

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 8 U.G. programmes and 13 P.G. programmes and 7 Research 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.

ORGANIZING COMMITTEE

Chief Patrons:

Lion Dr. K. S. Rangasamy, MJF

Founder, K.S.R. Educational Institutions

Mr. R. Srinivasan,

Vice Chairman, K.S.R. Educational Institutions

Patron:

Dr. P. Senthil Kumar, Ph.D (IITM)

Principal

K.S.R College of Engineering, Tiruchengode

Convener:

Dr. V. Revathi

Professor and Head

Department of Civil Engineering

K.S.R College of Engineering, Tiruchengode

Co-Convener

Dr. S. Senthilkumar

Professor

Department of Civil Engineering

K.S.R College of Engineering, Tiruchengode

Organizing Secretaries

Dr. P.Prasanthni, Asst. Prof

Mr. S.Saravanaganesh, Asst.Prof

Members

Faculty of Civil Engineering

NINTH NATIONAL CONFERENCE ON

“TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL

ENGINEERING”

NCTSDCE 2022

10th JUNE 2022

Organised by



Department of Civil Engineering

K.S.R College of Engineering

(Autonomous)

K.S.R Kalvi Nagar, Tiruchengode

Namakkal - 637215

Tamilnadu

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.

Call for Papers

- 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
- 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: nctsdce22@gmail.com
- **PaperFormat:** Paper should be in A4 size of Times New Roman font 10 pts, with margins of 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 (10 pts).
- The Paper must be original and unpublished.

Mode of Conference

The conference will be organized in the online mode. Link details will be shared through Email for the accepted papers.

Online Registration Link



<https://rb.gy/kdfkwj>

For Queries :

Dr.P.Prasanthni : 7373033313

Mr.S.Saravanaganesh: 9894723953

REGISTRATION FEE

Students	:Rs.800/-
Academicians/ Research Scholars	:Rs.1200/-
Mode of Payment by DD/NEFT/UPI/Online	

FOR ONLINE PAYMENT

Account Name :Civil Engineering-KSRCE
Account No. :231801000009233
Bank :Indian Overseas Bank
IFSC Code :IOBA0002318
Branch :T.Goundampalayam, Tiruchengode
MICR Code :638020030

IMPORTANT DATES TO REMEMBER

Submission of full length paper: **25.05.2022**
Intimation of acceptance : **27.05.2022**
Last date for registration : **28.05.2022**

CONTACT ADDRESS

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K.S.R.COLLEGE OF ENGINEERING

(AN AUTONOMOUS INSTITUTION)
TIRUCHENGODE

We cordially invite you all for the

NINTH NATIONAL CONFERENCE ON “TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING”

NCTSDCE 2022

Lion Dr. K.S.RANGASAMY.,MJF

*Founder and Chairman, K.S.R.Group of Institutions
Will kindly consented to deliver the Presidential Address*

Thiru.R.SRINIVASAN,B.B.M, MISTE

*Vice Chairman, K.S.R. Educational Institutions
Will kindly consented to deliver the Felicitation Address*

Dr.P.Senthilkumar

PRINCIPAL

*K.S.R. College of Engineering
has kindly consented to preside over the function*

Chief Guest

Dr.P.Velumani

Associate Professor

*BMS Institute of Technology and Management
Avalahali, Bengaluru*

Date:10-06-2022

Time 09.30 A.M

Venue: CIVIL DEPARTMENT MEETING HALL

All are Welcome



K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE- 637215

DEPARTMENT OF CIVIL ENGINEERING

NINTH National Level Conference

On

“Trendy and Sustainable Development in Civil Engineering”

