

DEPARTMENT PROFILE

Department of civil engineering has been in existence since the inception of MITS. Over the years, department has grown tremendously by developing strong link with builders, construction industries, academic and research units. The department has 15 dedicated, well qualified faculty members and 6 technical staff headed by Dr. Babu Kurian. The department overcomes well equipped laboratories and modern machines, promising all civil engineering aspirants, an opportunity to excel in the field of Civil Engineering.

VISION

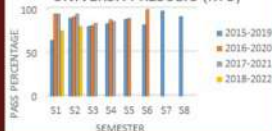
To be a centre of excellence in the field of Civil Engineering and serve the society through continuing education and research.

MISSION

- To identify real life problems in civil engineering domain and propose solutions through effective teaching learning process
- To refine the technical skills, knowledge and ethical values of the students for the sustainable development of the society.
- To facilitate collaborated research projects offering opportunities for long term interaction with industries
- To ignite The spark of entrepreneurship in students leading them to start their own ventures.

ACADEMIC PERFORMANCE

UNIVERSITY RESULTS-(KTU)



TOPPERS



LA KSHMI S NAIR
S8 (SGPA 9.0)



SREELAKSHMI SAJEEV
S6 (SGPA 9.09)



GOPIKA V
S4 (SGPA 9.28)



MEERA KRISHNAN
S2 (SGPA 9.61)



Jeeva Mariyam Oommen, Ansa Muhammed, Reshma R Raj, Samal Ummer has won First prize in the Project Expo Competition conducted as a part of SHRISTI 2020 on the project AUTOMATED INFILTRMETER held at Saintgits College of Engineering, Kottayam.

Dr Sandeep M S has received Ph.D. from National Institute of Technology, Calicut for the thesis on "Strength and Behaviour of Steel Fibre Reinforced Rubcrete Deep Beams" in September 2019.

PLACEMENT (2016-20)

Infosys



ANAND MATHEW



ASWINI



FATHIMATH SAHALA P.S



DIVIKA V S



ROSHINI S NAIR



ATHULYA J



ANETA VARGHESE

Infosys



ELIZABETH PRADEEP



GLADWIN SAJU



JINCY S TOMY



JOMOL PAULOSE



MIDHUN N



NISEYA MAHIN



RIYA MIDHUN

TATA



ASWIN V



KUNCHAKO SUNNY



DEVIKA V S



FATHIMATH SAHALA P.S



ROSHINI S NAIR



VEZNA JOSHI

amazon



ANAND MATHEW



JOHN JOSE



CATHERINE GEORGE



SERENE MARY BENEDICT



SANGEETHA M S

SHAH MJAMAL

Designation: Assistant Professor
Educational Qualifications:
Pursuing Ph.D at Kalasalingam Academy of Research and Education, Tamilnadu.
M.Tech – MA College of Engineering, Kothamangalam, Kerala, 2005
B.Tech – MA College of Engineering, Kothamangalam, Kerala, 1996
Specialization: COMPUTER AIDED STRUCTURAL ENGINEERING



BINOL VARGHESE

Designation: Assistant Professor
Educational Qualifications:
M.Tech – NITK, Surathkal, 2015
B.Tech – Mar Athanasius College of Engg, 2015
Specialization: COMPUTER AIDED STRUCTURAL ENGINEERING



DANIEL A V

Designation: Assistant Professor
Educational Qualifications:
M.Tech – NITK, Surathkal, 2015
B.Tech – Government College of Engineering, Thiruvananthapuram, University of Calicut, 2007
Specialization: STRUCTURAL ENGINEERING



MALA PANKAJ

Designation: Assistant Professor
Educational Qualifications:
M.Tech – School of Engineering, CUSAT, Kalamassery, 2017
B.Tech – TceH Institute of Science & Technology, Arakkunam, 2014
Specialization: GEOTECHNICAL ENGINEERING



JEREENA JAWAHAR

Designation: Assistant Professor
Educational Qualifications:
Pursuing Ph.D. at Cochin University of Science & Technology, Kalamassery
M.Tech – NIT, Calicut, 2016
B.Tech – School of Engineering, CUSAT, 2014
Specialization: STRUCTURAL ENGINEERING



NEW FACES

Issue #7
January 2020



ETERNIA'20

ETERNIA'20 The Everlasting Rex in Civil Empire

DEPARTMENT OF CIVIL ENGINEERING



KOCHI

Muthoot
Institute of Technology & Science



IGBC



Dr. Babu Kurian
Professor, HoD, CE

MESSAGE FROM THE HOD

The Department of Civil Engineering was established in the year 2015 with an intake of 60 students in the under-graduate level. Our Department with highly qualified dedicated faculty, well equipped laboratories and infrastructure facilities goes the extra mile in ensuring quality education. We are committed in moulding the students into excellent engineering professionals by exposing them to new innovations and developments in the field of Civil Engineering.

