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International Events

International Webinar | 8 February 2022

ASCE India Section Southern Region in association with Department of Civil Engineering, **KPR Institute of Engineering and Technology, Coimbatore** and **Indian Geotechnical Society** jointly organized a Webinar Lecture Series on “Towards better practices in Geotechnical Engineering” on 8th February 2022.

WELCOMES
Guest of Honor
Dr. ELIAS B SAYAH
 Director Region 10, ASCE
 President & CEO
 Sayah Engineering
 Middle East

for
Lecture Series I

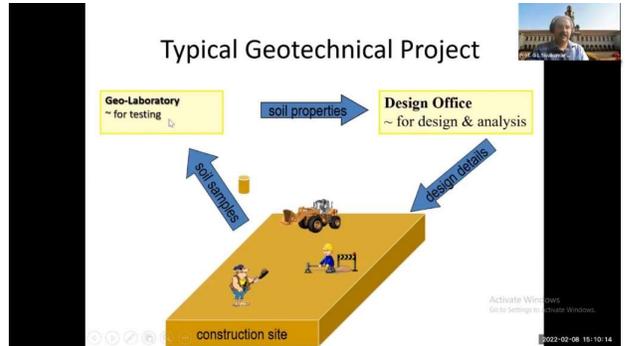
Date : 08.02.2022 Time : 03.00 PM IST

Department of Civil Engineering
Organizes
Lecture Series I
 (Academic)
Towards better practices in Geotechnical Engineering

Resource Person
Dr. G L Sivakumar Babu
 Professor, Department of Civil Engineering
 Indian Institute of Science(IISc) - Bangalore
 Governor, Region 10, ASCE 2014-2020

Date : 08.02.2022
Time : 03.00 PM

Convenor
Dr. G. Anusha
 Professor & Head - Civil



Webinar lecture series is focused to make the students aware on the better practices in Geotechnical Engineering like workflow in geotechnical projects and the challenges in practice, thrust areas, design challenges, measures of safety and performance, application of geosynthetics, innovative approaches and opportunities in Geotechnical Engineering.

Dr. G. Anusha, Professor & Head, Department of Civil Engineering welcomed the gathering. Guest of Honor, **Dr. Elias B. Sayah**, Director, Region 10, ASCE and **Er. Narsimha Chary Poloju**, President ASCE India Section Southern region felicitated the gathering.

Technical lecture was presented by **Dr. G. L. Sivakumar Babu**, Governor Region 10, ASCE 2014-2020, Professor of Geotechnical Engineering in the Department of Civil Engineering, Indian Institute of Science (IISc) and he cleared the doubts raised by the

students at the end of session. Finally, **Mr. S. Elavarasan**, Assistant Professor (Sr.G) Civil, Coordinator of the program proposed the vote of thanks. Total of 30 faculty and 121 students from five different states attended the program.

Key Takeaways:

1. Narrated the importance of the Soil mechanics and Foundation Engineering and workflow in a Geotechnical project.
2. Elaborated the challenges in practice and research & practice gap exists in India
3. Explained the step-by-step procedure of Geotechnical investigation and Design challenges with risk and reliability-based design.
4. Illustrated the measures of safety and performance, innovative approaches and opportunities in Geotechnical Engineering

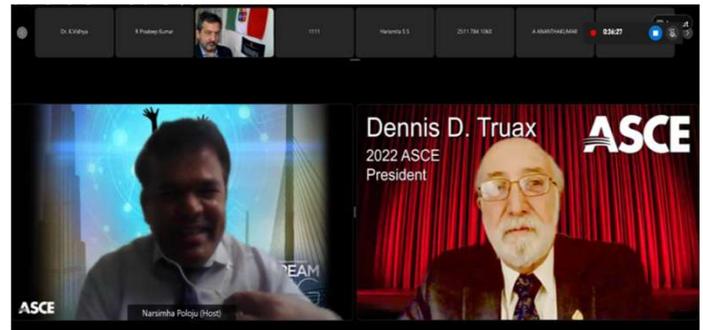
International Events

1st International Webinar Series on Recent Advancements in Enviro-Structural Confluence | 4 - 5 March 2022

The **ASCE Indo-Sri Lanka Sections** collaboratively organized the **1st International Webinar Series on Recent Advancements in Enviro-Structural Confluence**, under the banner of **ASCE IS SR & SL sections** and Technical partner, Department of Civil Engineering, **Mahendra Engineering College**, Namakkal, Tamil Nadu jointly organized the program on the “**World Engineering Day**” was held on 4th and 5th March 2022.

The online webinar focused at innovations in the field of Environmental and Structural Engineering domain. The valuable insights and the remarkable presentation were extremely useful for the naturalist, to emphasis the global warming issues and to mitigate the green house gas effects. This webinar also disclosed the significant topics related to the structural behavior in the earthquake forces, Structural health monitoring techniques for sustainable use, Evaluation of bridges and very innovative topics like light weight load bearing systems for buildings. The webinar was packed with enriched knowledge and to update the current technologies for the structural engineering professional members, practicing civil engineers, researchers, academicians and also for environmentalists. The national and international speakers shared their knowledge and life experiences with all the participants.

