



*AISAT Civil Engineering Association
ACEA Bulletin, Srishti
Unfolds the array of events 2020*

srishti

Volume 8, Issue : February 2021



DEPARTMENT OF CIVIL ENGINEERING

Vision

To create technically competent and industry ready Civil Engineers having innovative and leadership qualities to serve the society and nation.

Mission

- Provide technical skills par excellence to face the challenges in the field of Civil Engineering.
- Promote innovative and original thinking in the minds of budding engineers.
- Generate research opportunities by undertaking collaborative projects through institute industry interaction.
- Create quality engineers to provide solutions to the emerging societal problems and advance entrepreneurial ventures.

Program Educational Objectives (PEOs)

Graduates of Civil Engineering shall

PEO1: Develop the knowledge and skills to solve real world engineering problems.

PEO2: Exhibit professional ethics, good interpersonal and leadership skills to meet professional excellence.

PEO3: Function effectively in a team, providing optimal, innovative and facilitative solutions for the betterment of society.

Program Outcomes (POs)

Engineering Graduates will be able to:

PO1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

The graduates of Civil Engineering will be able to

PSO1: Identify, formulate, analyse and design civil engineering problems by applying the knowledge of mathematics, science and engineering fundamentals.

PSO2: Interact with engineers from other disciplines to provide innovative/sustainable solutions for the benefit of society.

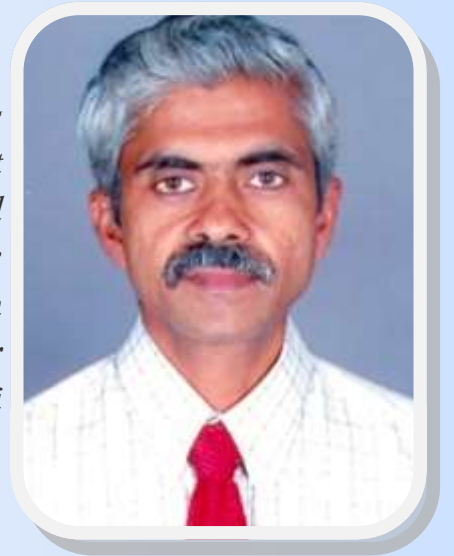
PSO3: Apply appropriate techniques and modern engineering tools to synthesize and analyse complex civil engineering problems.

HOD's Message...

According to Swami Vivekananda "Education is the manifestation of the perfection already in man"

Last year it was a different experience for educational sectors, particularly engineering education. Due to Covid-19, when institutions were closed, our faculty and students made a hassle free shift to online education mode. Though there were many apprehensions about the teaching learning process, systematic and meticulous efforts from faculty and students made things on pace. Both students and faculty were involved in subject enrichment activities like undergoing MOOC courses, webinars, online workshops etc. Regular training programs, interactions with elders in profession, department meetings, class advisory / committee meetings were held through online platform. This edition of Srishti is unveiling the continuous improvement of our students towards achieving the mission of our department. I take this opportunity to congratulate my colleagues and the students for their untiring efforts and making Srishti 2020-21, a reality.

Dr. Benny Mathews Abraham
Professor & Head, Dept. of Civil Engineering



About Cover Page

Digitally Built Environment

Digital construction is the use and application of digital tools to improve the process of delivering and operating the built environment. In general, terms that will translate into making the delivery, operation, and renewal of our built environment safer, more efficient, and more collaborative. Digital construction technologies used today are Building Information Modeling (BIM), Cloud Computing, reality modeling, AI etc. Digital construction management, through BIM and a connected data environment, enables both broad and detailed views of all phases of a project, helping mitigate or avoid problems that can stall a project. Technology is advancing fast, and regardless of your walk in life, digitalization is a major topic. For a student, it is important to learn and master the tools industry is using. It is one way of improving workflows or may be a need to create new workflows that better the future of our industry.



Congratulations to Previtha Varghese of S3 CE for designing the cover page of Srishti 2021

The Editorial Board



Faculty Coordinators:

Prof. Liji Anna Mathew

Prof. Rahul R Pai

Student Coordinators:

Daisy Manuval, S7 CE

Susan Samson, S5 CE

Previtha Varghese, S3 CE

Anju Jayakumar, S1 M.Tech

6 Days Online Faculty Development Programme on “RESEARCH AVENUES IN TRANSPORTATION ENGINEERING”

The Department of Civil Engineering, AISAT, organized a 6-day online faculty development program on “RESEARCH AVENUES IN TRANSPORTATION ENGINEERING” from 10th to 15th August 2020. The main aim of this program was to enlighten the faculty, researchers, and post graduate students about the latest research developments in the field of Transportation Engineering. The program was conducted through the online platform Google Meet. Dr. Samson Mathew, Director, NATPAC inaugurated the FDP. Dr. S. Jose, Principal, AISAT, Prof. Paul Ansel V., Vice Principal, AISAT and Prof. Liji Anna Mathew, HoD, Dept. of Civil Engineering, AISAT felicitated the gathering. Dr. Samson Mathew delivered the keynote lecture on “Coir Geotextiles Reinforced Pavements for Low volume Roads” which was encouraging for the researchers to conduct pilot study of pavements constructed with innovative materials. The session by Dr. Samson Mathew was followed by a very informative lecture on “Need for Performance Assessment of Pavements” by Dr. Vishnu R., Assistant Professor, Dept. of Civil Engineering, NIT Warangal. Dr. Vasudevan N., Assistant Manager, Smart City Thiruvananthapuram Ltd. presented the vital modeling aspects for traffic regulation in busy cities during his session on “Fundamentals of Transportation Planning” on the second day. Prof. Rahul R. Pai, Assistant Professor, Dept. of Civil Engineering, AISAT, introduced the latest nondestructive testing techniques of pavements through his lecture on “Field Evaluation of Flexible Pavement – Role of Falling Weight Deflectometer” on the third day. Dr. Sonu Mathew, Research Associate, University of North Carolina at Charlotte, USA, elucidated the pros and cons of automated vehicles in his lecture on “Connected and Automated Vehicles, Challenges and Opportunities” on the fourth day. Prof. Rohan Deshmukh, Assistant Professor, Terna Engineering College, Navi Mumbai, corroborated the significance of FEM software in pavement analysis and design through his lecture on “Analysis of Flexible Road Pavement Using PLAXIS 2D” on the fifth day. The final day of the 6-day program was fruitful with active interaction between the participants and resource persons. The program was a grand success with an attendance of more than 100 participants on all the six days. During the valedictory ceremony, Prof. Liji Anna Mathew complimented all the participants for their active participation on all days. The 6-day FDP came to an end with a vote of thanks from Prof. Rahul R Pai. E-certificates were mailed to all the participants.

ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY  **DEPARTMENT OF CIVIL ENGINEERING**

6 DAYS ONLINE FACULTY DEVELOPMENT PROGRAM ON

RESEARCH AVENUES IN TRANSPORTATION ENGINEERING

10th August - 15th August

Keynote Speaker
Day 1: 5.30pm

Our Resource Persons

Day 1
 **Dr. VISHNU R.**
Dept. of Civil Engineering
National Institute of Technology
Warangal, Telangana

Day 2
 **Dr. VASUDEVAN N.**
Assistant Manager
Smart City, Trivandrum

Day 3
 **Prof. RAHUL R. PAI**
A.M. ASCE
Dept. of Civil Engineering
Albertian Institute of Science & Technology
Kalamasserry

Day 4
 **Dr. SONU MATHEW**
Research Associate
University of North Carolina, USA

Day 5
 **Prof. ROHAN DESHMUKH**
A.M. ASCE
Dept. of Civil Engineering
Terna Engineering College, Navi Mumbai

Day 6
 **Dr. DAKSHANA O.**
Dept. of Civil Engineering
National Institute of Technology
Trichy

Schedule

INTENDED AUDIENCE

Program Coordinators

REGISTER ONLINE OR SCAN QR CODE
<https://forms.gle/pNcdf5CCgeZHGJEL6>



Webinar on Competency Skills Required for Employability- for a Fresh Civil Engineering Graduate

