



Dr. M.G.R
EDUCATIONAL AND RESEARCH INSTITUTE
(Deemed to be University with Special Autonomy Status)
Accredited by NAAC with 'A' Grade (CGPA 3.51 for 4 point scale)
An ISO Certified Institution



DEPARTMENT OF CIVIL ENGINEERING



CONTOUR



2020-2021



ABOUT THE UNIVERSITY

Aiming to bring about change and progress through education, the Tmt. Kannammal Educational Trust was constituted in 1985 and started Thai Moogambigai Polytechnic Collage. Within three years of its inception, Dr .M.G.R Engineering collage was founded in 1988, and the Thai Moogambigai Dental Collage inception, Dr .M.G.R Engineering collage was founded in 1988, and the Thai Moogambigai Dental Collage was started in the year 1991. Both the collages acquired Deemed university status in 2003 as Dr. M.G.R. Educational and Research Institute as per the orders of the University Grants Commission, New Delhi and the Union Ministry of Human Resources and Development, Government of India, New Delhi.

The 21st century poses a lot of challenges that could be overcome with the help of Education and Technology, Keeping this in mind

Dr. M.G.R. Educational and Research Institute University was started with a vision of providing a better foothold for the students of today to face the challenges. To succeed in the world today you more than just Academics. The modern adults is expected to have a combination of technical Know-how and ambitious confidence. Being aware of the demand that is placed on the youth today, Dr. M.G.R. Educational and Research Institute University has preserved to nurture and groom young men and women through Engineering, Medical, Dental and Humanities and Sciences.

FROM THE PRESIDENT'S DESK



**THIRU A.C.S ARUN KUMAR
B.TECH (HONS.), LMISTE, MIET (UK), LMCSI**

I am delighted to know that the Department of Civil Engineering of Dr. M.G.R Educational and Research Institute University is publishing a Technical Magazine
“CONTOUR - 2020 - 2021”

I hope that this magazine will emerge out well and help people know more about the times.
I wish all the success for the magazine.

ER. A.C.S.ARUN KUMAR

FROM THE VICE CHANCELLOR'S DESK



**PROF. DR. S. GEETHALAKSHMI
VICE-CHANCELLOR**

It is indeed a matter of great happiness to and that the Department of Civil Engineering at Dr. M.G.R. Educational & Research Institute University proposed to publish its Technical Magazine CONTOUR-2020 - 2021.

A Technical Magazine such as this is required for growth and progress of departmental activities, including publishing articles, papers, research activities etc. I am sure that this type of publishing technical magazine will prove its mettle by providing an opportunity for bringing out the writing talent which bears immense potentiality of sharpening Students' communication skill as part of their over all personality development and also will direct their creativity to new dimensions of mature expression.

I congratulate all the contributors and the editorial board for bringing out such a technical magazine.

PROF. DR. S. GEETHALAKSHMI

FROM THE RECTOR'S DESK



PROF DR. D.VISWANATHAN
RECTOR

It gives me great pleasure and so I extended my hearty congratulations to the Department of Civil Engineering for publishing Technical Magazine, “CONTOUR 2020 - 2021”. An Expression of ideas and opinions through “CONTOUR” article shoes our student's level of thinking and their high ability to learn from their surroundings.

My best wishes to the Department and editorial team for their dedication in making this magazine a reality. I hope this magazine continues to grow and represent the achievements of Dr. M.G.R Educational and Research Institute University and Civil Engineering Department.

PROF DR. D.VISWANATHAN

FROM THE REGISTRAR'S DESK



DR. C.B. PALANIVELU
REGISTRAR

Civil Engineering , one of the oldest Engineering, is a profession which has several related disciplines that deals with the design, construction, and maintenance of the built environment, including works like roads, bridges, canals, dams, and buildings.

It gives me great pleasure that Department of Civil Engineering is bringing out the Technical Magazine, “CONTOUR 2020-2021” to serve the Students, Faculties and Research scholars of our university and other institutions by giving them latest and technical matters related to Civil Engineering.

I am sure that this will create awareness and bring out innovative ideas about the enormous applications of Civil in the field of Engineering and other related disciplines.

At this juncture I congratulate every one for their team work to bring out this Magazine .

DR. C.B. PALANIVELU



FROM THE JOINT REGISTRAR'S DESK



DR. T. FELIX KALA JOINT REGISTRAR STUDENT AFFAIRS

I wish you all a safe and successful year 2021. This magazine is our symbol of enthusiasm and urge of knowledge in all fields of learning and blend of creativity and talents of our flourishing students. It is also very momentous way of projecting the inexhaustible quench of knowledge of our department,

And also portrays the latest advancements to the blend perfection of knowledge. At the juncture, I hereby take this opportunity to pass my good wishes to one and all of the staff members, Editorial board and student volunteers for their untiring effort to release this sound magazine very successful.

The word “THANKS” is not enough to convey our Department gratitude to our President Er.A.C.S. ArunKumar for his constant encouragement and support to achieve the goals of our department in a successful way.

DR. T. FELIX KALA

FROM THE JOINT REGISTRAR'S DESK



It gives me great pleasure that Department of Civil Engineering is bringing out the Technical Magazine, “CONTOUR 2020-2021” to serve the Students, Faculties and Research scholars of our university and other institutions by giving them latest and technical matters related to Civil Engineering.

My best wishes to the Department and editorial team for their dedication in making this magazine a reality. I hope this magazine continues to grow and represent the achievements of Dr. M.G.R Educational and Research Institute University and Civil Engineering Department.

DR.S.ARIVALAGAN

FROM THE HOD'S DESK



I am pleased to know that our Civil Engineering Department is once again successful in bringing their second issue of magazine “CONTOUR” for the academic year 2020-2021.

The most important aspect we could derive from this stupendous effort is that it brings out the various technical and analytical skills of the budding engineers.

I also applaud the coordination and efforts behind the team to bring out this issue.

I wish them all success. Further I am glad to welcome students with more interest in bringing the article with more bright concepts and innovative ideas in the next issue.

I wish them to experience victory in all of their future endeavours.

DR.T.KAVITHA



DEPARTMENT OF CIVIL ENGINEERING

INTRODUCTION

Department of Civil Engineering was established in 2002 and has been a part of university since its inception. The Department has grown over the years and recognized as one of the major engineering department in the country. The Department has developed strong links with various industries, academics and research, both within and outside the country. Besides high quality teaching instruction for both UG and PG levels the department has organized various the national and international level of conferences, symposiums and workshops. The department of civil engineering with its multifaceted faculty continues to maintain and cultivates the talent among young engineers.

VISION

To achieve the pinnacle of success in the area of sustainable constructions and green technologies, thus stimulating economic growth and making the society a better place to live in.

MISSION

- To produce graduates who possess technical competence in their chosen specialty area of Civil Engineering with integrity and commitment.
- To prepare them to serve and contribute as innovators, professional engineers, and leaders in the global community.



QUALITY POLICY

The department strives to establish a system of quality assurance to continuously address, monitor and evaluate the quality education offered to students and to promote an effective teaching - learning process for the benefit to transform the institution into a Centre of Excellence in Engineering and Technological studies

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

The Educational Objectives of the Civil Engineering program are designed to produce skilled Engineers who could effectively contribute to the Civil Engineering profession with an ability to meet its current and future challenges.

To apply fundamental technical knowledge and skills to find creative solutions to technological challenges and problems in various areas of basic sciences and engineering.

To analyze, design and use skills in order to formulate and solve Civil Engineering problems.

To practice Civil Engineering in a responsible, professional and ethical manner and implement eco- friendly sustainable technologies for the benefit of industry and society.

To create knowledge through research and development in Civil Engineering and allied fields and modernize the teaching levels.

To make students professionally competent by enhancing their communication skills, team spirit, leadership and also to prepare them for lifelong learning through innovative and research activities.



PROGRAM OUTCOMES (POs)

- Understanding the fundamentals in the Engineering field
- Creation of an ability to develop problem solving attitude
- Designing, implementing the current technology and performing and conducting experiments by changing the parameters and interpreting the results
- Development of the environmental knowledge through innovative ideas by using current technology
- Facing the problem in the society and solving them
- An ability to understand the environmental impact and sustain in the environment
- Understanding legal, security and social issues and responsibilities
- Working in team thereby exploring multidisciplinary talents
- Communicating effectively in the societal activity such as public speaking, in conference etc.
- Developing interest in the individual to have an open mind to learn and accept things in the entire life
- Applying the software skills, managerial skills, for the industrial issues and also an ability to manage the finance

PROGRAM SPECIFIC OUTCOMES (PSO)

The Specific objectives of the Civil Engineering program are designed to produce skilled engineers who could effectively contribute to the Civil Engineering profession with an ability to meet its current and future challenges. The Civil Engineering department is committed to produce Civil Engineers with the potential:

- To apply fundamental technical knowledge and skills to find creative technological solutions
- To function as an individual or in a team to find solutions for civil engineering problems of multi disciplinary nature in the context of environmental and sustainable development.



