

**PMC – CIVIL**  
**ANNUAL NEWS LETTER**  
**Volume-1 Issue- 1**  
**MARCH 2022**

**Chief Patron:**

**Er.PERUMAL-Chairman**

**Patrons:**

**Shri. P. Kumar- Secretary & Correspondent**

**Smt. P. Mallar- Trustee**

**Smt. S. Sasirekha- Trustee**

**Co.Patron**

**Dr.S.Chitra-Principal**

**HOD**

**Dr.D.Zealakshmi M.Tech.,Ph.D**

**HOD/Department of Civil Engineering**

**Editor:**

**Mrs.S.Reshma,M.E**

**AP/Department of Civil Engineering**

**Contents:**

**PMC Tech-An Overview**

**Civil engineering-A view**

**Symposium 2K21**

**Guest Lectures**

**Training Programs**

**Professional Bodies Faculty Achievements**

**Faculty Development Programme**

**Students Achievements**

**Industrial Visit**

**Placement 2021**

**Gallery**

### **From the Chairman's Desk**



*“Make of us the hero warriors we inspire to become. May we fight successfully the great battle of the future that has to be won against the past that seeks to endure, so that the new things may manifest and we are ready to receive them”*

*Er. P. Perumal,*

*Chairman.*

*PMC TECH - Group of Institutions*

Welcome to PMC TECH, where academics and activities never end and the students are molded as future technocrats and business leaders. The Institute works on the vision to become one of the leading centers of teaching, research and extensions in the field of Engineering and Technology through total commitment towards quality education and training. We instill our students with the strength of character, self-confidence technical competence and leadership in management.

We propagate knowledge to the students with the help of dedicated faculty, state-of-the-art library and well-equipped labs along with audio-visual theatre. The institute has an enviable track record of academic excellence, which is coupled with hands-on industrial training, and innumerable industry-institute interaction, which makes each PMC TECH student ready to be absorbed in the company.

### **From the Secretary's Desk**



*“The Institute not only extends good campus and state of the art computing facilities to the Students but also aims at giving those competencies that will make them leaders and trendsetters in their respective field, in this age of competition”*

*Shri. P. Kumar,*

*Secretary & Correspondent,*

PMC TECH is committed to develop young minds for creative leadership in business and a proactive and useful role in social transformation. Today the need for being proactive and constructive is more acute than ever before due to the sweeping change influencing every aspect of our life. Therefore, there is need for action based on holistic training of youth to take on varied challenges of life.

An opportunity to study at PMC TECH empowers a student to acquire knowledge and develop skills that will enable him to lead a highly productive, rewarding and holistic life. As a part of PMC TECH's commitment towards quality technical education and excellence, we embarked on

promoting Faculty Development Program, Seminars, Workshops and Conferences, which will keep the faculty and students abreast of their field.

### **From the Trustee's Desk**

***“The goal of education is the advancement of knowledge and the dissemination of truth”***

***Smt. P. Mallar,  
Trustee***



The rapid rate of technological advancement and the information revolution have opened new series of challenges as well as opportunities. We aim to prepare the students to be successful in their workplace. It aims to prepare the students with technical knowledge and capabilities, flexibility and an understanding of the societal context of corporate world.

We give the students support and encouragement they need to reach their full potential. We strive to give professional education a new perspective and achieve perfection in all spheres. We provide a pleasant & intellectually stimulating environment. The main reason for our tremendous performance is the faculty, which makes PMC TECH stand out from the rest of engineering colleges and Institutes. I wish to assure all concerned that no efforts will be spared to bring PMC TECH as one of the top Technical education Institutions.