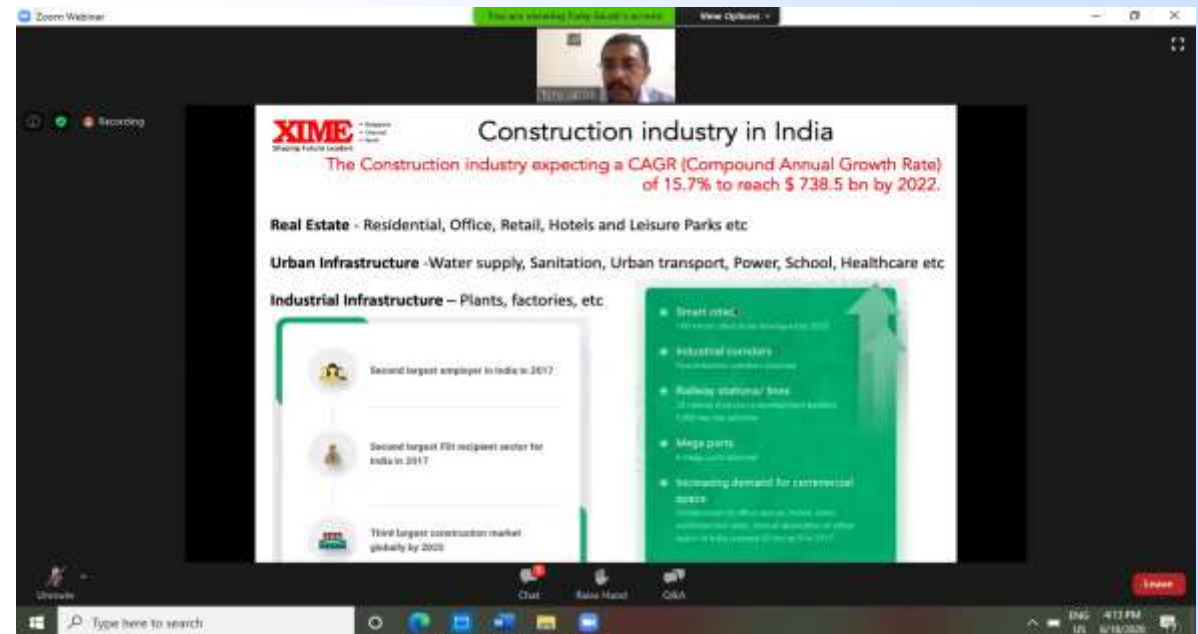
As the world is witnessing the dangerous face of COVID 19, fresh engineers ready to get employed are bothered about job opportunities in construction field. Considering the present scenario, Civil Engineering Association (ACEA) and ICI student chapter organized a webinar on “**Competency Skills Required for Employability- for a fresh civil engineering graduate in the current situation**” on 27th May 2020. Er. Shyju Nair, CEO DH academy, former technical head Ambuja cements interacted with final year civil engineering students through Google meet. Ms. Sneha M. P. of S8 CE. welcomed Er. Shyju Nair to deliver the session. In the session, he explained the importance of civil engineers in infrastructural develop-



ment and also about various job opportunities that will always be open, even after the pandemic. He has also discussed about the important skills that one must develop to work in a competitive world around. His experience in various companies and various challenges faced were shared with the participants. Mr. Anandu P A of S8 CE delivered vote of thanks. E-Certificate of participation was distributed to all participated.

Webinar on Career Prospects in Construction Project Management

A webinar on **Career Prospects in Construction Project Management** was organized for final year CE/ME/EEE students through Zoom Platform on 18th June 2020. Mr. Tony Jacob, Director & Principal Consultant - Constask Management Solutions LLP was the resource person. He enlightened the students on Construction Management Opportunities in Engineering, Procurement & Construction (EPC) Industry as far as the jobs are concerned and the scope of Construction Management. He explained the various opportunities for a fresher in this field alongside important skills required to excel in the construction field. He advised the students to achieve the performance factors such as knowledge, ability to accomplish a goal and personal effectiveness to achieve professional success. He also gave an idea about the placement rates of fresh graduates in various sectors of construction industry. The meeting came to an end following an interactive session with Kavitha Nair, Assistant Professor, XIME - Bangalore.



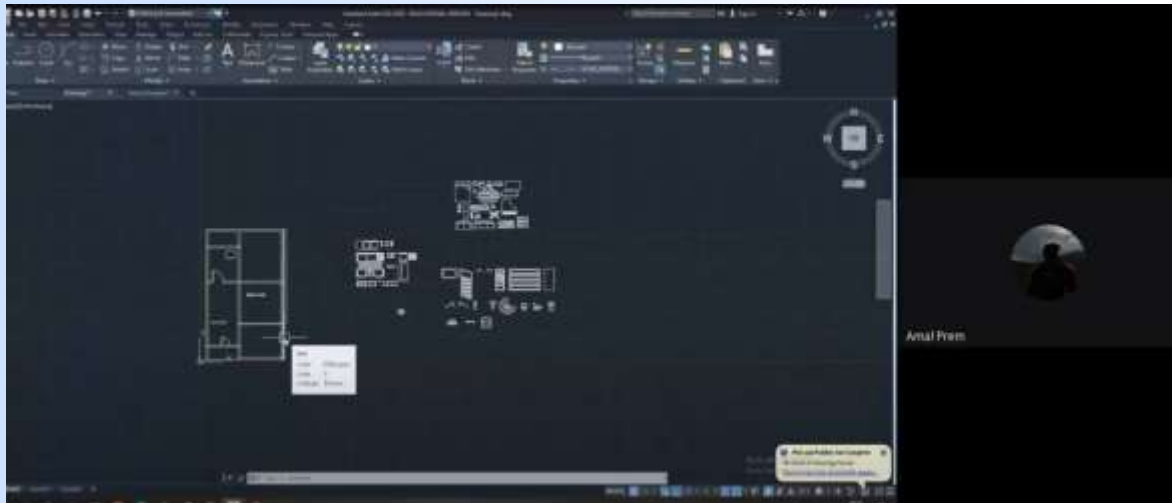
Training Programs

Department



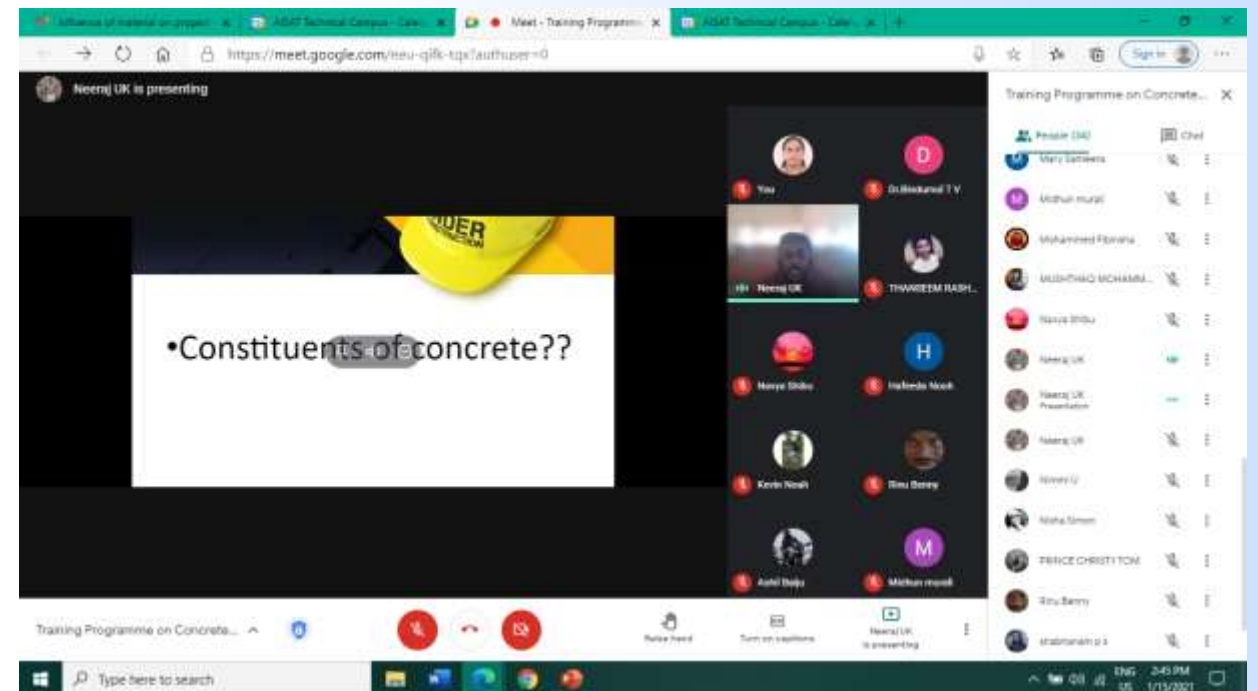
ONLINE WORKSHOP ON PREPARATION OF ENGINEERING DRAWINGS USING AUTOCAD

As a part of MoU with BIMLABS, Civil Engineering Department conducted a 3 days online workshop on “**Preparation of Engineering Drawings using AutoCAD**” from 25th – 27th November, 2020 exclusively for the students of AISAT. Mr. Amal Prem from BIMLABS handled the session through Google meet. The workshop started with the welcome speech by Asst. Prof. Rinku John. On the first day of workshop, introduction to AutoCAD and its Graphical User Interface, drawing tools and their usage in AutoCAD were explained. Next day the session remained with explanation of various modification tools used in AutoCAD, creation of rectangular, polar and path array etc. On the final day, students were taught to draw floor plans in AUTOCAD which was followed by a Q&A session. Through this workshop students got an ample opportunity to familiarize with AUTOCAD which will be very helpful for their career development. Asst. Prof. Manoj. S. Pillai delivered the vote of thanks. There was an active participation of more than 50 students in the workshop.