DEPARTMENT FACULTIES

Dr. Felix Kala T Ph.D	Dean(E&T)/Professor
Dr. Kavitha T Ph.D	HOD/Professor
Dr. Arivalagan S Ph.D	Professor
Dr. Narayanan RM. Ph.D	Professor
Dr. Sankaran S Ph.D	Professor
Dr. Muralikrishna M Ph.D	Professor
Dr. Reddy Babu G Ph.D	Professor
Dr. Renganathan A Ph.D	Professor
Dr. Sekaran V Ph.D	Professor
Dr. Vijayakumar H Ph.D	Professor
Dr. Balamurugan R Ph.D	Professor
Dr. Ganesh Babu K V Ph.D	Professor
Dr. Rajesh Kumar V Ph.D	Professor
Dr. S Charles Ruskin Kumar Ph.D	Associate Professor
Dr. Sethuraman V.S. Ph.D	Associate Professor
Dr. Sudhakar R Ph.D	Associate Professor
Dr. Rajesh C.N Ph.D	Associate Professor
Dr. C Manikandan Ph.D	Associate Professor
Dr. Arivumangai A Ph.D	Asst Professor
Dr. Narmatha M Ph.D	Asst Professor



DEPARTMENT FACULTIES

Dr.Lekshmi Mohan Ph.D

Asst Professor

Dr.A.Paul Mahesh Ph.D

Asst Professor

Mr. Kalaigan R M.E.,(Ph.D)

Asst Professor

Mr.Manikandan M M.Tech.,(Ph.D)

Asst Professor

Mr. Ramakrishna D M.S

Asst Professor

Mr. Edwin D Thangam M.E.,(Ph.D)

Asst Professor

Mr. Mallikarjuna Reddy K M.E., (Ph.D)

Asst Professor

Ms. Leela D M.Tech.,(Ph.D)

Asst Professor

Ms. Loveley Kumari M.TECH.,(Ph.D)

Asst Professor

Ms Gomathi Nagajothy M.E.,(Ph.D)

Asst Professor

Ms.Depaa. RA. B. M.E.,(Ph.D)

Asst Professor

Ms.E.Rani M.E.,(Ph.D).

Asst Professor

Ms. Priyadarshini V M.Tech.,(Ph.D)

Asst Professor

Ms.A.Hemamalinie M.TECH.

Asst Professor

Mr.P.Jeyakumar M.Tech

Asst Professor

Ms. N. Uma Devi M.Tech

Asst Professor

Mr.Sivaraman M.E.

Asst Professor

Mr.Bill Clinton M.Tech

Asst Professor

ACHIEVEMENT OF THE YEAR

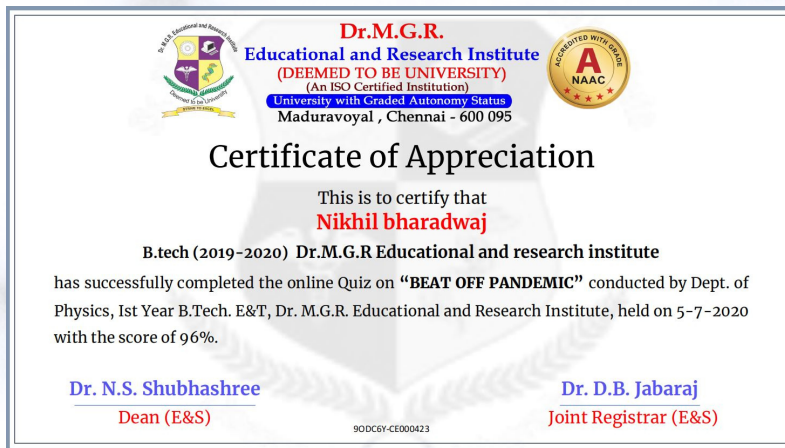


Civil Engineering Department has been selected one of the best department among top ten private Engineering institutions in India during the year 2021. The award has been solemnised by The Academic insights , Bengaluru. At this moment, on behalf of the department, we are happy to thank Our Honorable Chairman, Honorable President, Vice Chancellor, Pro-vost, Rector, Pro-vice chancellor and all Executives, Deans and our department faculty members and non teaching staff for their support to make this great achievement.

Thankyou, HOD/Civil Engg.,



ACHIEVEMENTS



DEPARTMENT EVENTS





**Title of the Event : Bridge 2019
(A National level polytechnic meet)
on 14.03.2019**



**Title of the Event : aakriti 2019 (symposium)
on 27.09.2019**

WEBINAR

**Dr. M.G.R.**
EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University
MAARU (MADRAS) UNIVERSITY
Madhavoyal, Chennai - 600 093, Tamil Nadu, India.
(24-100-1000-1011) Contact numbers



Faculty/Department of Civil


Welcomes you

for the

Webinar

"Microcharacterization of Hydrated Cement Paste"

By



Dr. T. Palanisamy
Assistant Professor
Department of Civil Engineering,
NITK Surathkal

At

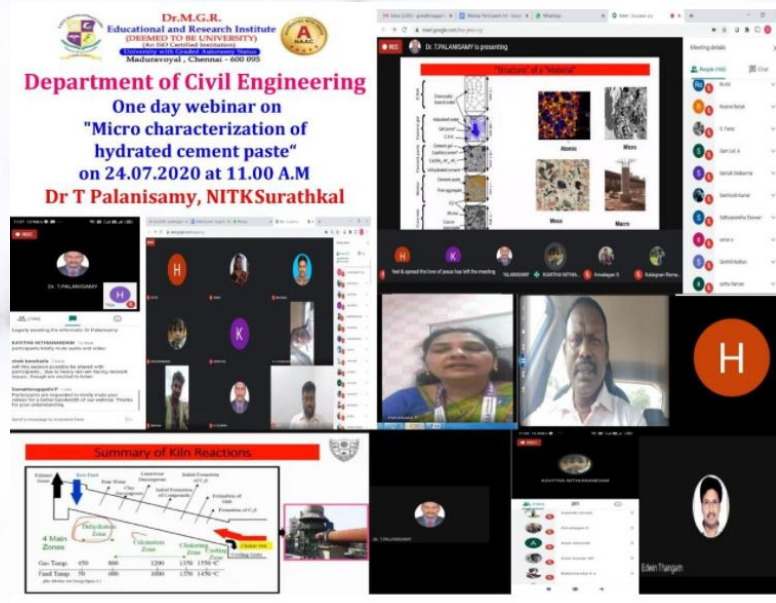
University Conference Hall, Adyalampattu Campus

24th July 2020 11.00 am

Dr. T. Kavitha
Dr. RA. B. Depaa
Mis. V.Priyadarshini
Mrs. A.Hemamalini
Organising Secretary

Dr.M. Manikandan
Association Convener

Dr. R. Sudhakar
Dept. Head



Title of the Event : Micro characterization on hydrated cement paste
Chief Guest: Dr.T.Palanisamy, Assistant Professor, National Institute of Technology, Surathkhal, on 24.07.2020 at 11.00 AM. Venue: Online.

The resource person Dr.T.Palanisamy explained about the micro characterization of hydrated cement paste. It was very informative and fruitful for Faculty, Research scholars, PG and UG students. He shared about the basic micro analysis methods in concrete through images, text, videos, etc. At end of the session, he answered the questions posted by the participants in the chat box. The participants gave good feedback about the webinar. Our sincere thanks to our management for giving us the opportunity for conducting this webinar in a very successful manner.

Dr. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University
Hyderabad, Telangana - 500 075, India
(An ISO 9001:2015 Certified Institution)

Faculty Of Engineering & Technology
Department of Civil Engineering

Welcomes you
for
Technical Talk
on
"Water Proofing Techniques"
By


Mr. Bharath Kumar.P.R
Sr. Manager
Commercial IT building Projects,
M/s RMZ Corporation, Hyderabad.

Through G-Meet Online Platform

 **3rd October 2020**
(Saturday)  **4 to 5 pm**

Ms.GomathiNagajothi.P
Dr.V.S.Sethuraman
Organising Secretary

Dr.S. Arivalagan
Head – Civil
Engineering

REC

Average pore size in concrete is 10,000 nm whereas the diameter molecule is only 0.28 nm! The pore in concrete is at least 35x larger than the diameter of molecule!