### **From the Trustee's Desk**

***“Education is the ability to listen to almost anything without losing your temper or self-confidence”***

***Smt. S. Sasirekha,  
Trustee***



PMC TECH is committed to creating an ambience for nurturing innovation, creativity and excellence in our students. We aim to prepare the young engineers and managers to confidently and competently face the challenges of intensifying competition by imparting high quality technical and managerial education coupled with appropriate training and wide exposure to the state-of-art practices. Our educational programmes lay emphasis on all round personality development and also in inculcating human values and professional ethics which help our students become more humane and socially alive to lead a meaningful life.

This newsletter will help the students and faculty members to make them aware of different activities of their department as well as the other departments and will develop a better culture

and academic environment. Further this will boost the morale of students and faculty to participate in future activities.

### **From the Principal's Desk**

*“I believe that education is not just about teaching curriculum, it is also about the development of human intellect, capability to think independently and speak articulately. Through numerous student activities the college imparts all these life skills in students. Education in PMC TECH also emphasizes on development of personality, inter-personal skills and instilling the right values”*



*Dr. S. Chitra,  
Principal*

With a devoted and highly qualified set of faculty members, well provided infrastructure and efficient administrative staff, we always impart best education by giving in depth knowledge in the subject. We know that mere education does not make you a complete man / woman.. With our rich library, we want you to develop reading habits. We always endeavor that when student go out. They should be recognized as highly knowledgeable, amiable, active and greatly trust worthy individual.

Thanks to the educationally committed management, we have the reputation that we provide all the facilities and amenities. May be because of all these,. I am thankful to all my colleagues who are striving hard to establish PMC TECH as one of the leading Engineering Institutions.

### **From the HoD's Desk**

**“Welcome to the Department of Civil Engineering which is imparting knowledge through teaching and creating implementation of practical aspects to build a solid foundations as part of the Engineering Education.**

*Dr.D.Zealakshmi,  
HOD/CIVIL*

The Department of Civil Engineering works with the objective of addressing critical challenges faced by the Industry, Society and the Academia. Perhaps even more important is our unceasing commitment to our students, helping them to learn, grow, develop and achieve their goals in their pursuit to excel in their professional career.

The Faculty and students of our department are engaged in acquiring cutting edge technology and the excellent infrastructure facilities available the department allows them to develop into pushing the boundaries of the state of the art of technology. The students are encouraged to take

part in co curricular and extracurricular activities. Implant training in the industries and Research centers which are intended mandatory for all the students so that the teaching, learning process will match with the Industry/ Research centre expectations. My best wishes and greetings to all the students who are aspiring to become Civil Engineers and take India to the forefront of developed nations.

### **PMC TECH-AN OVERVIEW**

PMC TECH group of Institutions consisting of Engineering College, polytechnic and ITI were established in the year 1996 by Er.Perumal B.E, M.I.E, FIV, Our founder and Chairman and sponsored by **Er.Perumal Manimekalai Telugu Minority Educational and Charitable Trust. It is situated closer to the Industrial Hub, Hosur, Tamilnadu. Er.Perumal Manimekalai College of Engineering, established in the academic year 2002-2003 is Approved by All India Council for Technical Education (AICTE)** and affiliated to Anna University. PMC TECH creates unique opportunities, provides individualized educational challenges, promotes high order thinking skills and maintains a strong tradition of academic excellence for students. The college is equipped with world class infrastructure and highly qualified, experienced faculty members. An active Placement Training and Welfare Cell is functioning with full enthusiasm with the aim of placing the students in top-notch companies. PMCTECH, a premier institution for higher education seeks to impart value added technical education and always aiming at excellence along with inculcation of ethical, moral, & professional values, with national welfare in heart.

### **CIVIL ENGINEERING-AVIEW**

The Department was incepted in the year 2012. The Department offers a 4-Year full time B.E. Programme in Civil Engineering; It has a team of well qualified faculty members with rich industrial and academic experience. ICT enhanced teaching techniques are also used in the department to supplement the regular chalk and talk lectures.

The Department gives a broad multi-disciplinary education enabling the students to succeed in wide variety of careers including the design, manufacture, maintenance and management. And also it involves in IEDC and MSME which is based on the collaboration of institution & industry.