10th June 2022

Google Meet link: <https://meet.google.com/tmy-eeoq-yoz>

Chair Person: Dr S.Senthilkumar, Professor/Civil

<i>S.NO</i>	<i>Paper ID</i>	<i>Title of the paper</i>	<i>Author</i>	<i>College Name</i>	<i>Timings</i>
1	NCTSDCE01	Experimental Investigation on Partial Replacement of Cement Using Waste Glass Powder	Dr. R. Saravanan, Ms S. Jayashree, Ms R. Nandhini, Ms S. Rahini	Kings College of Engineering, Punalkulam	10 am to 10.10 am
2	NCTSDCE02	Experimental Investigation on Partial Replacement of Cement Using Oystershell Powder	Ms. K. Elakkiya Ms.S. Jayalakshmi, Ms R. Padma Reka, MsC.Pavithra, MsN.Sarmila	Kings College of Engineering, Punalkulam	10.10am to 10.20 am
3	NCTSDCE32	Experimental Investigation on Treatment of Commercial Effluent Using Activated Sludge Process	Mr. R.Ramchandar P.Abinaya B.Priyanka K.Roosika	Kings College of Engineering, Punalkulam	10.20 am to 10.30 am
4	NCTSDCE33	Experimental Investigation On Treatment Of Commercial Effluent Using Activated Sludge Process	Mr. R.Ramchandar P.Abinaya B.Priyanka K.Roosika	Kings College of Engineering, Punalkulam	10.30 am to 10.40 am
5	NCTSDCE03	Development of Green Building Construction Schemes To Reduce Development Footprint In Building	K.Selvakumar, R.Monisha	K.S.R College of Engineering, Tiruchengode	10.40 am to 10.50 am
6	NCTSDCE04	Experimental investigations of making flexible pavement by using discarded plastic	Mr.S. Elango, Dr.S.Senthilkumar M.Pradeep,	K.S.R College of Engineering,	10.50 am to 11 am

		and Ferruginous quartz stone powder	K.Vigneshwaran	Tiruchengode	
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Google Meet link: meet.google.com/udc-xnzo-gyd

Chair Person: Dr M.Guneseakaran, Associate Professor/Civil

1	<i>NCTSDCE07</i>	Study on Investigation of Partial Replacement of Fine Aggregate by Quarry Dust and Fly Ash in Concrete	K. Manikandan P.Sudha	K.S.R College of Engineering, Tiruchengode	10 am to 10.10 am
2	<i>NCTSDCE08</i>	Experimental Investigation on Plastic Sand Aggregate as a Partial Replacement for Coarse Aggregate in Concrete	Balamurugan P.Prasanthni	K.S.R College of Engineering, Tiruchengode	10.10am to 10.20 am
3	<i>NCTSDCE09</i>	An Analytical Study of The Key Barriers In Construction Project Coordination	Dr.P.Prasanthni Ramprasath	K.S.R College of Engineering, Tiruchengode	10.20 am to 10.30 am
4	<i>NCTSDCE10</i>	A detailed report on quality control Management in construction industry	T. Suthanraj Dr.V.Revathi	K.S.R College of Engineering, Tiruchengode	10.30 am to 10.40 am
5	<i>NCTSDCE11</i>	Study on lean practices implementation issues in Indian construction industry	S. Aravind Dr N.Muralimohan	K.S.R College of Engineering, Tiruchengode	10.40 am to 10.50 am
6	<i>NCTSDCE12</i>	Analytical study on seismic response of RC and steel Structures with lead rubber bearing in dampers using ETABS	N.Prabakar V.Revathi	K.S.R College of Engineering, Tiruchengode	10.50 am to 11 am

