Department Activities Report for the Academic Year 2019-20[Odd Semester]				
Sl No	Event	Date	Resource Person	Topic
1	Technical Talk	15.07.2019 to 20.07.2019	*Er.* Manjunath Reddy, *SAI CAD* centre, Bangalore	A week long training program on Auto CAD 2D & 3D modelling
2	Industrial visit	23-03-2019	Er.Sudhakar Shetty Mugrody Constructions	Industrial Visit on Gurupura Precast Girder Bridge(Under Construction)
3	Industrial visit	23-03-2019	West Line Signature incharge and team	Industrial Visit on West line Signature (53 Story Tall Structure)
4	Technical Talk	29-07-2019	Er. Nagesh,	Scope for Civil Engineering
5	Technical Talk	15.08.2019	Dr.Jayaprakash M C	Awareness Program on Rain Water Harvesting and their Implementation at Thodar Village
6	Technical Talk	**09.08.2019**	Er. Arun Prabha, Chairman, ACCE(I), Mangaluru	Inauguration of ACES 2019-20 Developing Mangaluru as a Smart City
7	Technical Talk	31st August 20.19	Dr. Raju Aedla, Research Associate, Kumamoto University, Japan Association with ACCE(I), Mangaluru Chapter	Remote Sensing and drone application in civil engineering
8	Technical Talk	19-09-2019	Dr B Ragvendra K Holla ,Assistant Director - Development MIT,Manipal	Augmented Reality in Construction
9	FDP Training Program	19-09-2019	Er. Anil V Baliga, Proprietor, Manjeshwara Techno Trade	Advanced Materials in Construction
10	FDP Training Program	30.12.2019	Dr. Shanmuganeethi .V. ,Head, Dept. of Computer Science & Engineering, NITTR-Chennai	Role of an Engineering Teacher and Outcome Based Education and its Implementation

	FDP Training Program	30.12.2019	Dr. Thirumaleshwara Bhat, Principal, SMVITM, Bantakal.	Bloom's Taxonomy for outcomes
	FDP Training Program	31.12.2019	Dr. G.Janardhanan Associate Professor & Head Centre for Environmental Management & Centre for International Affairs National Institute of Technical Teachers Training and Research Chennai	Evaluation and Assessment, Presentation Tools for Class room and Outcome based curriculum design and discussion
	FDP Training Program	31.12.2019	Dr. Balasubramani R, Professor in Information science department & Incharge of Nitte Startup Ecospace, NMAMIT Niite	NBA Accreditation Process
	FDP Training Program	01.01.2020	Dr. Suphala S Kotian, Professor, MHA (Masters in Hospital administration) department, in AJ hospital and Research Centre, Mangalore.	Student Guidance and Counseling
	FDP Training Program	01.01.2020	Dr. Sanjay H A, Professor and Head, Department of Information Science & Engg, Nitte Meenakshi Institute of Technology, Bangalore.	NBA evaluator's perspective
	FDP Training Program	: 01.01.2020	Dr. Srinivasa Pai P, Professor, Department of Mechanical Engineering at NMAMIT, Nitte	Project based learning
	FDP Training Program	02.01.2020	Dr. Suresha.S. N, Department of Civil Engineering NITK, Surathkal	Innovation By faculty in Teaching learning Process "
	FDP Training Program	02.01.2020	Dr. Ganesh Mogaveer,HOD, Dept. of Civil Engineering, MITE	Importance of NBA accreditation in Technical Institution

	FDP Training Program	02.01.2020	Dr. Thirumaleshwara Bhat , Principal, SMVITM, Bantakal	Documents Preparation for Criteria 1 & 2 and Evaluators Perspective
	FDP Training Program	03.01.2020	Dr Prasad Krishna Professor and Head, TEQIP Coordinator NITK Suratkal.	Necessary preparation for NBA process
	FDP Training Program	03.01.2020	Dr. Jayaprakash M C Senior Assistant professor Depatment of Civil Engineering MITE Moodabidri.	Documents preparation for criterion 3 and 4 and evaluation perspectives
	Technical Talk	13-06-2020	Dr. Ravi D R, Environmental Officer, KSPCB, Bangalore	Environmental Engineering Career Options and Job Prospects”
	Technical Talk	24-07-2020	Dr. Ganesh Mogaveer, Professor & Head, Department of Civil Engineering, Mangalore Institute of Technology & Engineering	Beating the COVID Blues :

Department of Civil Engineering

Auto CAD training program

Title: **"Auto CAD training"**

Resource Person/Organization: ***Er.*** **Manjunath Reddy,** ***SAI CAD*** centre, Bangalore

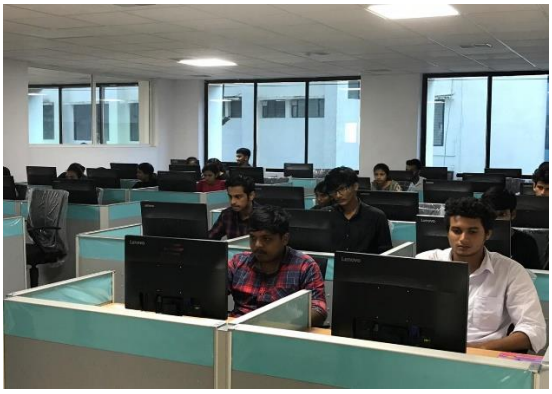
Date: **15.07.2019 to 20.07.2019**

Duration: ***6 Days (9.00am to 5.00pm)***

Target Audience: **2nd Year Students**

Brief about the event: **Auto CAD Certificate Course** ***is being conducting every year for 2nd year Civil Engineering students from SAI CAD Centre, Bangalore during the semester vacation. This training program is organized by the Department of Civil Engineering every year under the Centre for Continuing Education cell.***

Keynotes from the address: ***During the AUTO CAD training program, experts from SAI CAD Center, Bangalore delivered a lecture in the morning session for the students. In the afternoon session a hands-on AUTO CAD-2017 software (Both 2D & 3D training was conducted in the Auto CAD Laboratory of the Department of Civil Engineering, MITE Campus.***



Hands on training of AUTO CADD Software in the Laboratory at the Weeklong program of Auto CAD training.