## Vision

The Civil Engineering students will be empowered attaining state of art knowledge, instilling applied research, innovation and entrepreneurial skills.

## Mission

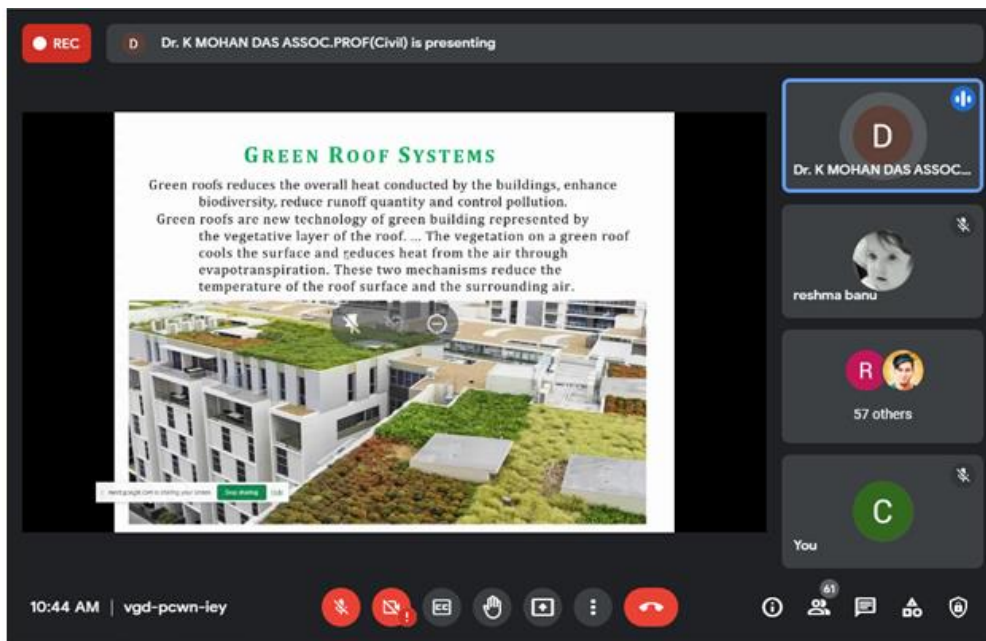
- ❖ To provide state of art technical education in tune with the global challenges.
- ❖ To encourage and undertake research relevant to civil engineering for industry and society benefits.
- ❖ To professionalize students for inventive thinking, relevant societal services and improvements through life long learning.

## Quality Policy

- ❖ To provide competitive and academic programs to produce technologists and professionals for national and global needs.
- ❖ To be a center for reference, research and consultation through smart partnership with industries and stake holders.
- ❖ Educate tomorrow's leaders through innovative educational programs & pedagogies that have as their context the conception, design, implementation and operation of systems; and processes; create research opportunities that generate inventions, technologies and solutions to Aerospace problems