Pores in concrete

Gas pores	Capillary pores	Air pores
$< 10^{-7}$ m	10^{-7} to 10^{-4} m	$> 10^{-4}$ m

Porosity is reduced with:

- Reduced W/C
- Shrinkage
- Vibration, dynamic compaction
- Proper placement
- Proper curing

(55)

Manikandan Muniyandi (You)

Gomathinagajothi P

Bharath Kumar

Gomathinagajothi P

Also in the meeting (51)

**Title of the Event : Technical Talk
(Water Proofing Techniques)
on 03.10.2020 @4:00 pm venue : online**

Dr. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University
Hyderabad, Telangana - 500 075, India
(An ISO 9001:2015 Certified Institution)

Faculty Of Engineering & Technology
Department of Civil Engineering

Welcomes you
for
Alumni Lecture
on
"Green Building Concepts"
By


Dr. Soundarya
Assistant Professor/Civil Engg,
CMR Institute of Technology,
Bengaluru.

Through G-Meet Online Platform

 **5th October 2020**  **6 pm**

Dr.V.S.Sethuraman
Ms.Gomathi Nagajothi.P
Organising Secretary

Dr.M. Manikandan
Association Convener

Dr. S. Arivalagan
Head – Civil
Engineering

REC

Alumni Talk_Green Building Concepts

People (78)

Chat (1)

Add people

Host controls

Gomathinagajothi P (You)

1001 ABHISHEK KUMAR

1002 Antony Roshan

1002ajet kumar

1002Ajith Kumar V

1003Anul Stevak.s

1004 Arun Aravinthan.T

Dr.SOUNDARYA N

Arivalagan S

1610 Pitimoy Chakma

1023 mukesh kumar

1609 Nithin Vikash. K

Turn on captions

Present now

**Title of the Event : Alumni Lecture
(Green Building Concepts)
on 05.10.2020 @6:00 pm, venue : online**

Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University
WILSON COASTAL ROAD, CHENNAI - 600 092
(As per UGC 2019 Central Guidelines)

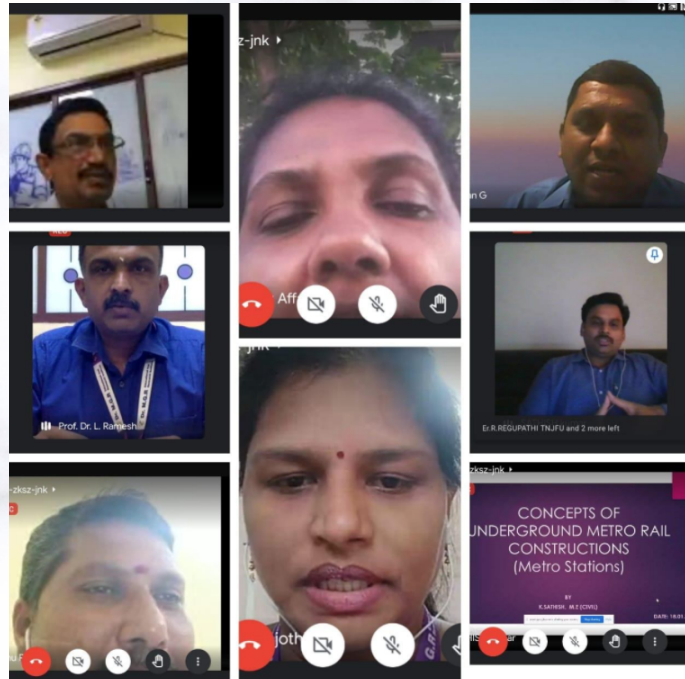
Department of Civil Engineering
Solicits your presence on the inauguration of the
Industry – Academia Conclave Through Virtual Connect
Six Days Skill Development Program (FDP)
on
**RISK SAFETY MANAGEMENT IN METRO RAIL
CONSTRUCTIONS**
Through
Online Virtual Platform
at 4.45 pm on 18th January 2021

Er. A.C.S. Arun Kumar
President, Dr. M.G.R. Educational & Research Institute
Presides

Dr. G. Janardhanan
Associate Professor
Department of Civil and Environmental Engineering
National Institute of Technical Teachers Training & Research (NITTTR)
Taramani, Chennai,
inaugurates and delivers the inaugural address

Dr. S. Geethalakshmi
Vice Chancellor, Dr. M.G.R. Educational & Research Institute
delivers the introductory address

Dr. S. Arivalagan Dean / Head	Dr. C.B. Palanivelu Registrar
-----------------------------------------	-----------------------------------------



Faculty of Engineering and Technology , Department of Civil Engineering,
RISK SAFETY MANAGEMENT IN METRO RAIL CONSTRUCTIONS
from 18th to 23rd January 2021, 05.00 pm - 06.00 pm.

Metro projects are extremely-uncertain for the reason that of the natural uncertainties in-ground and groundwater conditions, multiple construction methods and tools. A lot of attempts made to execute risk safety management systems into urban metro rail construction projects. The aim is to construct a new type of model for risk safety management in metro rail projects, to study the existing risk safety management system and to identify the risks that occur during construction and to create, implement, and determine the efficiency of the model for safety in the construction of metro rail projects. The factors were identified from the literature study. The questionnaire survey has been framed with the nine risk factors and conducted among the employees working in metro tunnel construction projects, and analysis has been carried out through SPSS software.



Faculty Development Program on Building Information Modeling (BIM) was conducted for faculty by Mr Sri Mahendran, Director of technical team – CADD India on 08.10.2020 through online mode (via Google meet and Team viewer) , Department of Civil Engineering at 2.00 pm.

The speaker enumerated that Building Information Modeling (BIM) software which required by every Civil Engineer. He also discussed that BIM is very valuable tool in the field of architecture as well as construction industry.

Mr Sri Mahendran, motivated the faculty that learning something different is always beneficial. Building information modeling (BIM) is a process supported by various tools, technologies and contracts involving the generation and management of digital representations of physical and functional characteristics of places.

The speaker also discussed about the benefits of using BIM software.

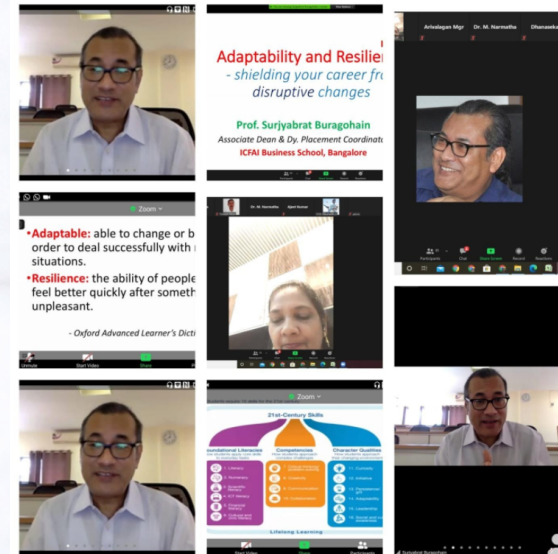
Dr.M.G.R
EDUCATIONAL AND RESEARCH INSTITUTE
(Deemed to be University)
Maduravoyal, Chennai - 600 095, Tamil Nadu, India.
(An ISO 21001:2018 Certified Institution)
University with Special Autonomy Status

Department of Civil Engineering
Webinar
on
Adaptability and Resilience
How can you Shield Your career from disruptive changes?

Prof. Surjyabrat Buragohain
Academician-cum-Entrepreneur

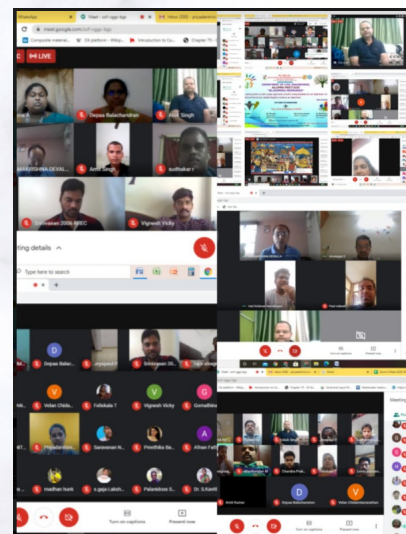
Date: 12/10/2020
Time: 10.30 AM - 11.30 AM

Zoom Link:- <https://zoom.us/j/6076200254?pwd=YlcZQldsVjBtM0pWTktrYWJyZDdkdz09>



TITLE : "Adaptability and Resilience - How can you shield your career from disruptive changes?"

A brief video about the idea generation, innovation, opportunity evaluation, business model and business planning was presented to the participants. The resource person Prof. Surjyabrat Buragohain explained about the Adaptability and Resilience - How can you shield your career from disruptive changes?". It was very informative and fruitful for Faculty, Research scholars, PG and UG students. He shared about the basic through images, text etc. At end of the session, he answered the questions posted by the participants in the chat box. The participants gave good feedback about the webinar. Our sincere thanks to our management for giving us the opportunity for conducting this webinar in a very successful manner.