Department of Civil Engineering

Industrial Visit on Gurupura Precast Girder Bridge(Under Construction)

Date: 23-03-2019

Duration: Morning Session 12.30 to 2.30

Target Audience: Third Year of Civil Engineering.(110)

Venue : Near Vamanjoor

Faculty Coordinators : Mr Mohan H.S, Mr Sagar S,Mr Darshan M.M, Mr Avinash Patil

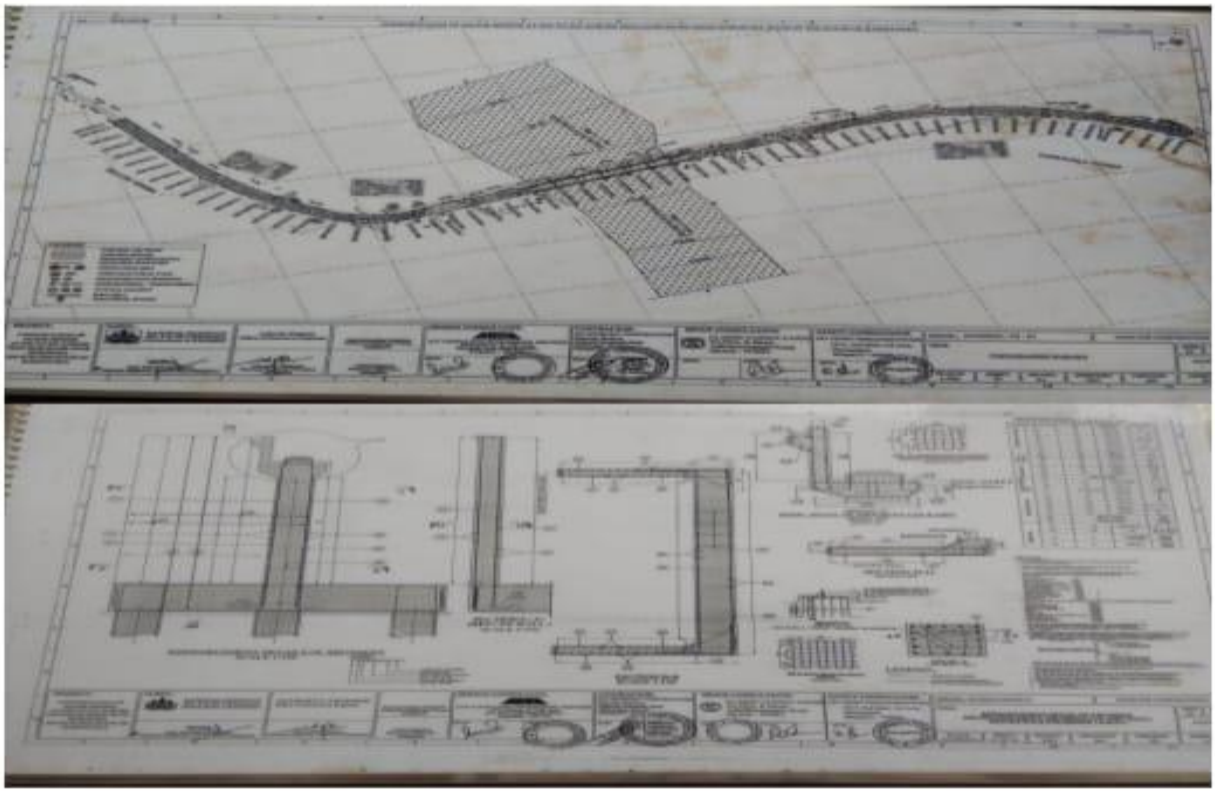
Aim of the Industrial visit:

As the proverb goes "the logic can take you from A to B but imagination can take you anywhere "it perfectly corroborates to the magnificent creations of Civil engineering which have been built by admires of civil engineering following their creative insight.no other branch of engineering is much more creative and ingenious as civil engineering.so in order to cater the minds of civil engineering students and make them abreast with the practical side of their coursework, a constitution of Gurupura bridge visit was organized by civil department of MITE.

Gurupura bridge, built in 1923,and is one of the oldest bridge across the PhalgunI river on Nanthoor-Moodbidri-Karkala National highway 169 connecting Mangalore is crying for attention. The motorists fear that the bridge might collapse at any time. Though expert team including senior officials from the national highway division of PWD and civil engineers examined the bridge and certified that the bridge is safe, motorists fear travelling on the bridge, looking at its condition. The bottom portion of the bridge is rusted. The girders have weakened. The iron railings which on the bridge have disappeared. The bridge has non seen any maintenance for the past many years, said the locals. The bridge is poorly maintained and thick shrubs grow on the edge of the bridge during monsoon. The narrow bridge cannot bear the burden of heavy vehicles. Only one bus or truck can pass over the bridge at a time. If two busses plying in opposite directions attempt to pass over the bridge, traffic is thrown out of gear. There is no space near the bridge to reverse or park vehicles, in case of traffic block. The bridge is filled with potholes' authorities only take up the patch work of the bridge. Through Mangaluru-Moodabidri-Solapura stretch was upgraded as national highway a few year ago, no measures have been taken to construct an alternative bridge across the river.

New Precast Girder Bridge Under Construction

The new major bridge across the Phalguni river near Gurupura on the outskirts of the city on Mangaluru-Moodabidri-Karkala NH169 will be completed in February 2020. Talking to repairs and constructers the 175 meter bridge will replace the current one. The union government sanctioned Rs 39.42 crore to the project and state government invited the bid for its construction. The tenda was bagged by local Mugarodi construction,which started the work on February 21, 2012 the firm has been given the time till February 20,2021 to complete the work and he said first bridge to be completed very early in the district. The local construction firm will do that work even during the ongoing monsoon. He said the new bridge will be 16m wide and 11m being the carriage way.it will have 2.5m wide footpaths on either sides of the carriageway. The bridge has 7 spans with each span 25m wide these all are about the information of ongoing bridge construction.



Longitudinal Section and Gurupur Bridge Components

Precast Girder and also discussion with Site Engineer Mr Deekshith

Group Photo of 5th Sem Students and Site Engineers

Department of Civil Engineering

Industrial Visit on West line Signature (53 Story Tall Structure)

Date: 23-03-2019

Duration: Morning Session 10.30 to 12.00

Target Audience: Third Year of Civil Engineering.(110)

Venue : Mangalore near Nantoor Junction.

Faculty Coordinators : Mr Mohan H.S, Mr Sagar S,Mr Darshan M.M, Mr Avinash Patil

Aim of the Industrial visit:

Industrial visit is considered as one of the tactical methods of teaching .The main reason behind this -it lets student to know things practically through interaction, working methods and etc.Moreover,it gives exposure from academic point of view. Main aim of industrial visit is to provide an exposure to students about practical working environment. Through industrial visit students get awareness about new technologies.Visting different companies actually help students to build a good relationship with those companies. We know building relationship with companies will always help to gain a good job in future. After visiting an industry students can gain a combined knowledge about both theory and practical. Students will be more concerned about earning a job after having an industrial visit.

About West line Signature:

West line builders Pvt Ltd is a property development company operating from Mangalore .The objective of the company is to endow with premium living, lifestyle and leisure spaces at reasonably priced costs.Westline is one of Mangalore's acknowledged real estate company.

PRINCIPLES: Finer quality, meticulous details and flawlessness are the principles that west line right through its development.

EXPERIENCE: The experience of owning a west line property and living the west line way of life is incomparable.one can sense the work and attention to detail in each face of the properties that bear its name.