INSTALLATION CEREMONY OF OFFICE BEARERS AND NEWSLETTER RELEASE – ETERNIA'19

Department of Civil Engineering, MITS organized the Installation ceremony of Office Bearers of Civil Engineering Association – ETERNIA for the academic year 2019-20 and release of departmental newsletter ETERNIA'19 on 2nd September 2019. The event was honoured by the presence of Er. Sebin Jose, Asst. General Manager, Customer service, Zuari Cement Ltd who delivered a technical talk on Economical and Durable Concrete using Blended Cements.



HOUSING PROJECT FOR FLOOD AFFECTED PEOPLE

A team from Department of Civil Engineering, MITS, Varikoli comprising of Dr. Babu Kurian, Dhileep M and Dr. Sandeep M. S. volunteered to under take the planning, design and execution of low-cost housing project for the benefit of the people who were homeless due to Kerala flood. So far 10 houses has been completed and key handed over.



TECHNICAL SESSION ON NON DESTRUCTIVE TESTING

Eternia, Civil Engineering Association, of MITS organized an introductory session for S4, S6 and SS students regarding the NDT tests and its job opportunities delivered by trainees from Techshore Engineering Services Pvt Ltd on 20th January 2020.



A TECHNICAL DISCUSSION ON – BALANCED CANTILEVER CONSTRUCTION OF KOCHI METRO

ETERNIA, in association with ICI student chapter of MITS and Builders Association of India, organized a technical talk for students on "Balanced Cantilever construction of Kochi Metro" delivered by Shri G Kesava Chandra, Chief Engineer, Delhi Metro Rail Corporation on 17th February, 2020.



HANDS ON CONCRETE MIX DESIGN WORKSHOP

On 7th November 2019, a hands on workshop on Concrete Mix Design was conducted for final year civil students of MITS by the association of Qcrete India (P) Ltd, one of the largest producers of ready mix concrete in state. The session was handled by Er. Shelly S Fernandez, Managing Director, Qcrete Ready Mix India (P) Ltd. The session was included with both mix design calculation with and without admixtures and trials in the laboratory based on the designed mix by students.



PAPER PUBLICATIONS

•Dhileep M., Arumairaj, P.D. & Hemalatha.G. (2019). "A dynamic correction for the seismic analysis of structures". Innovative Infrastructural Solutions, 4(1): 25

•Dhileep M., Ajesh K.Kottuppillil and Babu Kurian (2019). "Orientation and Proportion in Indian Traditional Domestic Architecture", Interdisciplinary Science Reviews, 44(1), 97-109.

•Tintu Shine A.L, Fincy Babu and Dhileep M. (2019). "Mesoscopic analysis of reinforced concrete beams", Coupled System Mechanics, S(4), 289-298.

•Mary Lissy, P. N., G. Madhu, and Roy M. Thomas. "Polypyrrole/Alumina Iron Oxide Nanocomposite for Removal of Copper Ions from Aqueous Solutions." In Materials Science Forum, vol. 969, pp. 367-372. Trans Tech Publications Ltd, 2019.

•Sandeep, M. S., Praveen Nagarajan, and A. P. Shashikala. "Development of Models for Predicting Strut Efficiency Factors for Conventional and Steel Fibre Reinforced Concrete Deep Beams." Materials Science Forum, vol. 969, pp. 187-192.

•Sandeep, M. S., Praveen Nagarajan, and A. P. Shashikala. "Feasibility of ACI 318-14 Strut-and-Tie Provisions for the Analysis and Design of Rubberized and Steel Fibre Reinforced Rubberized Deep Beams." Structural Integrity Assessment, pp. 431-442. Springer, Singapore, 2020.

•Daniel A V, Aleena Pauly, Hajmina A A, Maria Joy, Mittu Kuriakose. "Static Analysis of Dome structures". Journal of Technology and Future, Issue 1, Page No:17-22 January-June 2019.

•Sandeep, M. S., Praveen Nagarajan, and A. P. Shashikala. "Development of Stress Block Parameters for Steel Fibre Reinforced Rubbercrete". 2nd International Conference on Innovative & Advanced Multidisciplinary Research, 12-15 October 2019, Park Avenue Convention Centre, Singapore.

STUDENT FUNDING PROJECT- KSCSTE

Jeeva Mariyam Oommen, Ansa Muhammed, Reshma R Raj, Samal Ummer of S6 civil received funding of Rs 10000 for the project "Automated Infiltrometer" guided by SUNITH JOHN DAVID

Aswin V Panikar, Priyanka Prakash, Mariya Paul, Sona Kunjumon of SS civil received funding of Rs 10000 for the project "Innovative Flood Resistant Residence" guided by MINNIE MARIYA JAMES

WORKSHOPS AND FDPs

•Daniel A V attended three day faculty development program on "Geohazards and Disaster Mitigation", funded by APJ Abdul Kalam University, from 12th-14th December 2019, VJCET, Muvattupuzha, Ernakulam.