TRAINING PROGRAM ON CONCRETE MIX DESIGN-AS PER IS 2062-2019 ORGANIZED BY ACEA AND AISAT ICI STUDENT CHAPTER

A mix design workshop was conducted for S5 CE students on 15th January, 2021 to instill the codal practices to be followed while doing a concrete mix. The workshop was also done to convey the revised codal provisions as per IS 10262-2019. The sessions included Understanding Concrete ingredients and its properties, influence of ingredients on properties of concrete and Concrete mix design practice as per IS 10262 - 2019. The sessions were handled by Dr. Bindumol T V, Assoc. Prof. Liji Anna Mathew and Asst. Prof. Neeraj U K. The training was done online through Google meet platform. All S5 CE students attended the training program. The training program helped students to understand the step by step procedure of concrete mix design and also the influence of properties of different constituents on achieving a good concrete.



INAUGURATION OF AISAT CIVIL ENGINEERING ASSOCIATION AND RELEASE OF SRISHTI 2020

In the recent incidents in and around Kochi, the pollution level indications in Kochi are increasing at alarming rate. Tons of plastic wastes are burnt, releasing toxic gases to the atmosphere. The residents staying in the vicinity are exposed to severe health issues. On a long run, Kochi should not follow the path of Delhi. Pollution Control board has initiated awareness programs for Solid Waste Management and rules and regulations are stipulated by the central government. **Er. Baiju. M. A., Chief Environmental Engineer, Kerala State Pollution Control Board, Kochi** emphasized the importance of 3R's - Reduce, Reuse and Recycle to the civil engineering students while inaugurating the activities of Albertian Institute of Science & Technology, Civil Engineering Association (ACEA) on 20th February, 2020.

The Annual News Bulletin-'Srishti' of the Association was unveiled by the Chief Guest. Srishti unfolds the array of events conducted by the Association in the previous academic year. Logo of upcoming Cycle Marathon hosted by ACEA – 'Cyclothon 2020' to be held on 14th March, 2020 in Kochi with the message "Clean Earth Green Earth" was launched by Rev. Fr. Joseph Rajan Kizhavana, Associate Manager, AISAT. Dr. S. Jose, Principal, Prof. Paul Ansel V, Vice Principal, Prof. Liji Anna Mathew, Head of Department, Civil Engineering also enlightened the students about the necessity of bringing back a clean and green city. Ms. Shabna K Abdul Salam, President ACEA (S8 CE) welcomed the gathering. Ms. Aldia DCruz (S8 CE), Ms. Amrutha. A. J. (S6 CE), Ms. Nimmi. U. (S2 CE) were honoured with trophy and certificate for securing highest CGPA in the previous semester. Mr. Akzam Abdul Kareem (S8 CE) was awarded a cash prize for winning the Srishti Cover page design competition conducted by the ACEA. Ms. Daisy Manuval (S6 CE) was honoured with a certificate of 'Best Performer Award' for her performance in workshop – Advanced Surveying with Total Station and GIS, held during January, 2020 at AISAT. Ms. Krishnendhu. J. R, Vice President ACEA (S6 CE) delivered the vote of thanks and the meeting was concluded by 4.30 pm.



VOICE OF ACEA

INGENIOUS 2021

AISAT Civil Engineering Association (ACEA) in association with AISAT IEDC organized 'INGENIOUS 2021' – design project ideas and model exhibition on 28th Jan, 2021 from 2 pm to 4 pm at the workshop in D block. The exhibition offered a platform for the Batch 7 students to showcase their innovative ideas and one-off designs in various fields of civil engineering like sustainable construction practices, conservation of energy and resources, pollution control, accident prevention and road safety system.



Site Visit by Final Year M. Tech Students

To get a better understanding of the field investigation and ground improvement techniques, the final year M. Tech students visited a residential building site near Jawahar Nagar. The students got a clear insight of auger boring technique, standard penetration test and recommendations based on a particular soil condition. Standard penetration test is a crucial and most reliable field test to understand the soil properties before recommending the apt foundation / ground improvement technique. Frequent site visits will make the M. Tech students competent enough for their career as a consulting engineer.



AISAT - ICI Student chapter

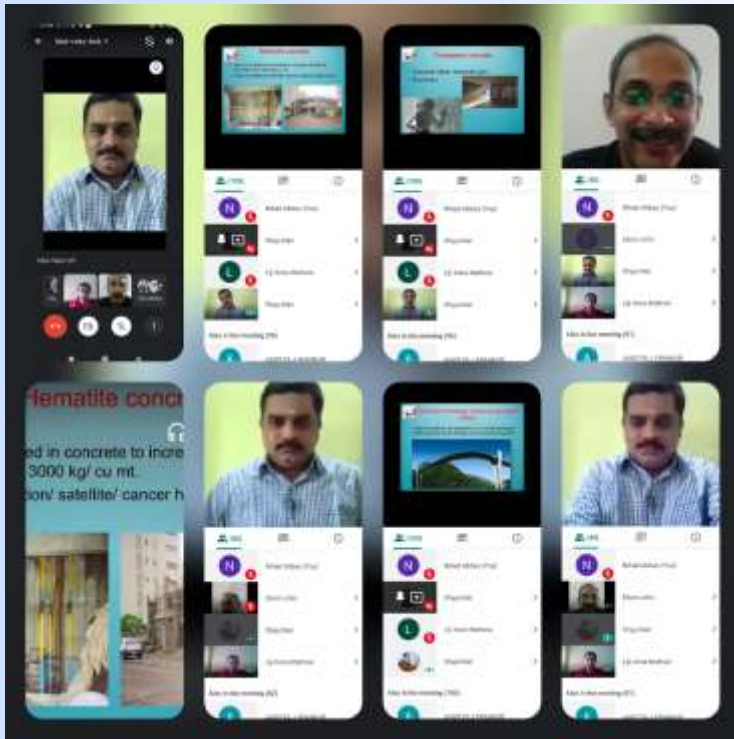
CONCRETE DAY CELEBRATION 2020 & TECHNICAL TALK ON “A JOURNEY THROUGH CONCRETE”

Concrete Day is celebrated every year on 7th September. This day marks the formation of Indian Concrete Institute (ICI). As part of concrete day celebration, AISAT Civil Engineering department, in association with AISAT ICI student chapter organized a technical talk on the topic 'A journey through concrete' through online platform on 7th September, 2020. The program started with a silent prayer followed

by welcome speech by Ms. Krishnendu J. R, S7 Civil Engineering. Dr. Elson John, Secretary, ICI Kochi, talked about concrete day and the various activities of Indian Concrete Institute. Er. Hemanth, ICI member also attended the session and graced the occasion. Session on 'A journey through concrete' was delivered by Er. Shyju Nair, CEO DH Academy. It was a very informative session in which he talked about different types of concrete, different methods of curing, different quality checks for concrete and many more.

There was an interactive session

at the end where students could interact with Er. Shyju Nair and clarify their doubts. The program was a great success with the active participation of both B. Tech & M. Tech students and faculty members. Ms. Fabitha K J and Ms. Sandra Arakkal of S5 CE were the moderators of the session. Around 105 students attended the session and advanced their knowledge about concrete technology. The program ended with vote of thanks by Nihad K Abbas of S3 CE.