Google Meet link: meet.google.com/nsp-ocvs-zey

Chair Person: Dr A.Alex Rajesh, Assistant Professor/Civil

1	<i>NCTSDCE24</i>	Construction of specimen of GFRG (glass fiber reinforced gypsum) Panels as walls in 5Building Instead of Conventional Walls	Pranav Chavan Pratham lad Prathamesh DeshmukhGauriMune B. Manjula Devi	DattaMeghe College of Engineering, Sector-3, Airoli, Navi Mumbai-400708	10 am to 10.10 am
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2	NCTSDCE19	A Review an Optimum Length of Railway Sleepers	Parth Patil, Parth Pitale,Suyash Gage,Yash Movalia, B. Manjula Devi	<i>DattaMeghe College of Engineering, Sector-3, Airoli, Navi Mumbai-400708</i>	10.10am to 10.20 am
3	NCTSDCE15.	An Experimental Study on Papercrete Bricks Manufactured Using Paper Pulp Lime Cement and Fly Ash	P.Sudha, S Brindha	K.S.R College of Engineering, Tiruchengode	10.20 am to 10.30 am
4	NCTSDCE16.	Experimental Investigation on Recron Fiber Infused Self Curing Concrete	S.Pradheep Dr.M.Gunasekaran	K.S.R College of Engineering, Tiruchengode	10.30 am to 10.40 am
5	NCTSDCE13	Sustainable geopolymer concrete using ground granulated Blast furnaceslag and rice husk ash: strengthProperties	P.Hema R. Abinaya, S.Chandran, B. Dinesh, M. Karthick, V.Revathi	K.S.R College of Engineering, Tiruchengode	10.40 am to 10.50 am
6	NCTSDCE14.	Experimental Study on Partial Replacement of fine aggregate by spent coffee grounds in concrete	P.Prasanthni, V.Venkataramanan, M.Bose, T.Gowthamraaj	K.S.R College of Engineering, Tiruchengode	10.50am to 11am

Google Meet link: meet.google.com/rdx-ihpg-vvc

Chair Person: Mr K.Selvakumar, Assistant Professor/Civil

1	NCTSDCE18	Experimental Investigation Under Flexural Loading On Behaviour of Ferrocement Channels	D.Jayakumar N.JeyapremrajDr.M.Gunasekaran	K.S.R College of Engineering, Tiruchengode	10 am to 10.10 am
2	NCTSDCE20	Study Of Geopolymer Concrete Using Ground Granulated Blast Furnance Slag And Flyash	Mr.S.Saravanaganesh, Ajith A, Gokulraj R, Suresh kumarP	K.S.R College of Engineering, Tiruchengode	10.10am to 10.20 am
3	NCTSDCE21	Experimental Study On Metakaolin and Rice-Husk Ash Based on Geopolymer Concrete	S. Dineshkumar, V.Kavinprasath, L.V. Thatchanamurthy, S.V.Ravivarma,	K.S.R College of Engineering, Tiruchengode	10.20 am to 10.30 am
4	NCTSDCE22	Strength and Durability Of E-Plastic Waste Concrete Incorporating Quarry Dust	D.Kanagaraj, A.Kalaiya Pandian	K.S.R College of Engineering,	10.30 am to 10.40 am

				Tiruchengode	
5	NCTSDCE23	Experimental study on geopolymer Concrete with different types of curing	Mr.A.Thomaseucharist Mr.T.VijayashankarP.Sant hosh Kumar K.Anandharaj P.Kesavakumar V.Revathi	K.S.R College of Engineering, Tiruchengode	10.40 am to 10.50 am
6	NCTSDCE17	Experimental Investigation for Urban Roads Diesel Driven Vehicles Air Pollution Modeling	G.MeenakshiSundaramM. SaravanaPrabhuV.Subram anian Dr.M.Gunasekaran	K.S.R College of Engineering, Tiruchengode	10.50am to 11am

