



Mangalore Institute of Technology and Engineering

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(A Unit of Rajalaxmi Education Trust)

Badaga Mijar, Moodbidri-574225

DEPARTMENT OF CIVIL ENGINEERING

Department Activities Report for the Academic Year 2018-19[Odd Semester]				
Sl. No.	Event	Date	Resource Person	Topic
1	Training Program	10.7.2018 to 15.7.2018	Er. Manjunath Reddy, SAI CAD Centre, Bangalore	AUTO CAD Training Program
2	Induction Program	26.7.2018 & 27.7.2018	Dr. Ganesh Mogaveera, Mr. Ajay H A, Mr. Jayanth K S (Professors), Dept. of Civil Engineering, MITE	Induction Program for Faculty
3	Workshop	2.8.2018	Er. Yeshavanth G, Lawrence & Mayo (I) P. Ltd., Hampankatta, Mangaluru	Total Station Workshop
4	Orientation Program	6.8.2018	Dr. Ganesh Mogaveera (Professor & Head), Dept. of Civil Engineering, MITE	Orientation Program for III Semester
5	Workshop	10.8.2018 & 11.8.2018	Er. Manjunath Reddy (Proprietor), SAI CAD Centre, Bangalore	Workshop on 3D Miniature Modelling
6	Interaction Program	14.8.2018	Er. Pramith Prabhakar	Alumni - Student Interaction Program
7	Lecture	21.8.2018	Dr. Ganesh Mogaveera (Professor & Head), Dept. of Civil Engineering, MITE	Lecture on "How to write Project Synopsis"
8	Industrial Visit	25.8.2018		Industrial Visit to THUMBE Dam
9	Industrial Visit	1.9.2018	Master Plannery, Puttur	Industrial Visit to Master Plannery
10	Inauguration	9.9.2018	Er. Govind Ramesh (Managing Director), Agrima Roofs & Facades, Bangalore	Inauguration of ACES
11	Technical talk	18.9.2018	Er. Anil V Baliga (Proprietor), Manjeswara Techno Trades & Er. Sudhir Shetty (Director), IRC Concretmix India Pvt. Ltd. Mangalore	Advanced Civil Engineering Construction materials & Readymix Concrete – Technical talk
12	Technical talk	5.10.2018	Er. Shridhar Avabhrath & Er. Surya Shekar, Konkan Railway	Technical Talk on Internship – Konkan Railway
13	Industrial Visit	27.10.2018	Er. Rajendra Kalbavi (Co-Ordinator), D.K. Nirmithi Kendra, Surathkal, Mangalore	Industrial Visit to D.K. Nirmithi Kendra, Mangalore
14	Workshop	16.11.2018	Er. M N Ramesh (Managing Director), Er. Keerthan Kumar (Deputy Manager), TALRAK Construction, MCF & Er. Siddesh Kamath Mhamai (Head), Qcrete Readymix India Pvt. Ltd. Mangalore	One day hands on training workshop on Self Compacting Concrete



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Department Activities Report for the Academic Year 2018-19[Even Semester]				
Sl. No.	Event	Date	Resource Person	Topic
1	Awareness Program	12.2.2019	Mr. Someswara Rao Kola, APEX Team	Student Awareness Program for GATE Exam
2	Industrial Visit	22.2.2019	Er. Shivaprasad (Plant Supervisor), RMC, Baikampady Mangalore	Industrial Visit to RMC Batching Plant, Baikampady, Mangalore
3	Technical Talk	1.4.2019 & 2.4.2019	Dr. Raju Aedla (Research Scientist), Kumamoto University Kumamoto, Japan	Two days Technical Talk on Satellite/Drone Image Processing & Remote Sensing
4	Technical Talk	9.4.2019	Er. Pradeep Hebbar (Senior Manager), Maxpro Engineers Pvt. Ltd. Bangalore	Steel Structures -An Overview
5	Industrial Visit	27.4.2019	Er. Shiva Subrahmanya (Site Engineer)	Industrial Visit to Gurupura Bridge Construction Site, Dakshina Kannada