•Eldhose Cherian attended three day faculty development program on "Geohazards and Disaster Mitigation", funded by APJ Abdul Kalam University, from 12th-14th December 2019, VJCET, Muvattupuzha, Ernakulam.

•Smith John David participated in the 2 day Young Innovator's Programme-Facilitator's workshop on Design for Kerala conducted by ICT Academy of Kerala in Association with Kerala Development and Innovation Strategic Council (K-DISC) from 15th Nov 2019 to 19th Nov 2019.

•Mala Pankaj attended International Conference on Recent Advances in Civil Engineering (ICRACE)2019, organised by Department of Civil, School of Engineering, CUSAT

•Mala Pankaj presented paper in National Seminar on Green Environment 2015, organised by ToCh Institute of Science and Technology

•Mala Pankaj attended Indian Geotechnical conference (IGC 2019) organized by IGS, Surat Chapter in association with SVNIT, Surat

•Mala Pankaj attended the Eighth Praphulla Kumar Annual Lecture (Sept 2019) conducted by IGS, Kochi Chapter and Association of Piling Specialists (APS, Kochi)

•Mary Lissy P N attended Advanced Separation process" held during December 2-7 2019 organized by Division of Safety & Fire Engg., CUSAT

•Serin Sara Roy attended "Fiber Reinforced Concrete and its Application" from 15th-22nd November 2019 at NIT Surathkal, Karnataka

•Binol Varghese attended three day faculty development program on "Geohazards and Disaster Mitigation", funded by APJ Abdul Kalam University, from 12th-14th December 2019, VJCET, Muvattupuzha, Ernakulam.

•Nishida A attended "Advanced Separation Processes" from 2nd to 7th December 2019 at CUSAT, Kalamassery

MOOC COURSES

The Department of Civil Engineering provides continuous encouragement to students and faculties to take up MOOC courses, by which they get access to a wide number of topics offered by premium institutions and experts. 32 students from 2016-2020 batch, 4 students from 2017-2021 batch and 25 students from 2015-2022 batch so far successfully completed and got certification on various MOOC courses.

ASSOCIATION OFFICE BEARERS

SECRETARY
FATHIMA SHIRIN
S6 CE



PRESIDENCY
FATHIMATHU SAHALA P.S
S8 CE



JOINT SECRETARY
MOHAMMED MUKTHAR M.M
S4 CE



EDITORIAL BOARD- SUNITH JOHN DAVID (ASST.HOD CE DEPT.)
ATHULA S(S6), GANGA S(S6), NASIR P N (S4)

TALK ON "APPLICATION OF AI IN THE FIELD OF CIVIL ENGINEERING"



Eternia, Civil Engineering Association of MITS organized a talk for S4, S6 and SS students on "Application of Artificial Intelligence in the field of civil Engineering" delivered by Mr Mahalingam P R, Asst. Professor, Computer Science & Engineering Department, MITS on 27th January 2020.

DESIGN STUDIO

A one week hands-on training program for pre final year students on preparation of spreadsheet templates for design and detailing of various RCC structural components was organized by Department of Civil Engineering in second week of January 2020.



IN – HOUSE FACULTY DEVELOPMENT PROGRAM

The Department of Civil Engineering has been conducted an in – house Faculty Development program on 'Multivariate Data Analysis in Civil Engineering' on 10th January 2020. The program mainly aims to give the importance of data analysis and the applications of different tools and software used for data analysis in the field of Civil Engineering. The faculty development program is organized by aiming MITS Civil Engineering faculty to give an idea about the mathematical background of regression analysis, importance of regression analysis and the applications of different tools and software used for data analysis in the field of Civil Engineering.



VISIT TO SREE POORNATHRAYEESHA VRIDHA SADANAM CHARITABLE TRUST

NSS unit of Fifth semester students of Civil Engineering Department has organized a visit to Sree Poornathrayeesha Vridha Sadanam – old age home at Ernakulam on 15th October 2019 between 10.30 am and 12.30 pm. The session was headed by Mr. Anilkumar, Orphanage councillor, Social justice department and he made a talk on importance of palliative care.



SURVEY CAMP AS PART OF "REBUILD KERALA INITIATIVE"

Third year students of Civil engineering department conducted road survey for "Rebuild Kerala Initiative" to reconstruct Panchayath and municipal roads damaged during the flood 2018 & 2019. The surveying camp was held from 7th January 2019 onwards for 6 days in various Panchayaths. A total stretch of more than 5 kms were surveyed and the reports were submitted to ISGD.



VISIT AT RETAINING WALL & BOX CULVERT CONSTRUCTION SITE.

Third year students from Department of Civil Engineering visited a Civil construction site on 24th September 2019 as part of gaining exposure to industry practices. The site visited by student is at Puthencruz Panchayath. The ongoing project visited was of construction of a Retaining wall and Box culvert undertaken by ISGD Puthencruz Panchayath. The project stage at the time of visit was laying of reinforcement bars and initial preparations for concreting.

