

<b>S No</b>	<b>year</b>	<b>Name of the event organized</b>	<b>Funding Agency</b>	<b>Title</b>	<b>Number of Participants</b>	<b>Amount in Rs.</b>	<b>Keynote Speaker</b>
1.	2021-22	National Conference	Self Support	Ninth National on Trendy And Sustainable Development in Civil Engineering	60	-	Dr.P.Velumani Associate Professor BMS Institute of Technology and Management Avalahali, Bengaluru.
2.	2021-22	STTP	AICTE	A Beeline for Circular Economy through Sustainable Waste Management	240	1,97,950	Dr. P. Vijayalakshmi Deputy Chief Scientist TN Pollution Control Board Chennai Dr. G. Venkatesan Ass Pro(Sr.Gr)/civil University College of Engineering Anna university tiruchirappalli.

# K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE

(Autonomous)

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

ORGANIZED BY

DEPARTMENT OF CIVIL ENGINEERING

AICTE Sponsored Short-term Training Program (STTP) - Phase : II

Academic Year: 2020 – 2021

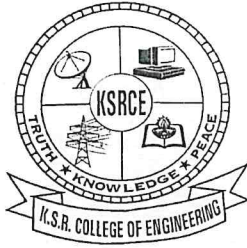
TITLE

A Beeline for Circular Economy through Sustainable Waste  
Management – Phase: II

DATE(S): 26.04.2021 to 01.05.2021



  
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TIRUCHENGODE-637 215



K.S.R. COLLEGE OF ENGINEERING:TIRUCHENGODE – 637 215  
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### Event Schedule and Report

1	Name of the Event (Seminar/Workshop/Conference/FDP/Any other)	AICTE Sponsored Short-term Training Program (STTP) - Phase : II
2	Name of the Department	Civil Engineering
3	Date of the Event	26.04.2021 to 01.05.2021
4	Venue	Online mode through Google Meet
5	Title of the Event	A Beeline For Circular Economy through Sustainable Waste Management – Phase : II
6	Name of the Co-ordinators	Dr.V.Revathi , Prof and Head Dr. S. Senthilkumar, Prof Dr.N.Muralimohan , Asoct.Prof Mr.S.Elango, Asst.Prof
7	Total Participants	96
8	Objectives of the Event	In this STTP focuses on four simple principles: designing out waste and pollution, keeping products and materials in use, regenerating natural systems and suggesting suitable research methodologies.

CO-ORDINATOR

**Dr. S.SENTHILKUMAR,**  
Professor of Civil Engineering,  
K.S.R. College of Engineering,  
Tiruchengode- 637215.

HoD/CIVIL

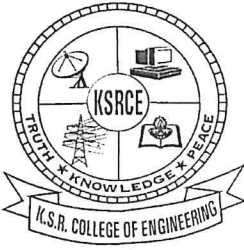
**Dr. V. REVATHI, M.Tech., Ph.D.,**  
Professor and Head  
Department of Civil Engineering  
K.S.R. College of Engineering  
Tiruchengode - 637 215.



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**AICTE sponsored STTP on “A Beeline for Circular Economy through Sustainable Waste Management”  
SCHEDULE OF PHASE – II (26.04.2021 to 01.05.2021)**

**Intent of the Event:**

- Consume Less: The circular economy focuses on better use of natural resources.
- Consume Better: A circular economy is not only about consuming less; it's also about consuming better.
- Create Systemic Change: Through appropriate research methodologies.

**Theme:**

The shift from a linear to a circular economy is a major challenge that requires a much stronger commitment to sustainable management of waste and resources. In the first place, less waste needs to be generated through the development of sustainable products and the massive deployment of an infrastructure for reuse and repair. Secondly, it calls for investment in greater recycling capacities in particular for food waste, plastic and packaging waste that achieve only low recycling rates today or that have been exported for recycling to China in the past. Finally, incineration and landfilling have to be reduced to a minimum whilst at the same time tackling the legacy of European landfills to regain land and eco-systems.

The circular economy offers providing guidelines, good practices and tools for urban decision-makers and imparting this information in training courses. Topics include planning and financing waste management systems, business models and economic instruments and the inclusion of climate-related aspects and technologies to reduce greenhouse gases in waste management and the circular economy with recent research methodologies.

**The STTP program Schedule is:**

Dr. P. Vijayalakshmi, Deputy Chief Scientist, Tamilnadu Pollution Control Board, Chennai delivered a keynote address on A Way to Circular Economy for Sewage wastewater by 3R Principle. Dr. S. Kanmani, Associate Professor / Department of Civil Engineering, KPRIET, Coimbatore talked about Circular Economy and Resource Recovery from Waste. Dr. G. Venkatesan, Assistant Professor(Sr. Gr) / Department of Civil Engineering, University College of Engineering (BIT campus), Anna University, Tiruchirappalli discussed on Integrated solid waste management in smart city. Dr. HemaSudhakar, Associate Professor / Department of Civil Engineering, Sri Ramakrishna Engineering College, Coimbatore highlighted on Big data for waste management. Dr. Vihangraj V. Kulkarni, Assistant Professor, Department of Civil Engineering, NIT- Silchar delivered a lecture on Synthesis of bio-adsorbent/Bio-resin for industrial wastewater remediation: A case of lead-acid battery manufacturing industry. Dr. P. Arulmathi, Assistant Professor / Department of Civil Engineering, University College of Engineering, Dindigulnarrated on Waste management and Cleaner Production technology. Dr. Abhilash T. Nair, Assistant Professor / Environmental Engineering, NIFFT-Hatia-Ranchi told about Application of sludge from water treatment plants for wastewater treatment. Dr. K. Prasanna, Assistant Professor / Civil, College of Engineering & Technology, SRM Institute of Science and Technology, Kattankulathur discussed about Conventional technologies in sustainable waste management. Dr. G. Shyamala, Professor / Department of Civil Engineering, S R University, Telangana highlighted about Solid waste management in smart cities - A sustainable approach. Dr. MotheGopi Kiran, Associate Professor/ Civil, Lingayas Institute of Management and Technology, Vijayawada gave a lecture on Transition in Economy from Linear to Circular: India's role in solid waste management through technologies that recycle and regenerate. Dr. L. K. Rex, Consultant, Civil - Structural – Environmental Engineering, M/s. Associated Minds & Technologies, Pondicherry suggested on Materials from wastes in developing cost effective alternative towards a Sustainable Development. In conclusion, Participants got an idea about appropriate research methodologies in connection with circular economy through sustainable waste management.