INDUSTRY INSTITUTE INTERACTION

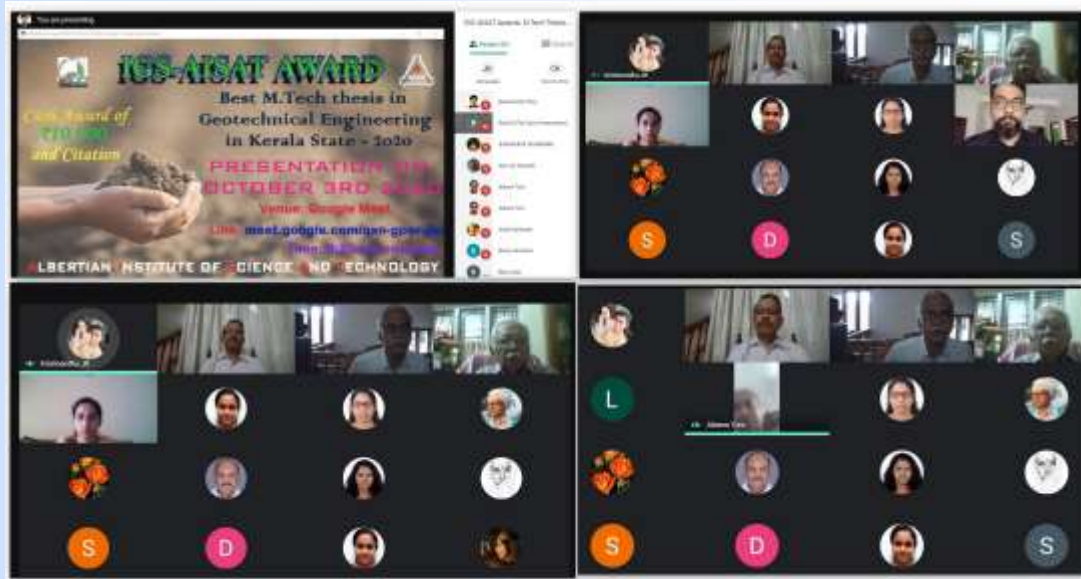
MOU SIGNED WITH BIMLABS



Department of Civil Engineering signed an MoU with BIMLABS on 4th November 2020. For AISAT, Manager Rev. Fr. Denny Mathew Peringatt and for BIMLABS, Mr. Shiju Sasidharan, CEO signed the document. With this MOU, AISAT and BIMLABS has become professional partners in exchanging knowledge and experience in Building Information Modeling. This joint venture will help Civil, Mechanical and Electrical Engineering students to get exposure to work in industries related to construction, HVAC, MEP etc. BIMLABS will conduct training programs, design contests etc. for the students of AISAT for a period of 3 years. Dr. S. Jose, Principal, AISAT, Prof. Dr. Benny Mathews Abraham, HoD, Dept. of Civil Engineering, Er. Vipin Alazhath, Director BIMLABS and Assoc. Prof. Liji Anna Mathew were present during the occasion.

INDUSTRY INSTITUTE INTERACTION

AISAT- IGS Award for Best M. Tech Thesis



This award instituted jointly by Indian Geotechnical Society (IGS) and Albertian Institute of Science and Technology (AISAT) is to promote research in the area of Geotechnical Engineering at post graduate level in Kerala. The main objective of the IGS – AISAT award competition, conducted annually for the M. Tech Civil Engineering students of Kerala state is to promote research in the area of Geotechnical Engineering. The IGS - AISAT Award Competition for the best M Tech thesis in Geotechnical engineering in Kerala was conducted on 3rd October 2020 through Google meet. The program started at 9.30 am with the address by Sri. M. D. Nair, Chairman, IGS Kochi Chapter, Dr. S. Jose, Principal, AISAT and Dr. Babu T Jose, Patron, IGS, Kochi Chapter. The selected finalists among 19 candidates presented their M. Tech thesis before the judges for the final evaluation. The 10 shortlisted participants were from CUSAT, Saintgits, IES and Marian Engineering College and they presented their work before the judges.

The presentations were judged by Dr. Anitha G Pillai, HoD, Civil Engineering Dept., SSET and Dr. Kavitha P E., Assoc. Professor, Civil Engineering Dept., FISAT. From the 10 presentations, the best 5 thesis were shortlisted and announced on the same day. The winners were awarded during a formal function at AISAT on 18th November 2020.

The best M. Tech thesis in geotechnical Engineering was awarded to Ms. Anjali Satheesh of Saintgits College of Engineering, Kottayam for “Design and study on the behavior of retrofitted piled raft system” guided by Dr. Hari G. The



award was presented to her by Assoc. Manager Rev. Fr. Joseph Rajan Kizhavana. Dr. Hari G was presented citation for guiding the student who secured the best M. Tech thesis. The authors of the best five thesis were honored with certificates of appreciation and mementos on the same day. This function was

graced by the presence of Dr. Babu T. Jose, Patron, IGS Kochi Chapter, Mr. M. D. Nair, Chairman, IGS Kochi Chapter, Dr. Benny Mathews Abraham, Vice Chairman, IGS Kochi Chapter & Head of Civil Engineering Department, AISAT, Dr. Anil Joseph, Honorary Secretary, IGS Kochi Chapter, Rev. Fr. Joseph Rajan Kizhavana, Associate Manager, AISAT and Dr. S Jose, Principal, AISAT.

INDUSTRY INSTITUTE INTERACTION

ProComp - Best B. Tech Project Competition

The seventh edition of Project competition for final year B. Tech students, ProComp 2019-20 was jointly organized by Graduates Association of Consultant Engineers (GRACE) and Department of Civil Engineering, AISAT. The presentation of the projects qualified to the final round of Procomp 2019-20 was held on 07th November 2020 in online mode . The sessions were enriched by the presence of Dr. Subha V, Professor, SOE, CUSAT and Er. Reji Zachariah, State executive member, GRACE. The Mokshagundam Visvesvaraya ever rolling trophy and a cash prize of Rs.15000/- for the best project was bagged by the team consisting of Ms. Ganga S.S, Ms.Thara Govind K R, Ms.Ganga P S, Ms. Gayathri S Nair of Mar Baselios College of Engineering and Technology, Trivandrum. The second prize winners were Ms. Noureen Mohamed Rafy, Mr. Althalif V I, Ms. Sruthy Mohanan, Mr. Ashkar K S of Adi Shankara Institute of Engineering and Technology, Kalady. Citations were awarded to the project guide of the winners. The winning teams were awarded, prize money, citation and certificates on 18th November, 2020 at AISAT.



Student Achievements

MOOC Courses Completed

B. Tech (Batch 2016-20)

- Amiya Regi, Aasiya Shamsudeen, Amrutha P. Sudheer, Anjana A., Ann Suhail. K, Chandana Saseendran, Lincy Fernandez, Rajalakshmi Rajesh, Sandra K. A., Unnimaya C. S., Deepu T. S. completed NPTEL course on “Plastic Waste Management” during March 2020.

B. Tech (Batch 2017-21)

- Amrutha A. J. and Sreeleskhmi N. S. completed NPTEL course on “Municipal Solid Waste Management” with Elite certificate during September - December 2020.
- Liya Saju, completed NPTEL course on “Municipal Solid Waste Management” during September - December 2020.
- Mathew A. Kurian, completed NPTEL course on “Geotechnical Engineering Laboratory” with Elite certificate during September - October 2020.

B. Tech (Batch 2018-22)

- Aswathi Shaju, Sandra Arakkal, Shabhanam P. S., Fabitha K. J. and Mary Sameera completed NPTEL course on “Glass Processing Technology” with Elite +Gold certificate during September - December 2020.
- Fathimathul Suhara completed NPTEL course on “River Engineering” with Elite certificate during September - December 2020.
- Angel Theresa successfully completed NPTEL course on “River Engineering” during September - December 2020.
- Mohammed Fabinsha M. K. completed NPTEL course on “Glass Processing Technology” with Silver certificate during September - December 2020.

M. Tech (Batch 2018-20)

- Jisha Jose, Abna P. M. and Fathima Rizana completed NPTEL course on “Plastic Waste Management” during March 2020.

Proud Achievers

Ashik Joy, Amal T David, Arya Tilak, Akheel and Farzana Fathima of 2015-19 batch and Deepu T S, Rony Thomas, Akzam Kareem, Antony M J and Rohith Reji of 2016-20 batch secured second prize (Rs.3000 and certificate) and third position (Rs.2000 and certificate) respectively in the concrete cube casting competition conducted by Indian Concrete Institute Kochi.



Prize receiving from Er. M. A. Joseph Chairman, ICI Kochi



Mr. Antony M J receiving best COVID Volunteer in Ernakulum award from Mrs. G Poonkuzhali, Deputy Commissioner of Police, Kochi City.



Mr. Sreevishnu Gangadharan of 2017-21 batch bagged first prize in CAD competition held at SNMIMT. Kochi.

Class Toppers



Ms. Aldia Dacruz of S8 Civil



Ms. Amrutha A. J. of S6 Civil



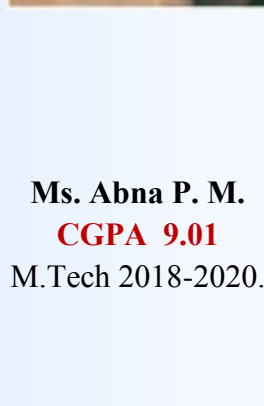
Ms. Nimmi U., S4 Civil

Academic Toppers

Ms. Aldia Dacruz
CGPA 8.41
B.Tech 2016-2020.



Ms. Lamya T.
CGPA 9.24
M.Tech 2018-2020.



Ms. Abna P. M.
CGPA 9.01
M.Tech 2018-2020.



