

## 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 "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.

## 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

Sixth National Conference On  
"Trendy and Sustainable Development  
in Civil Engineering"

**NCTSDCE - 18**

**09<sup>th</sup> April 2018**

## REGISTRATION FORM

Name.....

Designation.....

Institution.....

Address.....

.....

.....

Contact No.....

Email-ID.....

D.D.No .....Date .....

Amount.....

Accommodation required: Yes / No

Date: \_\_\_\_\_ Signature \_\_\_\_\_

Photo copy of the registration form will also be accepted.

## IMPORTANT DATES TO REMEMBER

Submission of full length paper : 24.03.2018  
Intimation of acceptance : 28.03.2018  
Last date for registration : 03.04.2018

## GUIDELINES TO AUTHORS

1. The authors are requested to submit the full paper in MS Word not exceeding 6 pages to the E-mail: [nctsdce18@gmail.com](mailto:nctsdce18@gmail.com)
2. Format: A4 size, Font: Times New Roman 10 pts, Margins: Top & Bottom - 12 mm, Left & Right -15 mm with single line spacing.
3. 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).
4. The paper must be original and unpublished.

## REGISTRATION FEE

Students - Rs.1000/-  
Academicians/Research Scholars - Rs.1200/-

Registration fee is to be paid through DD drawn in favor of 'The Principal, K.S.R.College of Engineering', payable at Tiruchengode.

**Hardbound proceedings will be given to the registered candidates.**

## NOTE:

- The selected papers will be published in
1. Journal of Progress in Civil Engineering – ISSN: 2322 - 0856 /
  2. Journal of Environmental Nanotechnology ISSN (Online):2319-5541

## 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.,**  
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**Dr.P. Senthil Kumar, Ph.D**  
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## Convener

**Dr.V.Revathi**  
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## Coordinators

**Dr. S. Senthilkumar, Prof**  
**Dr.D.Ramesh kumar , Asst.Prof**  
**Mr.M.Logesh Kumar , Asst.Prof**

## Joint Coordinator

**Mr.S.Yuvaraj**

## Members

**Faculty of Civil Engineering**

## ADDRESS FOR COMMUNICATION

Dr.V.Revathi, CONVENER  
NCTSDCE - 18  
K.S.R. College of Engineering,  
K.S.R. Kalvi Nagar,  
Tiruchengode– 637215,  
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Mr.M.Logesh Kumar: 9994753635  
Mr.S.Yuvaraj: 9715237127

## Sixth National Conference On “Trendy and Sustainable Development in Civil Engineering”

NCTSDCE - 18

09<sup>th</sup> April 2018

CONVENER

Dr.V.Revathi

COORDINATORS

Dr.S.Senthilkumar  
Dr.D.Ramesh kumar  
Mr.M.Logesh Kumar

JOINT COORDINATOR

Mr.S.Yuvaraj



*Organized by*

Department of Civil Engineering  
K.S.R.COLLEGE OF ENGINEERING  
(Autonomous)

K.S.R. Kalvi Nagar,  
Tiruchengode– 637215,  
Namakkal Dist, Tamilnadu.

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# **K.S.R. COLLEGE OF ENGINEERING**

(AN AUTONOMOUS INSTITUTION)

Accredited by NAAC with 'A' grade and ISO certified institution  
Approved by AICTE New Delhi & Affiliated to Anna University

**KSR KALVI NAGAR, TIRUCHENGODE, NAMAKKAL, TAMILNADU.**

## **DEPARTMENT OF CIVIL ENGINEERING**

*We cordially invite you all for the inauguration of*

**Sixth National Conference on**

**"TRENDY AND SUSTAINABLE  
DEVELOPMENT IN CIVIL ENGINEERING"**

**(NCTSDCE '18)**

**9<sup>th</sup> April, 2018**

*Presided by*

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

**Shri. R. Srinivasan**  
Secretary  
K. S. R Educational Institutions

*Chief guest and Inaugural address*

**Dr. G. RAMASAMY**  
Professor  
Builder's Engineering College

*Principal Address*  
**Dr. P. SENTHIL KUMAR**  
Principal  
K.S.R. College of Engineering