**CO-ORDINATOR**

**Dr. S.SENTHILKUMAR,**  
Professor of Civil Engineering,  
K.S.R. College of Engineering,  
Tiruchengode- 637215.

**Revathi**  
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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Lion. Dr. K.S. Rangasamy., MJF  
Founder Chairman



Thiru. R. Srinivasan, B.B.M., MISTE  
Vice-Chairman

## K.S.R.COLLEGE OF ENGINEERING

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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 Dt. Tamil Nadu

### DEPARTMENT OF CIVIL ENGINEERING

#### IQAC-FACULTY SKILL DEVELOPMENT PROGRAMME

Organizes

AICTE Sponsored one week Online STTP on



## A Beeline for Circular Economy through Sustainable Waste Management (Phase-II)



KSRCE

### Organizing Committee

#### Patrons:

**Lion. K. S. Rangasamy, MJF.**  
Founder Chairman  
K.S.R. Educational Institutions

**Thiru. R. Srinivasan, B.B.M., MISTE**  
Vice-Chairman  
K.S.R. Educational Institutions

#### Chairperson:

**Dr. P. Senthilkumar**  
Principal  
K.S.R College of Engineering

#### Convener:

**Dr. V. Revathi**  
Prof & Head/Civil  
K.S.R College of Engineering

#### Coordinator:

**Dr. S. Senthilkumar**  
Professor/Civil  
K.S.R College of Engineering

#### Organizer:

**Dr. N. Muralimohan**  
Assoc. Prof/Civil  
K.S.R College of Engineering

#### Helpdesk / Service Provider:

**Mr. S. Elango**  
Assistant Professor/Civil  
K.S.R College of Engineering  
+91 6382107892, [s.elango@ksrce.ac.in](mailto:s.elango@ksrce.ac.in)  
Communicate through Whatsapp

#### Target Audience:

Faculty members and research scholars belonging to AICTE approved technical Institutions; Universities & Industry persons can participate in the program.

#### Note:

Maximum number of participants is limited; preference will be given on first come first serve basis.

### OUR RESOURCE PERSONS



**Dr. P. Vijayalakshmi**  
Deputy Chief Scientist  
Tamil Nadu Pollution Control  
Board Chennai



**Dr. S. Kanmani**  
Associate Professor  
Department of Civil Engineering  
KPRIET, Coimbatore



**Dr. G. Venkatesan**  
Assistant Professor (Sr. Gr) / Civil  
University College of Engineering  
(BIT campus) Anna University,  
Tiruchirappalli



**Dr. Hema Sudhakar**  
Associate Professor  
Department of Civil Engineering  
Sri Ramakrishna Engineering  
College Coimbatore



**Dr. Vihangraj V. Kulkarni**  
Assistant Professor  
Department of Civil Engineering  
NIT- Silchar



**Dr. P. Arulmathi**  
Assistant Professor  
Department of Civil Engineering  
University College of Engineering  
Dindigul



**Dr. Abhilash T. Nair**  
Assistant Professor  
Environmental Engineering  
NIIFT-Hatia-Ranchi



**Dr. K. Prasanna**  
Assistant Professor / Civil  
College of Engineering &  
Technology  
SRM Institute of Science and  
Technology, Kattankulathur



**Dr. G. Shyamala,**  
Professor  
Department of Civil Engineering  
S R University, Telangana.



**Dr. Mothe Gopi Kiran**  
Associate Professor / Civil  
Lingayas Institute of Management  
and Technology, Vijayawada.



**Dr. L. K. Rex**  
Consultant, Civil - Structural -  
Environmental Engineering  
M/s. Associated Minds &  
Technologies, Pondicherry.



**Dr. S. Senthilkumar**  
Professor  
Department of Civil Engineering  
K. S. R. College of Engineering  
Tiruchengode



Civil Department

#### Rules and Regulations:

75% Attendance is mandatory for all participants and it will be monitored by the system automatically.

Participants have to submit day to day feedback at the end of the session. Feedback link will be provided daily basis.

Participants have to secure minimum 60% score in quiz at the end of STTP.

E- Certificates will be awarded to the participants after successful completion of the STTP.

#### Mode of Delivery:

Google Meet

- Meeting link will be sent to your registered e-Mail.

#### Registration link:

<https://forms.gle/D5u9q3W6a5cKa6MY9>

#### Scan QR Code for Registration:



#### Last Date for Registration:

18.09.2021

#### Important Contacts:

**Dr. S. Senthilkumar**  
+91 9788624207

**Dr. N. Muralimohan**  
+91 8754666728

**Mr. S. Elango**  
+91 6382107892

Welcome; may, all who came as guest leave as friends!



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# SCREEN SHOT DURING TECHNICAL SESSIONS

is presenting

### How accessible water is made unusable ?

The diagram shows a flow from 'Biomass burning / Waste burning' and 'Air pollution and Leaching into Ground water' leading to 'Ground water Contamination'. A yellow arrow points from the first two boxes to the third.

Dr. P. Anulmathi

Participants: Babu N., Deepa, Dr. Geet., Dr. Sent., Ganga V, Ganga V, Gowri S., Hemav., Jayashr., Kannad., kavidha., ksaras., MaaZ Al., Madhav., Madhur., Monali., Murali., Pranesh., Praveen., raj kohila., RAMES., Rathnav., S. Mohan., S. Elang., Sakthiv., Saumya., Selvaku., Subram., Sumant., Sureshb., Thiru M., Vijay De., VIJAYA.

KSRCE-CIVIL-ST... Turn on captions Information You just plugged a device into the audio jack.