PHILOSOPHY: The very foundation of west line's corporate philosophy is to "contribute to be better world" and we are passionately committed to this belief .Thus we expect all our dream big, while having the necessary skills and temperament to translate those dreams into concrete reality.

ABOUT WESTLINE'S SIGNATURE:

The proposed tallest 5 floor building in south India, located on the pristine hilltop of Nanthoor. The first residential building in Mangalore to be proposed for centralized air conditioning and hot water. Registered for platinum rating pre-certification from Indian green building council.

ABOUT GOVERNMENT APPROVALS:

RERA: PRM/KA/RERA/1257/334/PR/171021/000845.
MUDA: Sanctions obtained Mangalore city corporation: Sanctions obtained Fire department.
NOC obtained Ministry of environment.
NOC obtained Karnataka state pollution control board.
NOC OBTAINED DEVELOPMENT SIZE: 126 Apartments.

No.of floors:

Proposed for 53 floors.
Bedrooms: 2BHK,3BHK,3BHK DUPLEX,4BHK,4BHK DUPLEX.
Budget: 2BHK :87 lakhs *onwards 3BHK :1.13 crores*onwards 3BHK DUPLEX:1.74 crores*onwards 4BHK :1.80 crores*onwards 4BHK DUPLEX:2.07 crores*onwards

PROJECT STRENGTHS:

Proposed tallest tower in south India. First proposed tower with "central air conditioning". Automated building management systems proposed building with "smart home feature" serene and convenient location situated on a hill top.Mesmarising view of Arabian sea, hills and valleys. Award winning and renowned consultants built on form work technology for neat, speedy and sturdy construction world class amenities.

Photographs:

Photos of West line Signature

Group Photo of 5th Sem Students and West line Signature Group.

Department of Civil Engineering

Scope for Civil Engineering

Date: 29-07-2019

Duration: Morning Session 10.30 to 12.00

Target Audience: Third Year of Civil Engineering. (110)

Venue: Class room PLL 202

Faculty Coordinators: Dr.Jayaprakash M C

Brief about the event:

A technical talk on SCOPE FOR A CIVIL ENGINEERING by Er. Nagesh, Technical Head, UltraTech Ltd. Job opportunities are available for B.E. Civil Engineering graduates in Government as well as Private sectors. Talking about Government sector, many enterprises such as ONGC, BHEL, IOC, PWD, Electricity boards, Town Planning department, NHAI, Indian Railways etc. requires qualified Civil Engineers. Salary scale is different in case of Private and Government sectors. But, the average starting salary is generally between 2-5 Lakh Rupees per year.

Er Nagesh P also given information about a numerous opportunities await adequately adept and sensible professionals from civil engineering in the future and the scope of civil engineering is huge. With the increasing population demand of sustainable infrastructure in the form of high-end road and railway network, better water supply arrangements and, concept buildings, the appropriate skill sets with progressive attitude can take you to new heights of success in your civil engineering career

Er. Nagesh P, Technical Head, ULTRATECH, addressing the 5th Semester Civil Engineering students on Scope for Civil Engineering

Department of Civil Engineering

Rainwater Harvesting Awareness Program

Title: ***"Awareness Program on Rain Water Harvesting and their Implementation at Thodar Village"***

Resource Person/Organization: ***Dr. Jayaprakash M C and Prof. Vinod G, Professors, Dept. of Civil Engineering, Mangalore Institute of Technology and Engineering, Moodabidri***

Date: **15.08.2019**

Duration: **Morning Session**

Target Audience: **Residents from Thodar Village, Moodabidri, Dakshina Kannada Village, Karnataka**

Brief about the event: **On the occasion of 73rd Independence Day – the importance of rainwater harvesting and their implementation program was jointly organized by Department of Civil Engineering and Thudar Charitable Trust® arranged at Sri Thodar Kshetra, Kodamanithaya Daivasthana, Moodabidri, Dakshina Kannada district, Karnataka State.**

Keynotes from the address: **Increasing global warming is having an adverse effect on climate, especially how our monsoon cycle is disturbed. "Erratic rainfall is one of the causes for reduced availability of the water. Rising population, rising farm produce and industrial activities is putting stress on ground water. This has resulted in rapid ground water depletion. Government at all the levels is advocating ground water recharge using rain water harvesting (RWH). Thus there is need for spreading awareness about RWH methods".**

Resource Person has given the guidance and importance of Rainwater harvesting in the present scenario of the water scarcity during summer season with few case studies. He also focused on locally available materials to use for the implementation of rainwater harvesting for the individual houses is needed in the present situation to concern on sustainable development.

In the inaugural address presided by the Sri. Balakrishna Shetty, Advisor, Thudar Charitable Trust® had given welcome speech to the gathering followed by Dr. Ganesh Mogaveera, Professor and Head, Department of Civil Engineering has overviewed on rainwater harvesting and responsibility of the society in the scenario regarding the water

crisis. Mithun V Shetty, Founder, Thudar Charitable Trust®, Sunil Shetty, Prisident of the Trust and Praveen Shetty, Member, Thodar Gama Panchayath have been present in this occation.

Photographs:

Dr. Jayaprakash M C, Dept. of Civil Engineering, MITE has addressing social awareness program on rainwater harvesting at Kodamanithaya daivasthana, Thodar Village,

Right: *Inaugural address presided by the Sri. Balakrishna Shetty, Advisor, Thudar Charitable Trust®Village, Moodabidri.*

Left: *Dr. Ganesh Mogaveera, Professor and Head, Department of Civil Engineering has overviewed on rainwater harvesting in his interim speech.*

Inauguration of ACES 2019-20

Title: "Developing Mangaluru as a Smart City'"
Resource Person/Organization: Er.Arun Prabha and ACES Students Activity Inauguration 2019-20

Date: 09.08.2019

Duration: Morning Session

Target Audience: All students of civil department (250)

Brief about the event

ACES (Association of Civil Engineering Students) is a student's of civil engineering association, is one of the non-profit association formed for the benefit of civil engineering students. Under the flag ship of Department of Civil Engineering, every year conducting various technical talks from the industry persons and professors from IITs, IISc & NITs, workshops, conferences, technical tour, industry visit, sports etc. for the benefit of civil engineering students. Er. Arun Prabha, Chairman, ACCE(I), Mangaluru Chapter, in his inaugural address said that the Civil Engineering students are the back bone of the country. Engineers should serve the nation with innovative technology which should reach the common people. He has delivered a talk on 'Developing Mangaluru as a Smart City' on the occasion of ACES Students Activity Inauguration 2019-20.