DEPARTMENT OF CIVIL ENGINEERING Organised *Alumni Meet 2020 -Blooming memories* On 18th OCTOBER, 2020 *04:00 Pm to 06:30 PM

The participants had a knowledge sharing session which would help them to discover their employment opportunities. Our Alumni has brought great glory to our institution. They have set the example of being a successful and good human being. They inspire us to have a clear conscience, the courage to speak the truth, and the importance of being authentic. It is an extremely sensitive and emotional event that sparks nostalgia among everyone. This day is very important, it provides an opportunity for everyone to meet each other after so many years. It also provides a chance for every graduate from the previous years to meet their former teachers and other staff members. It also helps the alumni to notice the various changes through which the college has gone through over the past few years. Our college has established a tradition to stay with their contacts. To continue the tradition, our college has again organized an alumni meet. Our sincere thanks to our management for giving us the opportunity for conducting this webinar in a very successful manner.



Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University
UNIVERSITY WITH GRADED AUTONOMY STATUS
Madhavayal, Chennai - 600 095, Tamilnadu, India.
(An ISO 9001:2015 Certified Institution)





Resource Person
Dr. T. Kavitha
Deputy HoD, Civil Engg,
Dr M G R Educational & Research
Institute

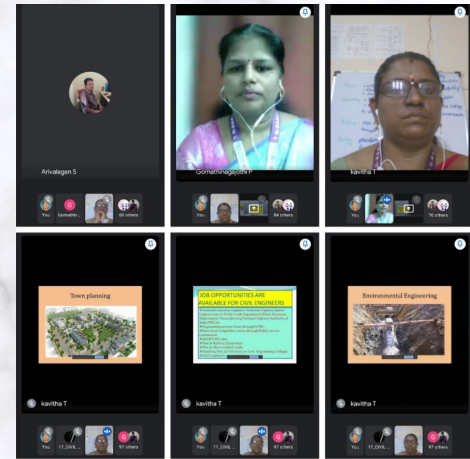
Department of Civil Engineering
organizes
Skill Enhancement Program for students
on
Lime Lights on Career Opportunities

Day -1 : Job Opportunities in Civil Engineering Domain

26th April 2021
10.30 am
G-Meet Online Platform

Mrs. Gomathi Nagajothi P
Event Co-ordinator

Dr. S. Arivalagan
Head, Civil Engineering



SKILL ENHANCEMENT PROGRAM - STUDENTS - DAY 1 MONDAY, APRIL 26 • 10:30 – 11:30AM



Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University
UNIVERSITY WITH GRADED AUTONOMY STATUS
Madhavayal, Chennai - 600 095, Tamilnadu, India.
(An ISO 9001:2015 Certified Institution)





Resource Person
Dr. R. Sudhakar
Associate Professor, Civil Engg,
Dr M G R Educational & Research
Institute

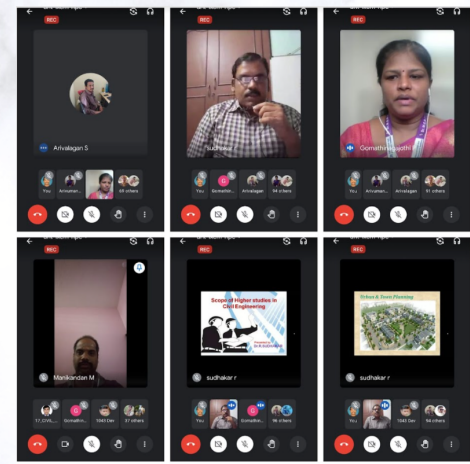
Department of Civil Engineering
organizes
Skill Enhancement Program for students
on
Lime Lights on Career Opportunities

Day -2 : Scope of Higher Studies in Civil Engineering

28th April 2021
10.30 am
G-Meet Online Platform

Mrs. Gomathi Nagajothi P
Event Co-ordinator

Dr. S. Arivalagan
Head, Civil Engineering



SKILL ENHANCEMENT PROGRAM - STUDENTS - DAY 2 WEDNESDAY, APRIL 28 • 10:30 – 11:30AM



Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University
UNIVERSITY WITH GRADED AUTONOMY STATUS
Madhavayal, Chennai - 600 095, Tamilnadu, India.
(An ISO 9001:2015 Certified Institution)



30th April 2021
10.30 am
G-Meet Online Platform

Department of Civil Engineering
organizes
Skill Enhancement Program for students
on
Lime Lights on Career Opportunities

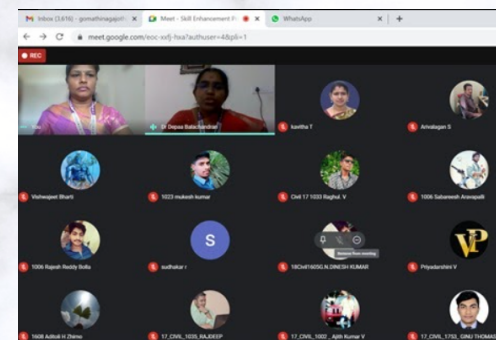
Day -3 : Glimpse Towards Career Approach



Resource Person
Dr. RA. B. Depaa
Associate Professor, Civil
Dr M G R Educational &
Research Institute

Event Co-ordinator
Mrs. Gomathi Nagajothi P

Dr. S. Arivalagan
Head, Civil Engineering



"GLIMPSE TOWARDS CAREER APPROACH" BY DR.RA.DEPAA. SKILL ENHANCEMENT PROGRAM - STUDENTS - DAY 3 FRIDAY, APRIL 30 • 10:30 – 11:30AM



Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University
UNIVERSITY WITH GRADED AUTONOMY STATUS
Meduravoyal, Chennai - 600 095, Tamilnadu, India.
(An ISO 9001:2015 Certified Institution)





Department of Civil Engineering
organizes
Skill Enhancement Program for students
on
Lime Lights on Career Opportunities

Day - 4 : Career opportunities as Geotechnical Specialist

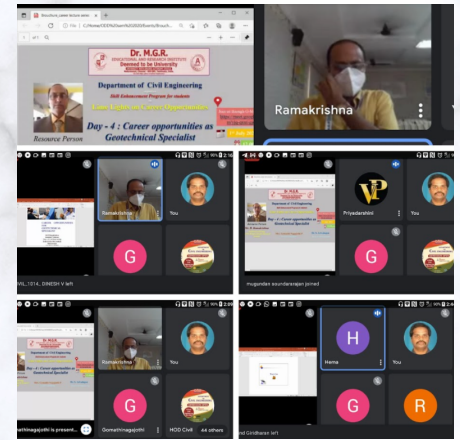
Join us through G-Meet @
<https://meet.google.com/yjq-qxui-gjq>

1st July 2021
12.00 pm

Resource Person
Mr. D. Ramakrishna
Asst.Prof. Civil Engg.
Dr M G R Educational & Research Institute

Mrs. Gomathi Nagajothi P
Event Co-ordinator

Dr. S. Arivalagan
Head, Civil Engineering



**" CAREER OPPORTUNITIES AS GEOTECHNICAL SPECIALIST" BY
MR.D.RAMAKRISHNA.
SKILL ENHANCEMENT PROGRAM - STUDENTS - DAY 4
JULY 1 • 12:00 AM**



Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University
UNIVERSITY WITH GRADED AUTONOMY STATUS
Meduravoyal, Chennai - 600 095, Tamilnadu, India.
(An ISO 9001:2015 Certified Institution)



Department of Civil Engineering
organizes
Skill Enhancement Program for students
on
Lime Lights on Career Opportunities

Day -5 : Career Opportunities as Structural Engineer



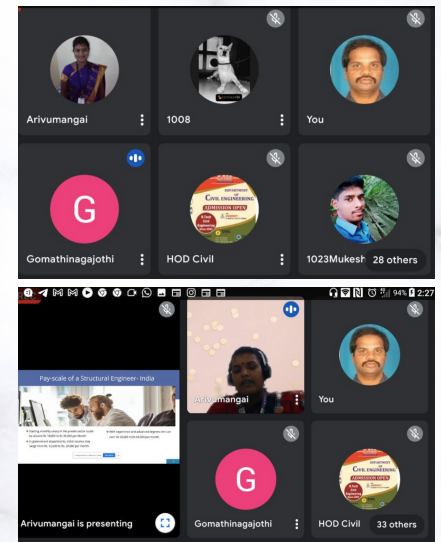
Resource Person
Dr. A.Arivumangai
Assistant Professor, Civil Engg
Dr M G R Educational & Research Institute