KSRCE-CIVIL-STTP-SWM-PHAS... X

People (35) Chat

Madhuraa

Monali Kalekar

Murali Mohan

Pranesh Chinnasamy

Praveen Kumar R

raj kohila

RAMESH KUMAR S

Rathnavel Ponnuswami

S. Mohan

S. Elango Civil

gk m is presenting

Table. FFF design matrix showing different combination levels of the heavy metals in the study using the An-RBC for metal removal: 2\*

Exp	Co	Cd	Ni	Pb	Zn
1	60	175	40	70	50
2	70	175	50	70	40
3	70	100	50	70	70
4	70	100	40	70	50
5	70	175	40	50	70
6	70	175	50	40	70
7	60	100	40	50	70
8	60	100	50	40	70
9	60	175	40	70	50
10	60	175	50	70	40
11	60	100	40	70	70
12	60	100	50	70	40
13	60	175	40	50	70
14	60	175	50	40	70
15	60	100	40	50	70
16	60	100	50	40	70
17	70	175	40	70	50
18	70	175	50	70	40
19	70	100	40	70	70
20	70	100	50	70	40

(\*) Heavy metal levels of some metals, the COD, sulfate removal and sulfate generation from reactor using the An-RBC reactor.

gk m

Participants: Alame., Deepa., DHAR., Dorai., Dr. Ge., Dr. Sc., Dr. Ud., ELAN., Gang., Gang., Gowri., jayash., Kalee., kanag., Kanna., kavid., KRITH., MaaZ., Madh., Monal., Murali., MURU., Prave., Rajko., Rathn., S. Moh., s.roop., Saum., Selva., Shash., sivam., Subra., Sudha., Sudha., Thiru., Vijay., VIJAY., viswa.

KSRCE-CIVIL-ST... Turn on captions gk m is presenting

KSRCE-CIVIL-STTP-SWM-PHAS... X

People (41) Chat

Let everyone send messages

Murali Mohan 3:05 PM  
What is the source of Biomass?

Dr. Senthikumar shanmugamoorthy 3:07 PM  
Sir, you told that Sludges collected from upflow aerobic reactor is better. What may be the reasons?

Murali Mohan 3:18 PM  
Can you name the sulphate resisting bacteria?

Murali Mohan 3:22 PM  
What will be the total maximum volume of your reactor? As you said it is only 3L. Can we go for higher number?

Dr. Senthikumar shanmugamoorthy 3:25 PM  
Sir, how to optimise the hydraulic retention time, in general?

Send a message to everyone

meet.google.com/odi-itsc-agg?authuser=0

### Treatment-Thickening Pond

Shyamala Murithy

Participants: ARAJGADU., Archana Sa., Dr. Dayanan., Dr. Senthik., Dr. Arun Ku., Gourav Yad., Guruswamy J., Kalai Nivi., kahngaraj D., Kannadasa., Manikandan., mathi yazha., Murali Mohan., NAVELN KU., neelha k., Padadalam., poorakundra., Rajkohila A., Ramesh Pa., ROSE MATH., SATHYAMO., SHANMUGA., Shanmugav., Shivani Yad., Shyamala M., TAMILARAS., Thomas EU., Venkata Kri., Venugopal., Vijay Deshm.

KSRCE-CIVIL-STTP-SWM Turn on captions Present now

KSRCE-CIVIL-STTP-SWM X

People (32) Chat (5)

A Very Good Morning to all. From : Mr. Vijay Ramraoji Deshmukh

Vijay Deshmukh 10:56 AM  
A Very Good Morning to all. From : Mr. Vijay Ramraoji Deshmukh

Murali Mohan 11:02 AM  
Dear participants you can post your queries in chat box.

You 11:10 AM  
what will happen if we are not cleaning the septic tank for long time. in such condition whether, we have to go for any special treatment

Dr. Senthikumar shanmugamoorthy 11:11 AM  
WHAT IS THE DIFFERENCE BETWEEN A SEPTIC SYSTEM AND A SEWER SYSTEM?

Send a message to everyone



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**DEPARTMENT OF CIVIL ENGINEERING**

AICTE sponsored STTP on "A Beeline For Circular Economy through Sustainable Waste Management"

**SCHEDULE OF PHASE - II (20.09.2021 to 25.09.2021)**

S.No	Name of the participant	Designation, Department and Organization Name	Score
1	S.MOHAN	Assistant Professor, Department of Civil Engineering, Mahendra Engineering College	65 / 100
2	D KANAGARAJ	Assistant Professor, Civil Engineering, KSR College of Engineering	68 / 100
3	Sudhananthi.R	ME, Environmental Engineering, Erode Sengunthar Engineering College.	70 / 100
4	A. Arjunan	Assistant professor civil department	74 / 100
5	SUBHADIP SARKAR	Lecturer, Civil Engineering, ABS academy of polytechnic	72 / 100
6	GUNASEKAR S	ASSISTANT PROFESSOR, CIVIL ENGINEERING, K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE	88 / 100
7	Shiam Babu R	M.Tech - Environmental Engineering, Department of Civil Engineering, SRM Institute of Science and Technology	84 / 100
8	Senthilkumar Ganapathy	Associate professor, Civil Engineering, Annamalai University	76 / 100
9	Mehul Jha	Civil Engineering	80 / 100
10	SARANYA K	ASSISTANT PROFESSOR	80 / 100
11	Mr. D. SAKTHIVEL	ASSISTANT PROFESSOR, CIVIL ENGINEERING, VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY, ERODE	92 / 100
12	KARTHICK RAJAN J	Assistant Professor, Civil Engineering and Vinayaka Mission's Kirupananda Variyar Engineering College, Salem	88 / 100
13	RAMESH KUMAR S	ASSISTANT PROFESSOR, CIVIL ENGINEERING, VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY	78 / 100
14	Chandran S	BE final year Civil engineering KSRCE	86 / 100
15	Dr. K. Akil	Professor and HoD of Civil Engineering, Hindusthan College of Engineering and Technology	92 / 100
16	T. BALAMURUGESAN	ASSISTANT PROFESSOR, CIVIL, KARPAGAM ACADEMY OF HIGHER EDUCATION	76 / 100
17	Balasubramaniam N	Assistant Professor	80 / 100
18	C CHINNARAJ	ASSISTANT PROFESSOR	88 / 100
19	Dr.P.Muthupriya	Dr.N.G.P.Institute of Technology	76 / 100
20	KARTHICK RAJAN J	Assistant Professor, Department of Civil Engineering, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem	86 / 100
21	SARAVANAKUMAR V	ASSISTANT PROFESSOR	80 / 100
22	VENKATARAMANAN.V	B.E - Final year, CIVIL ENGINEERING, K.S.R. COLLEGE OF ENGINEERING.	76 / 100
23	KARTHIKEYAN A	Research Scholar	80 / 100
24	SUDHAKAR D	Assistant Professor, Department of Civil Engineering, JANSONS INSTITUTE OF TECHNOLOGY	80 / 100
25	VEERANKI SURYA TEJA	ASSISTANT PROFESSOR	86 / 100
26	NAVEENKUMAR.S	B.E Final year, Civil Engineering, KSR College of Engineering.	76 / 100
27	Y.p.venkataramanaiah	Panchayathi raj department, o/o deputy executive engineer, vigilance & quality control (P.R), sub division-1, kadapa	72 / 100
28	SHANMUGAVADIVU V	Assistant professor, Department of Civil Engineering, Mahendra Engineering College	92 / 100
29	Pavithran Parameshwaran	BSc Engineering - Undergraduate, University of Jaffna	88 / 100
30	A. K. M. THONDUL	Ph.D Research Fellow, Department of Civil Engineering, Chittagong University of	88 /