Er. Arun Prabha, Chairman, ACCE(I), Mangaluru Chapter, delivered a talk on 'Developing Mangaluru as a Smart City' on the occasion of ACES Students Activity Inauguration 2019-20

Remote Sensing and Drone Application in Civil Engineering

Title: "Remote Sensing and drone application in civil engineering"

Resource Person/Organization: Dr. Raju Aedla, Research Associate, Kumamoto University, Japan Association with ACCE(I), Mangaluru Chapter, Organised by Department of Civil Engineering

Date: 31st August 20.19

Duration: Morning Session

Target Audience: Final year students (120)

A session on 'Remote Sensing and Drone Application in Civil Engineering' was organized for the students of Civil engineering on 31st August, 2019. Dr. Raju Aedla, Research Scientist (Remote Sensing), Kumamoto University Kumamoto, JAPAN. Spoke about the application of Satellite and Drone Image in Civil engineering. He highlighted that engineering is becoming inter disciplinary and each of the streams are complimentary to the growth of all the other sectors. He presented case studies of drone and satellite imagery and how they have transformed and aided in finding solutions to Civil Engineering problems. He also spoke about the opportunities for students to pursue higher education in Japan.

Dr. Raju Aedla, Research Associate, Kumamoto University, Japan delivered a talk on 'Remote Sensing and Drone Application in Civil Engineering'

Technical talk in Association with ACCE(I),Mangaluru Chapter

Title: ***"Augmented Reality in Construction "***

Resource Person/Organization: Dr B Ragvendra K Holla ,Assistant Director - Development MIT,Manipal

Date: 19-09-2019

Duration: Afternoon Session at 2.30 PM to 4.00 PM

Target Audience: Third Year of Civil Engineering.(110)

Brief about the event: 1. Augmented reality in Construction
2.Indoor AR
3.Outdoor AR
4.Hardware components in AR
5.Conceptul diagram of AR
6.Special features in AR
7. Advantages and limitation
8.Conclusions

Keynotes from the address: ***AR, Diagram of Features in AR, Advantages and limitation***

AUGEMENTED REALITY:Superimpostion of computer generated information over User's view of real world.

Indoor AR:

- **The dimensions of the environment are predefined .**
- **Physical restrictions on user's movements and location can be conveniently determined by the AR system.**
- **An indoor environment can be "prepared" by placing sensors, optical markers, or location tracking cameras at important locations.**
  These fixed devices simplify the task of user registration.

Outdoor AR:

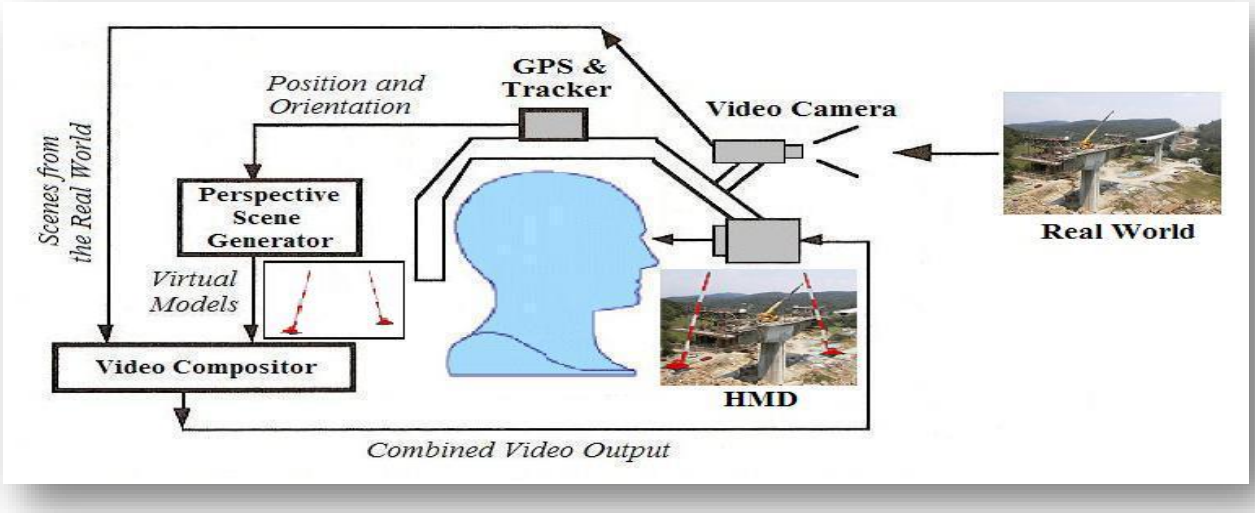
- **Unlike indoor environments, a user operating outdoors has an unlimited number of possible locations and orientations.**
- **The natural variable lighting condition present in an unprepared outdoor environment makes it difficult to employ optical-based tracking method.**

In order to remedy this situation, a general-purpose reusable and pluggable mobile architecture addressing both hardware and software issues in the form of an AR backpack and a modular core software framework was designed.

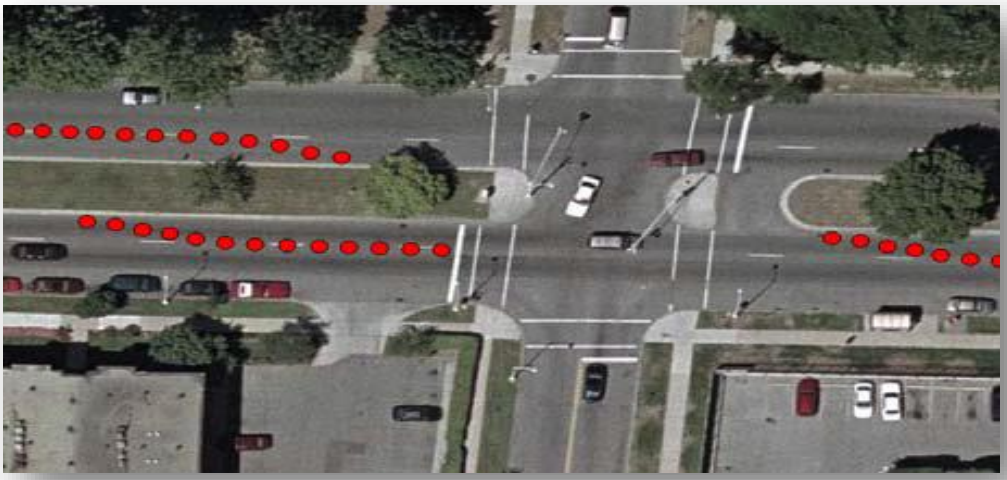
Hardware Components in AR

Hardware Framework

Conceptual Diagram of AR



Special Features in Construction.Planning and Analysis of Road Construction Projects



Visualization And Maintenance of Underground Infrastructure

Advantages and Limitation

Advantages

- **Real-Time Visualization Of Projects.**
- **Better Collaboration & Communication.**
- **Increased Safety.**
- **Projects Delivered On Time & Within Budget.**
- **Increase productivity.**
- **Show information according to the context.**

Construction Phases + Augmented Reality

Limitation

- **Portability and outdoor use: Head–mounted Displays (HMD's) are heavy and bulky and therefore restricts the usability and mobility of HMD for construction practice.**
- **Lack of Motivation: Because of the technology development that is yet needed.**
- **Technological Limitations: Construction sites are expansive in nature and AR requires accurate trackers.**

