R.M.D ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FULL STACK COMPUTING CENTRE OF EXCELLENCE

The centre of excellence for **FULL STACK COMPUTING** was inaugurated in R.M.D Engineering College in the academic year 2021 - 25 for the students.

Knowledge Partner: **NTT DATA**

About CoE:

Full Stack Computing refers to a set of technologies and tools that enable developers to build web applications that cover both the frontend and backend development. Full Stack Computing is in high demand, and many companies are looking for developers who can handle multiple aspects of a project. This can lead to a wider range of job opportunities and potentially higher salaries.
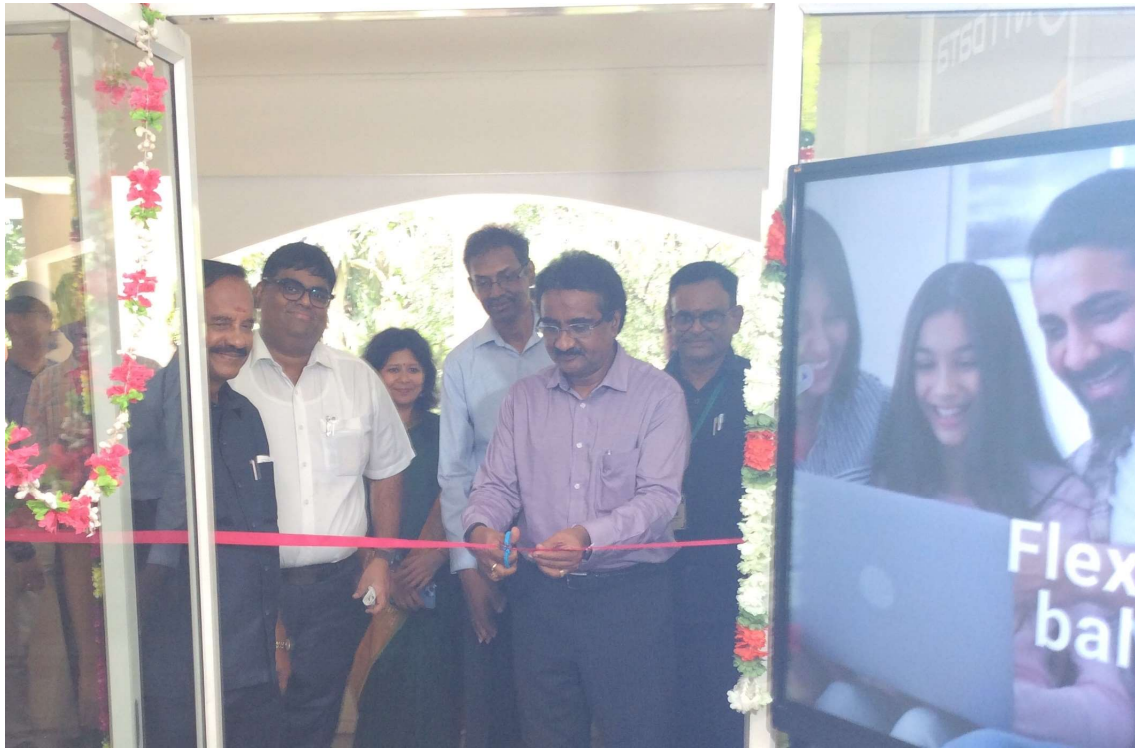
The main objective of this CoE is to enhance the students with Full Stack Application Development. Learning full-stack development will help the students to master a wide set of skills ranging from HTML, CSS, JavaScript, Back-end languages like Python, PHP, Ruby along with a good set of Agile project management and soft skills.

MoU Signed Details

Full Stack Computing Center of Excellence (Full Stack CoE) has been established in R.M.K. Engineering College and MoU signed with NTT DATA on 13th March 2023.

MoU signing Ceremony on 13.03.2023

FSC CoE Lab Inauguration on 21-09-2023

Industry Advisory Committee Members

Mr.J.P. Niranjan Kumar

Senior Vice President, NTT DATA

Ms. Urmimalaa

Talent Acquisition Director - Campus Recruitment

Core Team Members

- **Dr. K. K. Sivagnanaprabhu**

  Dean, Career Development Centre

  R.M.K. Group of Institutions

- **Dr Lakshmi Haritha – SPoC**

  Associate Professor

  Department of Computer Science and Engineering

R.M.K. Engineering College

- **Dr S Murugesan**

  Associate Professor

  Department of Computer Science and Engineering

  R.M.D. Engineering College

- **Ms P Jemi Gold**

  Assistant Professor

  Department of Computer Science and Engineering

  R.M.K. College of Engineering and Technology

ROLLOUT PLAN:

HIRE AND TRAIN MODEL

2021 – 2025 BATCH

TRAIN AND HIRE MODEL

2022 – 2026 BATCH ONWARDS

No. of Students Selected for FSC CoE in 2021-25 Batch: 60

No. of Students Selected for FSC CoE in 2026 Batch: 66

Certification:

Students will be able to complete the **Java SE 8 Programmer** during the 6th semester.

Subjects Mapped with Full Stack Computing CoE

Semester 1:

1. Problem Solving Using C++
2. Software Development Practices

Semester 2:

3. Data Structures
4. Database Management systems

Semester 3:

5. Advance Java Programming
6. Design and analysis of algorithms
7. Operating Systems

Semester 4:

8. Distributed and Cloud Computing
9. UI/UX Design

Semester 5:

10. Computer Networks
11. MERN Full Stack Development
12. Mobile Architecture and Application Development

Semester 6:

13. C# and .NET Programming
14. Micro Service Architecture
15. Object Oriented Software Engineering

Semester 7:

16. Web Application Security