## VIRTUAL TECHNICAL SYMPOSIUM 2K21

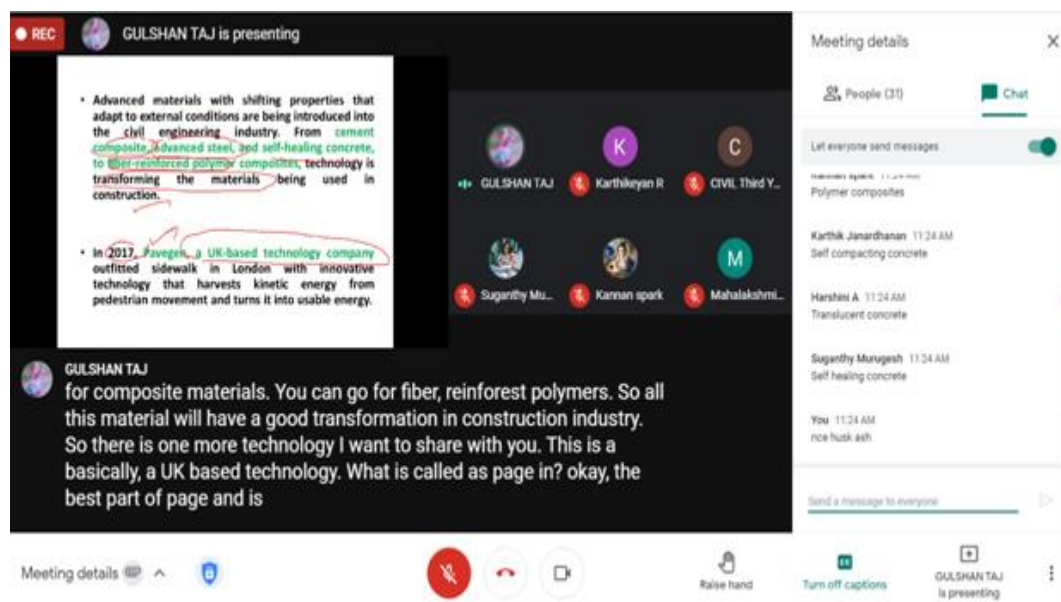
The Department of Civil Engineering organized the National Level Technical symposium “INFRAZ 2K21” on 20<sup>th</sup> October 2021. **Dr.K.Mohan das, Professor, Department of Civil Engineering, CMR College of Engineering & Technology, Hyderabad** inaugurated the function and shares his Experience and Knowledge with the Students. He gave a speech which is truly inspiring and motivational. Students from various colleges participated and presented their project. Out of 32 papers 16 Papers from various colleges were presented. The prize winners received cash prizes from the Management and the Chief Guest.