The 2 days International Webinar was welcomed by **Dr. R. Samson Ravindran**, Executive Director, **Mahendra Group of Institutions** and **Dr. R. V. Mahendra Gowda**, Principal, Mahendra Engineering College and the International Virtual Webinar was inaugurated by **Er. Narsimha Chary Poloju**, President ASCE IS SR. The Guest of Honour, **Prof. Dr. Dennis D Traux**, President of ASCE presides over the gathering and he motivates all participants to update the technological skills to make the world better and in a sustainable way. The president’s, secretary and treasurer of ASCE-IS, IS-SR & SL. The program coordinator proposed the profile presentation of the resource person, concluding remarks of the virtual webinar and vote of thanks.



Day 1: 4th March 2022

Session 1: Dr. Krishna R. Reddy

Topic: “Climate Change Mitigation and Adaptation Research Opportunities for Civil Engineers”

Key Takeaways:

1. The grand challenges of the 21st century such as population growth and its consequent impacts
2. A discussion on Greenhouse gas effects like contribution of green house gases, sources of GHG time was explained and its ill effects also discussed here
3. Some of the catching topics like Sulfur Injection; Space mirrors are advanced technology to diminish the global warming effects on the earth surface
4. Elucidated the resilient design structures for flood protection. The ASCE future world vision like frozen city and off planet city are discussed in an attractive way

International Events

1st International Webinar Series on Recent Advancements in Enviro-Structural Confluence | 4 - 5 March 2022

Session 2: Mr. Tony Rofail

Topic: “An overview of the recently released ASCE and AS/NZS standards for wind actions on structures”

Key Takeaways:

1. The speaker emphasized on the wind force actions on the tall buildings & explained the structural behavior in cross wind response related to the Australian & New Zealand code of practice
2. The study was extensively used for the researchers working in the dynamic response of wind on the tall structures
3. Highlighted the topics like tornados, wind loads & mathematical modeling for the calculating the response spectrum for buildings

Day 2: 5th March 2022

Session 3: Prof. Ramancharla Pradeep Kumar

Topic: “Protecting Built Environment from Earthquakes-through mitigations and preparedness efforts”

Key Takeaways:

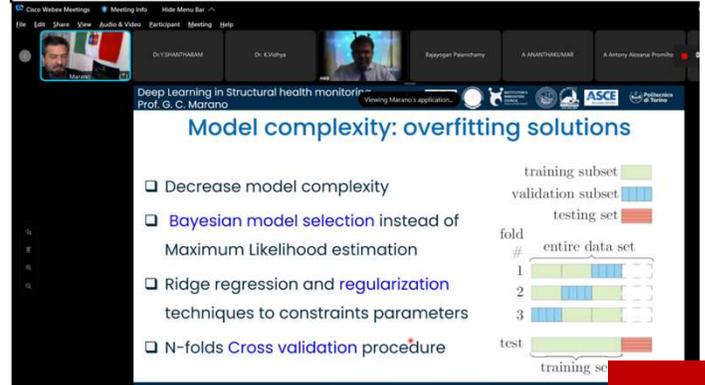
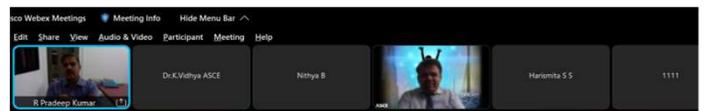
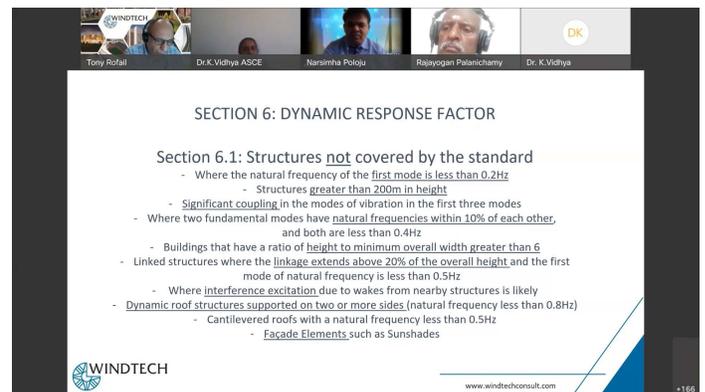
1. The session focused on the earthquake mitigation & preparedness awareness and the earthquake disaster management cycle
2. Highlighted the earthquake predominant zones across the India with spatial distribution helps us to comprehend the severity index of earthquake
3. Elaborated the step-by-step procedure for disaster preparedness in a captivating way
4. The furniture simulation model for earthquake behavior is very interesting facts in this session

Session 4: Prof. Guiseppe Carlo Marano

Topic: “Deep Learning in Structural Health Monitoring”

Key Takeaways:

1. Described the structural damage & its causes, preventive measures for the structural damage, interlinking of all the factors for challenging way
2. Classification of the structural health monitoring techniques like model-based approach & data-driven approach were explained
3. Incorporation of machine learning techniques for the prediction of damage in the structures were elucidated



International Events

1st International Webinar Series on Recent Advancements in Enviro-Structural Confluence | 4 - 5 March 2022

Session 5: Prof. Tomonori Nagaya

Topic: “Monitoring-based Evaluation of Bridges”

Key Takeaways:

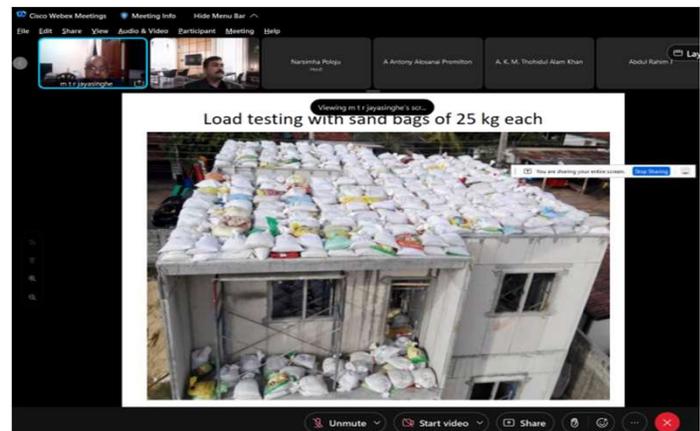
1. Explained the post-earthquake rapid assessment of the structures in a comprehend manner
2. Described the algorithm development for the non-linear displacement estimation
3. IoT techniques are used for capturing the earthquake forces

Session 6: Prof. Thishan Jayasinghe

Topic: “Light weight load bearing systems for houses & apartments”

Key Takeaways:

1. The lecture was enlightened with the development of light weight materials for the load bearing structures
2. Discussed the earthen materials used as a building components in engrossing way
3. Demonstrated the load testing procedure for two storey light weight house with photographic presentation



Click to read our Past Quarterly Newsletters:

1. [ASCE IS Newsletter – Nov 2021 – Jan 2022](#)
2. [ASCE IS SR Newsletter – Aug – Oct 2021](#)
3. [ASCE IS SR Newsletter – May – Jul 2021](#)

A Proud Moment to Share with all our Members

ASCE India Section (ASCE IS) was declared the **Winner** of the **2021 Section Member Drive** with 3rd Prize and received a deposit of \$500 from the ASCE HQ

To know more about ASCE Member-Get-a-Member, [Click here](#)



Student Chapter News

Civil Engineering Conclave 2022 - Bridge Engineering | 15 March 2022

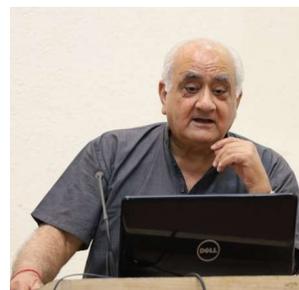
KPR Institute of Engineering and Technology had organized **Civil Engineering Conclave 2022 - Bridge Engineering** on 15th March 2022. The event was conducted in hybrid mode with a high volume of participants across the nation.



Dr. V. K. Raina, AICTE Distinguished Chair Professor – Bridges; **Mr. M. Suyambulingam**, Rtd. Chief Bridge Engineer, IRSE Southern Railway; **Mr. V. Kasiraja**, General Manager & Head, Special Projects & Construction Methods, Plant & Machinery, L&T Constructions, Chennai, **Dr. K. P. Ramasamy**, the Chairman of KPR Groups; **Dr. M. Akila**, the Principal of KPRIET; **Dr. G. Anusha**, Head of the Department – Civil Engineering; Practising Civil Engineers; Engineers and consultants from Industry; academicians; participants from various institutions and the Civil Engineering students of KPR Institutions graced the event through their dynamic & interactive participation.

Dr. V. K. Raina, AICTE Distinguished Chair Professor - Bridges was the chief guest for the conclave. He has been a team leader in the multibillion USD highways & bridges projects in the Middle East for than 10 years in the UN team of experts. He is a life-time achievement awardee in Civil Engineering in the field of bridges. He has worked in 22 countries & trained hundreds of engineers in the field of bridge engineering. He is also a registered chartered engineer in various countries & consultant & senior expert for various international banks.

Dr. V. K. Raina has delivered an expert talk on “*Development of the Bridge-Form Globally over the Past 35 Centuries*”. He has enlightened the gathering through his efficacious, informative and thought-provoking speech about historical revolution in Bridge Engineering. His speech became an eye opener for the young budding Engineers, academicians and industry persons in the field of Bridge Engineering. He has also actively interacted with students, members of faculty and participants.



Dr. V. K. Raina
AICTE Distinguished Chair Professor

“Young Engineers are Energetic with Advancement, Create Interest among the students about the Ideas, Background, Development and Arts & Science of Engineering”

Mr. M. Suyambulingam, Rtd. Chief Bridge Engineer, IRSE Southern Railway, continued the session. He delivered a lecture on “*Retrofitting of Bridges*” to carry heavy axial load and higher speed trains. He has also shown various real time case studies related to the lecture delivered.



Mr. V. Kasiraja, General Manager & Head, Special Projects & Construction Methods, Plant & Machinery, L&T Constructions, Chennai has delivered his lecture on Constructability of Different Types of Bridges with time lapse videos during construction stage that helped the participants to gain more practical exposure on various construction techniques.

Collaborative Events

ASCE India Student Symposium 2022 | 25 – 27 March 2022



As a celebration of civil engineering and the ASCE community every year, through the student symposium technical and non-technical events were organized. The Student Symposium combines the ASCE Concrete Canoe Student Competition, Sustainable Solution Competition, Innovation Contest Survey competitions, and Conference as a point of professional and personal development opportunities, networking, and fun. And we believe that partnership results in the development of future industry leaders. ASCE Symposium fosters a close association between engineering professionals and university students.

The **ASCE India Student Symposium 2022** was successfully hosted by **Dr. D. Y. Patil Institute of Technology, Pimpri, Pune** along with **Punjab Engineering College, Chandigarh** and **University of Petroleum and Energy Studies, Dehradun**. During this time frame, more than 16 events were conducted out of which 5 of them were '**Flagship Competitions**' whereas the rest of the events were '**In-house Competitions**'. The winners of the Flagship competitions won the chance to represent India at the Society Wide Student Symposium to be held in **Louisiana Tech University, Ruston, USA** during 2 – 6 June 2022.