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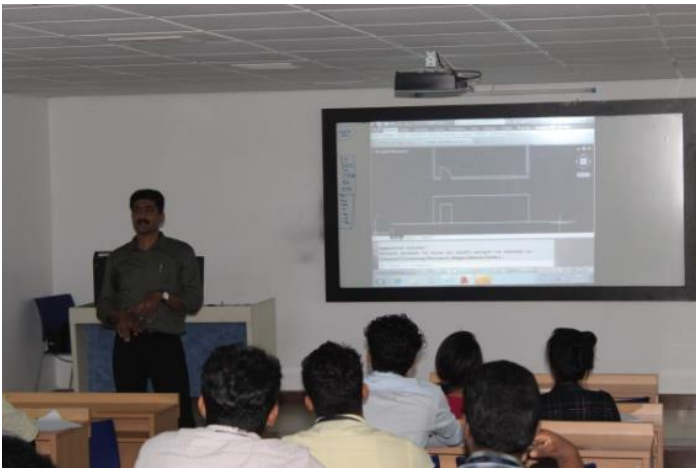
Event: Auto CAD training Program

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

Date: 10th to 15th July 2018

Description about the event:

- Er. Manjunath Reddy, SAI CAD centre, Bangalore is conducting Auto CAD Certificate Course in every year for 2nd year Civil Engineering students from SAI CAD Centre, Bangalore in the semester vacation. This training program is organizing by Department of Civil Engineering every year.
- In the AUTO CAD training program, experts from SAI CAD Center, Bangalore will deliver lecture in the morning session with batch wise student's for the effective learning. In the afternoon session hands-on AUTO CAD software training will be conducting in Auto CAD Laboratory in the Department of Civil Engineering, MITE Campus.



Er. Manjunath Reddy, Sai CAD Center, Bangalore, Delivering a lecture at the Week long program and student participants of Auto CAD training Program.



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Event: Teacher's workshop for facilitating student's induction

Resource Person/Organization: Dr. Ganesh Mogaveera, Mr. Ajay H A and Mr. Jayanth K S, Professors, Department of Civil Engineering, MITE

Date: 26th to 27th July 2018

Description about the event:

- In this ever-changing world and growing economy, technical advancements plays a major role in making human lives better and easy. Hence the field of Science & Engineering has become a most sought after profession in the world. Although, we observe a lot of advancements in those areas, somewhere Human beings are lacking the very qualities of what made them Human. To take control of what's happening and to imbibe moral, ethical and human values into the people, AICTE has come up with a measure that the Students who have joined Engineering should be taught the importance of Human values in the first few days of their Engineering study by conducting Induction Program.
- AICTE has taken an initiative and conducted a workshop on this Induction Program for the Lecturers on how to induct these values into the students. Dr. AshaCrasta and Ms. Shreya Prabhu of Mangalore Institute of Technology and Engineering attended a week long workshop. They presented their learning to few selected faculties from each department in the workshop organised by the Institution from 23/07/18 to 25/07/18. From the Civil Engineering department Dr. Ganesh Mogaveera, Mr. Ajay H A and Mr. Jayanth K S took part in the workshop at Institution level.
- Dr. Ganesh Mogaveera, Mr. Ajay H A and Mr. Jayanth K S were invited as resource persons for the teachers Workshop for facilitating Induction program organised for the faculties of Civil Engineering department on 26th to 27th July, 2018. The program highlighted the importance of teaching Human values to the students so that they inculcate such values and grow up to be responsible citizens of the country and responsible human beings. The program was conducted in 3 sessions; each session was followed by an activity to explain the values of communication, natural acceptance and co-ordination.

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Dr. Ganesh Mogaveera, Mr. Ajay H A and Mr. Jayanth K S, Professors, Department of Civil Engineering, MITE, Delivering a lecture at the two days induction program for faculty



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Event: Total Station Workshop

Resource Person/Organization: Er. YESHAVANTH G, Lawrence & Mayo (I) P. Ltd

Date: 2nd August 2018

Description about the event:

- The demonstration and training on PENTAX Total Station to Civil Engineering teaching and non-teaching faculties of our college on 2nd August 2018, in our college premises by Yeshavanth G., Lawrence & Mayo (I) P. Ltd, Hampankatta, Mangaluru, has demonstrated the operation and maintenance of TOTAL STATION for our departmental teaching & non-teaching faculty in the afternoon session from 2:00pm to 4:00pm. This enriches the knowledge on total station through interaction with eminent personalities from industries.