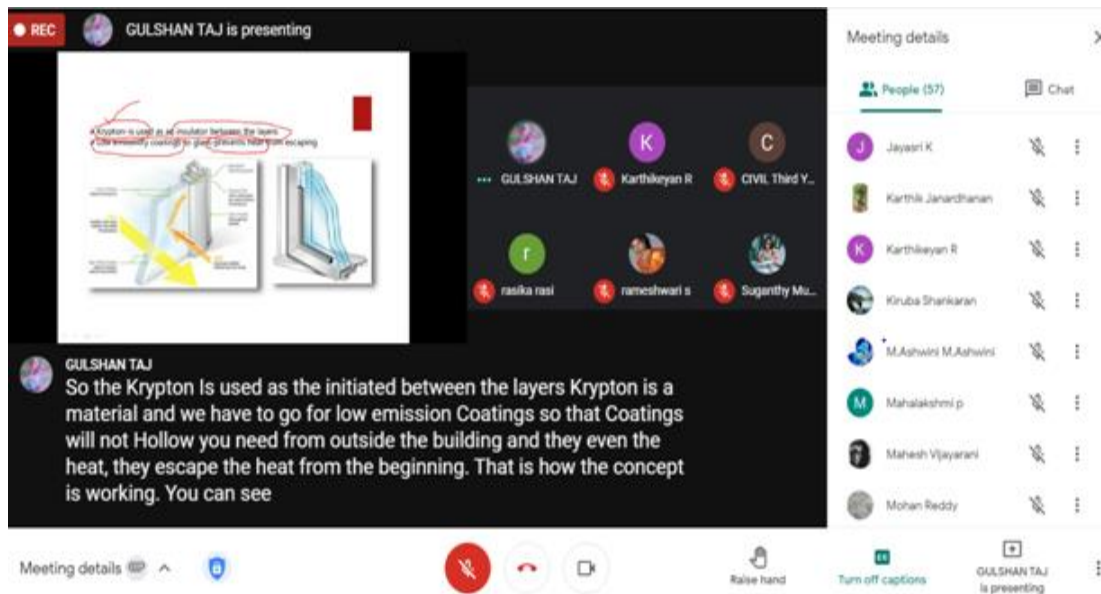
Virtual Technical Symposium 2K21

### VIRTUAL CONFERENCE NCISCT 2K21

The Department of Civil Engineering organized the Virtual Conference “**NCISCT 2K21**” on 5<sup>th</sup> May 2021. **Dr.M.N.A.Gulshan Taj, M.E., PhD,Associate Professor, Department of Civil Engineering, Sona College of Technology, Salem** inaugurated the function. The conference aims at bringing together Researchers, Industry experts and Students interested for fruitful knowledge exchange. The conference consists of paper presentation by delegates and special talks by experts.







## Virtual Conference NCISCT2K21

### GUEST LECTURES

Guest Lectures were conducted by the experts from the respective field to the students for their improvement in their Academic Performance.

S.No	Topic	Resource Person	Participants	Date
1.	Highway Engineering	Mr.J.Gopikrishna AssistantProfessor, Knowledge Institute of Technology, Salem	III CIVIL	18.3.2021
2.	Strength of Materials	Mr.P.Sabarish kumar, Assistant Professor ,INFO Institute of Engineering, Coimbatore	II CIVIL	19.3.2021
3	Environmental Sustainability	Er. D. Lakshmi Narayana Murthy Deputy Manager Paharpur, Chennai	II,III & IV CIVIL	30.4.2022
4	Recent Trends in Pre- stressed Concrete – A overview	Dr.K.Nirmal Kumar M.E., Ph.D., Professor Kongu Engineering College Perundhurai, Erode	II,III & IV CIVIL	11.5.2022



Guest Lecture on Prestressed Concrete



## TRAINING PROGRAMMES

Various Training programmes were conducted to widen the Knowledge of students beyond the Syllabus.

S.No	Topic	Resource Person	Participants	Date
1.	Add on Course ‘Revit Architechture’	Mr.Titus Anthony CADD Centre, Hosur	38	19.4.2022 to 25.4.2022



**Add on Course “Revit Architechture”**

## PROFESSIONAL BODIES

The **Indian Concrete Institution of engineers (ICI)** students’ chapter under Civil division provides knowledge through seminars and guest lecturers through various platforms.

### ICI Technical Webinars

S. No	Name of the Resource Person	Name of the Topic	Date	Venue/Place
<b>External Resource Person</b>				
1	Computer Application on Structural Engineering	Er.C.S.Murali Structural Engineer. CSM Consultancy,Trichy	17.03.2021	Google Meet
2	Facts on Structural Analysis	Mr.K.Muthazhagu, Pyramid IAS Academy, Karaikudi.	22.03.2021	Google Meet
3	Recent Trends in Construction Techniques and Practices	Mrs.Anjana Mohandass, Assistant Engineer,	25.04.2021	Google Meet