Graphics: When including more detailed graphics, processing can be slow

Conclusion

- **Although augmented reality is still a novel and relatively new technology it has enormous potential in the construction sector.**
- **This technology can achieve much high rates of sustainability and profitability in the construction sector.**

The Augmented Reality tool in the near future can successfully support the common field tasks such as follows:

- **Facilitating the operations and maintenance of buildings.**
- **Easy visualization of designs and other complex illustrations on site.**
- **Layout and Installation.**
- **Quality control and for inspection purposes.**

Location of concealed works

Photographs:

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Inauguration and Memento Distribution as token of gratitude

Department of Civil Engineering

Technical talk in Association with ACCE(I),Mangaluru Chapter

Title: ***"Advanced Materials in Construction "***

Resource Person/Organization: Er. Anil V Baliga, Proprietor, Manjeshwara Techno Trade

Date: 19-09-2019

Duration: Afternoon Session at 2.30 PM to 4.00 PM

Target Audience: Second Year of Civil Engineering (51)

Brief about the event: 1. Modern materials used in Construction
2. Advancement in construction
3. Modern technologies and Machineries

Keynotes from the address: Modern materials, technologies and machineries

Brief description about the event:

- **The talk was focused on the modern materials used in the construction and modern technologies and machineries available in the market.**
- **The technologies adopted in the field to make the work faster and to reduce number of labours.**
- **Videos related to following topics:**
  - **Simple techniques used to make coloured tiles**
  - **Automatic unloading machines**
  - **Modern brick laying machine**

- **Spray concrete**

- **Epoxy flooring**

- **Also focused on removable wooden flooring**

- **Concrete rollers to makes different impression on the concrete floor**

Photographs:

Inauguration and Memento Distribution as token of gratitude

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-1 (Session 1 & 2)

Title: "*Role of an Engineering Teacher and Outcome Based Education and its Implementation*"

Resource Person/Organization: Dr. Shanmuganeethi .V. ,Head, Dept. of Computer Science & Engineering, NITTR-Chennai

Date: 30.12.2019

Duration: Morning Session (11.00 AM to 1.00PM)

Target Audience: Faculties from various Engineering colleges

Brief about the event:
a) OBE philosophy
b) Attributes of Engineer
c) Issues and concerns- Education, Teaching & Learning
d) Goals, Vision and mission statement

Keynotes from the address:

Dr. Shanmuganeethi .V gave brief information regarding Role of an Engineering Teacher and Outcome Based Education and its Implementation: He highlighted about OBE philosophy, PEO's, PO, CO and learning outcome. He also briefed about Goals, how to define Vision statement of the programme, Mission statement with respect to Business, purpose and value. He gave a brief idea about attributes of engineer; Engineering knowledge; Problem analysis; design and development of solutions; individual & team work; life learning; project management and finance, issues & concerns- Education, teaching and learning.

Photographs:

***Right**: Dr. Shanmuganeethi.V Bhat addressing on Role of an Engineering Teacher and OBE and its Implementation*
***Left**: Floral welcome of Dr.Shanmuganeethi.V. by Dr.G.L.Eshwara Prasad, Principal,MITE*

***Right:** Handover of Appreciation certificate to Dr. Shanmuganeethi V by Dr. Jayaprakash.M.C, Senior Assistant Professor ,Department of civil engineering, MITE,Moodabidri*
***Left:** Participants involved in the training program*

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-1 (Session 3)

Title: "*Bloom's Taxonomy for outcomes*"

Resource Person/Organization: Dr. Thirumaleshwara Bhat, Principal, SMVITM, Bantakal.

Date: 30.12.2019

Duration: Afternoon Session (2.00 PM to 3:15PM)

Target Audience: Faculties from various Engineering colleges

Brief about the event:
a) Bloom's Taxonomy
b) Various tools used
c) Various Levels in BT
d) Defining Outcome

Keynotes from the address:

Dr. Thirumaleshwara Bhat gave brief information regarding Bloom's Taxonomy for outcomes: Creating, Evaluating, Analyzing, Applying, Understanding and Remembering. He also explained about the various levels in BT and its implementation in setting question paper. He also summarized about the various tools that can be used inorder to satisfy the highest level in the BT. He also briefed on the guidelines in usage of various levels while setting question paper. He also summarized on characteristics of Outcome Based Education and it's significance in accrediatation.

Photographs:

Right: *Dr. Thirumaleshwara Bhat addressing on Bloom's Taxonomy for outcomes*
Left: *Participants involved in the training program*

Handover of Appreciation certificate to Dr. Thirumaleshwara Bhat by Mr. Sagar.S., Assistant Professor, Department of civil engineering, MITE,Moodabidri

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-2 (Session 1 and 2)

Title: *"Evaluation and Assessment, Presentation Tools for Class room and Outcome based curriculum design and discussion"*

Resource Person/Organization: Dr. G.Janardhanan Associate Professor & Head Centre for Environmental Management & Centre for International Affairs National Institute of Technical Teachers Training and Research Chennai

Date: 31.12.2019

Duration: Morning Session

Target Audience: Faculties from various Engineering colleges

Brief about the event:

a) Outcome based education and its importance
b) Modern tools for effective teaching using Plickers card, Ed-puzzle, Google forms and hot potato web page for multiple-choice, short-answer, jumbled-sentence, *crossword*, matching/ordering and gap-fill exercises.

Keynotes from the address:

Dr. G.Janardhanan highlighted that Learning is fixed but learning time varies which implies that grasping power of students varies depending upon their ability to understand the concepts. He also said that learning time also depends on teaching strategically techniques. In reference to Outcome based education more focus should be toward end results i.e. whether a graduate has developed and gained sufficient skills so as to reach the industrial requirements. Targets should be on context based education rather than content based education. He also focused on different type of learners such as visualized learners, activity teaching strategy techniques.

Resource person gave demonstration on usage of Plickers card and Ed-puzzle which is an applicative part of active formative assessment tool which helps the student to involve more on academics during teaching learning process. He also explained the usage of Google form for conduction of quiz formative assessment. Further he

revealed the usage of hot potato web page for creation of crosswords, jumbled sentences, multiple-choice questions, *crosswords* and gap-fill exercises.