**Date**  
09.04.2018

**Venue**  
MCA Conference Hall

**Time**  
9.30 am

# AGENDA

- Invocation** : **Civil Engineering Students**
- Lighting Kuthuvilakku** : **Dignitaries**
- Welcome Address** : **Dr. V. Revathi,**  
**Prof. & Head of Civil Engineering**
- Principal Address** : **Dr. P. Senthil Kumar**  
**Principal**
- Presidential Address** : **Lion Dr. K.S. Rangasamy,**  
**Founder & Chairman**  
**K.S.R. Educational Institutions**
- Inaugural Address** : **Dr. G. Ramasamy**  
**& Guest Lecture** : **Professor**  
**Builder's Engineering College**
- Vote of Thanks** : **Dr. S. Senthil Kumar**  
**Professor**
- National Anthem** : **Civil Engineering Students**



**K.S.R.College of Engineering, Tiruchengode, 637 215.**  
**Sixth National Conference on**  
**'Trendy and Sustainable Development in Civil Engineering,**  
**9th April, 2018**  
**REGISTRATION LIST**

S.No	Student Name	College Name	Topics	Sign
1.	S. Antony Sujina, R. Selvaraj, B. Deepa	Kongu Engineering College	Electro Kinetic Evaluation Procedure For Steel Corrosion Concrete	<i>S. Antony Sujina</i> <i>Selvaraj</i> <i>Deepa</i>
2.	M. Pandieswari, R. Selvaraj , GVT Gopalakrishna	Pavai College of Technology	Study On Crystal Growing Chemical As Admixture For Pore-Filling In Cement Mortar	<i>U. Pandieswari</i>
3.	S. Nivetha, R. Selvaraj , R. Lakshmi	Kongu Engineering College	Polyvinyl Acetate Coatings For Prevention Of Corrosion In Concrete	<i>Nivetha</i>
4.	M.Sarathkumar, K.Sharmiladevi	Pavai College of Technology	Experimental Study On Strengthening Of RC Beam With SIFCON Laminates	<i>Sarath</i>
5.	G.A.Swathi , R.Selvaraj S.Vimala	Kongu Engineering College	Development of lotus leaf effect on concrete Surface by Superhydrophobic coating	<i>G. Swathi</i>
6.	V.Ranjithkumar, M.Reshma, S.Sakthivel, E.Saranraj, A. Alex rajesh	KSR COLLEGE OF ENGINEERING	Experimental Study On Strength And Durability Of Concrete With Partial Replacement Of Cement By Ceramic Waste Mixtures	<i>V. Ranjith</i>
7.	R.Sathiyamoorthy, K.Sindhuja, J.Soundharya, M.Vignesh, G.Dineshkumar	KSR COLLEGE OF ENGINEERING	Strengthening Of Reinforced Concrete Beam Using Basalt Geogrid	<i>Sathiyamoorthy</i>
8.	V.Mohanalakshmi, Dr.G.Dineshkumar	KSR COLLEGE OF ENGINEERING	Retrofitting Of Rc Beam-Column Joint Using Wrapping Technique	<i>V. Mohan</i>
9.	D.Baskar, G.Harish, T.Induja, M.R.Karthick, A.Alexrajesh	KSR COLLEGE OF ENGINEERING	Experimental Study On Partial Replacement Of Fine Aggregate With Scrap Rubber Tyre Waste From Tyre Re- Build Industries	<i>D. Baskar</i>
10	S.Elango, K.Dineshkumar, V.Gowtham, M.Gowthami, R.Hariharan	KSR COLLEGE OF ENGINEERING	An Empirical Research On Quartz Stone Powder And Waste Plastic In Flexible Pavement	<i>S. Elango</i>
11	G.Poovarasu,,K. Nivetha, A.MohammedAzar udeen, T.Saravanan, R.Babu	KSR COLLEGE OF ENGINEERING	A Study On Employee Retention In Construction Industries	<i>G. Poovarasu</i>
12	Adarsh.K,Afridkha n.A, Vivek.K, Sukumar.S	KSR COLLEGE OF ENGINEERING	Numerical Investigation On Stiffened Cold Formed Steel Channel Section	<i>Adarsh</i> <i>Vivek</i>
13	Sudharshan.N,	Kongu Engineering College	Experimental Investigation Of Laced Reinforced Concrete Beams Under Static Loading Blessy Grant CJ,	<i>Sudharshan</i>
14	S. Dineshkumar, R.Arjun, P.Arun, R.Indumathi, J. Arunkumar	KSR COLLEGE OF ENGINEERING	Utilization Of Waste Plastic Strips In Manufacturing Of Fly Ash Bricks	<i>P. Arun</i>
15	S.Abuthahir, M.M.Aravinth, S.Asvini, V.Dhivya, Dr.V.Revathi	KSR COLLEGE OF ENGINEERING	Experimental Studies On PPC Concrete Using Foundry Sand As A Partial Replacement For Fine Aggregate	<i>M.M. Ar</i>