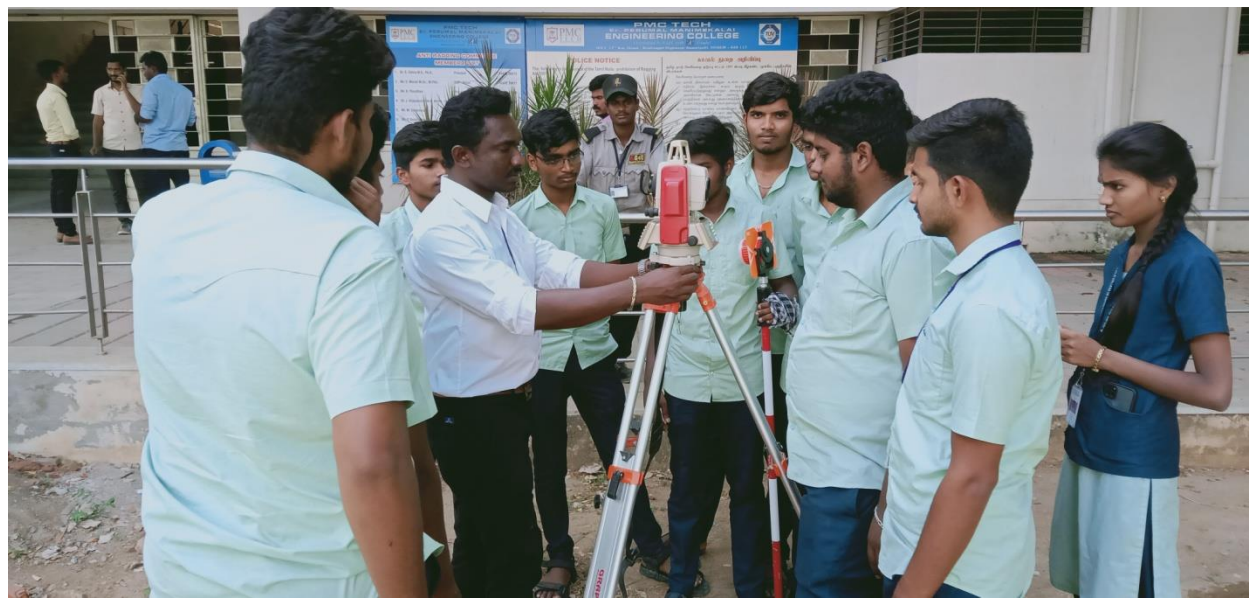
		MSSTEEL Detailing Services, Hosur.		
4	Forces on Impounding Structures	Mr.A.Leema Marget, AssistantProfessor, Ramco Institute of Technology, Rajapalayam.	19.05.2021	Google Meet
5	Advanced Concrete Technology	Mr.S.Gunasekaran, AssistantProfessor, KSR College of Engineering, Nammakal.	20.05.2021	Google Meet
6	IOT and Its Application	Dr.M.N.A.Gulshan Taj, Associate Professor, Department of Civil Engineering Sona College of Technology, Salem.	21.05.2021	Google Meet
7	Quantity Surveying	Mr.N.Venkatachalam, Quantity Surveyor, Sakthi Associates, Chennai.	01.06.2021	Google Meet
8	Innovative techniques in Steel Structures	Mr.K.Nirosh kumar Design Engineer ABKJ Infra structure design solutions Pvt Ltd Bangalore	4.9.2021	Google Meet
9	RCC design and detailing	Mr.P.Fazulur rahman Structural Engineer MRF Construction Nagapattinam	17.9.2021	Google Meet
10	Groundwater Pollution and its remediations Techniques	Mr.S.Vivek Assistant Professor Hindustan College of Engineering and Technology Coimbatore	25.9.2021	Google Meet
11	Advancements in surveying, GIS and Total station	Mr.S.A.Ajmal Assistant Professor Madha College of technology, Cochin	27.9.2021	Google Meet
12	Recent advancements in Concrete technology	Dr.K.Madheshwaran Head of the Civil department Gnanamani collge of technology Namakkal	29.9.2021	Google Meet

13	Effective handling of reinforcement detailing for RCC structures	Dr.K.Mohandas Professor CMR college of Engineering and technology Hyderabad	5.10.2021	Google Meet
14	Design of reinforced concrete structures	Mr.P.Rahman Structural Engineer IIT Madras Research park Chennai	7.1.2022	Google Meet
15	Quantity surveying	Mr.K.S.Prabhakar bharathi Quantity surveyor TATA projects pvt ltd Hosur	28.1.2022	Google Meet
16	Computer Application on Structural Engineering	Er.C.S.Murali Structural Engineer. CSM Consultancy,Trichy	17.03.2021	Google Meet
17	Facts on Structural Analysis	Mr.K.Muthazhagu, Pyramid IAS Academy, Karaikudi.	22.03.2021	Google Meet
18	Recent Trends in Construction Techniques and Practices	Mrs.Anjana Mohandass, Assistant Engineer, MSSTEEL Detailing Services, Hosur.	25.04.2021	Google Meet
19	Forces on Impounding Structures	Mr.A.Leema Marget, AssistantProfessor, Ramco Institute of Technology, Rajapalayam.	19.05.2021	Google Meet
20	Advanced Concrete Technology	Mr.S.Gunasekaran, AssistantProfessor, KSR College of Engineering, Nammakal.	20.05.2021	Google Meet
21	IOT and Its Application	Dr.M.N.A.Gulshan Taj, Associate Professor, Department of Civil Engineering Sona College of Technology, Salem.	21.05.2021	Google Meet