Inaugural Ceremony was conducted in hybrid mode. All the three host institutes came on one platform through online mode along with their respective students and faculty members in offline mode. **Hon. Secretary Dr. Somnath Patil**, inspiration for the faculty and students, and **Principal, Dr. Pramod Patil**, motivated the students for success. Faculty Advisor of ASCE DIT student Chapter and Head of department, **Dr. Deepa A Joshi** along with all faculty members and students attended the inaugural ceremony and bestow best wishes all participants and organizers. Similarly heads of PEC, Punjab and UPES, Dehradun also addressed the gatherings.

The two flagship events '**ASCE Sustainable Competition**' & '**ASCE Innovation Contest**' were hosted by DIT, Pimpri on 26th March 2022. For these competitions **Prof. Ir. Dr. Choong Kok Keong**, Professor of Structural Engineering, School of Civil Engineering, University of Malaysia and **Prof. R. Murugesan**, Principal, Institute of Road and Transport Technology, Tamil Nadu were head judges.



Glimpses from Inaugural Session

Along with head judge two well-known academicians **Prof. S. Suriya Prakash**, Professor Department of Civil Engineering, IIT Hyderabad and **Dr. R. Siva Chidambaram**, Scientist, CSIR - CBRI, Roorkee, also four judges from industry, **Mr. Tirtha Banerjee**, **Mr. Ajinkya Ingley**, **Ms. Ananya Kamboj** and **Er. Suhas Karadkhekar** were also part of judging the events.

More than a dozen teams participated across India in this competition whereas in the In-house competitions more than 100 teams participated in the various competitions.

The Symposium was successfully organized by the student's team of ASCE Student Chapter of DIT under the leadership of ASCE Student President, **Mr. Shubham Raj Vardhan** along with the Student Committees. The guidance for the Symposium was provided by Faculty Coordinator, **Mrs. Ashwini Salunkhe**, Faculty Advisor **Dr. Deepa Joshi** and all the faculty members of Civil Engineering Department. The successful conduction of ASCE India Student Symposium 2022 was a great technical learning, managerial skills, and global exposure to all the students.

Collaborative Events

ASCE India Student Symposium 2022 | 25 – 27 March 2022

Winners of the Symposium

The team from JSPM's Rajarshi Shahu College of Engineering (RSCOE), Pune, participated in **ASCE UESI Surveying Competition** and won the first place. The ASCE UESI Surveying Competition's educational and professional goals include recognition of the importance of basic surveying principles to all civil engineering projects. Students are required to use standard field and office equipment and procedures to solve common problems encountered in industry. Considering the pandemic circumstances, the competition was held in virtual mode.

The competition was in two phases:

Task (1A) Topographic Mapping Project, wherein the students had to prepare a 1-foot contour topographic map with details specified by the competition committee. The submittal was in 24" x 36" pdf and landXML files.

Task (1B) A maximum five (5) minute live presentation for the mapping project. The task involved to demonstrate competency in mapping the topographic map, such as identifying the boundary, control points, break lines, etc. This presentation intended to showcase the understanding of topographic mapping and drafting. The judging was done by experts from India and the United States.

The winning team from RSCOE team included **Sooraj Nair, S.M. ASCE, Om Naik, S.M. ASCE, Diksha Kamble, S.M. ASCE** and **Mrunal Kale, S.M. ASCE**. The team was supported by Dr. R. K. Jain, Director, RSCOE, Dr. M. R. Sharma, Faculty Advisor, ASCE Student Chapter, Prof. S. S. Shahapure, and Dr. A. R. Patil, Head, Civil Engg. Department.

ASCE Innovation contest:

First Place: Bannari Amman Institute of Technology, Sathyamangalam

Second Place: Saintgits College of Engineering, Kottayam

Third Place: Thakur College of Engineering & Technology, Mumbai

Fourth Place: Dr. D. Y. Patil Institute of Technology, Pimpri, Pune

Fifth Place: Mukesh Patel School of Technology Management and Engineering, Mumbai

Sustainable Solutions Competition:

First Place: Mukesh Patel School of Technology Management and Engineering, Mumbai

Second Place: Saintgits College of Engineering, Kottayam

Third Place: Thakur College of Engineering & Technology, Mumbai

Fourth Place: Manipal Institute of Technology, Manipal

Fifth Place: Bannari Amman Institute of Technology, Sathyamangalam

Sixth Place: Dr. D. Y. Patil Institute of Technology, Pimpri, Pune

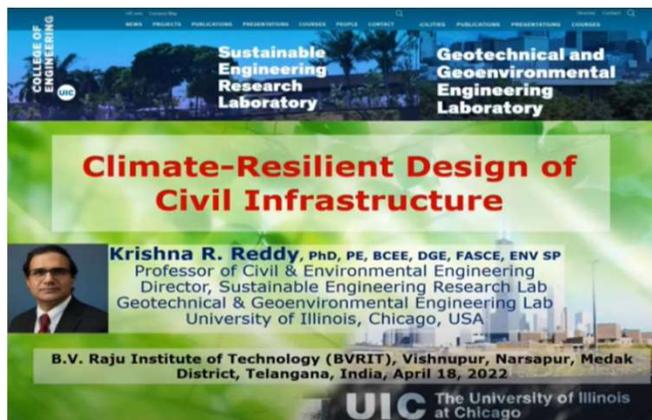
Collaborative Events

Technical Writing Contest – 2022 | 18 – 23 April 2022

For the first time in 2022, ASCE IS SR and ASCE Sri Lanka under the working of the President-elect - **Er. Narsimha Chary Poloju**, Secretary – **Dr. Bharathi Ganesh**, and Treasurer – **Dr. K. Vidhya** organized the **Technical Writing Contest – 2022** during 18 – 23 April 2022.

