

S No	year	Name of the event organized	Funding Agency	Title	Number of Participants	Amount in Rs.	Keynote Speaker
1.	2022-23	National Conference	Self Support	Tenth Virtual National Conference on Trendy and Sustainable Development In Civil Engineering” NCTSDCE 2023	27	-	Dr. L. K. Rex, M.E., PhD Consultant-Civil & Structural Engineering, M/s. Mavika Tech Mugalivakkam Chennai-600125

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

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

ORGANIZED BY

DEPARTMENT OF CIVIL ENGINEERING

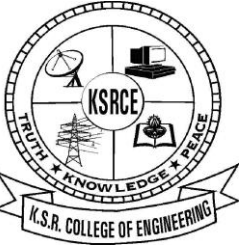
Tenth National Conference

Academic Year: 2022– 2023

TITLE

Tenth National Conference on
"Trendy and Sustainable Development in Civil Engineering"

DATE: 02.06.2023



**K.S.R. COLLEGE OF ENGINEERING: TIRUCHENGODE – 637 215
(Autonomous)**

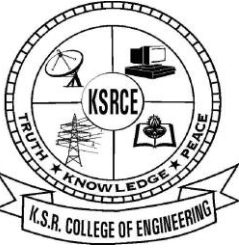
Event Schedule

1	Name of the Event (Seminar/Workshop/Conference/FDP/Any other)	10 th National Conference
2	Name of the Department	Civil Engineering
3	Date of the Event	02.06.2023
4	Venue	Meeting Hall -civil
5	Title of the Event	Tenth National Conference On “Trendy And Sustainable Development In Civil Engineering”
6	Name of the Co-ordinators	Dr. V. Revathi Prof and Head Dr. M. Gunasekar, Asso. Prof Mr. S. Dineshkumar, Asst.Prof
7	Total Participants	30
8	Objectives of the Event	The main goal was to bring together students, academics, scientists, practicing engineers, and industry experts to discuss novel concepts, innovative research methods, and a wide range of topics related to the sustainable development of civil engineering.


CO-ORDINATOR


HoD/CIVIL


PRINCIPAL



**K.S.R. COLLEGE OF ENGINEERING: TIRUCHENGODE – 637 215
(Autonomous)**

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

Date: 02.06.2023

EVENT REPORT

Tenth National Conference on "Trendy and Sustainable Development in Civil Engineering" was organised by the department of Civil Engineering in K.S.R. College of Engineering, Tiruchengode, and it was held on June 02, 2023.

The NCTSDCE-2023's main goal was to bring together students, academics, scientists, practising engineers, and industry experts to discuss novel concepts, innovative research methods, and a wide range of 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-23, welcomed the gathering in her welcoming speech. Thiru. R. Srinivasan, chairman, K.S.R. Educational Institutions, delivered the presidential address. Dr. P. Senthilkumar, Principal, KSRCE offered the principal address.

The ceremony's inaugural address was given by Dr. L. K. Rex, M.E., PhD Consultant-Civil & Structural Engineering, M/s. Mavika TechMugalivakkam Chennai-600125. The National Conference received 40 research papers out of which 30 papers were selected for presentation. The NCTSDCE-23 organising secretary, S.Dineshkumar, delivered the vote of thanks.


CO-ORDINATOR


HoD/CIVIL


PRINCIPAL

K.S.R.COLLEGE OF ENGINEERING (Autonomous)

K.S.R Kalvi Nagar, Tiruchengode



We cordially invite you all for the
**“TENTH NATIONAL CONFERENCE ON TRENDY AND SUSTAINABLE
DEVELOPMENT IN CIVIL ENGINEERING”**
NCTSDCE 2023

Theivathiru.Lion Dr. K.S.RANGASAMY.,MJF
Founder, K.S.R.Group of Institutions

Thiru.R.SRINIVASAN,B.B.M, MISTE
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. L. K. Rex, M.E., PhD
Consultant-Civil & Structural Engineering,
M/s. Mavika Tech
Mugalivakkam
Chennai-600125



Date: 02-06-2023

Google Meet link: <https://meet.google.com/qia-rtst-maq>

All are Welcome

Time 09.30 A.M

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 9 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:

Theivathiru. Lion Dr. K. S. Rangasamy, MJF

Founder, K.S.R. Educational Institutions

Mr. R. Srinivasan,

Chairman, K.S.R. Educational Institutions

Patron:

Dr. P. SenthilKumar, 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. M.Gunasekaran, Assoc. Prof

Mr. S.Dineshkumar, Asst.Prof

Members

Faculty of Civil Engineering

TENTH NATIONAL CONFERENCE ON

“TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL

ENGINEERING”