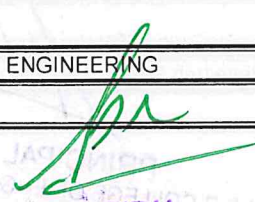


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 Namakkal Dist., Tamilnadu



	ALAM	Engineering and Technology (CUET)	100
31	K VALLARASU	II - M E ENVIRONMENTAL ENGINEERING	84 / 100
32	Dr GOPALAN A	Professor, Department of Civil Engineering, Erode Sengunthar Engineering College	76 / 100
33	FATHIMA DARRAS GRACY	ASSISTANT PROFESSOR	84 / 100
34	S.Joy Madhumitha	M.E.Environmental Engineering and Erode Sengunthar Engineering College	72 / 100
35	ABDUL RAHIM J	MASTER OF ENGINEERING,ENVIRONMENTAL ENGINEERING,ERODE SENGUNTHAR ENGINEERING COLLEGE.	76 / 100
36	MOHAMED JAVITH	PG SCHOLAR, M.E ENVIRONMENTAL ENGINEERING, ERODE SENGUNTHAR ENGINEERING COLLEGE	68 / 100
37	SURESH B	Assistant Professor, Civil, K.S.R College of Engineering	88 / 100
38	Dr.A. Karthik	Assistant Professor, Department of Civil Engineering, Kamaraj College of Engineering and Technology	80 / 100
39	DHIVAKAR.P	B.E-CIVIL ENGINEERING-KSR COLLEGE OF ENGINEERING	78 / 100
40	Vithurshika Jeyakumar	BSc Engineering- Undergraduate, Civil Engineering Department, University of Jaffna	80 / 100
41	VetriVel.B	BE - Final year, CIVIL ENGINEERING, K.S.R. college of engineering	64 / 100
42	Er. DEEPAK TIWARI	ENGINEER, ET & T, SSIPMT, RAIPUR	80 / 100
43	KESAVAKUMAR.P	STUDENT FINAL YEAR , B.E CIVIL ENGINEERING , K.S.R COLLEGE OF ENGINEERING	80 / 100
44	AMIR MD	QC Engineer (Civil Tech Consultancy	76 / 100
45	SUGANTHI M	AP/CIVIL & MAHENDRA ENGINEERING COLLEGE	84 / 100
46	Anguraj	AP Civil	28 / 100
47	Er. VAISHALI SAHU	ENGINEER	80 / 100
48	C. Lathiga	Assistant Professor, Civil Department, Sri Ranganathar Institute of Engineering and Technology	84 / 100
49	KRISHNASAMY R	Assistant Professor, Civil Engineering, Erode Sengunthar Engineering College Perundurai	88 / 100
50	Abhilsh Nadakuditi	Assistant Professor, Civi Engineering, Andhra Loyola Institute of Engineering ering and Technology echnology	66 / 100
51	RAVIVARMA SV	B. E. Civil	68 / 100
52	R MUGESHKANNA	B E. FINAL YEAR, CIVIL ENGINEERING, K. S. R COL	68 / 100
53	BOSE . M	BE CIVIL	64 / 100
54	T Gowthamraaj	B.E - Final year,Civil Engineering, KSR college of engineering	72 / 100
55	D.VELUMANI	Assistant Professor	80 / 100
56	R.srinivasan	B.E-Final year,Civil Engineering,KSR college of engineering	76 / 100
57	Abhilash Nadakuditi	Assistant Professor	56 / 100
58	Devi M	Assistant professor & Mahendra Engineering College	92 / 100
59	DHIVAKAR KARTHICK M	Assistant Professor, Department of Civil Engineering, Erode Sengunthar Engineering College [Autonomous]	70 / 100
60	ARUN PRASAD J	Assistant Professor,Civil Engineering,Erode Sengunthar Engineering College (Autonomous),Perundurai	80 / 100
61	Dr. P. SUDHA	Professor	74 / 100
62	DINESHKUMAR S	KSR COLLEGE OF ENGINEERING	72 /



  
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			100
63	NALLASAMY P	Assistant Professor,Civil Engineering, Builders Engineering College	72 / 100
64	NANDHINI.U	AP/CIVIL, Sri Ranganathar Institute of Engineering and Technology	76 / 100
65	ARAVINDH. M	B. E - Final year, CIVIL ENGINEERING, K.S.R COLLEGE OF ENGINEERING	72 / 100
66	K.VIJAYA SUNDRAVEL	ASSISTANT PROFESSOR, CIVIL ENGINEERING and K.S.RANGASAMY COLLEGE OF TECHNOLOGY	70 / 100
67	Suresh Kumar Chagantipati	Andhra Loyola Institute Of Engineering and Technology	66 / 100
68	KIRUBAKARAN T	B.E FINAL YEAR, CIVIL ENGINEERING KSR COLLEGE OF ENGINEERING	64 / 100
69	Dr. N. Ramesh	Professor and Head, Department of Civil Engineering, K.S.Rangasamy College of Technology, Tiruchengode	40 / 100
70	S. BRINTHA	Assistant Professor	84 / 100
71	Mr.T.Vijayashankar	Assistant Professir, Department of Civil Engineering, K.S.R.COLLEGE OF ENGINEERING	72 / 100
72	PARTHIBAN P	Assistant Professor, Department of Civil Engineering, Jyothi Engineering College, Thrissur, Kerala	82 / 100
73	BALAJI M	Assistant Professor, Civil Department, Erode Sengunthar Engineering College	82 / 100
74	Subahar Mohan	Assistant Professor	76 / 100
75	SABARINATHAN N	SRM University	88 / 100
76	SATHISH KUMAR M	B.E CIVIL-FINAL YEAR, CIVIL ENGINEERING, K.S.R COLLEGE OF ENGINEERING	76 / 100
77	Dr.P.CHAKKARAVARTHY	Assistant professor Department of chemistry Government THIRUMAGAL MILLS COLLEGE GUDIYATHAM	70 / 100
78	Dr P CHAKKARAVARTHY	Assistant professor department of chemistry and Government Thirumagal mills College gudiyattam	76 / 100
79	Dr.S.ARULMOZHI	ASSOCIATE PROFESSOR, CIVIL ENGINEERING, ERODE SENGUNTHAR ENGINEERING COLLEGE, PERUNDURAI	88 / 100
80	Kaviyarasan Angamuthu	BE. Civil Engineering	80 / 100
81	ARCHANA GANDHI S	M.E	84 / 100
82	ANUPRIYANKA B	STUDENT,M.E ENVIRONMENTAL ENGINEERING, ERODE SENGUNTHAR ENGINEERING COLLEGE ,ERODE	82 / 100
83	Dr.T.SUBRAMANI	Professor, Department of Civil Engineering, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem	74 / 100
84	Kiruthiga K	Assistant Professor, Civil Engineering, Bharath institute of higher education and research	88 / 100
85	V. sasikumar	Student /civil engineering	80 / 100
86	PRATHAP M G	RESEARCH SCHOLAR, CIVIL ENGG, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY KATTANKULATHUR CAMPUS	88 / 100
87	R.CHITRA	Assistant Professor ,Bharath Insitute of Higher Education & Research	84 / 100
88	ARUNYA A	Assistant Professor, Bharath Institute of Higher Education & Research	88 / 100
89	Dr.Sudarsan J S	Assistant Professor, School Of Construction Management, NICMAR, Pune	72 / 100
90	RINU ISAH R J	Bharath Institute of Higher Education and Research	88 / 100
91	JAVEED B	B.TECH CHEMICAL ENGINEERING	62 / 100
92	N.LOKESH	B.TECH-CHEMICAL ENGINEERING	84 / 100
93	Dr.T.Phani Madhavi	Professor, Department of Civil Engineering, Bapatla Engineering College	64 / 100
94	L Naveenkumar	Student, BE,Civil	82 /