The student competition held by ASCE IS SR, brought together representatives from research, academia, and industry for keynote presentations and student community to present their work from different parts of the Globe. The aim of the competition was to increase the understanding of the advancements in the vast field of Civil Engineering and areas like safety as well as ethics in engineering help the students update and adopt the newest practices. The audience enjoyed the packed agenda of speakers and presentations.

The Chief Guest **Dr. Krishna R Reddy** highlighted the Climate Resilient Design of Civil Infrastructure, its importance and challenges in the climate resilient design.



Key Takeaways:

Keynote Session : Dr. Krishna R. Reddy

Topic: “Climate - resilient Design of Civil Infrastructure”

1. Impact of climate change hazards in infrastructure design were explained
2. Need and achievability of sustainable development goals were elaborated
3. Framework for the climate resilient design was discussed
4. Resilient design for flood protection, CSD structure, Building foundation, rail corridor
5. Challenges in climate resilient design were outlined



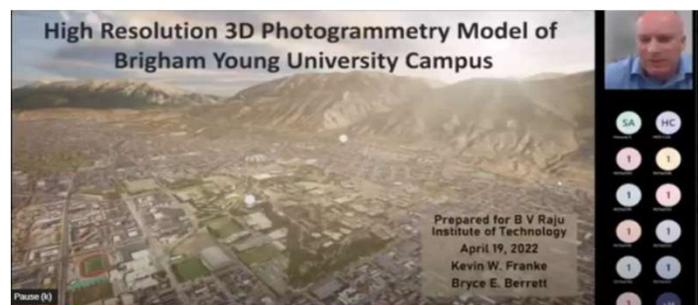
Day 1 – 19th April 2022

Session 1: Prof. Kevin W. Franke

Topic: "3D modeling of Large Infrastructure" - Case study Brigham Young University campus (IoT applications in Civil Engineering theme category)

Key Takeaways:

1. The 3D model creation of BYU campus and the equipment to be used for UAV acquisition methods
2. The challenges in model creation and implementation like the effect of shadow drift on model geometry
3. Processing and post processing edits
4. Case studies - Post hazard effects developing 3D model



Collaborative Events

Technical Writing Contest – 2022 | 18 – 23 April 2022

Day 2 – 20th April 2022

Session 2: Prof. Natarjan Krishna Murthy

Topic: “Target Zero Injuries - Developing a Comprehensive Safety Program for Engineers and Constructors”

Key Takeaways:

1. Causes for disabling injuries at work-place
2. Safety aspects in construction industry
3. Policies of safe companies in America to ensure safety at their work-place
4. Core elements of DELPHI safety
5. Measures taken by Indian Companies for ensuring safety - digitized safety processes
6. Path towards ZERO harm



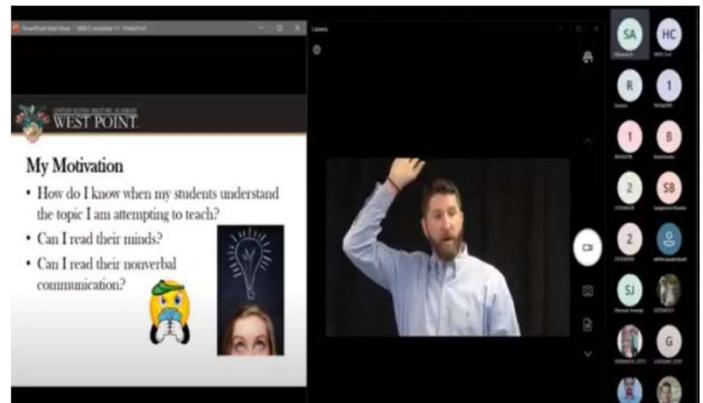
Day 3 – 21st April 2022

Session 3: Prof. Brock Barry

Topic: “Non-Verbal Communications”

Key Takeaways:

1. Impact & efficiency of non-verbal communication
2. Taxonomies of non-verbal communication and the influence on interpersonal communication
3. and its impact on the success of interpersonal interactions
4. 6 C’s of non-verbal communication - matching
5. words, voice with non-verbal communication
6. The non-verbal to be projected by a speaker
7. Suggested Books on this subject



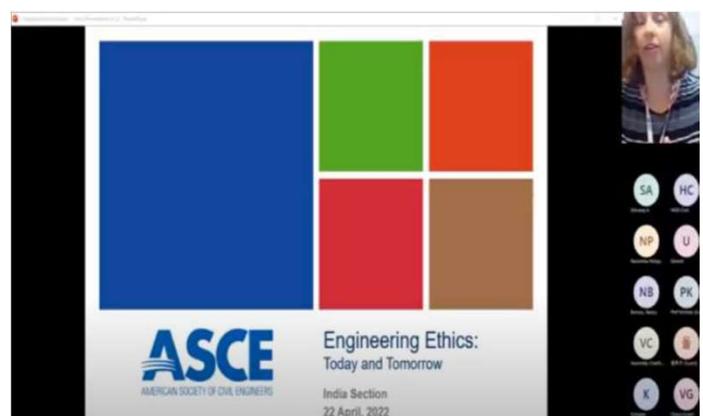
Day 4 – 22nd April 2022

Session 4: Ms. Tara Hoke Esq

Topic: Ethics Case Studies; Cyber Security Awareness

Key Takeaways:

1. Ethics at work-place
2. Importance of ethics at work-place
3. Reasons for some ethical people making unethical decisions sometimes
4. Tips to resolve ethical dilemma
5. ASCE Code of Ethics
6. Stakeholder model ethics for future engineers



Collaborative Events

Technical Writing Contest – 2022 | 18 – 23 April 2022

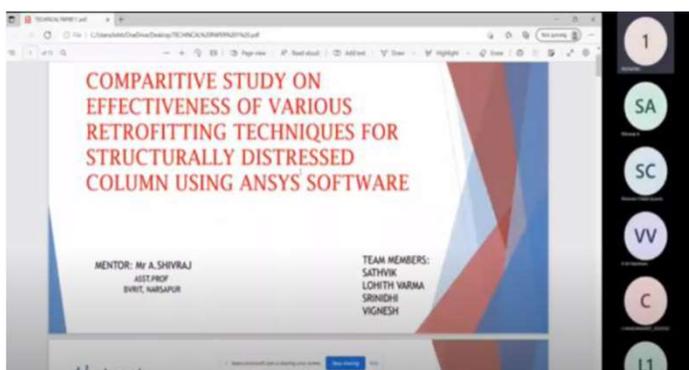
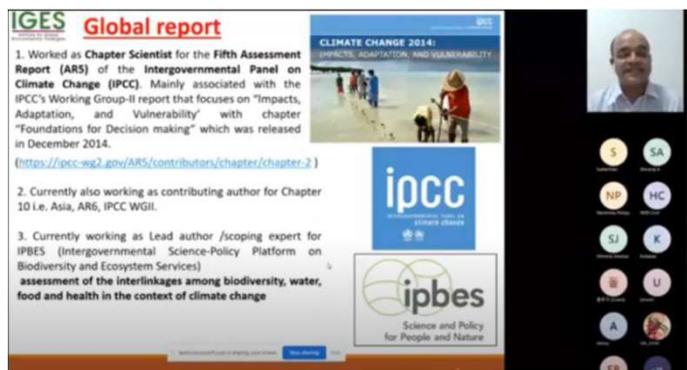
Day 5 – 23rd April 2022

Session 5: Dr. Pankaj Kumar

Topic: “Participatory Approach for enhancing Robust Water Resource Management and Adaptation to Water Scarcity”

Key Takeaways:

1. Unsustainable development paths - Population, resource consumption paths and urban centric development paths
2. Impact of Global changes on water resources
3. Reasons for water pollution
4. DPSIR model - Holistic approach for water resources management system
5. Water Evaluation and Planning (WEAP) model – advantages & limitations



Winners of Technical Writing Contest – 2022

Prize	Author(s)	Paper Title	Affiliation
1st Prize INR 5000 Cash	Ms. Aiswarya A. Mr. Kannan K. Mr. Soorya S. R.	Retardation of iron oxide concentration using sand bentonite landfill liner	Marian Engineering College, Kazhakuttom
2nd Prize INR 3000 Cash	Mr. V. Lohit Ms. Sreenidhi Mr. Sathwik Mr. Vignesh	Comparative study on the effectiveness of various retrofitting techniques for a structurally distressed column using ANSYS software	B. V. Raju Institute of Technology, Narsapur
3rd Prize INR 2000 Cash	Ms. Athulya G. S. Mr. Kannan K. Mr. Soorya S. R. Mr. Vinod P.	Investigation into the role of soil parameters on erodibility of soils	Marian Engineering College, Kazhakuttom
Special Recognition INR 1000 Cash	Mr. V. Sai Kiran Mr. P. Vinay Chandra	Identification of clashes between structural elements and mechanical components by BIM model	B. V. Raju Institute of Technology, Narsapur

ASCE India Section Accolades



This is to certify that

Sree Vidyanikethan
Engineering College

Has been awarded a

2022 Certificate of Commendation

In Recognition by the Committee on Student Members as an
Outstanding Student Chapter of the American Society of Civil Engineers


Dennis D. Truxax, Ph.D., P.E., DEE, D.WRE, F.ASCE
ASCE President 2022




Thomas W. Smith III, ENV SP, CAE, F.ASCE
ASCE Executive Director

1. Certificate of Commendation was received by Sree Vidyanikethan Engineering College for its outstanding activities as recorded in the 2021 Chapter Annual Report. This is a distinction earned by only the top 5% of all student chapters.



2. Dr. Subhasish Dey was selected by the Coasts, Oceans, Ports and Rivers Institute and the Environmental and Water Resources Institute to receive the **2022 Hans Albert Einstein Award** for his fundamental contribution to the fluvial sediment transport, turbulence mechanism, local scour, and alluvial river dynamics from the perspectives of research, education and practice." Dr. Dey is invited to the Society's 2022 World Environmental and Water Resources Congress to be held during June 5-9, 2022, in Atlanta, GA.