Student's publications (Journals / Conferences)

- Athira N. (M. Tech 2017-2019 batch) published the paper titled “Behaviour of Concrete-Filled Fibre Tubes Under Axial Compression and Lateral Loading”, *Advances in Civil Engineering*, Vol 83, Lecture Notes in Civil Engineering, Springer, https://doi.org/10.1007/978-981-15-5644-9_5.
- Lamya T. (M. Tech 2018-2020 batch) published the paper titled “Analytical Assessment on the Behaviour of Conical Shell Foundation”, *Proceedings of SECON 2020, Vol 97, Lecture Notes in Civil Engineering, Springer*, https://doi.org/10.1007/978-3-030-55115-5_29.
- The paper titled “Mechanical Performance of Natural Rubber Latex Modified Mortars”, co-authored by Jisha Jose (M. Tech 2018-2020 batch) is accepted for publication in *Advances in Sustainable Construction Materials*, Vol 124, Lecture Notes in Civil Engineering, Springer.
- Jayalekshmi S. (S3 M. Tech), Anjana A. (S1 M. Tech), Lincy Fernandez (B Tech 2016-2020 batch) and Anooja Faustine (B Tech 2016-2020 batch) presented the paper titled "Laterite as a base and subbase material for flexible pavement - A Review" at the 2nd International Conference on ‘Innovative Trends in Engineering for Sustainability, ICITES-2021’ held during 9th to 11th Jan, 2021 at Toc H Institute of Science & Technology (TIST), Kochi.

Beyond Syllabus

Demonstration on Field Testing of Soil Using Standard Penetration Test

The B. Tech and M. Tech students were given demonstration on Standard penetration test (SPT), which is used to find the shear strength parameters of soil. The demonstration was carried out at the campus using the SPT setup in Geotechnical Engineering Laboratory. Dr. Benny Mathews Abraham, Professor and Head, Department of Civil Engineering enlightened the students about the significance of SPT in soil investigation. He also gave insight on other field testing equipment used for soil investigation during the session.



Placement news



AMRUTHA A J
S7 CE



DAISY MANUAL
S7 CE



KAVYA ANIYAN
S7 CE



LEOBA YEDHUKULAN
S7 CE

Amrutha A. J., Daisy Manuval, Kavya Aniyar, and Leoba Yedhukulan of 2017-21 batch received job offer from Sutherland during the recruitment drive conducted in online mode via Webex Platform on 13th February 2021

News from Students

B. Tech (Batch 2017-21)

- Anagha G, Athulya. M. D, Don Bosco, Krishna Priya P. R., Leoba Yedukulan, Nirmal George, Shalima Joy and Shifana V. S. of B. Tech (Batch 2017-21) attended 3 days online workshop on “Survey Camp - A virtual Experience” conducted by Valia Koonambaikulathamma College of Engineering and Technology, Paripally from 27th - 29th Jul, 2020.
- Anagha G, Athulya M. D., Jobina Jolly Thomas, Krishnapriya P. R., Leoba Yedukulan, Shalima Joy, Shifana V. S. and Aleena Baby of B. Tech (Batch 2017-21) attended 3 days online workshop on “Smart Solutions in Civil Engineering” conducted by SRM Institute of Science and Technology, Chennai.
- Aleena Baby completed 6 days Online AUTODESK course on “Drafting using AutoCAD 2020” from 15th – 20th Jun, 2020.

B. Tech (Batch 2018-22)

- Angel Theresa K. D. and Ashna Aiswarya L. K. attended “Ayush Yoga Quiz” organised by Ministry of Ayush on 21st Jul, 2020.
- Fathimathul Suhara attended webinar on “Yoga and meditation” organised by AISAT on 29th Aug, 2020.
- Fabitha. K. J, Aiswarya. K. A, Hafeeda Nooh and Mariya V. T. attended webinar on “Joy of Volunteering” organized by NSS, AISAT on 24th Sep, 2020.
- Aiswarya K. A., Hafeeda Nooh, Feba Handly, Freni James participated in the online quiz "VIGHNANA 2K20" at Adi Shankara Institute of Engineering and Technology on 15th Aug, 2020.
- Aiswarya K. A., Freni James and Mariya V.T. attended webinar on "A journey through concrete" organised by AISAT ICI student chapter on 7th Sep, 2020.
- Hafeeda Nooh and Ann Mary M. M. attended webinar on “Enhancement of Strength, Workability and slump retention in concrete through optimization of cement characteristics” by Indian Concrete Institute - Bangalore Centre on 3rd Aug, 2020.
- Fabitha K. J., Aswathi Shaju, Midhun murali, Mushthaq Muhammed, Angel Theresa K. D., Ajay krishna, Don Joseph and Akshay sabu attended online training programme on “Basics of Covid 19” on 6th May, 2020.
- Mary Sameera, Ann mary, Angel Theresa K. D., Ashly M. J., Hafeeda Nooh, Aswathi Shaju attended webinar on “Competency skills required for employability”, organised by AISAT on 27th May, 2020.
- Hafeeda Nooh, Ann Mary M. M. attended webinar on Construction for life - In the modern era of natural disasters organised by Royal College of Engineering and Technology, Akkikavu on 22nd Jul, 2020.
- Hafeeda Nooh, Feba Handly, Mariya V.T., attended Freedom Quiz organised by NSS, AISAT on 15th Aug, 2020.

B. Tech (Batch 2019-23)

- Mariya Rose, Maria Sneha, Aarcha S, Namitha Mary Tomy, Vigil Wilson, Evangela Henry and Tejus Nelson of S3 CE (2019-23) attended a webinar on ‘Basics of Structural Design’ organized by ICI Kochi Chapter on 4th Jun, 2020.

- Mariya Rose, Aarcha S and Maria Sneha of S3 CE (2019-23) attended a webinar on ‘TCS iON Industry Honor Certification (IHC) conducted by Tata Consultancy Services on 15th June 2020.
- Austin Severinus Basil of S3 CE (2019-23) is selected as one among the finalists in the quiz competition "WED QUIZ 2020 - International Quiz on Biodiversity "organized by St. Alberts, College (Autonomous) on 28th Jun, 2020.
- Austin Severinus Basil of S3 CE (2019-23) attended a national level webinar on “Role of civil service in crisis management” organized by St. Albert's College Autonomous, Ernakulum on 26th Apr, 2020.
- Evangela Henry of S3 CE (2019-23) participated in an online national level quiz competition “Fit India Quiz” conducted by Ministry of Youth Affairs and Sports on 16th Feb, 2020.

M. Tech (Batch 2018-20)

- Jisha Jose and Daniya M.T, M. Tech (batch 2018-20) attended online course on Advanced Concrete Technology organized by ICI, Kochi Center 16th May to 14th Jun, 2020.

M. Tech (Batch 2019-21)

- Christeena Regin James, Jayalakshmi. S and Jisna P. U. attended online course on Advanced Concrete Technology organized by ICI, Kochi Center 16th May to 14th Jun, 2020.
- Christeena Regin James, Jayalakshmi. S and Jisna P. U. attended six day online FDP on "Research Avenues in Transportation Engineering”, organized by Dept. of Civil engineering, AISAT.
- Christeena Regin James, Jayalakshmi. S and Jisna P. U. attended session on "Introduction to forensic civil engineering", Quality improvement program for engineers and supervisors organized by Construction Philosophy.
- Christeena Regin James, Jayalakshmi. S and Jisna P. U. attended session on "Introduction to Earth retaining structures", Quality improvement program for engineers and supervisors organized by Construction Philosophy.
- Christeena Regin James attended webinar on "Performance based specifications for RCC Structures" by ICI Kochi Centre & MAHA cement.
- Christeena Regin James attended webinar on "Fiber reinforced polymers for retrofitting of structures" by Dr. H. Sharma.
- Christeena Regin James attended webinar on "Principles of concrete mix design" by DH Academy.
- Jisna P U attended a webinar on "Quality control for construction works - challenges and solutions" conducted by Kerala highway research institute, PWD, Govt. of Kerala.

News from Faculty

Journal Publications

Dr. Benny Mathews Abraham

- “Effect of organic matter on the shear strength of lime-stabilised clayey soils”, *Journal of Ground Improvement, Institution of Civil Engineers –London*, <https://doi.org/10.1680/jgrim.20.00055>. (Co-author)
- “A Critical Re-Examination of the Factors Influencing Determination of Organic Matter in Soils”, *Geotechnical and Geological Engineering*, <https://doi.org/10.1007/s10706-021-01758-3>. (Co-author)

Assoc. Prof. Veena V.

- “Effect of partial replacement of bentonite with biochar in liner soils”, *Biomass Conversion and Biorefinery*, <https://doi.org/10.1007/s13399-021-01319-x>.

Asst. Prof. Rahul R Pai

- “Structural evaluation of flexible pavement constructed with steel slag-fly ash-lime mix in base layer”, (Forthcoming), *Journal of Materials in Civil Engineering, ASCE*, 10.1061/(ASCE)MT.1943-5533.0003711.
- Applicability of utilizing stabilized native soil as a subbase course in flexible pavement, *Indian Geotechnical Journal, Springer*, <https://doi.org/10.1007/s40098-020-00432-4>.