Event Co-ordinator
Mrs. Gomathi Nagajothi P

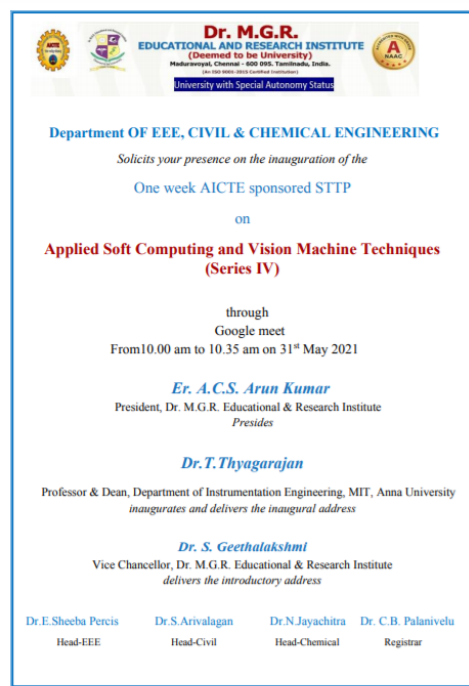
Dr. S. Arivalagan
Head, Civil Engineering

2nd July 2021
2.00 pm

Join us at G-Meet
meet.google.com/ryj-spbf-utv



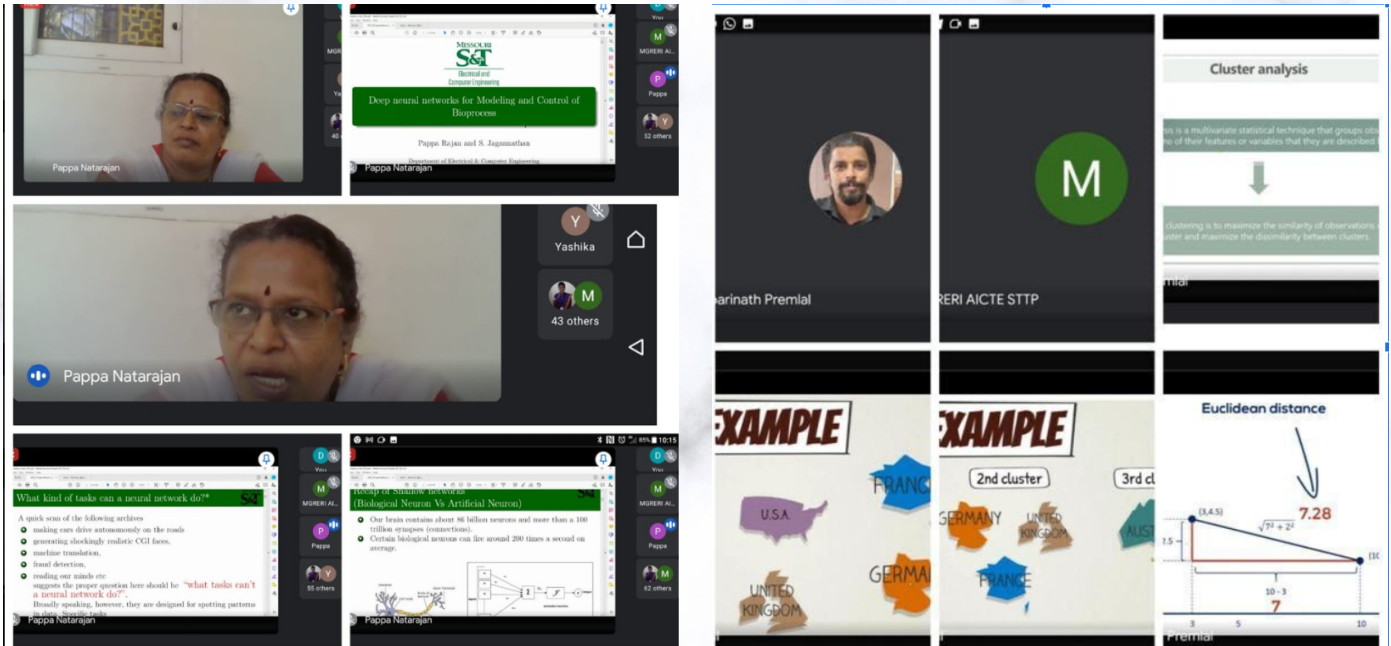
**" CAREER OPPORTUNITIES AS GEOTECHNICAL SPECIALIST" BY
MR.D.RAMAKRISHNA.
SKILL ENHANCEMENT PROGRAM - STUDENTS - DAY 4
JULY 1 • 12:00 AM**



STTP ON APPLIED SOFT COMPUTING AND VISION MACHINE TECHNIQUES – SERIES IV FROM 31ST MAY – 5TH JUNE 2021 by EEE, CIVIL and CHEMICAL DEPARTMENT

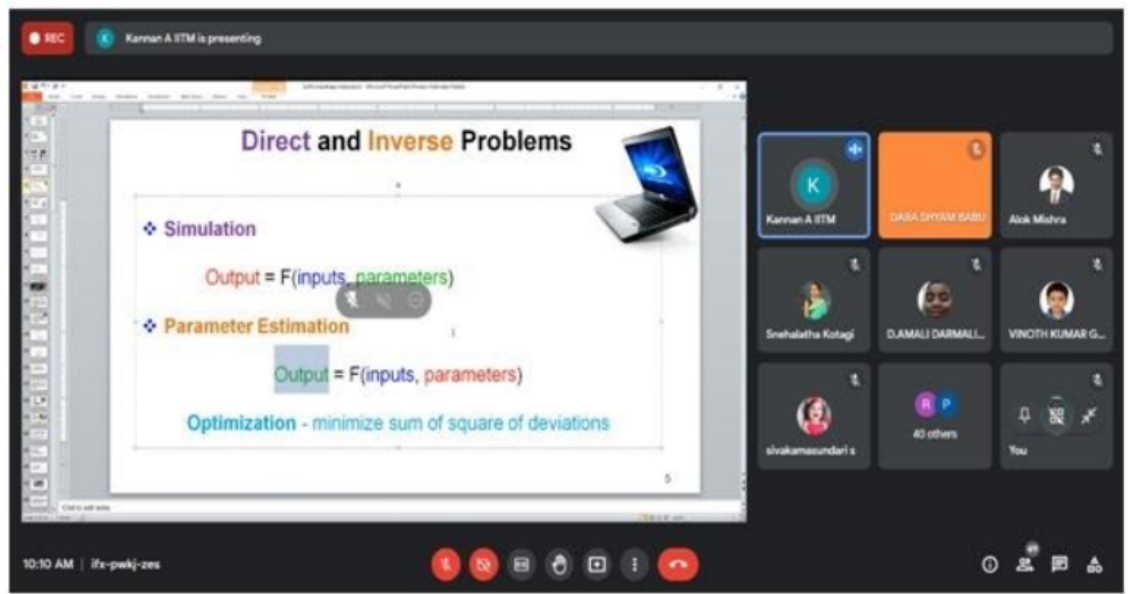
Faculty of E&T, Dr. M.G.R. Educational and Research Institute, Chennai under the benevolence of our Honorable President sir and Honorable Secretary sir is organizing series of webinars, FDP's and professional talks. We express our heartfelt thanks to Prof. Dr. S. Geetha Lakshmi our Vice Chancellor madam for the constant support and guidance. In continuation with programs conducted.

Soft Computing is based on some biological induced methods such as genetics, development, and behavior, the swarm of particles, the human nervous system, etc. The journal of Soft Computing has more demand in the International market because this computing work on the real time application areas such as Fuzzy Logic, Expert System, Computational computing, and Artificial Neural network System. Our sincere thanks to our management for giving us the opportunity for conducting this webinar in a very successful manner.