16	S. Indhu, A.Thomas Eucharist, V.Revathi	KSR COLLEGE OF ENGINEERING	Experimental Studies On Heat Cured Bagasse Ash - GGBS Geopolymer Mortar	<i>Indhu.S.</i>
17	S.Sadburamprasa rith, A. Tharani, K.Thennozhi, U.Uhayaprakash, P.Henna V.Revathi	KSR COLLEGE OF ENGINEERING	Fly Ash Based Geopolymer Mortar Made With Sea Water	<i>Thennozhi</i>
18	Muralimohan N, Sudha P . Pavanthan M , Praveen S., Sasikumar V, Karthikeyan M	KSR COLLEGE OF ENGINEERING	Removal of Ammonia in Aquarium By Using Aquaponics	<i>S. Praveen</i>
19	R. Ragul P, Sathyamoorthy, C.Svathipriya, D.Tamilselvan, K Sargunan	KSR COLLEGE OF ENGINEERING	Behaviour of Cement Concrete Partially Replaced With Chicken Eggshell Powder	<i>R. Ragul</i>
20	N.Muralimohan, P.Sudha, L. Leo Sebastian, K.Karthik, N Kottai Raj,S. Raj Kumar	KSR COLLEGE OF ENGINEERING	A Preliminary Study of Pseudo Stem Juice And Powder As A Plant-Based Coagulant For Treatment Of Dye Industry Effluent	<i>K. Karthik</i>
21	C.Shankar, S.Thirtheebanisha R.Varun, P.Venkatesh, M.Gunasekaran	KSR COLLEGE OF ENGINEERING	Experimental Investigation On Fired Clay Brick As A Partial Replacement Of Rice Husk Ash In Clay	<i>P. Shankar</i>
22	K.Sargunan, M.Lavanya, K.Suresh Kumar, G.Sathya, T.Vijgnesh	KSR COLLEGE OF ENGINEERING	Durability Assessment On Concrete Impregnated With Egg Shell Powder In Raw And Incinerated Form Using Sorptivity And Rapid Chloride Permeability Test	<i>K. Suresh</i>
23	T. Senthikumar, S. Jamma, P. Kalasevi, K Jaganathan, G. Krishnan	KSR COLLEGE OF ENGINEERING	Concrete Using Rubber Waste And Steel Slag As Fine Aggregate For Sustainable Built Environment	<i>S. Jamma</i>
24	AshikElahi A, S. Senthikumar	KSR COLLEGE OF ENGINEERING	Innovative Technologies In Construction Industry	<i>AshikElahi</i>
25	Persi, Elizabeth P, Piruthika S, Manimegalai S, Joy Jaison Abrarham, Sudharsan N	KSR COLLEGE OF ENGINEERING	Manufacturing Of Fly Ash Brick By Utilizing Steel Slag And Marble Waste	<i>P. Elizabeth</i>
26	P.PadmaPoorni AshikElahi A, S.Senthikumar	KSR COLLEGE OF ENGINEERING	Concepts And Requirements For The Design of Smart Homes Using Building Automation System	<i>P. Padma</i>
27	M.Gunasekaran, M.LavanyaR Gaya thri	KSR COLLEGE OF ENGINEERING	An Experimental Study OnStabilisation Of Silt And Clayey Soil	<i>Gunasekaran</i>
28	R.Kishore, G.Mythili, V.Priyadharshini, T.Naveenkumar,M Logesh Kumar	KSR COLLEGE OF ENGINEERING	Experimental Investigation On Partial Replacement Of Fine Aggregate And Cement By Quarry Dust And Fly Ash In Concrete	<i>Mythili</i>
29	M.Shastika, A.Vijaykumar, S.Vannurai	KSR COLLEGE OF ENGINEERING	Properties Of Prewetted Rice Husk Ash Aggregate In Concrete	<i>M. Shastika</i>



