

**K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE**  
**(Autonomous)**

Approved by AICTE, New Delhi & Affiliated to Anna University,  
Chennai.

ORGANIZED BY

DEPARTMENT OF CIVIL ENGINEERING

NATIONAL CONFERENCE

Academic Year: 2021– 2022

TITLE

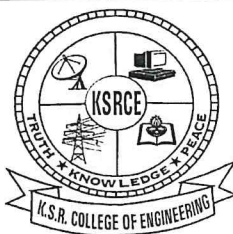
Eighth Virtual National Conference on “Trendy and Sustainable  
Development in Civil Engineering”

DATE: 07.05.2021



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K.S.R. COLLEGE OF ENGINEERING  
K.S.R. KALVI NAGAR,  
TIRUCHENGODE-637 215




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**Event Schedule**

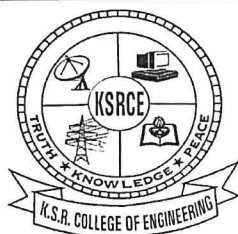
1	<b>Name of the Event</b> (Seminar/Workshop/Conference/FDP/Any other)	National Conference
2	<b>Name of the Department</b>	Civil Engineering
3	<b>Date of the Event</b>	07.05.2021
4	<b>Venue</b>	Google Meet
5	<b>Title of the Event</b>	Eighth Virtual National Conference on “Trendy and Sustainable Development in Civil Engineering”
6	<b>Name of the Co-ordinators</b>	Dr.V.Revathi Prof and Head Dr. S. Senthilkumar, Prof Dr. A. Alex Rajesh, Asst.Prof Mr. R. Babu, Asst.Prof
7	<b>Total Participants</b>	45
8	<b>Objectives of the Event</b>	The main goal of the event was to bring together students, professors, scientists, practicing engineers, and industry experts to discuss about novel innovations, new and innovative ways of doing research, and a wide range of other topics related to the sustainable development of civil engineering

  
**CO-ORDINATOR**

  
**HoD/CIVIL**  
**Dr. V. REVATHI, M.Tech., Ph.D.,**  
**Professor and Head**  
**Department of Civil Engineering**  
**K.S.R. College of Engineering**  
**Tiruchengode - 637 215.**

  
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**Eight Virtual National Conference on "Trendy and Sustainable  
Development in Civil Engineering**

**Date: 07.05.2021**

**EVENT REPORT**

Eight Virtual National Conference on "Trendy and Sustainable Development in Civil Engineering" was organised by the department of Civil Engineering at the K.S.R. College of Engineering in Tiruchengode, and it was held on May 7, 2021, through online.

The main goal of the NCTSDCE-2021 was to bring together students, professors, scientists, practising engineers, and industry experts to discuss about novel innovations, new and innovative ways of doing research, and a wide range of other topics related to the sustainable development of civil engineering.

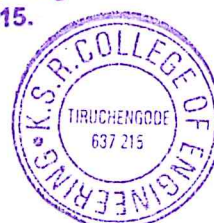
A hymn of adoration served as the event's opening invocation. Dr. V. Revathi, the Convener - NCTSDCE-21, welcomed the gathering in her welcoming speech. Dr. Lion K.S. Rangasamy, founder and chairman, and Mr. R. Srinivasan, vice chairman, K.S.R. Educational Institutions, presided over the programme. Dr. P. Senthilkumar, Principal, K.S.R. college of Engineering offered the principal address.

Dr.G.Gopalakrishnan, Principal, Builders Engineering College, Tirupur inaugurates the ceremony and delivered inaugural address. The National Conference proceedings included 25 research papers. Two parallel sessions was arranged for the virtual presentation. Dr.A.Alexrajesh, organizing secretary-NCTSDCE-21 delivered the vote of thanks.

  
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Accredited by NAAC with A Grade and Eligible courses accredited by NBA  
K.S.R Kalvi Nagar, Tiruchengode-637 215, Namakkal Dt. Tamilnadu

### DEPARTMENT OF CIVIL ENGINEERING



## EIGHTH VIRTUAL NATIONAL CONFERENCE ON "TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING" NCTSDCE - 2021

7TH MAY 2021



### ABOUT THE INSTITUTION

K.S.R. College of Engineering was established in the year 2001 by Aarthi Educational and Charitable Trust, approved by AICTE, New Delhi and affiliated to Anna University. This college is an NAAC (A Grade) Accredited & ISO 9001-2008 certified institution and offers 7 U.G. programmes and 13 P.G. programmes.