NCTSDCE 2023

2nd JUNE 2023

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: nctsdce23@gmail.com
- **Paper Format:** 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://forms.gle/BPyUZTe76DXUtXTw7>

For Queries :

Dr. M.Gunasekaran: 9865441032
Mr. S.Dineshkumar: 9688661336

REGISTRATION FEE

Students : Rs.1200/-
Academicians/ : Rs.1500/-
Research Scholars
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: **15.05.2023**
Intimation of acceptance: **18.05.2023**
Last date for registration: **18.05.2023**

CONTACT ADDRESS

Dr.V.Revathi,
Professor and Head
Department of Civil Engineering
K.S.R College of Engineering, Tiruchengode
Ph:9865442862
Email: nctsdce23@gmail.com
Website: www.ksrce.ac.in



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

Tenth National Level Conference On "Trendy and Sustainable Development in Civil Engineering" 2nd June 2023



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

Tenth National Level Conference On “Trendy and Sustainable Development in Civil Engineering” 2nd June 2023

9:43 AM | qja-rtst-maq

Navin Sivakumar is presenting

The construction industry plays an essential role in a country's economy. This is fundamental to the country's development too. There are several challenging engineering and management problems that occur on construction sites which head to the high quantity of rework, defects, delays, disagreements, and cost overruns on construction projects. Therefore it is important to have a process of management for construction project. A construction site's success is based on project time, quality and cost. Completing a project within time, quality and cost is an important task and management helps to achieve those. A construction project has three stages; design stage, production stage and operation stage. In each task there are several personals and teams.

10:27 AM | hxv-csyx-gca



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

DEPARTMENT OF CIVIL ENGINEERING

Tenth National Level Conference On “Trendy and Sustainable Development in Civil Engineering” 2nd June 2023

Google Meet link 1: <https://meet.google.com/qia-rtst-maq>

Chair Person: Dr.N.Muralimohan, Associate Professor/Civil

S.NO	Paper ID	Title of the paper	Author	College Name	Timings
1.	NCTSDCE01	Durability of Lightweight Geopolymer Concrete made With GGBS and RHA –A Review	S.Sathiyaruba, P.Hema Dr.V.Revathi	KSRCE	10 am to 10.10 am
2.	NCTSDCE02	A Study of Quality Control Management in Construction Industry	Dhinakaran S.B S.Elango	KSRCE	10.10am to 10.20 am
3.	NCTSDCE03	A Study of Passive Solar Energy System in Building Construction	Santhosh M A.Thomas Eucharist.	KSRCE	10.20 am to 10.30 am
4.	NCTSDCE04	Experimental Study on Power Generation on Tile Using Piezo Electric Sensor	J.Vidhya Dr.M.N.A.Gulshan Taj	Kauvery college	10.30 am to 10.40 am
5.	NCTSDCE05	Experimental Investigation on Partial Replacement of Fine Aggregate by Halite in High Performance Concrete	K.Selvakumar, G.Sowmiya	KSRCE	10.40 am to 10.50 am
6.	NCTSDCE06	Detailed Report to Solve and Improvement of Intelligent Transport System	Boopathi.S .S.Dinesh Kumar	KSRCE	10.50 am to 11 am
7.	NCTSDCE07	Experimental Investigation of Partial Replacement of Fine Aggregate with Plastic Power in Geopolymer Concrete	Suresh.T B.Suresh	KSRCE	11.00 am to 11.10 am



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DEPARTMENT OF CIVIL ENGINEERING

Tenth National Level Conference On "Trendy and Sustainable Development in Civil Engineering" 2nd June 2022

Google Meet link 2 : <https://meet.google.com/qia-rtst-maq>

Chair Person: Dr.P.Sudha, Associate Professor/Civil

S.NO	Paper ID	Title of the paper	Author	College Name	Timings
1.	NCTSDCE08	Field Investigation on Ergonomics Risk Aspects of Labour in Construction Site 2	Radhakrishnan S P Sudha	KSRCE	10 am to 10.10 am
2.	NCTSDCE09	Review on Strength Aspects of Light weight Geopolymer Concrete With GGBS and RHA	M.Arhibu Nithi , P.Hema, V. Revathi	KSRCE	10.10am to 10.20 am
3.	NCTSDCE10	An Endurance-Assessment of Concrete With A Partial Fraction of Nano-Admixture and High-Range Water Reducers when Exposed to Diverse Chemicals	Ponnusamy Alex Rajesh Gobinath	KSRCE	10.20 am to 10.30 am
4.	NCTSDCE11	Strength and Durability Study of Geopolymer Concrete with Silica Fume as Mineral Admixture	C.Yokhesh T.Vijayashankar	KSRCE	10.30 am to 10.40 am
5.	NCTSDCE12	Experimental Study on Behavior of Concrete Filled Tubular Columns with Varying Steel Materials	P.Saswin N.Muralimohan	KSRCE	10.40 am to 10.50 am
6.	NCTSDCE13	Experimental Study of High Strength Geopolymer Concrete with Alumina-Silica Materials	T.Santhosh Kumar T.Vijayashankar	KSRCE	10.50 am to 11 am
7.	NCTSDCE14	Comparative Study on Reinforced Fly Ash Brick Masonry	V.Santhiya M.Gunasekaran	KSRCE	11.00 am to 11.10 am



