

ORGANIZING COMMITTEE

Chief Patron:

Rev. Fr. Jose Alex C M I, Director

Patrons:

Dr. A. Unnikrishnan, Principal, RSET

Dr. John M George, Dean & Vice Principal, RSET

Course Conveners:

Prof. K. S. Mathew, CSE

Mr. Binu A, HOD, IT

Ms. Shimmi Asokan, HOD, CSE

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About the Institution:

Rajagiri School of Engineering & Technology (RSET), Kakkanad, Kochi, is a premier educational institution offering excellence in engineering education and research. RSET is affiliated to the A.P. J. Abdul Kalam Technological University, Trivandrum, Kerala from the 2015 admissions onwards, and had been affiliated to the Mahatma Gandhi University, Kottayam, Kerala from 2001 to 2014 and approved by the All India Council for Technical Education, New Delhi.

Managed by the Sacred Heart Province of the Carmelites of Mary Immaculate (CMI) congregation, RSET is a part of the Rajagiri Vidyapeetham (seat of knowledge), a dream eternal, being unfolded in time through the relentless CMI quest for excellence in the pursuit of Wisdom. The dream is a wide network of institutions and centers providing quality education from pre-primary to doctoral programmes of specializations and super-specializations, and seeking alternatives to the conventional mainstream efforts. As an institution which bears the traditional Rajagiri hallmark of academic brilliance and social commitment, RSET has successfully carved a niche for itself in the sphere of engineering education in the state within a very short span of its existence.

The institution currently offers six undergraduate programmes:

- ☐ Applied Electronics & Instrumentation Engineering
- ☐ Civil Engineering
- ☐ Computer Science & Engineering
- ☐ Electrical & Electronics Engineering
- ☐ Electronics & Communication Engineering
- ☐ Mechanical Engineering
- ☐ Information Technology

Five post graduate programmes:

- ☐ VLSI & Embedded Systems
- ☐ Computer Science & Information Systems
- ☐ Signal Processing
- ☐ Industrial Drives and Control
- ☐ Network Engineering
- ☐ Communication Engineering



RSET

RAJAGIRI SCHOOL OF
ENGINEERING & TECHNOLOGY

FACULTY DEVELOPMENT PROGRAM ON DESIGN PROJECT

Special Focus on Semester 5 Design Project
in Computer Science & Engineering and
Information Technology under KTU Syllabus

July 15 - 19, 2017



DEPARTMENT OF CSE

&

DEPARTMENT OF IT

RAJAGIRI SCHOOL OF ENGINEERING &
TECHNOLOGY, KOCHI

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“ Faculty Development Program on Design Project ”

July 15 – 19, 2017

DEPARTMENT OF CSE, RSET & DEPARTMENT OF IT, RSET

SPECIAL FOCUS: COURSE ON DESIGN PROJECT FOR FIFTH SEMESTER COMPUTER SCIENCE AND ENGINEERING AND INFORMATION TECHNOLOGY UNDER KTU SYLLABUS

The Faculty Development Program focuses in bringing all colleges under KTU that are offering B.Tech and M.Tech programs in computer Science and Information Technology under one umbrella for sharing best practices in project design, documentation and testing for handling the course on Design Project.

The design project gives an idea about design thinking and new project developments. This equips the students with software development life cycles and different testing strategies.

The faculty development program aims to provide an overview of the project design methods on SDLC models for faculties based on KTU fifth semester design project syllabus. This program also provides an overview of system design based on various UML diagrams, fundamentals of software testing, test case design.

This program provides a platform for the participants to get an idea about brainstorming, mind mapping, context mapping and six thinking hats. This also provides hands-on session for ArgoUML and testing tools.

Resource Persons

Dr. John Jose, Assistant Professor
Department of Computer Science & Engineering
Indian Institute of Technology, Guwahati

Mr. Gopikrishnan Gopalakrishnan,
Sr. Technical Manager,
DRD Communications & Software (P) Ltd, Smart City,
Kochi

Prof. K. S. Mathew,
Department of Computer Science & Engineering, RSET

Mr. Binu A, HoD,
Department of Information Technology, RSET

For Registration:

Visit: <https://goo.gl/5e6sfd>

Spot registration Fee: Rs. 750/-

For any queries:

Drop your mail to: fdpondp@rajagiritech.edu.in

Accommodation:

Shared Accommodation will be arranged for a limited number of participants (on first come first serve basis).

Course contents:

1. Introduction to design thinking
2. Tools for Creative Thinking, Innovation and New Product Development
3. Introduction to Software Development Life Cycle/Requirement Elicitation
4. Requirement analysis
5. Details of Use Cases
6. Requirements traceability matrix
7. System design
8. Fundamentals of Software Testing- Test Case Design
9. Introduction to Test Automation
10. Software Project Documentation
11. Multidisciplinary Projects

Tools and techniques used:

1. ArgoUML
2. Brainstorming
3. Mind Mapping
4. Six thinking hats