Google Meet link: meet.google.com/dat-exxi-kxj

Chair Person: Mr D.Kanagaraj, Assistant Professor/Civil

1	NCTSDCE25	An Experimental Study of Concrete by Partial Replacement of Alccofine and Rice Husk Ash	A.Thomas Eucharist V.Renuka	K.S.R College of Engineering, Tiruchengode	10 am to 10.10 am
2	NCTSDCE26	Experimental study on partial replacement of coarse Aggregate by coconut shell in concrete	A. Alex Rajesh, A. Gokul, P.S. Hariprasath , A. Kaviyaran4, T. Kirubakaran	K.S.R College of Engineering, Tiruchengode	10.10am to 10.20 am
3	NCTSDCE27	Experimental Study on Administer of Futile Materials by Means of Green Concrete	B. Suresh, S. Naveenkumar, S. Saranraj, B. Vetrivel	K.S.R College of Engineering, Tiruchengode	10.20 am to 10.30 am
4	NCTSDCE28	Experimental Investigations of MakingFlexiblePavement by Means ofDiscardedPlasticas Well as Mineral Fillers	S. Elango D. Kanagaraj, P. Dhivakar, V. Sasikumar, R. Ravishankar	K.S.R College of Engineering, Tiruchengode	10.30 am to 10.40 am
5	NCTSDCE29	Experimental Study on Geopolymer Concrete Using Heavy Weight Aggregate	T. Vijayashankar, Mehul Jha, Manikandan.V Mugeshkann.R, Rema.M	K.S.R College of Engineering, Tiruchengode	10.40 am to 10.50 am
6	NCTSDCE 30	Assessment of Water Pollution Level Around the Industrial Area (3 Districts)	G. Tamilarasi M.Aravindh M.gokul K.muthuraja	K.S.R College of Engineering, Tiruchengode	10.50am to 11am

<p>Google Meet link: meet.google.com/qxr-ufhs-rqa Chair Person: FN – Dr P.Prasanthni, Assistant Professor/Civil</p>					
1	<i>NCTSDCE05</i>	Strength Studies on Geo-Polymer Concrete By Using Fly Ash and Quarry Dust	Mr.S.Saravanaganesh, S.Mayilsamy	K.S.R College of Engineering, Tiruchengode	10 am to 10.10 am
2	<i>NCTSDCE31</i>	Experimental study on partial replacement of coarse Aggregate by E-waste in concrete	Dr P.Prasanthni R.Nallenthiran T.Manickavel M.Saravanan S.Prabhakaran	K.S.R College of Engineering, Tiruchengode	10.10am to 10.20 am
3	<i>NCTSDCE32</i>	Experimental study on partial replacement of fine aggregate By steel slag in concrete	R.Babu , L.Naveenkumar M.Sathish kumar R.Srinivasan	K.S.R College of Engineering, Tiruchengode	10.20 am to 10.30 am
4	<i>NCTSDCE06</i>	An Analysis On Employee Turnover Problem In Construction Industry	Mr.A.Thomas Eucharist R.Ragul	K.S.R College of Engineering, Tiruchengode	10.30 am to 10.40 am



K.S.R.COLLEGE OF ENGINEERING

(Autonomous)

Affiliated to Anna University Chennai & Approved by AICTE

Accredited by NAAC with A Grade and Eligible courses accredited by NBA

K.S.R Kalvi Nagar, Tiruchengode - 637 215 Namakkal District, Tamilnadu, India

DEPARTMENT OF CIVIL ENGINEERING

NINTH NATIONAL CONFERENCE ON

“TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING”

NCTSDCE - 2022

CERTIFICATE

This is to certify that **Mr. K.SELVAKUMAR**, Assistant Professor, K.S.R. College of Engineering, Tiruchengode, has presented a paper titled **Development of Green Building Construction Schemes To Reduce Development Footprint In Building** in the Ninth National Conference on "Trendy and Sustainable Development in Civil Engineering NCTSDCE 2022 Organized by the Department of Civil Engineering , K.S.R. College of Engineering, Tiruchengode on 10th June 2022.

Coordinator














































Convener & HoD / Civil





Principal

← About this call

People

Information 

-  K. Seivakumar CIVIL  
-  Kavin prasath  
-  Kaviyaran Angamuthu  
-  M. Aravindh  
-  NaveenKumar Lakshmanan  
-  Navin .S  
-  NCTSDCE 22  
-  NCTSDCE 22 (Presentation)  
-  Parth patil  
-  prasanthni gowthaman  
-  Priyanka b  
-  PSG SOLUTIONS PRABAK...  
-  RAVI VARMA S V BE CIVIL ...  
-  TAMILARASI MURU  
-  VENKATARAMANAN V  

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NCTSDCE 22: Link 1

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ABOUT THE INSTITUTION

K.S.R. College of Engineering was established in the year 2011 by virtue of Deed and Charitable Trust, approved by AICTE, New Delhi and affiliated to Anna University. The college is an NAAC (A Grade) Accredited & ISO 9001:2015 certified institution and offers B.E., B.Tech and M.Tech programmes and 7 Research Programmes.