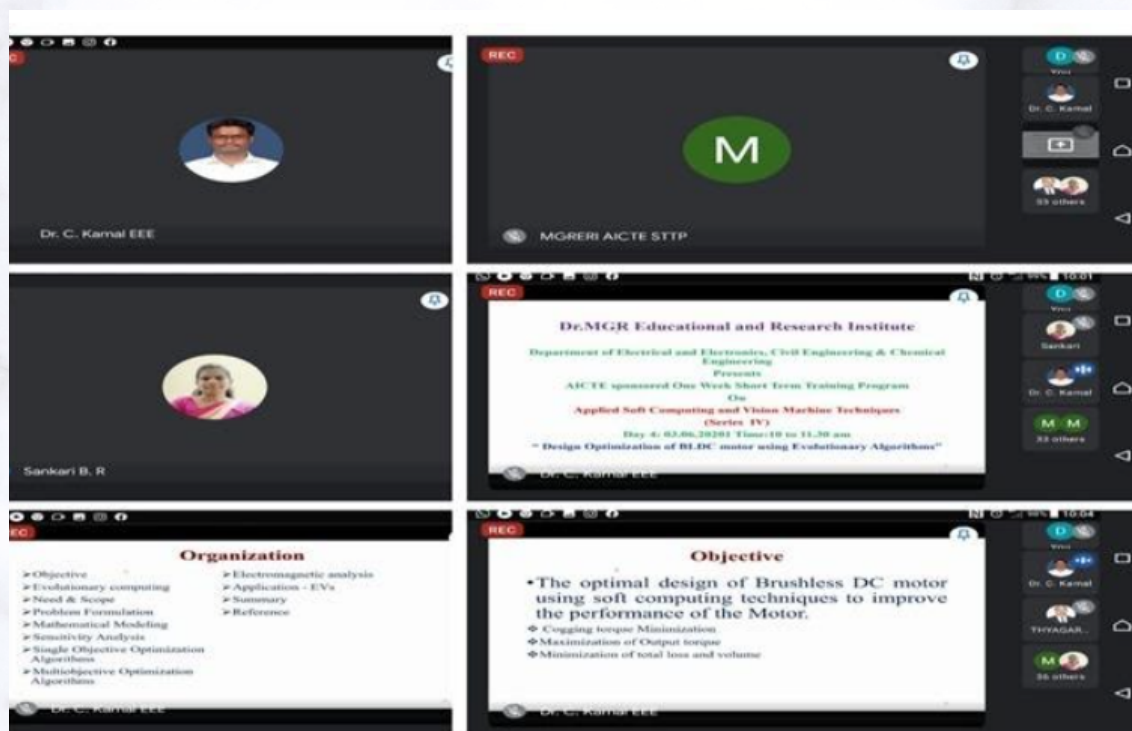


STTP ON APPLIED SOFT COMPUTING AND VISION MACHINE TECHNIQUES – SERIES IV FROM 31ST MAY – 5TH JUNE 2021 BY EEE, CIVIL AND CHEMICAL DEPARTMENT

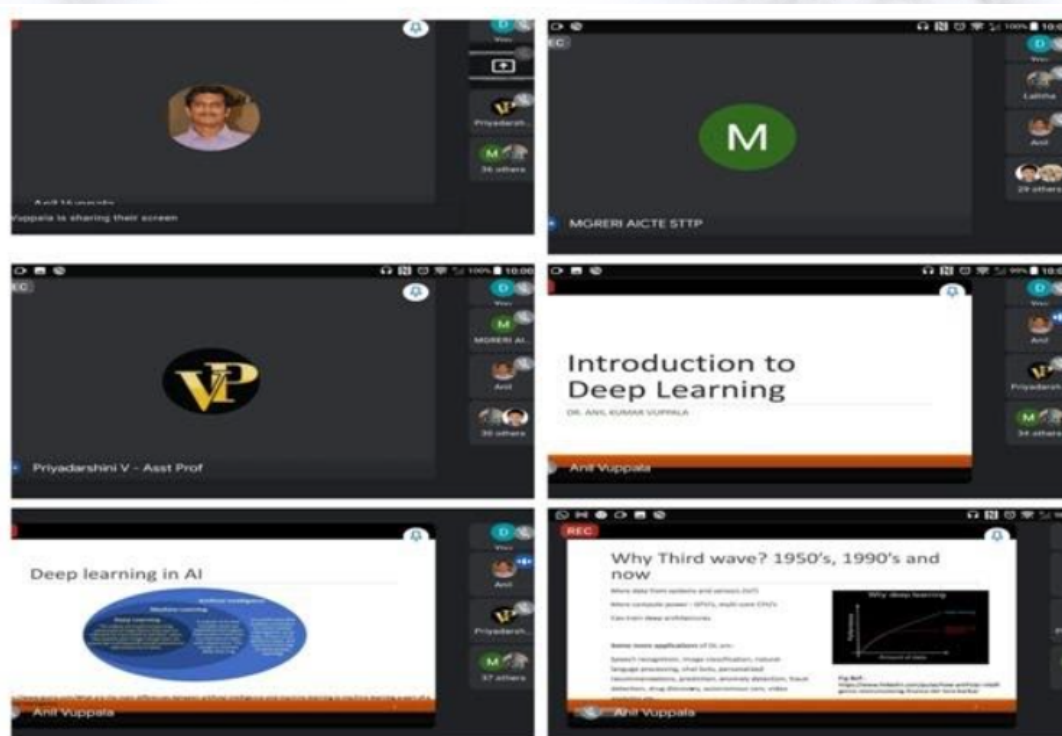
In the course of the lecture, we covered various topics like the history of deep learning techniques, the need for deep learning techniques, characteristics of deep learning techniques, and the necessity of deep learning methods. The architectures relating to CNN, RNN, etc., was discussed with simple examples like object recognition and classification. Her lecture concluded with a couple of queries raised by the participants which were answered by the resource person. Our sincere thanks to our management for giving us the opportunity for conducting this webinar in a very successful manner.



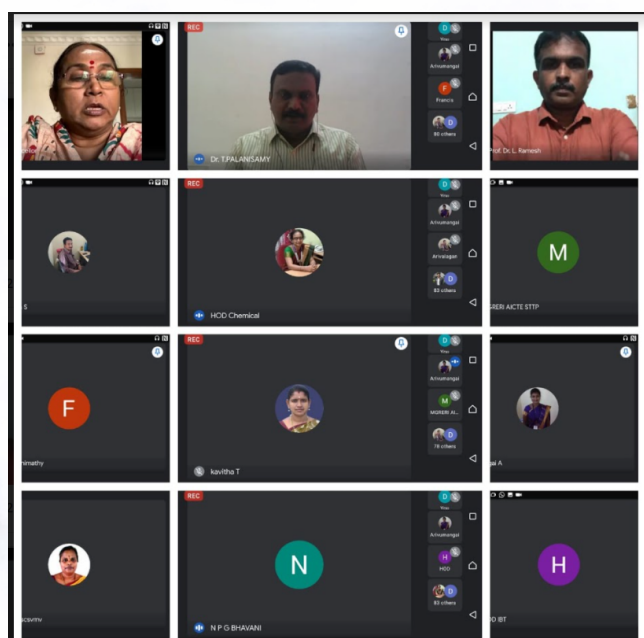
**STTP ON APPLIED SOFT COMPUTING AND VISION MACHINE
TECHNIQUES – SERIES IV FROM 31ST MAY – 5TH JUNE 2021 BY EEE,
CIVIL AND CHEMICAL DEPARTMENT
DATE: 02.6.21**



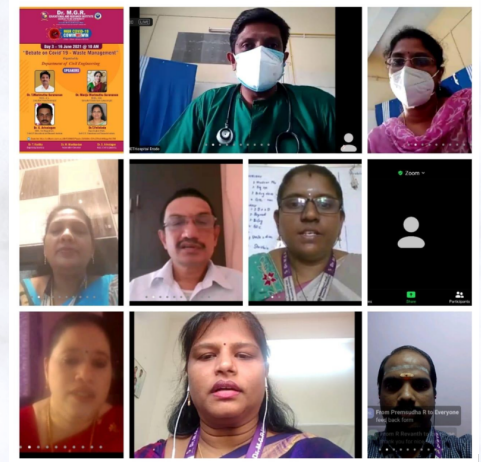
**STTP ON APPLIED SOFT COMPUTING AND VISION MACHINE
TECHNIQUES – SERIES IV FROM 31ST MAY – 5TH JUNE 2021 BY EEE,
CIVIL AND CHEMICAL DEPARTMENT
DATE: 03.6.21**



**STTP ON APPLIED SOFT COMPUTING AND VISION MACHINE
TECHNIQUES – SERIES IV FROM 31ST MAY – 5TH JUNE 2021
BY EEE, CIVIL AND CHEMICAL DEPARTMENT
DATE: 04.6.21**



**STTP ON APPLIED SOFT COMPUTING AND VISION MACHINE
TECHNIQUES – SERIES IV FROM 31ST MAY – 5TH JUNE 2021
BY EEE, CIVIL AND CHEMICAL DEPARTMENT
DATE: 05.6.21**



Faculty of Engineering & Technology, Dr. M.G.R. Educational and Research Institute, Chennai under the benevolence of our Honorable President sir organizing awareness series on COVID19 pandemic titled "COWINWEWIN". As part of this awareness campaign, the sessions was organized by the Department of Civil Engineering on 16th June 2021 on the topic, "Debate on Covid'19 - Waste Management".