Benefit of the program:

- Total Station is the most widely preferred modern surveying instrument in the civil industry. It is a combination of an electronic theodolite, an electronic distance meter (EDM) and software running on external computer known as data collector. Civil engineers acquainted with the use of Total Station are hence preferred in the industry. However, Total Station is absent in the current schemes of engineering education. Experts in the industry, hence propose getting industrially trained in using Total Station surveying equipment.
- The Department of Civil Engineering, MITE took the initiative of conducting Extensive Survey Camp using total station for the academic year 2018-19. This will help a bridge the gap between education and industry standards for the current breed of engineering students. The working knowledge of Total Stations hence would be an added advantage to the skill sets of engineering students.



Er. YESHAVANTH G, Lawrence & Mayo (I) P. Ltd, delivering a demonstration of working of TOTAL STATION



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Event: Orientation Program for III Semester

Resource Person/Organization: Dr. Ganesh Mogaveera, Professor & Head, Department of Civil Engineering, MITE

Date: 6th August 2018

Description about the event:

- Orientation Program is being conducting every year for 2nd year Civil Engineering students from the Department of Civil Engineering. During the orientation program, head of the department was glance over about rules and regulation of the department, academic curriculum, discipline and scope of the civil engineering field in their future job opportunities.



*Dr. Ganesh Mogaveera, Professor & Head, Department of Civil Engineering, MITE,
Delivering a lecture at the 2nd year student's orientation program.*

Event: 3D Miniature Modelling

Resource Person/Organization: Er. Manjunath Reddy, Proprietor, SAI CADD

Date: 10th & 11th August 2018

Description about the event:

- Two days workshop on “3D MINIATURE MODELLING” was organized by the Department of civil Engineering for 5th semester students. Workshop developed creativity in the student mind. Students Prepared different models like Eiffel Tower, Suspension Bridge, Fly over, Railway Bridge etc. using Materials like Ice cream Sticks, Cardboard Sheets, Chalk Piece, Glue etc. Total 10 Models were prepared by the students under the guidance of SAI CADD team.



Er. Manjunath Reddy, Proprietor, SAI CADD inaugurating the two days workshop by lighting the lamp



Various 3D Miniature Model prepared by the V semester students



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Event: Alumni – Student interaction Program

Resource Person/Organization: Er. Pamith Prabhakar

Date: 14th August 2018

Description about the event:

- Alumni Interaction with Students get immeasurable value from their interactions with alumni. Getting involved with alumni students as a class speaker, club contact, or mentor will be contributing to their future career success, thus enhancing alumni's reputation in the marketplace and the value of the degree.
- Alumni interaction give alumni an important opportunity to reconnect with their alumni mater to provide inaccurate academic advice, not realizing that graduation requirements have changed since they left campus, especially in regard to general education requirements. These programs give alumni the opportunity to cultivate and recruit promising young people to their place of employment after graduation.
- Er. Pamit Prabhakar, addressed in his interaction with civil engineering students to build stronger connections to the institution through interaction with alumni. Today, many students are studying “vocational” curricula in which networking is key and previous experience is necessary. He has explained his present working competence, field knowledge, job opportunities etc.



Er. Pamith Prabhakar (2016-17 Batch), sharing his working experience during his alumni interaction with students



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Event: How to Prepare Project Synopsis

Resource Person/Organization: Dr. Ganesh Mogaveera, Professor & Head, Department of Civil Engineering, MITE

Date: 21st August 2018

Description about the event:

- “How to write Project Synopsis” was conducted for final year Civil Engineering students from the Department to enhancing and important of synopsis preparation to conduct the good innovative projects in the field of civil engineering.
- Dr. Ganesh Mogaveera, head of the department given the overview of good project synopsis and few case studies to the final year students and it is very much essential for upcoming budding students in the field of civil engineering.