  
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**Namakkal Dist., Tamilnadu**

			100
95	Dr. Venkata Krishnaiah R	Bharath Institute of Higher Education and Research	88 / 100
96	S SOUTHAMIRAJAN	Assistant Professor	70 / 100

<b>Dr S Senthilkumar</b> <b>Prof / Civil, KSRCE</b> <b>Coordinator of STTP</b> <b>Member Secretary of PEC</b>	<b>Dr N Muralimohan</b> <b>ASP / Civil, KSRCE</b> <b>Subject Expert</b> <b>Member of PEC</b>	<b>Dr. V. Revathi</b> <b>Prof and Head / Civil</b> <b>KSRCE</b> <b>Member of PEC</b>	
<b>Prof. R. Veerasamy</b> <b>Prof and Head / Chemistry</b> <b>KSRCE</b> <b>Member of PEC</b>		<b>Dr. P. Senthilkumar</b> <b>Principal</b> <b>KSRCE</b> <b>Chairperson of PEC</b>	
<b>Programme Evaluation Committee</b>			



*pr*

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

DEPARTMENT OF CIVIL ENGINEERING

AICTE sponsored STTP on "A Beeline For Circular Economy through Sustainable Waste Management"

SCHEDULE OF PHASE - I (26.04.2021 to 01.05.2021)

Sample Copy of the Certificate



## 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 Dt. Tamil Nadu.



### CERTIFICATE OF COMPLETION

This is to certify that

**Dr. S. Senthilkumar**

Professor, Department of Civil Engineering, K. S. R. College of Engineering: Tiruchengode

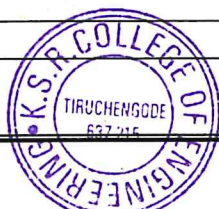
has participated in an AICTE sponsored online STTP program (Phase - II) on "A Beeline for Circular Economy through Sustainable Waste Management" organized by Department of Civil Engineering, K. S. R. College of Engineering - Tiruchengode during September 20- 25, 2021.

**Dr. S. SENTHILKUMAR**  
PROFESSOR (CIVIL), COORDINATOR

**Dr.V. REVATHI**  
PROFESSOR & HEAD ( CIVIL)

**Dr. P. SENTHILKUMAR**  
PRINCIPAL

<b>Dr S Senthilkumar</b> Prof / Civil, KSRCE Coordinator of STTP Member Secretary of PEC	<b>Dr N Muralimohan</b> ASP / Civil, KSRCE Subject Expert Member of PEC	<b>Dr. V. Revathi</b> Prof and Head / Civil KSRCE Member of PEC
<b>Prof. R. Veerasamy</b> Prof and Head / Chemistry KSRCE Member of PEC	<b>Dr. P. Senthilkumar</b> Principal KSRCE Chairperson of PEC	
<b>Programme Evaluation Committee</b>		 PRINCIPAL K.S.R. COLLEGE OF ENGINEERING K.S.R. KALVI NAGAR, TIRUCHENGODE-637 215



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**(Autonomous)**

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

ORGANIZED BY

DEPARTMENT OF CIVIL ENGINEERING

NATIONAL CONFERENCE

Academic Year: 2021– 2022

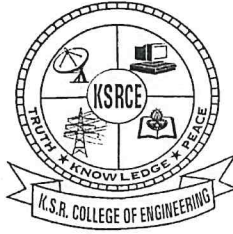
TITLE

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

DATE: 10.06.2022



  
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(Autonomous)**

### Event Schedule

1	<b>Name of the Event (Seminar/Workshop/Conference/FDP/Any other)</b>	National Conference
2	<b>Name of the Department</b>	Civil Engineering
3	<b>Date of the Event</b>	10.06.2022
4	<b>Venue</b>	Google Meet
5	<b>Title of the Event</b>	Ninth 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. P.Prasanthni, Asst. Prof Mr. S.Saravanaganesh, Asst.Prof
7	<b>Total Participants</b>	60
8	<b>Objectives of the Event</b>	The 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.

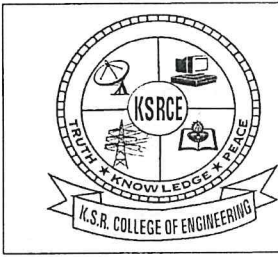
  
**CO-ORDINATOR**



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

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

**Date: 10.06.2022**

**EVENT REPORT**

Ninth 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 10, 2022.

The NCTSDCE-2022'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-22, welcomed the gathering in her welcoming speech. Thiru. R. Srinivasan, vice 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. P. Velumani, Associate professor, Department of Civil Engineering, BMS Institute of Technology and Management, Bangalore. The National Conference received 42 research papers out of which 29 papers were selected for presentation. The NCTSDCE-22 organising secretary, Dr. P. Prashanthini, delivered the vote of thanks.