Dr.Manju explained about the nature of waste generated in hospitals and other care centres and Dr.Marimuthu explained clearly about the colour coded bins used for segregation of waste in Health care Sectors. After a detailed discussion on covid waste management, Dr.S.Arivalagan and Dr.T.Felix Kala interacted with the Doctor couple about other general precautions to be followed during this pandemic. Then, Mrs.P.Gomathi Nagajothi, Assistant Professor/Civil threw some light on Bio-Medical waste generation and management scenarios in Tamil Nadu and across India with facts and statistics. After a detailed Q&A session, a formal vote of Thanks was proposed by Magic Association Convener for the department, Dr.M.Manikandan, Asst.Prof/Civil. We thank everyone for their constant support and encouragement.



Dr. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE
(Deemed to be University)
Maduravoyal, Chennai - 600 095, Tamil Nadu, India.
(Est. 1983) (2015 Certified Institution)

University with Graded Autonomy Status

Centre for Advanced REsearch in Environment and Remotesensing (CAREER)

Under the department of Civil Engineering In Association with ISRO-DRDO-MoES -GSI Invites you to join for an Online FDP
entitled

Advancements in Environmental Remote sensing and Machine learning

Inaugural address **From 21st – 30th June 2021**

REGISTER NOW!
<https://forms.gle/twYzUHVxkqZkFEV39>

Chief Patrons

Shri. AC.Shanmugam
Founder Chancellor

Er.AC.S.Arunkumar
President

Shri. E. Siva Sankar
Scientist - 'SG' & Head,
Water Infrastructure
Planning Division
NRSC, ISRO - Hyderabad

Asst. Prof. Dr. Eswar Rajasekaran
Department of Civil Engineering
IIT Bombay, Powai, Mumbai

Dr. S.V Shiva Prasad Sharma
Scientist/Engineer 'SF'
Disaster Management
Support Group, NRSC,
ISRO - Hyderabad

Patron

Prof. Dr. S. Geethalakshmi - Vice-Chancellor
Dr. C.B. Palanivelu - Registrar
Dr. G. Gopalakrishnan - Provost
Prof. Dr. D. Vishwanathan - Rector
Dr. M. Ravichandran - Pro Vice-chancellor

Advisors

Prof. V. Oynilraj - Joint Registrar
Prof. L. Ramakrishna - Dean
Prof. T. Felickali - Dean
Prof. S. Arivalagan - Dean

Dr. Shashikant A Sharma
Scientist-G & Group Director,
Space Applications Centre,
ISRO Ahmedabad

Dr. Anilkumar
Head - Scientist /Engineer SG,
Photogrammetry and Remote Sensing
Department - Indian Institute of
Remote Sensing, ISRO, Dehradun

Dr. P. V. Nagamani
Scientist - 'SF' & Head
Biological Oceanography Division
Earth and Climate Science Area
NRSC, ISRO - Hyderabad

Shri. Mahindra R S
Scientist - E - Operational Ocean
Services & Applied Research (OSAR)
Indian National Centre for Ocean
Information Services
Ministry of Earth Sciences -Hyderabad

Dr. Seunghyun Son
Scientist - NOAA/NESDIS/STAR
Satellite Ocean Climate Division/
Marine Ecosystem Climate Branch,
Colorado State University - USA

Dr. V. Ambili
Director
Marine and Coastal Survey Division
Geological Survey of India
Vishakhapatnam

Dr. Sisir Kumar Dash
Scientist E
National Centre for Coastal Research
Ministry of Earth Sciences - Chennai

Ms. Supriya Sharma
Scientist/Engineer - SC
Geoinformatics Department
Indian Institute of Remote Sensing,
ISRO, Dehradun

Shri. Arulraj M
Sci/Engg SF - I c-Group Head,
Bhuvan Geoportal & Web Services
Group, NRSC, ISRO - Hyderabad

Dr. Tunde Usha
Scientist G & Group Head of Coastal
Hazards
National Centre for Coastal Research
Ministry of Earth Sciences
Chennai

Dr. R. Rajesh
Scientist 'F'
Division Head - (AI & MIMA)
Centre for Airborne Systems (CABS)
DRDO, Bangalore

Dr. Minakshi Kumar
Scientist/Engineer - 'SG'
Photogrammetry and Remote
Sensing Department
Indian Institute of Remote Sensing,
ISRO, Dehradun

Dr. Arvind Sahay
Scientist/Engineer-'SE'
Marine, Planetary, Earth
Science Group, Space Applications
Centre, ISRO Ahmedabad

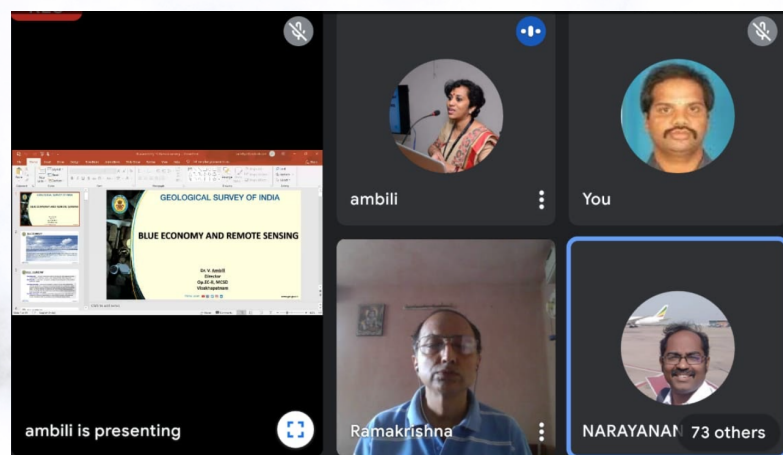
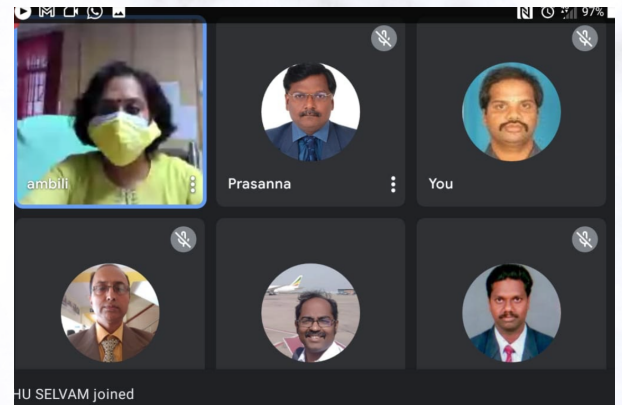
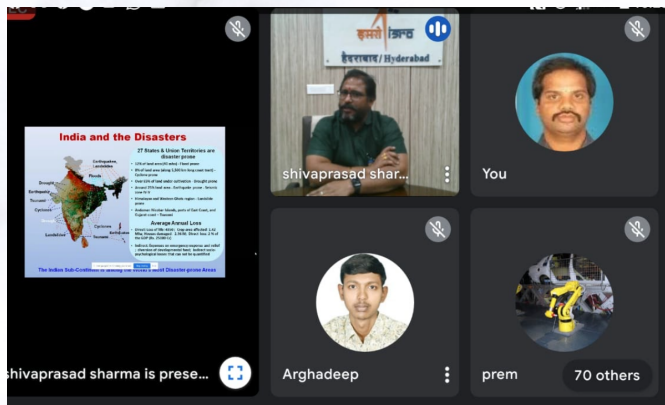
Col. Jai Govind
Director
NCC Karnataka & Goa
Bangalore

Program Convenor

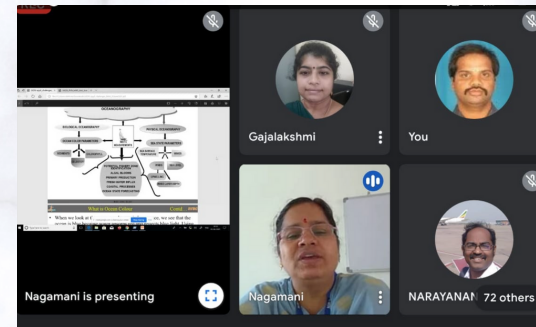
Dr. RM.Narayanan - 9444828183
Prof. Dept of Civil Engg/ CAREER
Dr M.G.R Educational and
Research Institute ,Deemed to be
University - Chennai