22	Quantity Surveying	Mr.N.Venkatachalam, Quantity Surveyor, Sakthi Associates, Chennai.	01.06.2021	Google Meet
23	Innovative techniques in Steel Structures	Mr.K.Nirosh kumar Design Engineer ABKJ Infra structure design solutions Pvt Ltd Bangalore	4.9.2021	Google Meet
24	RCC design and detailing	Mr.P.Fazulur rahman Structural Engineer MRF Construction Nagapattinam	17.9.2021	Google Meet
25	Groundwater Pollution and its remediations Techniques	Mr.S.Vivek Assistant Professor Hindustan College of Engineering and Technology Coimbatore	25.9.2021	Google Meet
26	Advancements in surveying, GIS and Total station	Mr.S.A.Ajmal Assistant Professor Madha College of technology, Cochin	27.9.2021	Google Meet
27	Recent advancements in Concrete technology	Dr.K.Madheshwaran Head of the Civil department Gnanamani collge of technology Namakkal	29.9.2021	Google Meet
28	Effective handling of reinforcement detailing for RCC structures	Dr.K.Mohandas Professor CMR college of Engineering and technology Hyderabad	5.10.2021	Google Meet
29	Design of reinforced concrete structures	Mr.P.Rahman Structural Engineer IIT Madras Research park Chennai	7.1.2022	Google Meet
30	Quantity surveying	Mr.K.S.Prabhakar bharathi Quantity surveyor TATA projects pvt ltd Hosur	28.1.2022	Google Meet

## Workshop

S. No	Name of the Resource Person	Name of the Topic	Date	Venue/Place
1	Land surveying using modern tools	Er.A.Vasanth Managing Director Venni Associates Salem	9.4.2022	auditorium



Workshop on Total Station Surveying

## PROFESSIONAL BODY MEMBERS

S.No	Faculty Name	Professional Body
1	S.Rameshwari	ICI,IRDE
2	S.Reshma	IAENG
3	M.Balamurugan	IAENG
4	P.Thangamuthu	ISTE

## Faculty Publications

Sl. No	Title of Publication	Name of the Author	Journal/ conference	Volume No, Issue No and ISSN No., Month and Year of publishing
1	Computer Aided High Strength Concrete Mixture Proportion Using Mat Lab	Dr.Zealakshmi. D	International journal of computer applications,	Vol. 70 (8),ISSN NO: 0975-8887.