The college is situated on the Erode- Tiruchengode state highway 8 km from Tiruchengode and 12 km from Erode railway junction. The college is located in a sprawling campus of about 350 acres in the serene, cool shades of coconut trees among the 16 K.S.R. Groups of Institutions. The college has excellent infrastructure, well-equipped laboratories, and computerized library with access to many National & International journals.

### ABOUT THE DEPARTMENT

The Department of Civil Engineering was started in the year 2002 with a goal to be the centre of excellence for the development and dissemination of knowledge in Structural, Construction, Water Resources and Management, Transportation, Environmental, Urban, Geotechnical, Remote Sensing & GIS and its applications for the society. Students from our department have proved to be meritorious and our faculty has been regularly presenting papers in journals and conferences.

The department also offers M.E. in Structural Engineering and Construction Engineering & Management at P.G level. Furthermore, this department is a Research Centre approved by Anna University. This department has bagged "Two times Accreditation" from NBA, New Delhi.

### ABOUT THE CONFERENCE

The conference covers state-of-the-art of the Trendy & Sustainable Development in the field of Structural, Material, Transportation Engineering, Water Resource Engineering and Management, Geotechnical Engineering, Construction

Engineering, Design, Experiment and Construction Regulations and other Civil Engineering related discipline. The conference offers opportunities to research scholars, postgraduate students and industrialists to share innovative ideas related to the field of Civil Engineering.

### Chief Patrons:

Lion Dr. K. S. Rangasamy, MJF  
Founder, K.S.R. Educational Institutions

Mr. R. Srinivasan, B.B.M., M.I.S.T.E.,  
Chairman cum Managing Trustee

### Patron:

Dr. P. Senthil Kumar, Ph.D  
Principal

### Convener

Dr. V. Revathi Prof and Head

### Co-Convener

Dr. S. Senthilkumar, Prof

### Organizing Secretaries

Dr. A. Alex Rajesh, Ass.Prof  
Mr. R. Babu, Ass.Prof

### Members

Faculty of Civil Engineering

### IMPORTANT DATES TO REMEMBER

Submission of full length paper: 01.05.2021  
Intimation of acceptance : 03.05.2021  
Last date for registration : 04.05.2021

### REGISTRATION FEE

Students - Rs.800/-  
Academicians/Research Scholars - Rs.1200/-

Mode of Payment by DD/NEFT/UPI/ Online  
link details is share through Email for  
Registration of accepted papers.

### CONTACT ADDRESS:

Dr.V.Revathi, Prof & Head of the department

Department of Civil Engineering, K.S.R. College of Engineering  
K.S.R. Kalvi Nagar, Thokkavadi, Tiruchengode -637402.  
Namakkal Dt. Tamil Nadu, India.  
Ph: 9865442862  
Email: nctsdce21@gmail.com / Web: www.ksrc.ac.in

### THEMES

- Concrete Structures
- Concrete Technology
- Construction Management
- Earthquake Engineering
- Innovative Construction Materials
- Pavement Engineering
- Soil and Foundation Engineering
- Steel and Composite Constructions
- Maintenance & Rehabilitation of Structures
- Sustainable Construction & Building
- Waste to Energy Options
- Water Resource Management
- Disaster mitigation and management
- Remote sensing and GIS applications
- Application of Nano materials in CE
- Other topics related to Civil Engineering

### GUIDELINES TO AUTHORS

➤ The authors are requested to submit the full paper in MS Word not exceeding 6 pages to the E-mail: [nctsdce21@gmail.com](mailto:nctsdce21@gmail.com)

➤ Format: A4 size, Font: Times New Roman 10 pts, Margins: Top & Bottom - 12 mm, Left & Right -15 mm with single line spacing.

➤ First page should include the title of the paper (14 pts), Name of the author, their affiliation, Contact no and their E-mail ID (10 pts), Abstract: Bold (9 pts), Sub headings: Italic (10pts).

➤ The paper must be original and unpublished.

### ONLINE REGISTRATION LINK:

<https://forms.gle/GWJs2JwWdFx6i7bS6>

### For Contact:

Dr. A. Alex Rajesh: 8526665000

Mr.R.Babu: 9597972117

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
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# Eight Virtual National Conference on "Trendy and Sustainable Development in Civil Engineering"


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













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


People Information

ADD OTHERS

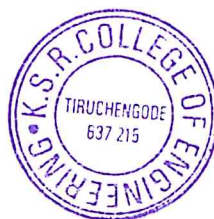
 Share joining information


IN CALL

	Dineshkumar selvaraj (You)		
	Alex Rajesh A		
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**CIVIL ENGINEERING" NCTSDCE - 2021**  
**7TH MAY 2021**  
**REGISTRATION LIST**