Photographs:

Dr. G.Janardhanan Associate Professor & Head NITTR Chennai addressing on Presentation Tools for Class room and Outcome based curriculum techniques

Right: *Handover of Appreciation certificate and memento to Dr. G.Janardhanan by* ***Dr****. Venkatramana Bhat P HOD of computer science MITE,Moodabidri*

Left: *Participants involving in usage of Modern Tools in teaching learning process.*

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-2 (Session 3 and 4)

Title: "*NBA Accreditation Process*"

Resource Person/Organization: Dr. Balasubramani R, Professor in Information science department & Incharge of Nitte Startup Ecospace, NMAMIT Niite

Date: 31.12.2019

Duration: Afternoon Session

Target Audience: Faculties from various Engineering colleges

Brief about the event:
a) Accreditation-Why and How to Implement to Programs
b) Accreditation criteria
c) Outcome based Assessment
d) Demonstration of IONCUDOS software for Outcome based Education

Keynotes from the address:
Dr. Balasubramani R gave a brief introduction on Accreditation which means formal recognition of an educational program by an external agency on the basis of impartial assessment against fixed criteria's. He also highlighted the difference between Input Output and Outcome based Assessment. The I/O only focuses on Infrastructure, Number of students, Teachers, Support staff, Management, Curriculum, Pass percentage of students whereas Outcome based assessment deals with the student knowledge, skill and behavior attainment after completion of a course in addition to this whether a graduate has gained the required outcomes so as to full fill industrial requirements.

Further he explained the various NBA Criteria's and its effectiveness in the process of Accreditation. He demonstrated the IONCUDOS software for Outcome based Education, its effectiveness and importance in saving documents for the future references.

Photographs:

Right: *Interaction between Dr. Balasubramani R and participants*
Left: *Floral welcome of Dr. Balasubramani R by Mr.Sagar S Assistant Professor MITE Moodabidri*

Right: *Handover of Appreciation certificate and memento to Dr. Balasubramani R by Dr. Ganesha Mogaveera HOD of civil department MITE,Moodabidri*
Left: *Interaction between Dr. Balasubramani R and participants*

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-3 (Session 1)

Title: "*Student Guidance and Counseling*"

Resource Person/Organization: Dr. Suphala S Kotian, Professor, MHA (Masters in Hospital administration) department, in AJ hospital and Research Centre, Mangalore.

Date: 01.01.2020

Duration: Morning Session (10:00am to 11:10am)

Target Audience: Faculties from various Engineering colleges

Brief about the event:
a) Student guidance and counseling
b) Conflict Management skills, Basic Counseling skills and Guidance approaches

Keynotes from the address:
Dr. Suphala S Kotian started with quote by great scientist Albert Einstein that "Education is not the learning of facts but the training of the mind to think". She describes what is meant by a teacher, types of a teacher: Adhyapak, Upadhyaya, Acharya, Pandit, Drishta and Guru. She focused on problems of students and various skills for crafting an effective student learning:

1. **Conflict management skills**
2. **Basic counseling skills: silence, focusing, attending, summarizing, rapport building, questions, immediacy, reflecting and pampering**
3. **Guidance and counseling approaches: Professional approach, Interaction, Selecting approaches, decision making, motivation, follow up**

She also mentioned Children require guidance more than instructions, which is the main role of a teacher. She gave information regarding what are the solutions to solve conflict: calm, ignore, apologize, ask for help, listen etc. She explained helping the students to make smart goals and about creating self awareness and many other things.

Photographs:

Left: *Floral welcome of Dr. Suphala S Kotian by Dr. Ganesa Mogaveea, HOD of civil department,MITE,Moodabidri*
Right: *Dr. Suphala S Kotian, addressing on Student Guidance and Counseling*

Right: *Handover of Appreciation certificate and memento to Dr. Suphala S Kotian by* ***Prof. Umesh S S, Department of Civil Engineering,*** *MITE,Moodabidri*

Left: *Participants involved in the training program*

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-3 (Session 2)

Title: "*NBA evaluator's perspective*"

Resource Person/Organization: Dr. Sanjay H A, Professor and Head, Department of Information Science & Engg, Nitte Meenakshi Institute of Technology, Bangalore.

Date: 01.01.2020

Duration: Morning Session (11:10am to 1:00pm)

Target Audience: Faculties from various Engineering colleges

Brief about the event:
a) Types of evaluators
b) Award of accreditation
c) Department/program specific criteria
d) Evaluation of each criterion's

Keynotes from the address:
Dr. Sanjay H A gave a brief introduction on types of NBA evaluators, award of accreditation (Tier II for UG). He highlighted the student faculty ratios for 3 years and 6 years accreditation, specific departmental criteria's. Further he explained how the each criterion's (from criteria 1 to criteria 6) are evaluated and documents of each criteria as proof and also proper justification.
Topics covered in his talk:
Criteria 1: application of vision, mission PEO's through stakeholders and so on
Criteria 2: process to identify gaps in PO's & PSO's, content beyond syllabus, academic calendars, pedagogical initiatives, industrial interaction etc.
Criteria 3: assessment process & tools, attainment of CO's, indirect survey, alumini survey, gap analysis etc.
Criteria 4: student's performance
Criteria 5: faculty information and contribution
Criteria 6: facilities and technical support

Photographs:


Right: *Interaction between Dr. Sanjay H A and participants*
Left: *Dr. Sanjay H A addressing on NBA evaluator's perspective*


Right: *Handover of Appreciation certificate and memento to Dr. Sanjay H A by Mr. Yashwanth M K, Assistant Professor, Department of civil engineering, MITE,Moodabidri*
Left: *Participants involved in the training program*

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-3 (Session 3)

Title: "*Project based learning*"

Resource Person/Organization: Dr. Srinivasa Pai P, Professor, Department of Mechanical Engineering at NMAMIT, Nitte

Date: 01.01.2020

Duration: Afternoon Session (2:00pm to 4:30pm)

Target Audience: Faculties from various Engineering colleges

Brief about the event:
a) Historical perspective
b) Alternate methods
c) Introduction to Project Based Learning (PBL)
d) Theoretical Background
c) Examples
d) Literature review
e) Issues of PBL
f) Case studies

Keynotes from the address:
Dr. Srinivasa Pai P gave brief information regarding historical background of project based learning and other alternate methods: problem based learning, case based learning, design based learning and so on. Later he explained what is Project based learning (PBL) which means is an instructional approach that has been used successfully for over 30 years and is gaining acceptance in multiple disciplines (Savery, J.R., 2006). He explained theories behind PBL and six A's of PBL: authentic, academically, active, adult, assessment, apply learning.

He described the characteristics of PBL, class based learning, advantages and disadvantages of class based learning, eight tasks of PBL, how PBL is different, examples/implementation of PBL, some of the literature survey on PBL, issues of PBL includes challenges faced by both student and teacher and some of the case studies of PBL implemented in various engineering disciplines.