The college is situated in the District, Tiruchengode and is the first and only engineering institution in the region. The college is located in a sprawling campus of about 250 acres in the serene and beautiful surroundings amongst 25 K.S.R. Group of Institutions. They enjoy the modern infrastructure, well equipped laboratories and computerized library with access to many National & International journals.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 2012 with a goal to be the best of its kind in the development and implementation of innovative and research oriented projects in the areas of Construction, Infrastructure and Management. The department has been regularly presenting papers in journals and conferences.

The department also offers M.Tech in Structural Engineering and Construction Engineering & Management at P.O level. Furthermore, the department is a Research Centre approved by Anna University. The Department has topped "Top three institutions" from N.S.A. New Delhi.

ORGANIZING COMMITTEE

Chief Patron:
 Lion Dr. K. S. Rangasamy, MIF
 Founder, K.S.R. Educational Institutions
 Mr. K. Srinivasan,
 Vice Chairman, K.S.R. Educational Institutions
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 Dr. P. Senthil Kumar, Ph.D (ITM)
 Principal,
 K.S.R. College of Engineering, Tiruchengode
 Co-Chairman:
 Dr. V. Levalathi
 Professor and Head,
 Department of Civil Engineering,
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 Co-Chairman:
 Dr. S. Senthil Kumar
 Professor,
 Department of Civil Engineering,
 K.S.R. College of Engineering, Tiruchengode
 Organizing Secretaries:
 Dr. P. Prasaanthi, Asst. Prof
 Mr. S. Saravananth, Asst. Prof
 Members:
 Faculty of Civil Engineering.

NINTH NATIONAL CONFERENCE ON "TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING"
 NCTSDCE 2022
 10th JUNE 2022
 Organized by
 Department of Civil Engineering,
 K.S.R. College of Engineering
 (Autonomous)
 K.S.R. Kalvi Nagar, Tiruchengode
 Namakkal - 637215
 Tamilnadu

NCTSDCE is presenting



Dr. P. V...

Dr. Se...

You

K. Sel...

pra52 others



NCTSDCE 22 is presenting

ABOUT THE INSTITUTION

K.S.R. College of Engineering was established in the year 1983 by some educational and Charitable Trusts approved by AICTE, New Delhi and affiliated to Anna University, Chennai. The college is an Autonomous Institute and is providing quality education and offers a wide range of UG, PG, professional and Research Programs.

The college is situated on the Outer Perungudi Road, Egmore, Chennai. The college is located in a strategic location of about 100 meters to the Chennai Airport. The college has a well equipped library of about 1,00,000 books and journals. The college has a well equipped laboratory and workshop facilities. The college has a well equipped hostel and canteen facilities.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 1983 with a growing demand for the education in this discipline. The Department is providing a wide range of UG, PG, professional and Research Programs. The Department has a well equipped laboratory and workshop facilities. The Department has a well equipped hostel and canteen facilities.

ORGANIZING COMMITTEE

Chair Person:
Mrs. K. S. Srinivasan, IAS
President, K.S.R. College of Engineering
Member, Anna University
The Chairman, K.S.R. College of Engineering
Faculty
Dr. F. Senthil Kumar, Ph.D (1974)
Principal,
K.S.R. College of Engineering, Egmore,
Chennai
Dr. K. Srinivasan,
Professor and Head,
Department of Civil Engineering,
K.S.R. College of Engineering, Egmore,
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Department of Civil Engineering,
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Chennai
Dr. P. Prasad, Asst. Prof.
Mr. S. Srinivasan, Asst. Prof.
Members
Faculty of Civil Engineering

NATIONAL CONFERENCE ON TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING
NCTSDCE 2022
19th-20th 2022
Organized by
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K. Srinivasan C... | NCTSDCE 22 | 09 SANKAR | presented | D. Sankaranarayanan | 02 others