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

DEPARTMENT OF CIVIL ENGINEERING

Tenth National Level Conference On "Trendy and Sustainable Development in Civil Engineering" 2nd June 2022

Google Meet link3. : <https://meet.google.com/hxv-csyx-qca>

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

S.NO	Paper ID	Title of the paper	Author	College Name	Timings
1.	NCTSDCE15	Development of Innovative System to Aide the Construction Industry	N.Yogiraja Mr.R.Babu Dr.S.Senthilkumar	KSRCE	10 am to 10.10 am
2.	NCTSDCE16	A Pervious Concrete Durability Study with Marble Powder as A Fractional Substitute of Cement	G Meenakshi Sundaram Mr.D.Kanagaraj S. Elango	KSRCE	10.10am to 10.20 am
3.	NCTSDCE17	Experimental Studies on Lightweight Cementations Composites Performance	N. Jeyapremraj Dr. M. Gunasekaran	KSRCE	10.20 am to 10.30 am
4.	NCTSDCE18	Extracts From Cost Overruns, Delays, and Risk Management	N. Sakthivelu Dr. S. Senthilkumar, Dr. M. Gunasekaran	KSRCE	10.30 am to 10.40 am
5.	NCTSDCE19	Performance and Behavior Of Concrete With Partial Replacement of Cement, Carbon Black, and Natural Fine Aggregate	D. Jayakumar, Dr. P. Sudha	KSRCE	10.40 am to 10.50 am
6.	NCTSDCE20	An Experimental Investigation of Grout With Quartz Power	M. Saravana Prabhu, S. Dineshkumar	KSRCE	10.50 am to 11 am
7.	NCTSDCE21	Geopolymer Bricks Under Scrutiny: Researching their Feasibility and Potential Applications	V. Subramanian Dr. S. Senthilkuma Dr. M. Gunasekaran	KSRCE	11.00 am to 11.10 am



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

DEPARTMENT OF CIVIL ENGINEERING

Tenth National Level Conference On "Trendy and Sustainable Development in Civil Engineering" 2nd June 2022

Google Meet link 4 : <https://meet.google.com/cyp-ygdg-rqh>

Chair Person: Dr P.Prashanthni, Assistant Professor/Civil

S.NO	Paper ID	Title of the paper	Author	College Name	Timings
1.	NCTSDCE22	Study on Investigation of Behaviour of Rc Beam by Using Rebar Coupler	Mujeebur Rahaman D, Prasanthni.P,	KSRCE	10 am to 10.10 am
2.	NCTSDCE23	Experimental Study on Latex Modified Basalt Fibre Concrete	Sunil Jerome, A. Thomas Eucharist	KSRCE	10.10am to 10.20 am
3.	NCTSDCE24	Experimental on Study of Geopolymer Concrete using fly ash and GGBS	<i>R.Mukesh,</i> <i>S.SaravanaGanaesh</i>	KSRCE	10.20 am to 10.30 am
4.	NCTSDCE25	Management Principles and Application for Construction and the Building Environment Sector	Naveen Bharathi S K.Selva Kumar	KSRCE	10.30 am to 10.40 am
5.	NCTSDCE26	Application of Construction 4.0 In Internet of Things And Lean Construction of Tools In The Quality Management System of Residential Building Projects	B.Muthu Kumaran, Dr.N.Murali Mohan	KSRCE	10.40 am to 10.50 am
6.	NCTSDCE27	Economical Cost Control and Duration Analysis in Repair and Rehabilitation of Building	<i>S.Eraibalan,</i> <i>R.Babu</i>	KSRCE	10.50 am to 11 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

TENTH NATIONAL CONFERENCE ON "TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING" NCTSDCE - 2023

CERTIFICATE

This is to certify that **Mr.K.Selvakumar** Assistant Professor K.S.R. College of Engineering, Tiruchengode, has presented a paper titled **Management Principles and Application for Construction and the Building Environment Sector** in the Tenth National Conference on "Trendy and Sustainable Development in Civil Engineering NCTSDCE 2023 Organized by the Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode on 2nd June 2023.



Coordinator



Convener & HoD / Civil



Principal