S.No	Author	College Name	Title of the paper
1.	N.Deepak, Dr.V.Revathi,	K S R College of Engineering	A study of geo-polymer concrete based on Sugarcane bagasse
2	M.Saravanan, V.Revathi	K S R College of Engineering	Experimental investigation on plastic sand aggregate as a partial replacement for coarse aggregate in concrete
3	L.AnbuSaravanan D.Kanagaraj	K S R College of Engineering	Study on Quality Management in Construction
4	M.Arun, Dr.A.Alex Rajesh	K S R College of Engineering	Risk Management in Building Construction
5.	C.Sandeep Mr.R.BABU	K S R College of Engineering	Study on Waste Management and Minimization in Construction and Demolition Site
6.	B.Suresh, R.Mohanraj	K S R College of Engineering	Study and analyse of delay in commercial construction project
7.	G. Tamilarasi, Dr. V. Revathi	K S R College of Engineering	PERT On Experimental Studies Of Floating Coconut shell Light Weight Aggregate Concrete With Various Additives
8	V.Geetha, Dr.M.Gunasekaran	K S R College of Engineering	Study on behaviour of permeable concrete in the utilization of chemical processing of ash
9.	A.Thomas Eucharist, K.Viswanathan	K S R College of Engineering	Experimental study on performance of metakaolin in pervious concrete
10	G. Kavin, S. Dinesh Kumar	K S R College of Engineering	Study on key determinants of construction delay
11	R. Harshapprabhu, S. Saravanaganesh	K S R College of Engineering	A study on durability characteristics of pervious concrete using marble powder as partial replacement of cement
12	K.S. Niresh Kumar, Dr. K.P.Vishalakshi	K S R College of Engineering	Investigation of factors influencing cost analysis on completion of the project
13	S.Hari Karthick, Dr.P.Prasanthni	K S R College of Engineering	Replacement of coarse aggregate with Construction debris in PPC concrete
14	P.Kishore , V.C.Prabha	K S R College of Engineering	Experimental Investigation on Geopolymer Bricks and its Applications
15	D.Ajithkumar, Mr.S.Elango	K S R College of Engineering	Analysis of Factors Affecting Productivity in Construction Project
16.	P.Sudha, G.Siddesh	K S R College of Engineering	Experimental investigation on partial replacement of fly ash instead of cement in interlocking bricks
17.	P.Sudha1, R.Ajith kumar2	K S R College of Engineering	Experimental investigation on geopolymer mortar using RHA and GGBS




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18.	K.Suresh, Dr.N.Murali Mohan	K S R College of Engineering	A performance study of textile sludge in Concrete
19.	Mohanasundari T P. Karthick	K S R College of Engineering	Strengthening of reinforced concrete beam with polyester resin bonded basalt fiber fabric
20.	K.Selvakumar, C.Indhu	K S R College of Engineering	Study on application of EVA in time and cost optimization in construction equipment and materials
21	S. Boobalan Dr K. sargunan,	K S R College of Engineering	Study on management of bituminous road pavement construction
22	M. Mathiyalagan, Dr. N. Muralimohan	K S R College of Engineering	Measures for the Optimization and Management of Construction Safety Based on BIM Technology
23.	B.M.Kumaravengatesh waran A.Thomas Eucharist	K S R College of Engineering	Experimental study on investigation of saw dust ash and glass powder as partial replacement of cement in concrete
24	S. Shanmathi1, M. Gunasekaran	K S R College of Engineering	Study on behavior of concrete with artificial substance and metallurgical slags
25	T.Vijayashankar, G.M.Sabarivelan.	K S R College of Engineering	Investigation of strength of parameters of fiber reinforced geopolymer concrete using bottom ash

  
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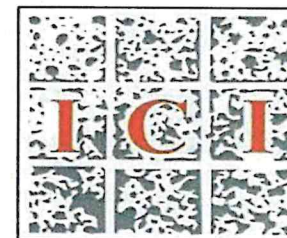




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## Department of Civil Engineering

Eighth National Conference on

"TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING" (NCTSDCE'21)

## Certificate of Appreciation

This is to certify that, Mr. S. Elango Assistant Professor, Department of Civil Engineering, KSRCE has participated/ presented a paper titled Analysis of factors affecting productivity in Construction Project in the Eighth National Conference on **"TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING" (NCTSDCE'21)** Organized by the Department of Civil Engineering, K.S.R.College of Engineering, Tiruchengode, on 12th May 2021.

*Revathi*

**Dr. V. Revathi**  
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**Dr. P. Senthilkumar**  
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