  
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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## 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**

**10<sup>th</sup> JUNE 2022**

Organised by



**Department of Civil Engineering**

**K.S.R College of Engineering**

(Autonomous)

K.S.R Kalvi Nagar, Tiruchengode

Namakkal - 637215

Tamilnadu

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## 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](mailto: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.gv/kdfkwj>

## For Queries :

Dr.P.Prasanthni : 7373033313

Mr.S.Saravanaganesh: 9894723953

## REGISTRATION FEE

Students :Rs.800/-  
Academicians/ :Rs.1200/-  
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: **25.05.2022**  
Intimation of acceptance : **27.05.2022**  
Last date for registration : **28.05.2022**

## CONTACT ADDRESS

**Dr.V.Revathi,**  
Professor and Head  
Department of Civil Engineering  
K.S.R College of Engineering, Tiruchengode  
Ph:9865442862  
Email: [nctsdce22@gmail.com](mailto:nctsdce22@gmail.com)  
Website: [www.ksrce.ac.in](http://www.ksrce.ac.in)

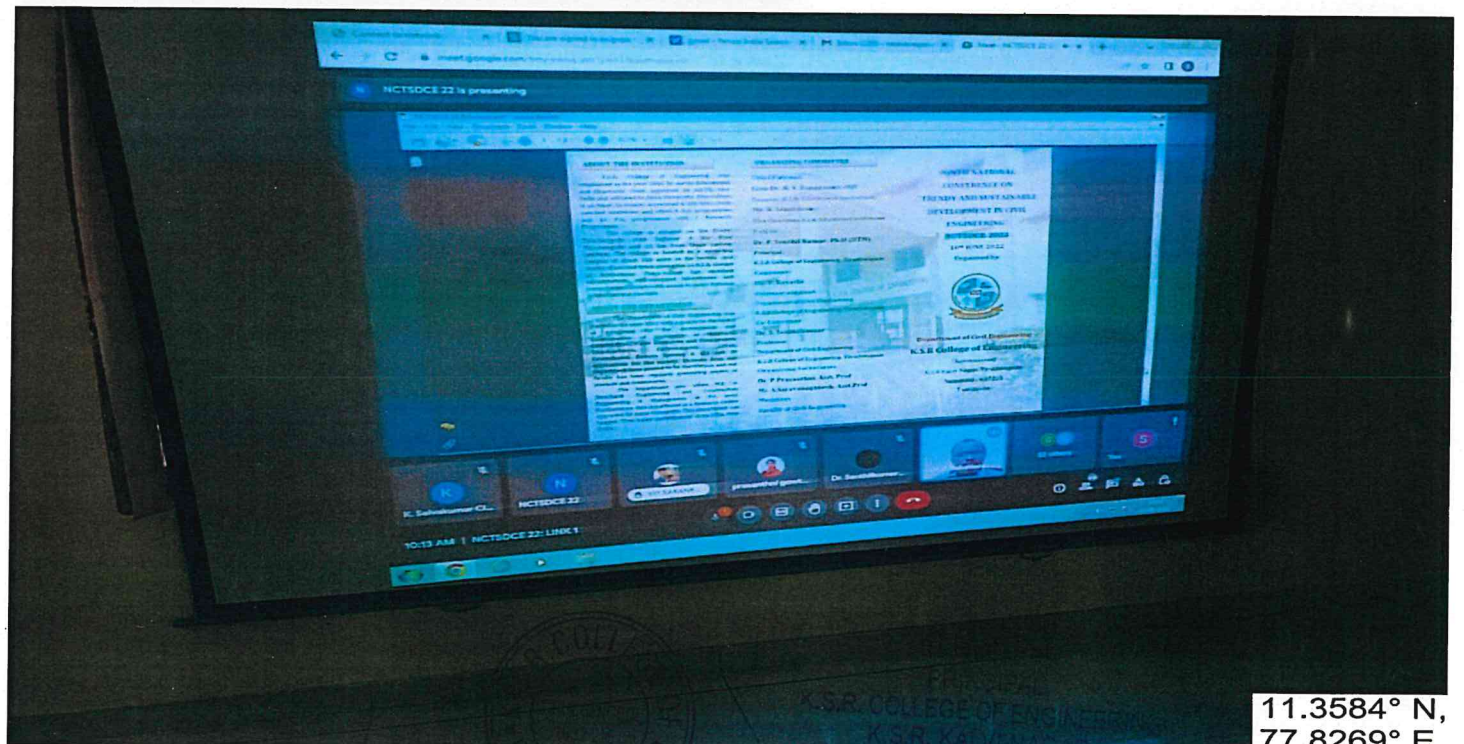
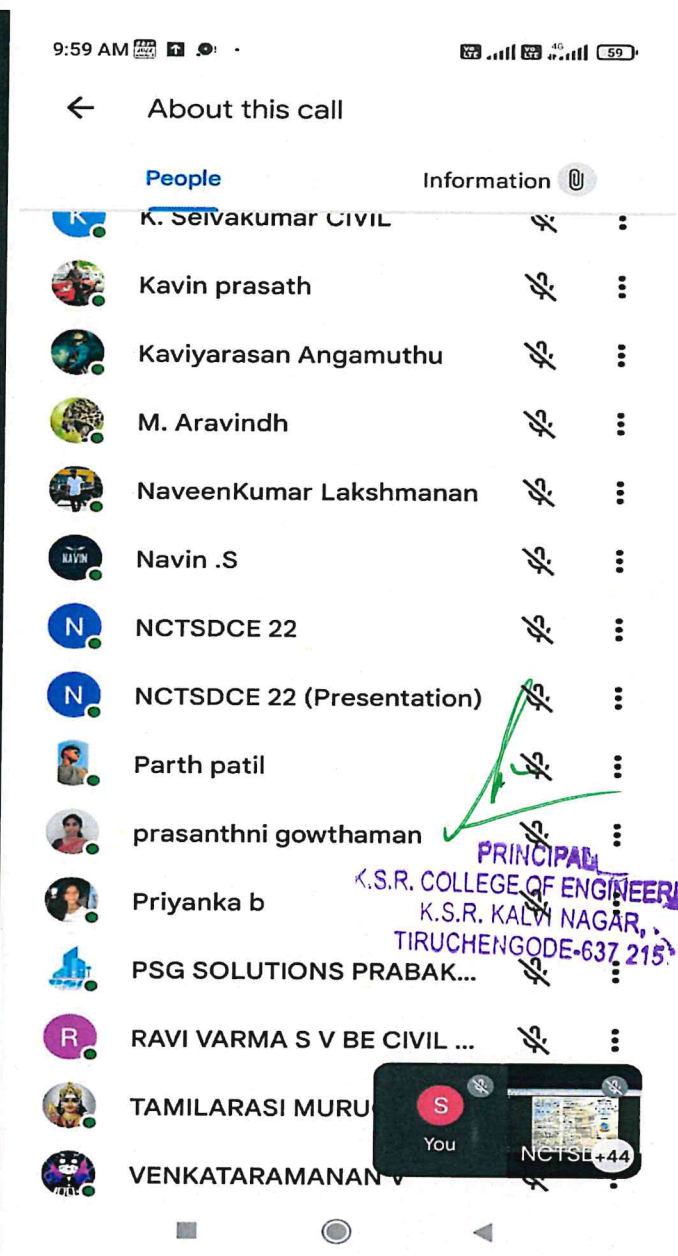
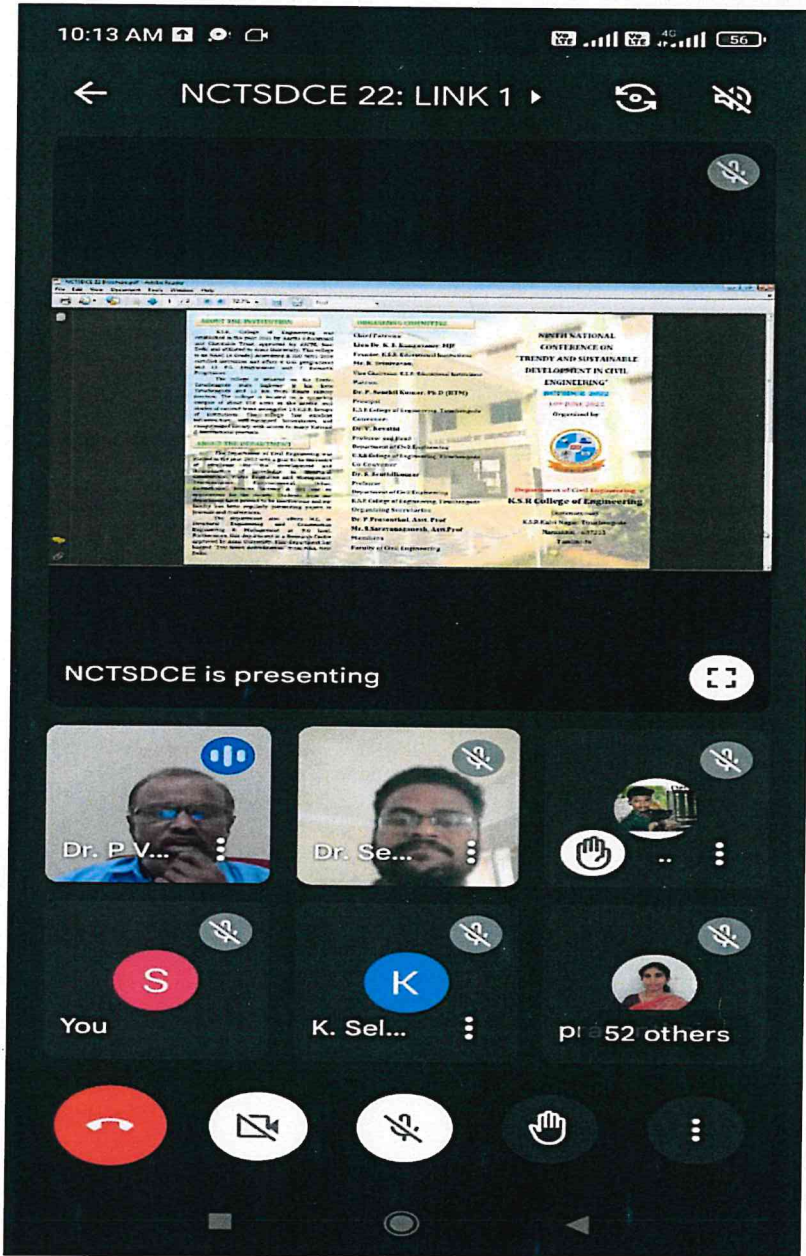