2	Strength Modeling Of High Concrete with Micro Reinforcement	Dr.Zealakshmi. D	International Journal of Mechanical & Civil Engineering Research,	Vol. 5 (2), ISSN NO: 2278-3652.
3	Strength Modeling of High strength Concrete	Dr.Zealakshmi. D	International Journal of Civil Engineering Research	Vol. 11 ISSN NO 2278-1684
4	Study Of Confined Hybrid Fibre Reinforced High Strength Over Reinforced Concrete	Dr.Zealakshmi. D	International Journal of Applied Engineering Research	ISSN NO: 0973-4562. Vol 10 (19),
5	Flexural Behavior of Confined Hybrid Fibre in the Plastic Hinging Region of the High Strength Concrete Beams	Dr.Zealakshmi. D	Indian Journal of Science & Technology,	Vol 9 (9),, ISSN NO: 0974-6846
6	“Prediction of Flexural performance of Confined Hybrid Fibre Reinforced High Strength Concrete Beam by Artificial Neural Networks	Dr.Zealakshmi. D	Indian Journal of Science & Technology,	Vol.9 (32), ISSN: Online: 0974-5645, ISSN:Print 0974-6846
7	Ductile Behavior of Confined Hybrid Fibre Reinforced Concrete in the Plastic Hinging Zone of High Strength Concrete Beams”	Dr.Zealakshmi. D	Journal of chemical and Pharmaceutical Sciences,	ISSN: 0974-211, Special Issue 2
8	A comparative flexural performance of an over-reinforced high strength concrete beam with normal strength beam	Dr.Zealakshmi. D	Materials proceedings, Elsevir	<a href="https://doi.org/10.1016/j.matpr.2022.07.179">https://doi.org/10.1016/j.matpr.2022.07.179</a>
9	Study of Nanotechnology as a Construction Constituents in the Field of Civil Engineering and its Applications	Mr.P.Thangam uthu	International Journal for Scientific Research & Development	Vol. 5, Issue 12, 2018   ISSN (online):2321-0613
10	INVESTIGATION ON HIGH PERFORMANCE PERMEABLE PAVER BLOCK	Mr.P.Thangam uthu	Dogo Rangsang Research Journal	ISSN 2347-7180 with IF=5.127 Vol. 12, Issue. 08, No. 06, August : 2022
11	Experimental Investigation on Ferrocement composite Slab using Flyash & Egg shell.	S.Rameshwari	International Journal of Science & Engineering Development Research	Vol.3, issue 10,OCT 2018,ISSN 2455-2631
12	An Experimental study on the partial replacement of Coarse & Fine Aggregate by Perlite, Leca & Quarry Dust	S.Rameshwari	IJAEMA Journal	Vol.XI, issue XII, Dec 2019, ISSN 0886-9367



13	Qualitative Assesment of ground water in and around industrial area of jeedimelta	S.Rameshwari	Design engineering	ISSN0011-9342, YEAR 2021,ISSUE 7,PAGES 13771-13795
14	control of coal power plant gaseous emission using photocatalytic air purifier	S.Reshma	International Journal of Special education	vol.37,no3,2022

### STUDENT ACTIVITIES:

S.No.	Title	Student Name		Event	Date
1	PAPER PRESENTATION	a)	C.BALAJI	Symposium in Sri Ranganathar Institute of Technology,Chennai	25.11.2021
		b)	N.DEEPAK		
		c)	V.CHANDRA SEKAR		

### INDUSTRIAL VISIT

NAME OF THE INDUSTRY	PLACE	Participants	DATE OF VISIT
Sree Anjaneya Blue metal,	Krishnagiri	II year, III year & IV year	2.11.2021
ROOF INDIA 2022 in BIEC	Bengaluru	II year, III year & IV year	23.4.2022
EXCON 2022 Exhibition in BIEC	Bengaluru	II year, III year & IV year	18.5.2022



**EXCON 2022 IN BIEC**



### **ROOF INDIA 2022 IN BIEC**

#### **PLACEMENT 2021-2022**

##### **Goodsprout ,Hosur**

<b>S.No</b>	<b>Name of the Student</b>	<b>Designation</b>	<b>CTC (Rs.)</b>
1	L.Abishek	Site Engineer	180000

##### **Crescent Pvt Ltd,Hosur**

<b>S.No</b>	<b>Name of the Student</b>	<b>Designation</b>	<b>CTC (Rs.)</b>
1	S.Sai Ganesh	Site Engineer	180000



**SOIL MECHANICS LABORATORY**



**CONCRETE & HIGHWAY LABORATORY**



**ENVIRONMENTAL ENGINEERING LABORATORY**