

ORGANISING COMMITTEE

Chief Patron: Rev. Dr. Jose Kuriedath CMI, Director, RSET

Patron: Prof.(Dr.)P.S. Sreejith, Principal, RSET

Convenor: Dr. Rajeev Kumar P, HoD, Department of CE

COURSE COORDINATORS

Mr. Jayakumar J Assistant Professor,

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REGISTRATION:

Interested candidates are requested to register using the link

<https://bit.ly/sdpgge22> or the QR code on or before 19th September 2022.

Selected candidates will be intimated through their registered email addresses.



RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

Rajagiri Valley, Kochi- 682039, Kerala
Tel: 0484-2660999

<https://www.rajagiritech.ac.in>

DESIGNED BY RSOFT

ABOUT RSET

Rajagiri School of Engineering & Technology (RSET) - Autonomous, Kakkanad, Kochi, is a premier educational institution offering excellence in engineering education and research. The University Grants Commission has granted autonomous status to RSET from 2020 onwards. The parent university of RSET (Autonomous) is A P J Abdul Kalam Technological University, Trivandrum, Kerala. RSET is approved by the All India Council for Technical Education, New Delhi. Accredited with an A grade by NAAC in the second cycle, seven of the nine undergraduate programmes offered, namely B.Tech in Applied Electronics & Instrumentation, B.Tech in Computer Science & Engineering, B.Tech in Electrical & Electronics Engineering, B.Tech in Electronics & Communication Engineering, B.Tech in Information Technology, B.Tech in Mechanical Engineering, and B.Tech in Civil Engineering are accredited by the NBA for the current year.

The National Institutional Ranking and Framework (NIRF) places RSET in the band of 201 - 250 in their 2022 rankings.

ABOUT THE DEPARTMENT

The Department of Civil Engineering started in 2013 with an undergraduate programme, B. Tech in Civil Engineering, with a sanctioned intake of 60 students, offered per the curriculum of MG University, Kottayam. Since 2015, the programme has been offered per APJ Abdul Kalam Technological University's (KTU) curriculum. Since 2020, the department offers its own curriculum as RSET has been awarded autonomous status.

The NBA-accredited B.Tech programme aims at producing bright graduates in Civil Engineering to meet the rapid technological advances and industrial requirements. The department has highly qualified faculty members specialised in various disciplines of Civil Engineering. They add strength to the department with their competitive skills and steadfast dedication. The department has eight engineering laboratories catering to external projects and consultancy work.

The faculty members pursue research in Structural Engineering, Building Materials, Construction Management, Geotechnical Engineering, Fluid Mechanics, Environmental Engineering, Sustainable Engineering and Transportation Engineering. The department ensures the involvement of students in research activities by taking up relevant projects and publishing their findings in reputed international conferences and journals.



5 DAY FACULTY DEVELOPMENT PROGRAMME ON “SUSTAINABLE DEVELOPMENTS AND PRACTICES IN GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING”

26th - 30th September 2022



Organized by

Department of Civil Engineering

Rajagiri School of Engineering & Technology

Sponsored by: A P J Abdul Kalam
Technological University



ABOUT THE PROGRAMME

“Sustainable developments and practices in geotechnical and geoenvironmental engineering”

Advancements in any technological development are inevitable for societal and economic stability. However, these are said to be sustainable when advancements in natural resource utilisation cover future societal benefits. With this objective, sustainable development in geotechnical and geoenvironmental engineering plays a vital role in controlling human and natural resource utilisation. Understanding the environmental impact of industrial development and population growth is critical for effective utilisation by resolving issues. This faculty development program aims to impart knowledge to researchers and practitioners developing resilient approaches to the design, construction, operation, maintenance, and reuse of geotechnical and geoenvironmental infrastructure.

RESOURCE PERSONS:

- Dr K Balan, Former Professor, College of Engineering, Trivandrum
- Dr S Chandrakaran, Professor, Civil Engineering, NIT Calicut
- Dr Adarsh S, Professor, Civil Engineering, TKM College of Engineering, Kollam
- Dr Jeevan Joseph, Professor, Civil Engineering, NIT Trichy
- Dr Rakesh J Pillai, Assistant Professor, Civil Engineering, IIT Palakkad
- Dr Unnikrishnan N, HoD, Civil Engineering, College of Engineering, Trivandrum
- Dr Jayamohan J, Professor, Civil Engineering, LBS Institute of Technology for Women, Trivandrum
- Dr Rajeev Kumar P, Professor and Head, Civil Engineering, Rajagiri School of Engineering and Technology, Ernakulam
- Dr C Gurumoorthy, Former Senior Scientist, AERB, BARC, Mumbai.
- Dr Viswanath Parol, Dept Civil Engineering, IIT Gandhinagar

PROGRAMME ELIGIBILITY:

Faculty members from engineering colleges affiliated with A P J Abdul Kalam Technological University are eligible to apply for the programme, and participants are selected on a first-come, first-serve basis.

The total number of participants is limited to 30.

PROGRAMME FEES:

No course fee will be for attending the programme. This programme is sponsored by A P J Abdul Kalam Technological University.

TOPICS TO BE COVERED:

- Sustainable practices in ground improvement techniques
- Application of Artificial Intelligence in groundwater research
- Role of Geotechnical centrifuges in Geoenvironmental research
- Constitutive modelling of soils
- Modelling the response of chemically degraded carbonate sands
- Modern soil exploration techniques
- Finite element analysis of reinforced earth retaining walls – case study
- Bearing capacity improvement using geosynthetics
- Novel testing tools in Geotechnical/ Geoenvironmental engineering research
- Advancements of applied nuclear techniques in Geoenvironmental monitoring