Photographs:

Right: *Dr. Srinivasa Pai P addressing on Project Based Learning*
Left: *Floral welcome of Dr. Srinivasa Pai P by Dr. Jayaprakash M C, Senior Assistant Professor, MITE Moodabidri*

Right: *Handover of Appreciation certificate and memento to Dr. Srinivasa Pai P by Mr. Yashwanth M K, Assistant Professor, Department of civil engineering, MITE,Moodabidri*
Left: *Participants involved in the training program*

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-4 (Session 1 & 2)

Title: "*Innovation By faculty in Teaching learning Process*"

Resource Person/Organization: Dr. Suresha.S. N, Department of Civil Engineering NITK, Surathkal

Date: 02.01.2020

Duration: Morning Session (9.30 AM to 1.00PM)

Target Audience: Faculties from various Engineering colleges

Brief about the event:

a) Guiding principles for innovation
b) Role of evaluation in TLP
c) Student learning attainmnets
d) Tools used for teaching learning process
e) case study

Keynotes from the address:

Dr. Suresha S.N gave brief information regarding Innovation By faculty in Teaching learning Process: He highlighted about guiding principles for innovation as: Do what you love; put a dent in the universe; kick start your brain; sell dreams not products; say no to 1000 things; master the message and so on. He also mentioned about the seven success principles of Steve Jobs stating Think Differently about Career (TDAY). He also briefed about "How xerox grabbed defeat from the jaws of victory" and "The innovation secrets of Steve Jobs" as a case study. He also briefed regarding the various tools that can be implemented in teaching learning process effectively.

Photographs:


Right: Dr. Suresha S.N addressing on Innovation By faculty in Teaching learning Process
Left: Welcome of Dr. Suresha S. N by Dr.C.R. Rajashekhar, Vice principal, MITE


Right: *Handover of Appreciation certificate to Dr. Suresha.S.N by Prof. Umesh.S.S ,Department of civil engineering, MITE,Moodabidri*
Left: *Participants involved in the training program*

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-4 (Session 3)

Title: "*Importance of NBA accreditation in Technical Institution*"

Resource Person/Organization: Dr. Ganesh Mogaveer,HOD, Dept. of Civil Engineering, MITE

Date: 02.01.2020

Duration: Afternoon Session (2.00 PM to 3.15PM)

Target Audience: Faculties from various Engineering colleges

Brief about the event:
a) Importance of NBA
b) Objective of the programme
c) Specific benefits of NBA
d) Strengths of NBA

Keynotes from the address:

Dr. Ganesh Mogaveera gave brief information regarding Importance of NBA accreditation in Technical Institution: He briefed about the strengths of NBA : admissions, placements, higher studies, faculty cadre proportion, innovation by faculty in teaching learning process, R&D, Budget allocation and utilization and so on. He also discussed about the objectives of the programme: Preparation, core competence, learning environment. He briefed about the benefits of NBA accreditation for Institution, faculty and students. He discussed on specific benefits of NBA and future scenario without NBA accreditation.

Photographs:

Right: *Dr. Ganesh Mogaveera addressing on Importance of NBA accreditation in Technical Institution*

Right: *Handover of Appreciation certificate to Dr. Ganesh Mogaveera by Mr. Shashikumar, Assistant Professor,Department of civil engineering, MITE,Moodabidri*
Left: *Participants involved in the training program*

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-4 (Session 4)

Title: "*Documents Preparation for Criteria 1 & 2 and Evaluators Perspective*"

Resource Person/Organization: Dr. Thirumaleshwara Bhat , Principal, SMVITM, Bantakal

Date: 02.01.2020

Duration: Afternoon Session (3.30 PM to 4.30PM)

Target Audience: Faculties from various Engineering colleges

Brief about the event:

a) Document preparation for criteria 1
b) Document preparation for criteria 2
c) Program curriculum
d) Quality of Internal semester-question papers, assignments & evaluation
e) Quality of student projects
f) Initiatives-industry internship and summer training

Keynotes from the address:

Dr. Thirumaleshwara Bhat gave brief information regarding Documents Preparation for Criteria 1 & 2 and Evaluators Perspective: He highlighted about the distribution of marks for the various criteria from 1 to 10. He also briefed about the process for defining the vision and mission of Department & PEO'S of the program. He also gave information on quality of internal semester-question papers, assignments & evaluation, quality of student projects, initiatives related to industry interaction, industry internship and summer training.

Photographs:

Dr. Thirumaleshwara Bhat addressing on Documents Preparation for Criteria 1 & 2 and Evaluators Perspective

Right: *Handover of Appreciation certificate to Dr. Thirumaleshwara Bhat by Prof. Umesh.S.S ,Department of civil engineering, MITE,Moodabidri*
Left: *Participants involved in the training program*

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-5 (Session 1 and 2)

Title: "*Necessary preparation for NBA process*"

Resource Person/Organization: Dr Prasad Krishna Professor and Head, TEQIP Coordinator NITK Suratkal.

Date: 03.01.2020

Duration: Morning Session

Target Audience: Faculties from various Engineering colleges

Brief about the event:

a) Necessary preparation for NBA process

b) Difference between outputs and outcomes, course plan, knowledge and skills, Alumni relationship cell, professional Accreditation and program evaluation, Institution presentation and department presentation, updated Data base of 5years, Importance to exit survey.

Keynotes from the address:

Dr. Prasad Krishna highlighted that Learning Happens after the class (Outcomes are always measured after the class). He said that During Mahabharata students has been evaluated based on their outcomes. He also briefed out the difference between outputs and outcomes and how the college is judged by the output which includes past percentage, placement details, number of publications, number of computers per student and number of books per student. In reference to *Necessary preparation for NBA process* more focus should be towards a very well established Alumni relationship cell, program evaluation as well as professional accreditation. He also suggested us to concentrate on real world problem rather than referring to text book problems. He also explained the Importance of Quality control assessment program, Updated copy of SAR and importance of Exit survey.

Photographs:

Dr. Prasad Krishna Professor & Head NITK Suratkal addressing on Necessary preparation for NBA process.

Right: *Handover of Appreciation certificate and memento to* Dr. Prasad Krishna *by* Dr. *Ganesh Mogaveer HOD of civil engineering MITE,Moodabidri*

Left: *Participants involving in mindfulness meditation.*

Department of Civil Engineering

Report on the Outcome based education and NBA accreditation

Day-5 (Session 3)

Title: "*Documents preparation for criterion 3 and 4 and evaluation perspectives*"

Resource Person/Organization: Dr. Jayaprakash M C Senior Assistant professor Depatment of Civil Engineering MITE Moodabidri.

Date: 03.01.2020

Duration: Morning Session

Target Audience: Faculties from various Engineering colleges

Brief about the event:

a) Documents preparation for criterion 3 and 4 and evaluation perspectives
b) Criterion 3 – course outcomes and program outcomes-120 and Criterion 4 – Student's performance – 150, Self-assessment report (SAR) Format, undergraduate engineering programs (TIER- II)

Keynotes from the address:

Dr. Jayaprakash M C gave introduction about CAY – current academic year, CAY – Current assessment year. He briefed about 3. COURSE OUTCOMES AND PROGRAM OUTCOMES Which includes 3.1 Establish the correlation between the courses and the program outcomes (PO's) and program specific outcomes (PSO'S) 3.2 Attainment of course outcomes 3.3 Attainment of program outcomes (PO's) and program specific outcomes (PSO'S). HE also gave an idea about 1. Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) 1.1 Course Outcomes (COs) (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses and made available as evidence, if asked) (05) 1.2 CO-PO matrices of courses selected in 3.1.1 (six matrices to be mentioned; one per semester from 3rd to 8th semester) (05) 1.3 Program level Course-PO matrix of all courses INCLUDING first year courses (10). He also briefed about Assessment Process of CO-PO-PSOs and Assessment Tools of CO Attainment and Attainment Process of Course Outcomes and Program Outcomes and PO-PSO attainment process.