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# National Conference on "Trendy and Sustainable Development in Civil Engineering"

Date: 10.06.2022

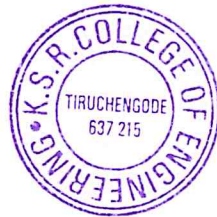


11.3584° N,  
77.8269° E

TIRUCHENGODE-637 215



Timestamp	Statu Name:	Designation:	Institution:	Email ID:	Category of Registration
2022/05/12 5 Mr.	Bhor Amol Sunil	Assistant Professor	Samarth College Of Engineering Belhe	amolbhor01@gmail.com	Academic / Post Doctorates
2022/05/12 6 Mr.	A. K. M. THOHIDUL ALAM KHAN	Ph.D Research Fellow	Chittagong University of Engineering and Technology (CUE	thohidul.ce@gmail.com	Research Scholars / P.G. Students
2022/05/12 6 Mr.	Ramu Kasagani	Asst Professor	Ramachandra college of Engineering	ramukasagani0115@rcee.ac.in	Academic / Post Doctorates
2022/05/12 7 Ms.	B. Brindha	B. E Civil engineering-final year	University College of engineering. Ariyalur	brindha4575@gmail.com	Others
2022/05/12 7 Ms.	Thilagavathi	BE (Civil engineering final year)2018-202	University College of engineering Ariyalur	dthilagavathi01@gmail.com	U.G Students
2022/05/12 7 Ms.	Ranjitha R	BE civil (2018-2022)batch	University college of engineering ,Ariyalur .	ramamoorthyranjitha15@gmail.com	U.G Students
2022/05/13 1 Ms.	Jayashree. S, Nandhini. R, Rahini	Student (Final year)	Kings College of Engineering	Nandhiniravisk01@gmail.com	U.G Students
2022/05/13 7 Ms.	S. JAYA LAKSHMI	IV YEAR, B. E CIVIL ENGINEERING	KINGS COLLEGE OF ENGINEERING	jayalakshmi18092001@gmail.com	U.G Students
2022/05/13 7 Ms.	R.PADMA REKA	B.E.CIVIL ENGINEERING	KING'S COLLEGE OF ENGINEERING,PUNALKULAM	padma613403@gmail.com	U.G Students
2022/05/13 7 Ms.	C. Pavithra	B.E civil engineering	Kings College of engineering	arthi4864@gmail.com	U.G Students
2022/05/13 8 Ms.	N.Sarmila	IV year civil	Kings College Of Engineering	sarmilasarmila1021@gmail.com	U.G Students
2022/05/16 1 Ms.	K.Roosika	Final year	Kings college of engineering	rusykannan@gmail.com	U.G Students
2022/05/16 1 Ms.	B.priyanka	BE.civil engineering	Kings College of engineering	priyankab243726@gmail.com	U.G Students
2022/05/18 1 Mr.	VIJAYARAJESH P	Student	ADHIYAMAAN COLLEGE OF ENGINEERING	vijayarajesh2003@gmail.com	U.G Students
2022/05/26 7 Mr.	Vigneshwaran k	M.e structural engineering final year	Ksr college of engineering	trvicky13@gmail.com	U.G Students
2022/05/26 1 Mr.	GIRINATH T	Student	KSR COLLEGE OF ENGINEERING	ktr.girinath@gmail.com	Research Scholars / P.G. Students
2022/05/28 6 Mr.	BALAMURUGAN K	PG Student	K. S. R College of Engineering	balamurugan.k317@gmail.com	Research Scholars / P.G. Students
2022/05/28 6 Mr.	Kalaiya Pandian A	Pg -student (ME-Structral Engineering)	KSR COLLEGE OF ENGINEERING	vicky.pandian56@gmail.com	Research Scholars / P.G. Students
2022/05/28 8 Mr.	ARAVINDH	STUDENT	KSR COLLEGE OF ENGINEERING	kasiaravindh@gmail.com	Research Scholars / P.G. Students
2022/05/28 1 Mr.	N Prabakar	Student	KSR COLLEGE OF ENGINEERING	prabakarchsm@gmail.com	Research Scholars / P.G. Students
2022/05/31 7 Mr.	RENUGARAJ R	STUDENT	K.S.RANGASAMY COLLEGE OF TECHNOLOGY	renugarajraj@gmail.com	Research Scholars / P.G. Students
2022/06/05 5 Mr.	Parth Patil/ Parth Pitale/ Yash	Student	Datta Meghe College of Engineering	yashm348@gmail.com / parthpitale40@gmail.com	U.G Students
2022/06/06 1 Ms.	Movalia/ Suyash Gage	Student	KSR college of engineering	brindhas0106@gmail.com	Research Scholars / P.G. Students



  
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**DEPARTMENT OF CIVIL ENGINEERING**

**NINTH National Level Conference**

**On**

**“Trendy and Sustainable Development in Civil Engineering”**

**10<sup>th</sup> June 2022**

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

**Chair Person: Dr S.Senthilkumar, Professor/Civil**

<b>S.NO</b>	<b>Paper ID</b>	<b>Title of the paper</b>	<b>Author</b>	<b>College Name</b>	<b>Timings</b>
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



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		and Ferruginous quartz stone powder	K.Vigneshwaran	Tiruchengode	
<p><b>Google Meet link:</b> <a href="https://meet.google.com/jdc-xnzo-gyd">meet.google.com/jdc-xnzo-gyd</a></p> <p><b>Chair Person:</b> Dr M.Guneseakaran, Associate Professor/Civil</p>					
1	NCTSDCE07	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	NCTSDCE08	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	NCTSDCE09	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	NCTSDCE10	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	NCTSDCE11	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	NCTSDCE12	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
<p><b>Google Meet link:</b> <a href="https://meet.google.com/nstj-cvvs-zey">meet.google.com/nstj-cvvs-zey</a></p> <p><b>Chair Person:</b> Dr A.Alex Rajesh, Assistant Professor/Civil</p>					
1	NCTSDCE24	Construction of specimen of GFRG (glass fiber reinforced gypsum) Panels as walls in 5Building Instead of Conventional Walls	Pranav Chavan Pratham Iad 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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**Namakkal Dist., Tamilnadu**

2	NCTSDCE19	A Review an Optimum Length of Railway Sleepers	Parth Patil, Parth Pitale, Suyash Gage, Yash Movalia, B. Manjula Devi	DattaMeghe College of Engineering, Sector-3, Airoli, Navi Mumbai-400708	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-ihpq-vcv](https://meet.google.com/rdx-ihpq-vcv)

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

1	NCTSDCE18	Experimental Investigation Under Flexural Loading On Behaviour of Ferrocement Channels	D.Jayakumar N.Jeyapremraj Dr.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 kumar P	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



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Namakkal Dist., Tamilnadu



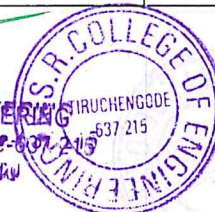
				Tiruchengode	
5	NCTSDCE23	Experimental study on geopolymer Concrete with different types of curing	Mr.A.Thomaseucharist Mr.T.VijayashankarP.Sant hosh Kumar K.Anandharaj P.Kesavakumar V.Revathi	K.S.R College of Engineering, Tiruchengode	10.40 am to 10.50 am
6	NCTSDCE17	Experimental Investigation for Urban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

**Google Meet link:** [meet.google.com/daf-exxj-kxj](https://meet.google.com/daf-exxj-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. Tamarasi M.Aravindh M.gokul K.muthuraja	K.S.R College of Engineering, Tiruchengode	10.50am to 11am

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<p><b>Google Meet link:</b> <a href="https://meet.google.com/qxr-ufhs-rqa">meet.google.com/qxr-ufhs-rqa</a>  <b>Chair Person:</b> FN – Dr P.Prasanthni, Assistant Professor/Civil</p>					
1	NCTSDCE05	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	NCTSDCE31	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	NCTSDCE32	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	NCTSDCE06	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



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# K.S.R.COLLEGE OF ENGINEERING

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

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## DEPARTMENT OF CIVIL ENGINEERING

### NINTH NATIONAL CONFERENCE ON

### “TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING”

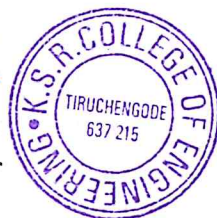
NCTSDCE - 2022

## 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.

*Bom*

Coordinator



*Revathi*

Convener & HoD / Civil

*[Signature]*

PRINCIPAL

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

*[Signature]*

Principal