Subhasish Dey, Ph.D., M.ASCE



Er. Narsimha Chary Polaju, President, ASCE IS SR expressed the gratitude towards the contributions by **Prof. Ramancharla Pradeep Kumar** to ASCE IS at the Campus of *International Institute of Information Technology, Hyderabad* on 11th March 2022



New Memberships & Advancements

1. Dr. SHAMSHER BAHADUR SINGH – Member to Fellow
2. Dr. SOUNDARA BALU – Associate Member to Member
3. Prof. K. ANUSHA – Associate Member to Member
4. Dr. RAMANCHARLA PRADEEP KUMAR – New Member
5. Mr. RAVI SUNDARAM – New Member

Dr. Shamsheer Bahadur Singh, Ph.D., P.E., C.Eng., F.ASCE

Research and Publications News

KPR Institute of Engineering and Technology, Coimbatore

1. Suarez-Chamba, M., Rajendran, S., Herrera-Robledo, M., Priya, A. K., & Navas-Cárdenas, C. (2022). Bi-based photocatalysts for bacterial inactivation in water: Inactivation mechanisms, challenges, and strategies to improve the photocatalytic activity. *Environmental Research*, 209, 112834.
2. Nanmaran, R., Srimathi, S., Yamuna, G., Thanigaivel, S., Vickram, A. S., Priya, A. K., ... & Muhibbullah, M. (2022). Investigating the role of image fusion in brain tumor classification models based on machine learning algorithm for personalized medicine. *Computational and Mathematical Methods in Medicine*.
3. Priya, A. K., Subha, C., Kumar, P. S., Suresh, R., Rajendran, S., Vasseghian, Y., & Soto-Moscoso, M. (2022). Advancements on sustainable microbial fuel cells and their future prospects: A review. *Environmental Research*, 210, 112930.
4. Divyadharshini, V. M., Karthickraja, D., Thamilselvan, R. P., Elavarasan, S., & Yogeshwaran, V. (2022). Experimental studies on partial replacement of E-waste and Blast Furnace Slag in concrete. *Materials Today: Proceedings*.
5. Priya, A., Anusha, G., Thanigaivel, S., Karthick, A., Mohanavel, V., Velmurugan, P., ... & Chelliapan, S. (2022). Removing microplastics from wastewater using leading-edge treatment technologies: A solution to microplastic pollution—A review. *Bioprocess and Biosystems Engineering*, 1-13.
6. Gnanasekaran, L., Rajendran, S., Karimi-Maleh, H., Priya, A. K., Qin, J., Soto-Moscoso, M., ... & Bathula, C. (2022). Surface modification of TiO₂ by adding V₂O₅ nanocatalytic system for hydrogen generation. *Chemical Engineering Research and Design*, 182, 114-119.
7. Ramalingam, G., Nagapandiselvi, P., Priya, A. K., & Rajendran, S. (2022). A review of graphene-based semiconductors for photocatalytic degradation of pollutants in wastewater. *Chemosphere*, 134391.

Malnad College of Engineering, Hassan

1. Wangmo S, Vijayakumar SN and Vijay V Nair (2022). Demonstration of fabrication and working of a hydraulic ram pump. International Conference on Smart Environment Management and Solutions (ICSEMS 2022), organized by Institute for Engineering Research and Publication, 21 - 22 April 2022 [Certificate of Best Paper]
2. Vijayakumar SN, Wangmo S and Vijay V Nair (2022). Demonstration of fabrication and working of a hydraulic ram pump. 6th National-level Techno Exhibition and Start-up Summit organized by Dr. Ambedkar Institute of Technology, Bengaluru, 13 April 2022.
3. Ganavi, Komala SM, Srushti V, Hiremath D and Chethan Kumar NT (2022). Effective Utilization of Samanea Saman in Rural Roads. 6th National-level Techno Exhibition and Start-up Summit organized by Dr. Ambedkar Institute of Technology, Bengaluru, 13 April 2022
4. PG Students of M.Tech. (CADS) Programme participated in the 'Design SAFE 2022' – One-day Colloquium on "Pre-engineered Steel Buildings" jointly organized by Association of Consulting Civil Engineers (India), Mysore Centre and JSS Science & Technology University, Mysuru

Sponsored Research Project:

A Grant of Rs. 12.50 Lakhs was sanctioned by Visvesvaraya Technological University under Research Grants Scheme to the proposal submitted by Dr. Vijay V (PI) and Mrs. Lavanya HD (Co-I)

Mahindra University, Hyderabad

1. Subbarao, S. S., Deepti, A., Amit, H., Akshay, A., & Charan, S. K. (2022). Emission Modelling of Passenger Cars in India: A Case of Hyderabad City. In *Proceedings of the Fifth International Conference of Transportation Research Group of India* (pp. 343-351). Springer, Singapore.

Research and Publications News

Thakur College of Engineering and Technology, Mumbai

1. Chaurasia V.S., Pandey P.P., Mishra A.V., Gupta S.S., Pawar A.U. (2021) Stabilization of Soil Using Terrazyme for Road Construction. In: Patel S., Solanki C.H., Reddy K.R., Shukla S.K. (eds) Proceedings of the Indian Geotechnical Conference 2019. Lecture Notes in Civil Engineering 136. Springer, Singapore.
2. Lochan Jolly, Arpit Vyas, Swapnil Raut and B.K.Mishra. "Innovation in online evaluation for authentic assessment." Journal of Engineering Education Transformations 35, August 2021, Special issue (Enhance Quality Education through NEP 2020) eISSN 2394-1707

Patent:

Patent No. 202121026359, An Improved Cement Concrete And Method Of Preparation Of Thereof, Mr. Prashant Ramakant Narayane. Swapnil Arvind Raut, Karan Sunil Patel, Jai Dharmesh Raisurana, Heet Mukesh Shah, Rushabh Alpesh Mehta