MORE INFO

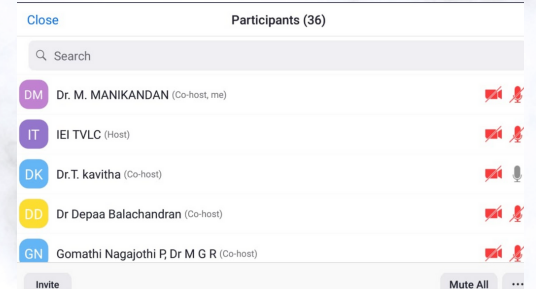
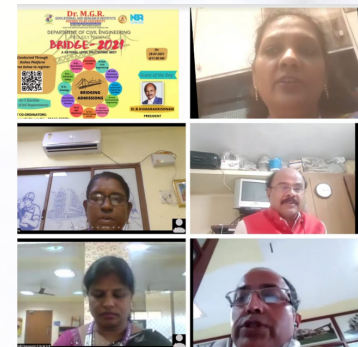
Mrs.S.Kalpana-91 7358206686
Mrs.V.Niranjana-91 7401379092
Mr.Robert - 91 94985 51059



Title of the Event : FDP
(Advancements in Environmental Remote Sensing and Machine learning)
on 21.06.2021 venue : online



Title of the Event : WEBINAR
(A Talk on Moral and Ethical Values)
on 28.06.2021 venue : online



Title of the Event : BRIDGE 2021
(A National level Polytechnic meet)
on 28.07.2021 venue : online

INTERNATIONAL COLLABORATIONS

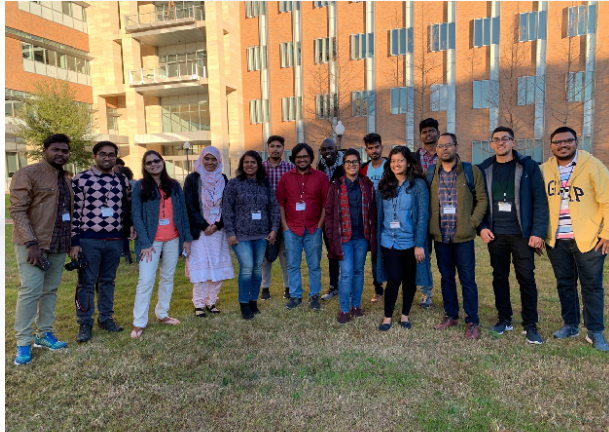


WINTER SCHOOL PROGRAM AT ST. PETERSBURG UNIVERSITY - RUSSIA (JANUARY -2019)

Students are fortunate enough to experience the best winter of Russia, as we had the opportunity to attend Winter School Programme at PETER THE GREAT SAINT PETERSBURG POLYTECH UNIVERSITY. The program was completely taught in English, we mainly got to learn the Building Information Modelling, Energy Efficiency of the Buildings and Russian Civilization.

Students experienced the rich culture of Russia, got to see very old Cathedrals along with that had wonderful interactions with different nationalities students who participated along with us on the University campus. This Internship helped me to know my capabilities, pushed me beyond my limits and given the knowledge that a Civil Engineer must know.

INTERNATIONAL COLLABORATIONS



SUMMER SCHOOL PROGRAM AT UNIVERSITY OF TEXAS - USA

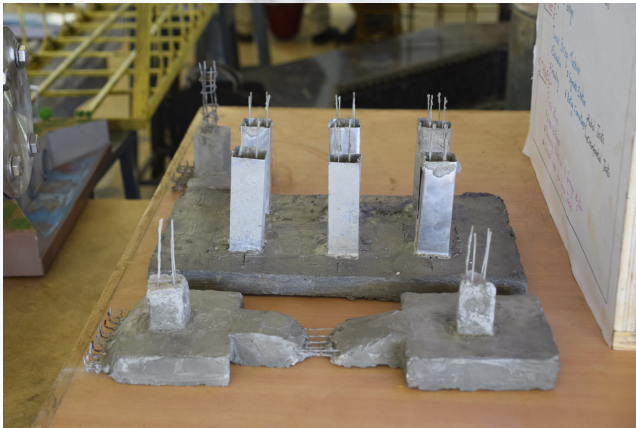
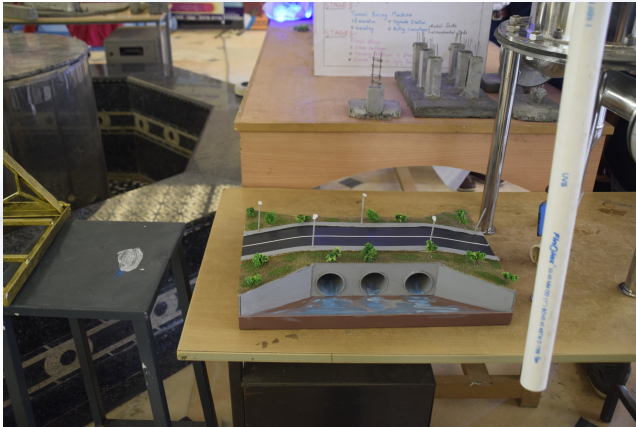
The best aspect of the Winter School event was the blend of training styles. The in-class, theory-based training and hands-on, operational training are perfectly balanced - with one week dedicated to each.

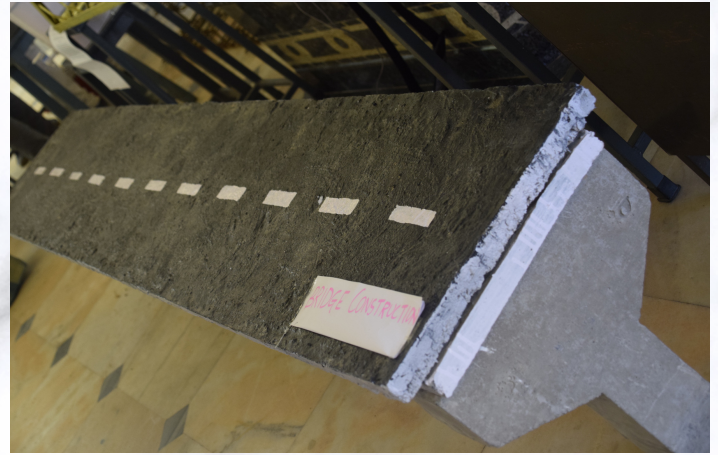
As the ISWA and SWIS (Solid Waste Institute for Sustainability) Winter School at the University of Texas at Arlington, together with the cities of Irving, Garland, and Grand Prairie Texas, USA, will have the opportunity to gain knowledge on the potential and challenges of sustainable waste management, including landfill and landfill mining.

DESIGN PROJECT

STUDENTS MODEL MAKING



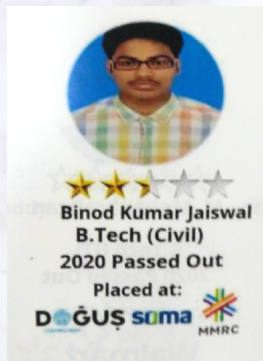




PLACEMENTS



**A.K.ABDUL BAHI
DHANASEKARAN
NANDHA GOPAL
PLACED AT A.G.P RAGAN ASSOCIATES**



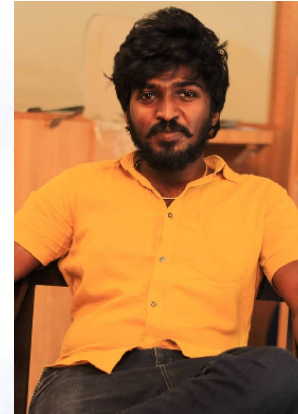
BINOD KUMAR JAISWAL



RAGESH G



**MOHAMMED MUZZAMMIL AHMED
Infrastructure engineer
Al-kifah company, Saudi arabia**



**ANISH DILIPAN
Entrepreneur
Ani enterprises**

CAMPS & VISITS



SEWAGE TREATMENT PLANT AT KOYAMBEDU



RMC PLANT AT THIRUVERKADU



CMRL

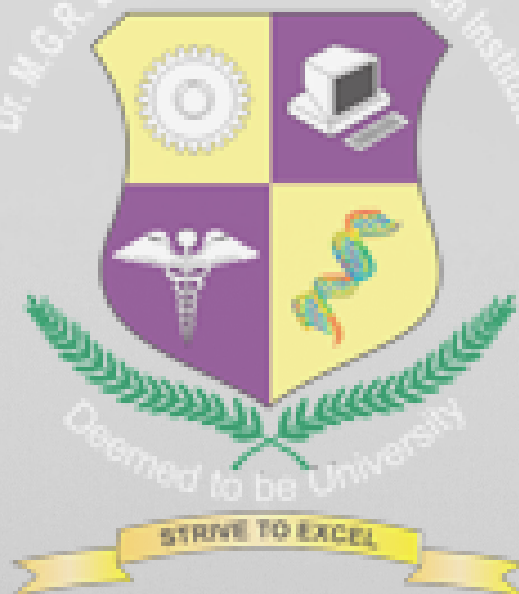


NIPPON PAINT



POONDI RESERVOIR

Dr. M.G.R. Educational and Research Institute



Deemed to be University