*Dr. Ganesh Mogaveera, Professor & Head, Department of Civil Engineering, MITE,
Delivering a lecture at the “How to Prepare the Project Synopsis”*

Event: Industrial visit to THUMBE Dam

Date: 25th August 2018

Description about the event:

Industrial visit has been arranged,

- To fill the academic gap between curriculum and industry.
- To improve the learning experience of the students.
- To understand about the water treatment processes and the design units of water treatment units

Outcomes of the Visit,

- Students gained the knowledge of the vented dam and its features.
- The pumping station and jack well and its operation was observed by students.
- Students understand the backwashing of filtration.
- They observed the alum, coagulant mixing, chlorine and disinfection

They observed the cascade aerator.



Experimental demonstration given from Thumbe vented dam authority to students

Event: Industrial visit to Master Plannery

Resource Person/Organization: Master Plannery

Date: 1st September 2018

Description about the event:

The industrial visit,

- Fulfill the academic gap between Curriculum and Industry
- Understand the new innovative Construction Methodologies.

Features of Industrial Visit

- Manufacture of seaters for the Konkan Railways.
- Manufactures of door, frames, interlocks, wall robes, tables, precaststaircase, domesconstruction, precastslabs, Concwood etc.



Concwood technology learned and observed during the Master Plannery industrial visit at Puttur



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Event: Inauguration of ACES 2018-19

Resource Person/Organization: Er. Govind Ramesh, Managing Director, Agrima Roofs and Facades, Bangalore

Date: 9th September 2018

Description about the event:

- ACES (Association of Civil Engineering Students) is a student's of civil engineering association, it 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. Govind Ramesh, *Managing Director, Agrima Roofs and Facades, Bangalore*, his inaugural address said that the civil engineering students are the back bone of the country. Budding engineers should serve the nation with innovative technology which should reach the common people.



Er. Govind Ramesh, Managing Director, Agrima Roofs and Facades, Bangalore, inaugurating the activities of the 2018-19 Association of Civil Engineering Students



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Event: Advanced Civil Engineering Construction Materials and Readymix Concrete – *Technical Talk*

Resource Person/Organization: Er. Anil V. Baliga, Proprietor, Manjeswara Techno Trades and Er. Sudhir Shetty, Director, IRC Concretemix India Pvt. Ltd, Mangalore

Date: 18th September 2018

Description about the event:

- A Technical Talk was jointly organized by Department of Civil Engineering and ACCE (I), Mangalore in association with RAMCO Cements Ltd. On the occasion of “Techno Meet 2018” to mark the occasion of birthday celebrations of Sir. Mokshagundam Visvesvaraya.
- The invited resource persons, Er. Anil V. Baliga, Proprietor, Manjeswara Techno Trades and Er. Sudhir Shetty, Director, IRC Concretemix India Pvt. Ltd, Mangalore were mainly focused on advanced innovative cost effective materials for construction purposes and dealt on their properties, advantages and how well readymix concrete can be used in construction. Resource persons are also given the guidance regarding the future opportunities in the field of Civil Engineering.



Er. Anil V Baliga and Er. Sudhir Shetty delivering a talk on the occasion of “Techno Meet 2018”

Event: Technical Talk on Internship – KONKAN RAILWAY

Resource Person/Organization: Er. Shridhar Avabhrath and Er. Surya Shekar

Date: 5th October 2018

Description about the event:

- Er. Shridhar Avabhrath and Er. Surya Shekar were overviewed on internship and job opportunities in Konkan Railway for 3rd year students in connection to internship program.
- The resource persons gave a picture of importance of internship and invited students to take up internship in Konkan Railway, where they can learn the necessity and job opportunities in Railway and also explained how Konkan Railway works and the budget allotted for railways, challenging works undertaken by Konkan Railway.