Conference Proceedings

Assoc. Prof. Liji Anna Mathew

- “Mechanical Performance of Natural Rubber Latex Modified Mortars, (Forthcoming), *Advances in Sustainable Construction Materials, Vol 124, Lecture Notes in Civil Engineering, Springer*.
- “Behaviour of Concrete-Filled Fibre Tubes Under Axial Compression and Lateral Loading”, *Advances in Civil Engineering, Vol 83, Lecture Notes in Civil Engineering, Springer*, https://doi.org/10.1007/978-981-15-5644-9_5. (Co-author)

Asst. Prof. Rahul R Pai

- “Field evaluation of road pavement constructed with waste materials through nondestructive testing”, *Materials Today: Proceedings, Elsevier*, <https://doi.org/10.1016/j.matpr.2020.04.146>. (Co-author)

Asst. Prof. Sheeja M. K.

- “Analytical Assessment on the Behaviour of Conical Shell Foundation”, *Proceedings of SECON 2020, Vol 97, Lecture Notes in Civil Engineering, Springer*, https://doi.org/10.1007/978-3-030-55115-5_29. (Co-author)

FDP / STTP attended

Asst. Prof. Aleena Tom

- ATAL online FDP on "Earthquake Engineering", organized by National Institute of Teachers Training and Research, Chennai on 21st to 25th Sep, 2020.
- ATAL online FDP "Environmental Geotechnology", organized by University Institute of Engineering and Technology on 4th to 8th Jan, 2021.
- FDP on "Geosynthetics Testing Laboratory", organized by NPTEL and IIT Bombay on Sep - Oct 2020 (4 week course).
- FDP on “Recent Research avenues in Geotechnical and Geological Engineering” organized by RSET on 17th to 22nd Aug, 2020.
- FDP on “Research Avenues in Transportation Engineering”, organized by Dept. of Civil Engineering, AISAT on 10th to 15th Aug, 2020.
- Online Workshop on "Concrete Mix Proportioning", organized by Ultra Tech Cement on 26th Jul, 2020.
- Online Course on “Advanced Concrete Technology” organized by ICI Kochi from 16th May to 14th Jun, 2020.
- FDP on “Enhancing Civil Engineering Proficiency”, organized by Government Polytechnic College, Chelakkara on 18th to 20th May, 2020.

Asst. Prof. Aswathy.M.Mohan

- ATAL Online FDP on “Waste technology”, organized by L.D.College of Engineering on 2nd to 6th Nov, 2020.
- FDP on “Urban Mobility: Challenges and Opportunities”, organized by TKM College of Engineering, Kollam on 8th to 14th Sep, 2020.
- FDP on "Civil Engineering Structures Subjected To Vibrations" organized by RIT, Bangalore on 2nd to 4th Sep, 2020.
- FDP on “Transportation Geotechnics ”organised by LBS Institute of Technology for women,Thiruvananthapuram on 15th to 19th Feb, 2021.

Dr. Bindumol T.V.

- ATAL Online FDP on "Concrete Technology and Sustainable Construction Practices", organized by Government Engineering College, Dahod from 21st to 25th Sep, 2020.
- FDP on “Research Avenues in Transportation Engineering”, organized by Department of Civil Engineering, AISAT from 10th to 15th Aug, 2020.
- STTP on “Outcome Based Education for Technical Institutions- Phase II: Outcome Base Education & Autonomy”, organized by Rajagiri School of Engineering & Technology and AICTE Sponsored (AQUIS), Kochi on 16th to 21st Nov, 2020.

News from Faculty

FDP / STTP attended

Assoc. Prof. Liji Anna Mathew

- AICTE sponsored Exam reforms workshop on 12th, 13th and 15th Feb 2021 and served as panelist to present Sample Question paper (MOS).
- ATAL Online FDP on “Soft Computing Techniques”, organized by Government Engineering College, Surat on 02.11.2020 - 06.11.2020.
- FDP on “Guidelines for Genuine Evaluation of Examination Answer Sheets”, organized by Ahalia School of Engineering, Palakkad on 16.08.2020.
- FDP on “Authors Conclave”, organized by Dept. of Civil Engineering SRMIST, Chennai on 11.08.2020.
- FDP on “Research Avenues in Transportation Engineering” organized by Dept. of Civil Engineering, AISAT on 10.08.2020 - 15.08.2020.
- FDP on “Know Everything Related to Research”, organized by Illahia College of Engineering & Technology on 23.07.20 - 28.07.20.
- STTP on “Paradigm Shift in Outcome Based Education Assessment and Evaluation Practices for Engineering Graduates”, organized by Amal Jyoti Engineering College sponsored by AICTE on 19.10.2020 – 24.10.2020.
- Short term Flash Course on “Forensic Structural Engineering”, organized by Construction Philosophy on 15.7.2020 - 27.7.2020.
- Online Course on “Advanced Concrete Technology”, organized by ICI Kochi on 16.5.2020 - 14.6.2020.
- Workshop on “Concrete Mix Design”, organized by DH Academy from 10.11.2020 - 12.11.2020.
- Attended Praphulla Kumar Lecture Series on 21.11.2020.

Asst. Prof. Manoj.S.Pillai

- FDP on “Urban Mobility: Challenges and Opportunities”, organized by TKM College of Engineering, Kollam on 8.9.2020 - 14.9.2020
- FDP on “Research Avenues in Transportation Engineering”, organized by Dept. of Civil Engineering, AISAT on 10.08.2020 - 15.08.2020.
- ATAL Online FDP on "Concrete Technology and Sustainable Construction Practices", Government Engineering College, Dahod on 21.09.2020 - 25.09.2020.
- ATAL Online FDP on "Strategic Civil Infrastructure", at DR. S. & S. S. Gandhi Government Engineering College, Surat on 23.11.2020 – 27.11.2020.

Asst. Prof. Rahul R Pai

- FDP on “Transportation Geotechnics ”organised by LBS Institute of Technology for women, Thiruvananthapuram from 15.02.2021-19.02.2021.
- ATAL Online FDP on "Construction Technology", at Rajiv Gandhi University of Knowledge Technologies on 7.9.2020 - 11.9.2020.
- FDP on “Bridging the Gap: Theory and Practices in Pavement Engineering”, organized by Department of Civil Engineering, Saintgits College of Engineering on 24.08.2020 - 28.08.2020.
- FDP on “Research Avenues in Transportation Engineering”, organized by Department of Civil Engineering, AISAT on 10.08.2020 - 15.08.2020.
- Online Course on “Advanced Concrete Technology”, organized by ICI Kochi on 16.5.2020 - 14.6.2020.

Asst. Prof. Rinku John

- ATAL Online FDP on “GIS and Remote sensing”, organized by University college of Engineering, Kakinada on 04.01.2021 - 08.01.2021.
- FDP on "Civil Engineering Structures Subjected to Vibrations", organized by RIT, Bangalore on 2.9.2020 - 4.9.2020.
- STTP on “Modelling and simulation using MATLAB”, organized by Department of EEE, GMIT, Guwahati on 24.07.2020 - 28.07.2020.
- STTP on "Recent Advancements in Structures and Materials", organized by Muthoot Institute of Technology and Science on 15.12.2020 - 17.12.2020.
- FDP on “Research Avenues in Transportation Engineering”, organized by Department of Civil Engineering, AISAT on 10.08.2020 - 15.08.2020.

Asst. Prof. Saranya Das K

- DTE sponsored FDP on “WEB GIS Enabled Spatial Information System “, organized by TPLC, Govt. Engg College, Bsrton Hill on 08.02.2021 - 18.02.2021.
- ATAL Online FDP on “GIS and Remote sensing”, organized by University college of Engineering, Kakinada on 04.01.2021 - 08.01.2021.
- FDP on "Professional Ethics", organized by Department of Civil Engineering, Providence College on 10.08.2020 - 14.08.2020.
- FDP on “Research Avenues in Transportation Engineering”, organized by Department of Civil Engineering, AISAT on 10.08.2020 - 15.08.2020.
- FDP on “Role of Civil Engineers in Sustainable Development”, organized by MBITS in association with ASAP on 14.07.2020 - 16.07.2020.