	B.Sheikmohamed, R.Gopi			<i>Bpi</i>
30	R.Rishikanishkar, R.K.Sugashini, S.Sujai, B.Vinothini, R.Gopi	KSR COLLEGE OF ENGINEERING	Properties Of Prewetted Sugarcane Bagasse Ash Aggregate In Concrete	<i>S. Suj</i>
31	V.Narmatha, T.Priyanka, A.S.Mohanakumar , G.ManiRathinam	Kongu Engineering College	Recommendation Of Soil Properties By Using Various Soil Samples	<i>Narmatha</i>
32	Yuvaraj.S, DhayaanVignesh. K, Elavarasan.M, Bharathwaj.D, Baskar.M	KSR COLLEGE OF ENGINEERING	Risk Management In Construction Site	<i>K. Elavarasan</i>
33	Vijayashankar.T, Kalaivani.P, Mahes waran S.G, Praveen.T, Maindhan.B	KSR COLLEGE OF ENGINEERING	Experimental Investigation On Partial Replacement Of Fly Ash By Rice Husk Ash In Fly Ash Brick Manufacturing	<i>Praveen</i>
34	T.Vijayashankar, L.Kathiravan, P.Keerthivalavan, S.Murali, M.Sarathkumar	KSR COLLEGE OF ENGINEERING	Experimental Investigation On Partial Replacement Of Quarry Dust By Copper Slag In Fly ash brick Manufacturing	<i>Mbedi</i>
35	S.SenthilKumar, S.Venkateshwaran , V.Vijayadurga, C.Suruthi, P.Yokeshwaran	KSR COLLEGE OF ENGINEERING	Extraction Of Methane From Food Waste Using A Single Stage Digester: A Review	<i>Yokeshwaran</i>
36	Karthick C, Mahesh Kumar B, Nandha Kumar R, Praveen S, Karthick P, Revathi V	KSR COLLEGE OF ENGINEERING	Comparative Study On Self Compacting Geopolymer Concrete By Ambient and Steam Curing	<i>P. Karthick</i>
37	S.Senthil Kumar, D.Ramesh Kumar, M.Ragul, D.Saumiya, M.G.Solairaj, R.Settiannan	KSR COLLEGE OF ENGINEERING	Utilisation Of Steel Slag As Partial Replacement For Fine Aggregate	<i>D. Ramesh Kumar</i>
38	S.Senthil Kumar, D.Ramesh Kumar, L.Gokul, S.Gobinath, P.Kalaikumar, V.Janakumar	KSR COLLEGE OF ENGINEERING	Study On Mechanical Properties Of Steel Slag As A Fine Aggregate	<i>L. Gokul</i>
39	S.Saravanaganes h, S.Dhanush Kumar, S.DineshPalaniap pan, V.N.HarishRaagav , C.Jeeva	KSR COLLEGE OF ENGINEERING	Evaluating Performance Of Subcontractor In Construction Industry	<i>V.N. Harish Raagav</i>

40	Ranjani A , Sudharsan M , D.Santosh , P.Suresh, G.Dinesh Kumar	KSR COLLEGE OF ENGINEERING	Light Weight Pannel Using Natural Fibre	Santh.
41	S.Akila, C.Ajithkumar, S.Deepankumar, P.Jeeva, T.Senthilkumar	KSR COLLEGE OF ENGINEERING	Use of Plastic Waste As Partial Replacement Of Fine Aggregate In Concrete Mixture	Jeeva
42	P. Sudha, L.R.Rishika, C.B.Sachin, K.Santhoshkumar, S.K.Vishnuprasath	KSR COLLEGE OF ENGINEERING	Investigation On Silica Fume And Clay As A Partial replacement Of Cement In Concrete	G.B.Sachin
43	Muthukumar S, Muralimohan N, Vinothkumar. P	KSR COLLEGE OF ENGINEERING	Flexural Study On Characterization Of Steel Concrete Composite Structures	Vinothkumar
44	P. Hema, P. Sudha, N. Muralimohan	KSR COLLEGE OF ENGINEERING	Investigation On Strength Characteristics Of Cement Mortar As A Replacement And additive Of Cement By Bentonite And Clay	P.Hema
45	Gowrishankar.R, Akchaya B, Gandhimathi.P, Keerthana S.B, Karthika.R	KSR COLLEGE OF ENGINEERING	Analysis Of Fluoride Content In Ground Water And Impact Of Fluoride In Construction	Gowrishankar
46	A.Aravinth, M.Dhinesh, R.Haripriya, K.Kabilan, V.C.Prabha, V.Revathi	KSR COLLEGE OF ENGINEERING	Durability Study On High Calcium Flyash Geopolymer Concrete With Silica Fume	A.Aravinth
47	E.Dhanabalan, R.Jagan, S.Kalaiselvan, S.Bharathiraja, V.C.Prabha, V.Revathi	KSR COLLEGE OF ENGINEERING	Experimental Study On Mechanical Properties Of High Calcium Fly Ash Geopolymer Concrete With Additive	R.Jagan
48	R.Arunkumar, V.C.Prabha, V.Revathi	KSR COLLEGE OF ENGINEERING	Experimental Study On High Calcium Fly Ash Geopolymer Concrete With Dolomite Powder	R.Arunkumar
49	Priyajanani S, Sargunan K	KSR COLLEGE OF ENGINEERING	Performance Assessment Of Concrete Impreganted With Egg Shell Powder	Priyajanani
50	B.Selva Lakshmi, M.Suriya, S.Suriya, K.Vijayalakshmi, C.Mohanaselvan	Kongu Engineering College	Development Of Technology To Control The Odour Pollution In Paper Industry	M.Suriya
51	B.Shobana, S.Nandhini, K.Pavithra, R.Sruthi	Pavai College of Technology	An Analysis Of Contaminated In-House Water In Karur District And Treatment Process Using Calotropis Procera	K.Pavithra