Er. Surya Shekar from Konkan Railway briefed about internship and job opportunities at Konkan Railway



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Event: Industrial Visit to D.K. Nirmithi Kendra, Mangalore

Resource Person/Organization: Er. Rajendra Kalbavi, Co-Ordinator of D.K.Nirmithi Kendra, Surathkal

Date: 27th October 2018

Description about the event:

- The Industrial visit was to provide the knowledge on cost Effective alternate eco-friendly modern building technologies, industrial Environment, workers and employee etc.
- The Construction activity is enormously increasing day by day in India which leads to either acute shortage of building materials or to accept the substandard materials which are available in the market which increases not only the cost of construction but also waste of available energies like Fire wood, Petroleum by products which is a burden on national resources.
- There are so many R & D institutes in India like CBRI, SERC, IIT, RRL etc., have developed so that we can reduce the cost of construction and also we can conserve the energy to a large extent and also recycling of waste materials. Government of India has established Building Centers in each district under the National Network of "Building Centers" in India. These are all "Technology Transfer" Centers. These Building Centers will promote and propagate the proven technologies from the above R&D Institutes to the field on "Lab to Land" principles. Dakshina Kannada district administration has established one such centre called "DAKSHINA KANNADA NIRMITHI KENDRA " on 1989, Er. Rajendra Kalbavi, Co-Ordinator of D.K.Nirmithi Kendra, Surathkal, which is located at Surathkal and it is functioning by the having body under the Chairmanship of Deputy Commissioner, D.K. district.
- **Awareness Programme:** Awareness Programme on Cost Effective Building Materials and Technologies for the various targets groups like in service Technical and Administrative personnel of the State Government and other Government departments, non-officials of Zilla Panchayaths, Taluk Panchayaths & Grama Panchayaths, Teaching staff of the Technical Schools like Polytechnics, ITI's etc., students from the technical schools like school of Architecture, Engineering, Polytechnics & ITI's and General Public.
- **Production:** Nirmithi Kendra will take up construction of various types of buildings from Government sector as well as from Private Sector in order to show the efficacy of the Cost Effective Technologies in different buildings like, Tourist Cottage, Office buildings, Hostels, residences etc.

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Receiving certificate from Er. Rajendra Kalbavi, Co-Ordinator of D.K.Nirmithi Kendra, Surathkal for industrial visit program at Nirmithi Kendra



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Event: One day hands on training workshop on Self Compacting Concrete

Resource Person/Organization: Er. M. N Ramesh, Managing Director of TALRAK construction and Er. Siddesh Kamath Mhamai, Head, Qcrete Readymix (India) Pvt. Ltd., Mangalore

Date: 16th November 2018

Description about the event:

- One day hands on training workshop was organized by Department of Civil Engineering (ACES.). This training was mainly focused on preparing self-compacting concrete and to find its workability. This program was conducted to give practical knowledge about self-compacting concrete (SCC) which is a present trending and new types of concrete which is suitable for most of the complicated civil engineering construction. This event has two sessions morning session was entirely meant for design of self-compacting concrete using suitable codal provisions and afternoon session is for SCC preparation demo by the experts and conducting various tests on it. At the end of the event students were addressed about SCC and its application in civil engineering field and took the feedback from students about the program.
- The invited resource person Er. M. N Ramesh, Managing Director of TALRAK construction and Er. Keerthan Kumar deputy manager MCF mainly focused on advancement about the construction and new types of concrete coming. Resource persons delivered talk on self-compacting concrete and its application, design of SCC, and its suitability for various civil engineering activities.

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Er. M. N Ramesh, Managing Director of TALRAK construction, delivering a talk on Ready mix concrete and its application



Er. Siddesh Kamath Mhamai, Head, Qcrete Readymix (India) Pvt. Ltd., Mangalore, demonstrating the readymix concrete preparation in the concrete laboratory

Event: Student awareness program for GATE exam

Resource Person/Organization: Mr. Someswara Rao Kola, APEX Team

Date: 12th February 2019

Description about the event:

- Student awareness program for GATE exam is being conducting for 3rd year Civil Engineering students from Mr. Someswara Rao Kola, APEX Team, during the Student awareness program for GATE exam, experts from APEX team delivered a lecture in the morning session for the student's. This program is intended to create awareness in students about the career opportunities and higher education through GATE exam.