News from Faculty

FDP / STTP attended

Asst. Prof. Savitha Stanly

- FDP on “Transportation Geotechnics”, organised by LBS Institute of Technology for women, Thiruvananthapuram from 15.02.2021 - 19.02.2021.
- ATAL Online FDP on "Infrastructure Engineering", organized by NIT, Karnataka on 21.09.2020 - 25.09.20.
- FDP on “Outcome Based education with Assessment and Evaluation”, organized by Sahradaya College of Engineering sponsored by AICTE on 23.11.20 - 28.11.2020.
- FDP on “Research Avenues in Transportation Engineering”, organized by Department of Civil Engineering, AISAT on 10.08.2020 - 15.08.2020.
- FDP on “Sustainable Engineering”, organized by Ahalia Palakkad ISTE Chapter from Aug 2020 - Nov 2020.
- STTP on “Recent Advances in Pavement Material Testing and Design”, organized by MNMJEC sponsored by AICTE from 17.08.2020 - 22.08.2020.

Asst. Prof. Sheeja M.K

- ATAL Online FDP on “GIS and Remote sensing”, organized by University college of Engineering, Kakinada from 04.01.2021 - 08.01.2021.
- FDP on “Outcome-based Education and Autonomy-Phase II”, organized by RSET from 16.11.2020 – 21.11.2020.
- FDP on “Research Avenues in Transportation Engineering”, organized by AISAT from 10.08.2020-15.08.2020.
- FDP on “Role of Civil Engineers in Sustainable Development”, organized by MBITS in association with ASAP from 14.07.2020 - 16.07.2020.
- online course on “MATLAB Onramp”, organized by Mathworks during May 2020.
- STTP on "Recent Advancements in Structures and Materials", organized by Muthoot Institute of Technology and Science from 15.12.2020-17.12.2020.
- STTP on "Emerging Trends and Practices in Pavement Geotechnics", organized by TKM Engineering College and sponsored by TEQIP II from 01.09.2020 - 06.09.2020.
- STTP on “Modeling and simulation using MATLAB”, organized by Department of EEE, GMIT, Guwahati from 24.07.2020-28.07.2020.
- FDP on "Geotechnical Engineering Laboratory", organized by NPTEL during Sep - Oct 2020.

Asst. Prof. Sree Lekshmi G. S

- AICTE sponsored online Short Term Training Program (STTP) on GUIDANCE AND COUNSELLING organised by St.Joseph's College of Engineering and Technology, Palai from 8.02.2021 to 13.02. 2021
- ATAL Online FDP on “Waste technology”, organized by NIT, Warangal from 04.01.2021 - 08.01.2021.
- ATAL Online FDP on “Green technology and Sustainability engineering”, organized by Punjab Engineering College, Punjab from 5.10.2020 - 9.10.2020.
- FDP on “Outcome-based Education for Technical institution- Phase I”, organized by RSET from 14.10.2020-20.10.2020.
- FDP on “Novel Perspectives in Electrochemical Processes for Chemical And Environmental Engineering”, organized by TKM College of Engineering, Kollam on 12.10.2020 - 17.10.2020.
- FDP on “Research Avenues in Transportation Engineering”, organized by AISAT from 10.08.2020 - 15.08.2020
- FDP on “Research Opportunities in Environmental Engineering”, organized by Bharati Vidyapeeth, College of Engineering, Pune from 20.07.2020 - 25.07.2020.
- FDP on “Role of Civil Engineers in Sustainable Development”, organized by MBITS in association with ASAP from 14.07.2020 - 16.07.2020.
- STTP on “Research Methodology”, organized by Amal Jyothi College of Engineering on 28.05.2020 - 30.05.2020.

MOOC / NPTEL courses completed

- Asst. Prof. Aleena Tom passed NPTEL Course (with recognition of one among the top-pers of the Course) on “Geosynthetics Testing Laboratory”, during Sep - Oct, 2020.
- Asst. Prof. Sheeja M.K passed NPTEL course with Elite certificate on “Geotechnical Engineering Laboratory”, during Sep - Oct, 2020
- Asst. Prof. Sree Lekshmi G. S passed NPTEL Course on “Electronic waste management- Issues and challenges”, during Jan - April, 2020.
- Asst. Prof. Rinku John passed NPTEL Course with Elite certificate on “Basics of Finite Element Analysis-I”, during Sep - Oct, 2020.

News from Faculty

Faculty Achievements

Prof. Dr. Benny Mathews Abraham

- Visited two institutions as a member of the NAAC Peer team in the months of January and February 2021.

Prof.Dr.Bindumol T V

- Served as resource person for the Training program on Concrete Mix Design as per IS 10262-2019 conducted by ACEA and ICI Student Chapter, AISAT on 15th Jan, 2021.
- Acquired membership in IGS - Kochi Chapter.

Assoc. Prof. Liji Anna Mathew

- Presented Paper Titled “Performance of Natural Rubber Latex modified mortars” in the National Conference on Advances in Sustainable Materials, NIT Jamshedpur on 04.08.2020.
- Served as a Resource person for the FDP on “Enhancing Civil Engineering Proficiency”, organized by Government Polytechnic College, Chelakkara on 18.05.2020.
- Served as a Resource person for online course on “Advanced Concrete Technology”, organized by Indian Concrete Institute on 06.06.2020.
- Served as a Panelist for Webinar on “Demolition of Living Structures”, organized by ICI Kochi in association with Construction Philosophy on 09.05.2020.
- Served as a Course Coordinator for the National level (35 hours) Webinar Course on “Advanced Concrete Technology”, organized by ICI Kochi on 16.05.2020-14.06.2020.
- Served as a Co-organizer of the Webinar on “Principles of Concrete Mix Design”, organized by ICI Kochi on 11.09.2020.
- Served as resource person for the Training program on Concrete Mix Design as per IS 10262-2019 conducted by ACEA and ICI Student Chapter, AISAT on 15th Jan, 2021.
- Served as panelist for presenting a question paper on Examination reforms workshop organized by AICTE on 15th February 2021.
- Acquired membership in IGS-Kochi Chapter.

Asst. Prof. Rahul R. Pai

- Served as a Resource person for 6-Day Online FDP - "Research Avenues in Transportation Engineering" organized by Department of Civil Engineering, AISAT on 12.08.2020.
- Upgraded as Associate member of American Society of Civil Engineers and acquired membership in Institution of Engineers, India.

Asst. Prof. Aswathy.M.Mohan

- Delivered talk on “Universal Human Value”, as part of Students Induction Programme for 1st year students on 04.12.2020.

Asst.Prof.Neeraj U K

- Served as resource person for the Training program on Concrete Mix Design as per IS 10262-2019 conducted by ACEA and ICI Student Chapter, AISAT on 15th Jan, 2021.
- Delivered talk on “Universal Human Value”, as part of Students Induction Programme for 1st year students on 04.12.2020.

Asst. Prof. Sheeja M K, Asst. Prof. Rinku John, Asst. Prof. Savitha Stanly and Asst. Prof. Rahul R Pai prepared academic videos for AISAT Youtube channel.

Webinars attended

Asst. Prof. Aleena Tom

- Webinar on “Competency skills required for employability”, organized by AISAT on 27.05.2020.
- International Webinar on “Communicative English skills for Engineering Faculty and Students”, organized by MBITS in association with TCS and ASAP from 28.06.2020 - 30.06.2020.
- Webinar on “Landslides-Causes and Mitigation measures”, organized by Amal Jyothi College of Engineering on 09.07.2020.
- Webinar on “Hot & Cold weather Concreting” organized by QCRETE READYMIX PVT Ltd. on 27.06.2020
- National Webinar on “Project Proposals Preparation and Funding Opportunities”, organized by Department of Civil Engineering in association with ISTE Saintgits Chapter on 30.07.2020.
- Webinar on "Effective use of concrete in RCC structures" organized by QCRETE READYMIX PVT Ltd. on 11.07.2020.
- Webinar on “Relevances and Avenues in Civil Engineering”, organized by Amal Jyothi College of Engineering on 10.07.2020.
- Webinar on " Geotechnical Engineering-Theory and Practice", organized by KCT College, Coimbatore from 13.07.2020 - 20.07.2020.

News from Faculty

Webinars attended

Asst. Prof. Aswathy. M. Mohan attended Webinar on “International Construction Practices- Concepts to reality” on 17.12.2020.

Dr. Bindumol T.V.

- Webinar on “Online Tools for Researchers”, organized by Department of EEE, AISAT, Kalamassery on 07.07.2020
- Webinar on “Scientific Publishing”, organized by Mar Baselious College of Engineering and Technology, Trivandrum on 10.07.2020.
- Webinar on “Analysis & Design of Liquid Retaining Structures”, organized by Association of Consulting Civil Engineers (India), Goa Centre on 23.06.2020.
- Webinar on “Funding Projects, Consultancies And Book Writing”, by Dr. D. P. Kothari, Former VC, VIT University on 08.07.2020
- Webinar on “Virtual Labs: Effective tool for teaching and learning”, organized by NITK Surathkal on 10.7.2020
- Webinar on "Sustainability in Buildings and Built Environment as per NBC 2016" on 12.06.2020.

