practice**

Describe the best practice and its uniqueness in the context of India higher education.

What were the constraints / limitations, if any, faced? (in about 50 words)

Industries contributing directly to the curriculum are scarcely known in Indian context. As an autonomous institution, RMKEC has taken milestone initiative by partnering with the industries for curriculum design and hence the students are better positioned in the job markets, with the specialized knowledge and skills.

4. **Evidence of Success**

Provide evidence of success such as performance against targets and benchmarks, review/results. What do these results indicate? Describe in about 40 words.

The concept of knowledge partnering has been introduced since 2022. As mentioned, the industry partners design 40% of our curriculum. They also provide faculty training on specialized courses and hence simultaneous increase in the available expertise is also achieved.

5. Problems Encountered and Resources Required

Please identify the problems encountered and resources required to implement the practice (in about 30 words).

Balancing the Industry curriculum and AICTE norms is a challenge. Industries emphasise on the inclusion of emerging technologies and AICTE norms mandate the inclusion of basic sciences, employability skills, non credit mandatory courses and UHV.

Program	Knowledge partner
B.TECH. – Artificial Intelligence and Data Science	Cognizant
B.E. – Civil Engineering	TCS in GIS and SMART Cities
B.E. – Computer Science and Design	LTIMindtree
B.TECH. – Computer Science and Business Systems	Powered by Tata Consultancy Services
B.E. - Computer Science and Engineering	TCS - Cyber Security, NTT Data - Full Stack Technology, ATOS - Cloud Computing) (Joins Google Career Readiness Program)
B.E – Electrical and Electronics Engineering	HCL (Embedded Systems-40% Syllabus framed by HCL)
B.E. – Electronics and Communication Engineering	Johnson Controls (India) Pvt. Ltd. (JCI), TATA ELXSI, TATA Consultancy Services- IoT and BOSCH Ltd. – Automotive Electronics)
B.Tech – Information Technology	Powered by Virtusa & (Virtusa Batch Adoption Program)
B.E. - Electronics and Communication (Advanced Communication Technology)	40% of the Syllabus provided by knowledge partners of ECE - TATA ELXSI, NECTechnologies)

B.E. – Mechanical Engineering	Tata Consulting Services
B.E. - Electronics Engineering (VLSI Design and Technology)	40% of the Syllabus provided by our proposed knowledge partner HCLTECH