Mr. Someswara Rao Kola, APEX Team,, Delivering a talk on career opportunities and higher education opportunities at Student awareness program for GATE exam



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Event: Industrial Visit to RMC Batching Plant, Baikampady, Mangalore

Resource Person/Organization: RMC Batching Plant, Baikampady, Mangalore

Date: 22nd February 2019

Description about the event:

- Industrial training is mandatory to bridge the gap in the academic curriculum and in the industry. This helps the students to develop their skills and competencies in order to become employable. It provides an opportunity for students to apply theoretical knowledge acquired in the class room with practical application of knowledge required to perform a task. To meet this need, Mangalore Institute of Technology and Engineering, Technology keep arranging industrial visit for the students.
- One such industrial visit was organized at RMC RMCReady-mix, Baikampady, Mangalore. With this kind of industrial visit, we gained more knowledge on Concrete Technology application aside from the theoretical aspect learned from the classrooms and laboratory.
- Er. Shivaprasad, RMC Plant supervisor has explained the practical knowledge about dry mixing, wet mixing of concrete. They learnt about new technology about different admixture, on site testing of concrete working knowledge on total stations which are widely in use across civil engineering and other industries.
- A Technical Explanation of RMC was given by Mr. Shivaprasad RMC Plant supervisor. First, he explained us regarding the Concrete Mix Plant Capacity, Testing Unit of Concrete, Compressive Strength of Concrete, and Curing Tank for Curing of Concrete, Transit Mixer, Material used in Concrete, Design parameters, etc. He also shared some knowledge about their experience regarding to Concrete Mix. They also prepared the dry mix mixing of cement, sand and aggregate. After that by adding the water the concrete is prepared. The concrete test like slump is also done there itself. The concrete is filling in the transporting truck and transported to the construction site. Students show the laboratory which is situated at the plant. Laboratory assistance show us the test conducting on materials as well as on concrete. They perform the compression test of concrete also. Student also shows the software use for the running plant. From this visit, students got information and practical knowledge about dry mixing, wet mixing of concrete. They learnt about new technology about different admixture, on site testing of concrete. About 76 students were benefited from this visit as they got chance to discuss with authorities working at plant.

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RMC Batching Plant, Baikampady, Mangalore



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Event: Two Days Technical Talk On Satellite/Drone Image Processing & Remote Sensing

Resource Person/Organization: Dr. Raju Aedla, Research Scientist (Remote Sensing), Kumamoto University Kumamoto, JAPAN

Date: 1st & 2nd April 2019

Description about the event:

- A two days talk on “Advanced Satellite/Drone Image Processing And Remote Sensing Techniques With Sustainable Approaches” was organized for the students of Civil engineering at MITE on the 1st and 2nd April, 2019. Dr. Raju Aedla, Research Scientist (Remote Sensing), Kumamoto University Kumamoto, JAPAN, conducted the technical talk.
- Dr. Raju spoke in depth about the application of Satellite and Drone Imaging in Civil engineering. He highlighted that engineering is becoming inter disciplinary and each of the streams are complimentary to 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.
- The session also had Dr. Raju talking about writing Research proposals and validating them. He also spoke about the opportunities for students to pursue higher education in Japan.



Dr. Raju Aedla delivering the talk at MITE



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Event: Industrial Visit to Gurupura Bridge Construction Site, Dakshina Kannada

Date: 27th April 2019

Description about the event:

- Industrial visit was organized at NEW GURUPURA BRIDGE CONSTRUCTION, DAKSHINA KANNADA. With this kind BRIDGE CONSTRUCTION, DAKSHINA KANNADA. With this kind of industrial visit, students gained more knowledge on bridge solid RCC Piers construction and abutments, construction methodology and on site testing of concrete aside from the theoretical aspect learned from the classrooms and laboratory.
- The bridge on National Highway 169 (Mangaluru-Sholapur section) has been proposed to be constructed under engineering, procurement and construction (EPC) mode. The technical explanation on the construction methodology solid RCC Pier and abutments, Rebar fabrication was given by Er. Shiva Subrahmanya, Site Engineer. They also show few structural plan of bridge on National highway 169 and structural detailing drawings.
- Students understood the importance of workplace safety for each and every employee in the industry because all the workers desire to work in a safe and protected atmosphere. Health and safety is the key factor for all the industries in order to promote the wellness of both employees and employers. It is a duty and moral responsibility of the organization to look after the employee's protection.

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New Gurupura Bridge Construction on National Highway 169 (Mangaluru-Sholapur Section), Dakshina Kannada