Forthcoming Events

1. International Conference of Structural Engineering and CONstruction Management (SECON) would be organized by Federal Institute of Science & Technology (FISAT), Angamaly during 1 – 3 June 2022
2. 2nd International Webinar Series on Latest Advancements in Geo-environmental Confluence would be jointly organized by ASCE India Section, ASCE Sri Lanka Section and Mahendra Engineering College, Namakkal to honor the World Environment Day during 4 – 6 June 2022
3. International Conference on Recent Advances in Civil Engineering (ICRACE-2022) would be held in association with the Habilete Learning Solutions Pvt. Ltd during 1 - 3 December 2022, and will be hosted by Cochin University of Science and Technology (CUSAT), Cochin, Kerala, India



SECON'22
INTERNATIONAL CONFERENCE ON STRUCTURAL ENGINEERING AND CONSTRUCTION MANAGEMENT

1-3 JUNE 2022



**DEPARTMENT OF CIVIL ENGINEERING
FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY
(FISAT), KOCHI, KERALA, INDIA**









Forthcoming Events



"2nd International webinar series on latest advancements in Geoenviro-Structural Confluence"



Collaboratively organize by



ASCE Indo-Sri Lanka Sections - Technical Partner



Mahendra Engineering College (Autonomous)







"World Environment day"

Online Mode



On 04th June 10:00 to 11:00 am IST

Er. Tony Refail
(Principal, Queensland University of Technology)
 Director | National Construction Pty. Ltd., Australia.

Topic: "An overview of the recently released ASCE 40-2021 and ASCE-QAM-1 (2019) Standards for Wind actions on Structures"



04th June 11:00 to 12:00 pm

Prof. Ramacharia Pradeep Kumar
Professor & Head of Structural Engineering Research Centre | IIT Hyderabad, Telangana.

Topic:
"Critical Aspects in the Design of Tall Buildings"

Offline Mode



On 05th June 10:00 to 11:00 am IST

Prof. Madhavi Latha
Professor, Department of Civil, Indian Institute of Science, Bangalore.

Topic:
"An overview of latest trends in Geocell Reinforcement".



05th June 11:00 to 12:40 pm IST

Prof. Kishna R. Reddy
Associate, Senior, Distinguished Professor, and Professor, Faculty of Architecture and Planning, Director of its Master of Planning, Doctoral Laboratory, and Director of the Graduate and Executive certificate programs, University of Illinois, Chicago, USA.

Topic: **"Electrostatic Remediation of Contaminated Sites"**

Online Mode



04:30 pm to 05:30 pm IST

Prof. Signe Dostal
Research Associate, Director of Center for Climate Governance (CCG), MIT Research Center for Sustainable Energy (RCSE).

Topic: **"Sustainability, Climate Change and Conservation, Where do we go from here?"**



On 06th June 5:30 to 6:30 pm IST

Prof. Nairajan Krishnamurthy
Professor, Director of Center for Strategic Studies and Research, IIT Madras - Energy Conservation, Singapore.

Topic: **"Holistic approach to Risk Management"**



6:30 pm to 7:30 pm IST

Ms. Jessica Chappell
IE, IASB AP Engineering Manager, Structural, Halcrow, Salt Lake City, USA.

Topic: **"Lessons from the Utah 512 Flood to Inform a Inventory"**

<p>PRESIDENT</p> <p>Prof. RAJAYOGAN PALANICHAMY ASCE-IS</p> <p>Dr. NARSIHHA CHARY POLOJU ASCE-IS SR</p> <p>Dr. K. P. U. DHARMAPALA ASCE-SL</p>	<p>SECRETARY</p> <p>Dr. SUNDARA BALU ASCE-IS</p> <p>Dr. BHARATHI GANESH ASCE-IS SR</p> <p>Dr. W. G. P. C. ISHARA WIJESKARA ASCE-SL</p>	<p>TREASURER</p> <p>Dr. S. PRADEEP ASCE-IS</p> <p>Dr. K. VIDHYA ASCE-IS SR</p> <p>Dr. BUDDHIKA YAHAMPATH ASCE-SL</p>
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ASCE India Section - A Brief History



ASCE, the oldest national professional engineering society in the US founded on 5th November 1852, represents more than 150,000 members of the civil engineering profession in 177 countries out of 196 countries worldwide. The global HQ of ASCE is in Reston, Virginia, USA. Through the expertise of its active membership, ASCE is a leading provider of technical and professional conferences and continuing education, the world's largest publisher of civil engineering content, and an authoritative source for codes and standards that protect the public. The Society advances civil engineering technical specialties through nine dynamic Institutes and leads with its many professional- and public-focused programs.

ASCE comprises 9 Regions in North America and 1 Region that includes 23,245+ members that reside outside of the USA, Mexico, and Canada. Region 10 is composed of 18 Sections, 6 Branches, 12 International Groups, and 88 Student Chapters. International Sections, Branches, and Groups of ASCE are formed to promote the technical and professional development of members, engagement for ASCE members through meetings, guest speakers, networking, and technical content. ASCE encourages the spirit of cooperation among engineers, and with other engineering societies and educational institutions in matters of common interest.

ASCE India was established in 1988 as an International Group and promoted to a Section within one year, due to an exceptional growth of the membership and extraordinary technical activities performed during that period. Dr. Anil Krishnakar became the 1st President of the ASCE India Section. In 2012, the four Regions were formed under the umbrella of the India Section: IS-Eastern Region, IS-Northern Region; IS-Southern Region; and IS-Western Region. India Section Southern Region has more than 6,373+ members, inclusive of Student Members with free student membership.