Photographs:

Dr. Jayaprakash M C Senior Assistant professor Depatment of Civil Engineering, MITE addressing on Documents preparation for criterion 3 and 4 and evaluation perspectives.

Department of Civil Engineering
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Report on the Webinar Conducted

Title: ***"Environmental Engineering Career Options and Job Prospects"***

Resource Person/Organization: **Dr. Ravi D R, Environmental Officer, KSPCB, Bangalore**

Date: **13-06-2020**

Duration: **Afternoon Session at 3.00 PM to 4.00 PM**

Target Audience: **Students of Civil Engineering (145)**

Brief about the event: **1. Thrust areas in the Environmental Engineering**
2. Air, water and land pollution
3. Biomedical waste management

Keynotes from the address: **Air pollution Control, Solid waste management and biomedical waste**

Brief description about the event:

- **The webinar on "*Environmental Engineering Career Options and Job Prospects*" was conducted in the pandemic COVID 19 situation for the benefit of Civil Engineering students.**
- **The resource person is mainly focused on the issues of environment and their control measures with proper modern technologies and civil engineers contribution**
- **The technologies adopted in the field to make the environment clean and safe.**
- **Videos related to following topics:**
  - **Technological Challenges**
  - **Environmental Problems and Prevention**
  - **Air pollution issues and control technology**
  - **Bio medical waste issues, treatment and disposal**
  - **Hazardous waste management**
  - **Career options and job prospects in the environmental engineering field.**

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*E-Certificate will be issued to all the attendees those who submit the questionnaire and feedback form

Webinar video link: https://drive.google.com/file/d/10BtnQNc0sQcsg5C63y_qEc892RfoFY0-/view?usp=sharing

Department of Civil Engineering
(Accredited by NBA)

Report on the Webinar Conducted

Title: ***"Beating the COVID Blues!"***

Resource Person/Organization: **Dr. Ganesh Mogaveer, Professor & Head, Department of Civil Engineering, Mangalore Institute of Technology & Engineering**

Date: **24-07-2020**

Duration: **Afternoon Session at 10.30 AM to 11.30 AM**

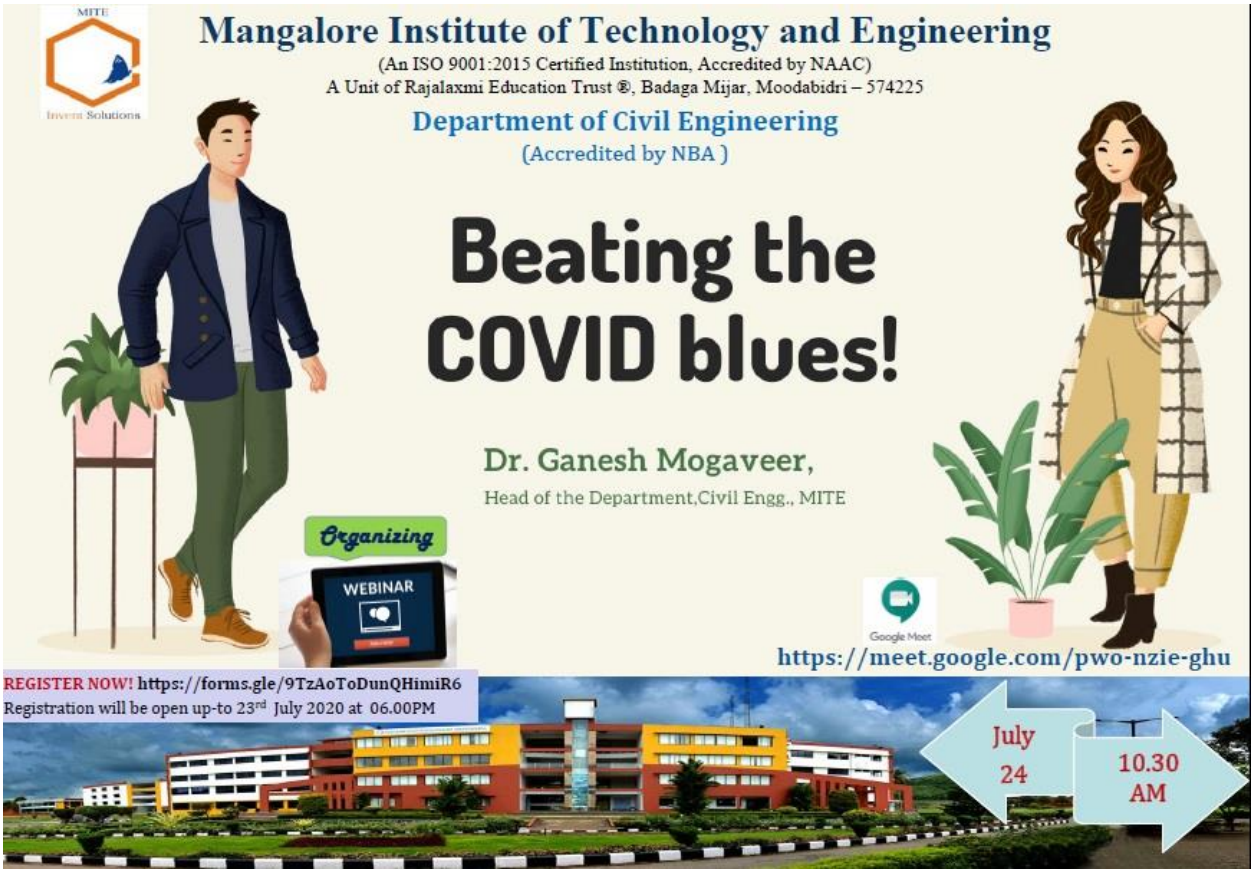
Target Audience: **Students and Faculty of Engineering (145)**

Brief about the event: **1. Pandemic COVID Situation**
2. How to come out from the Pandemic
3. Students awareness

Keynotes from the address: **Pandemic COVID Situation**

Brief description about the event:

- **The webinar on "*Beating the COVID Blues!*" was conducted in the pandemic COVID 19 situations for the benefit of Engineering students.**
- **Videos related to following topics:**
  - **Pandemic COVID Situation**
  - **Changed Lifestyle in the Pandemic**



Webinar video link:
https://drive.google.com/file/d/1FrqpAYnRn9Gu_j7bqo8LwaT4nkKEEPMT/view?usp=sharing