Assoc. Prof. Liji Anna Mathew

- Webinar on “Energy Analytics in Infrastructure Building”, organized by St. Joseph's College, Chennai on 31.7.2020.
- Webinar on “Cancer in Female: Awareness, Screening and Prevention”, organized by IQAC Women Cell, Cambridge Institute of Technology on 17.6.2020.
- International Webinar on “Health Monitoring of Structures through Instrumentation” organized by ICI & Bennett University on 18.7.2020.
- Webinar on “Online Tools for Researchers” organized by Department of EEE, AISAT, Kalamassery on 7.7.2020.
- Webinar on “Engineering Your Way to Success”, organized by Department of ME, AISAT, Kalamassery on 23.6.2020.
- Webinar on “E-Readiness by Educational Institutions during Covid-19”, organized by Dept of CSE, RSET on 21.7.2020.
- Attended webinar on Recent advances of the use of recycled aggregates produced from C&D waste, organized by ICI, on 25.11.2020.
- Webinar on applications of AI in prediction of properties of concrete, organized by Ultratech Cement on 27.11.2020.

- QIP programme for Engineers and Supervisors -Introduction to Earth Retaining Structures organized by BAI on 15.02.2021
- Webinar on “Climate-Change: Imperative Concrete Understanding and Practice” organized by ICI Gaziabad Centre on 15.01.2021.
- QIP programme for Engineers and Supervisors -Introduction to Forensic Civil Engineering organized by BAI on 02.03.2021
- Webinar on Testing Techniques for Self Compacting Concrete organized by ICI Gaziabad Centre on 06.03.2021.

Asst. Prof. Manoj S Pillai

- Webinar on “Competency skills required for employability”, organized by AISAT on 27.05.2020.
- Webinar on “Pseudo- scientific Practices in Civil Engineering”, organized by Vimal Jyothi Engineering College on 08.08.2020.
- Webinar on “Relevance and Avenues in Civil Engineering”, organized by Amal Jyothi College of Engineering on 10.07.2020.
- Webinar on “Precast construction for Affordable Housing”, organized by Mar Baselious College of Engineering and Technology on 06.08.2020.
- Webinar on “Effective use of Concrete in RCC Structures”, organized by Qcrete Readymix on 11.07.2020
- Webinar on “Hot and cold weather concreting”, organized by Qcrete readymix on 26.06.2020.
- Webinar on “Hydraulic Model Studies in Coastal Engineering Development Projects”, organized by JSS Academy of Technical Education, Bengaluru on 04.07.2020.

Asst. Prof. Neeraj .U.K

- Webinar on “Pseudo- scientific Practices in Civil Engineering”, organized by Vimal Jyothi Engineering College on 08.08.2020.
- Webinar on “Relevance and Avenues in Civil Engineering”, organized by Amal Jyothi College of Engineering on 10.07.2020.
- Webinar on “Hydraulic Model Studies in Coastal Engineering Development Projects”, organized by JSS Academy of Technical Education, Bengaluru on 04.07.2020.
- Webinar on “Scientific Publishing”, organized by Mar Baselious College of Engineering and Technology, Trivandrum on 10.07.2020.

News from Faculty

Webinars attended

Asst. Prof. Rahul R Pai

- International Webinar on “Utilization of Iron and Steel Slag in Road Construction”, organized by CSIR-Central Road Research Institute, New-Delhi on 24.04.2020 - 25.04.2020.
- IEI Technical webinar on “Design and construction of ecofriendly flexible pavements” on 25.02.2021.

Asst. Prof. Rinku John

- Webinar on "An Insight into the Design of Metro Tunnels", organized by MEA Engineering College, Perinthalmanna on 16.05.2020.
- Webinar on “Demolition of Living structures”, organized by Construction Philosophy on 09.05.2020.
- Webinar on “Application of CFD in Industry”, organized by AISAT on 11.06.2020.
- Webinar on “Online Tools for Researchers”, organized by Department of EEE, AISAT, Kalamassery on 07.07.2020
- Webinar on “Competency Skills required for Employability”, organized by AISAT on 27.05.2020.

Asst. Prof. Savitha Stanly

- Webinar on “Competency Skills required for Employability”, organized by AISAT on 27.05.2020.
- Webinar on “NPTEL E-Awareness”, organized by NPTEL and Vedavyasa Institute of Technology on 22-07-2020.
- IEI Technical webinar on “Design and construction of ecofriendly flexible pavements” on 25.02.2021.

Asst. Prof. Sheeja M.K

- Webinar on “Competency Skills required for Employability”, organized by AISAT on 27.05.2020.
- Webinar on "An Insight into the Design of Metro Tunnels", organized by MEA Engineering College, Perinthalmanna on 16.05.2020.
- Webinar on “Online Tools for Researchers” organized by Department of EEE, AISAT, Kalamassery on 7.7.2020.

- International Webinar on “Communicative English skills for Engineering Faculty and Students”, organized by MBITS in association with TCS and ASAP on 28.06.2020 - 30.06.2020.
- Webinar on “Landslides-Causes and Mitigation measures”, organized by Amal Jyothi College of Engineering on 09.07.2020.
- Webinar on “Scientific Publishing”, organized by Mar Baselious College of Engineering and Technology, Trivandrum on 10.07.2020.
- Webinar on “Effective use of Concrete in RCC Structures”, organized by Qcrete Ready-mix on 11.07.2020.
- National Webinar on “Quality Enhancement in Higher Education Institutions”, organized by MBITS, Kothamangalam on 10.12.2020 - 11.12.2020.

Asst. Prof. Sree Lekshmi G. S

- Webinar on "An Insight into the Design of Metro Tunnels", organized by MEA Engineering College, Perinthalmanna on 16.05.2020.
- Webinar on “Competency Skills required for Employability”, organized by AISAT on 27.05.2020.
- Webinar on “Impactment Assessment process”, organized by FISAT on 22.06.2020
- Webinar on “Research workshop”, organized by BIRDS on 25.06.2020-29.06.2020
- International Webinar on “Communicative English skills for Engineering Faculty and Students”, organized by MBITS in association with TCS and ASAP on 28.06.2020 - 30.06.2020.
- Webinar on “Landslides-Causes and Mitigation measures”, organized by Amal Jyothi College of Engineering on 09.07.2020.
- Webinar on “Underground structures for rapid transport”, organized by Vivekanada Institute of Technology, Bengaluru on 10.07.2020.
- Webinar on “Application on GIS”, organized by Kumaraguru College of Engineering on 11.07.2020.
- Webinar on" Geotechnical Engineering-Theory and Practice", organized by KCT College, Coimbatore on 13.07.2020 - 20.07.2020.
- Webinar on “Waste to Wealth”, organized by Kumaraguru College of Technology on 30.09.2020.
- Webinar on “Precast construction for Affordable housing”, organized by MBCET on 06.08.2020.



It would be difficult to sum up four years at AISAT in just few lines. I must say that the learning and exposure which AISAT gives is just commendable. The faculty is just amazing and they stand by you from the first day to the end of placement days. Apart from the curriculum, there are a lot of opportunities for students to showcase their talents. I would always be grateful to AISAT for giving me multi-dimensional learning by providing the apt mix of academics, attitude and leadership. The professors are all dedicated experts and helpful in their respective subjects. I will always cherish the feeling of studying at an institute which focused on career enhancements along with overall skill development.

Anandu P A
B.Tech Alumnus 2016-2020



I completed my M. Tech from AISAT in Geomechanics and Structures, which is a unique I course that covers both the main streams of civil engineering. My two years life at AISAT aided me to improve and strengthen academically and personally. I am really grateful to all my teachers for their guidance. I can definitely say that AISAT is a good platform for one to develop academic knowledge and skills with all the necessary facilities.



LAMYA.T
M.Tech Alumnus 2018-2020

Our department has always tried to push me out of my comfort zone by motivating and inspiring me to coordinate different programs throughout and now at this moment I can proudly say that those "pushing" definitely made me a better version of myself. Constant support and effective methods of teaching both in academics and extra curricular activities helped a lot of students in a completely different level in different aspects. Forever grateful for providing such a learning platform irrespective of different calibers of students.

Shabna K Abdulsalam
B.Tech Alumnus 2016-2020



2016-2020, the most memorable 4 years of my life. My college life was very much different from what I had imagined about it. It was clear that I joined for engineering, but after these years I'm not just an engineer, I have learnt a bit more than engineering and AISAT has played a vital role in it. Joining the college in 2016 and leaving the same campus in 2020 has two emotions, very much different and opposite enough. Thanking AISAT for these most memorable years of my life and to the people who contributed to these moments.

Special mention to all the teachers who have molded me to what I am today. THANK YOU AISAT.



Rinta Anto
B.Tech Alumnus 2016-2020



M. Tech - 2018-2020

adios...



B. Tech - 2016-2020



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