52	D. Kanagaraj, S.Ramesh, M.Srinivayak, C. Rangeshkumar, V.Vijay	KSR COLLEGE OF ENGINEERING	Experimental Study On Fly Ash Aggregate In Concrete	S.P.Ramesh
53	Santhi T. Gopi R, Karthick P. Revathi V	KSR COLLEGE OF ENGINEERING	Strength Properties Of Self Compacting Geopolymer Concrete By Ambient Curing	Santhi.T
54	S. Monish, S. Mukhesh, K. Prabha, M. Senthil Kumar	KSR COLLEGE OF ENGINEERING	Labour Safety Management	Monish
55	A.Appas, B. Anchuka A.Anbarasu, S.Aravinth, G.Gokila	KSR COLLEGE OF ENGINEERING	Structural Property Analysis In Rc Beam Using Natural Fabric	APP
56	A. SagayaBastina, M.Renganathan	Kongu Engineering College	Flexural Behaviour of Concrete Beams With Glass Fiber Reinforced Polymer Rods	SagayaBastina
57	M.Perinbaselvan D. PrasannaPrabu , A.Naveenraj, V.Revathi	KSR COLLEGE OF ENGINEERING	Strength Improvement of Expansive Soils And Red Soil By Bituminous Admixtures	Perinbaselvan
58	Kowsalya.K ,Anuliakkiya.B,Dhe vayani.K,Hemalath a.UKartheeswaran .R	Kongu Engineering College	An Investigational Study Of Partial Replacement Of Coarse Aggregates By Construction And Demolition Waste In Paver Blocks	Kowsalya
59	C. Kalavani, N.Nandhini, A.Sathishkumar, R.Prathap, V.Revathi, M.Prabakar	KSR COLLEGE OF ENGINEERING	Experimental Investigation On Ferro Cement Panel Using Steel Fiber	Nandhini
60	Gunasekar.K, Alex Pandian, A. K, MathanPrakash.J, Manickaraj, S, Gowrishankar.R	KSR COLLEGE OF ENGINEERING	Experimental Investigation On Light Expanded Clay Aggregate (LECA) As A Replacement Of Fine Aggregate In Concrete And Hollow Blocks	Gunasekar
61	P. Sudha.S.P, Karthikeyan, G. Muralidharan, E. Nagendra Kumar	KSR COLLEGE OF ENGINEERING	Experimental Investigation On Partial Replacement Of Fine Aggregate By Granite Wastes In Concrete	Karthikeyan
62	G.Arungopi, T.Dhyaneshwaran , L.Gopikannan, R.Indhiran, M.Logeshkumar	KSR COLLEGE OF ENGINEERING	Durability Studies On Concreting Bagasse Ash And Ggbs With Heat Curing	G. Arungopi
63	B. Rajesh, M. Ragui, M. Yuvaraj, T. Subramani	KSR COLLEGE OF ENGINEERING	Stormwater Management By Permeable Pavement In Chennai City	Rajesh
64	Ranjith M, Srinivasan R, SathyaKesavan M, Sulthan Kumar M	Kongu Engineering College	Experimental Investigation On Brick By Using Of Dry Sludge As An Ingredient	ranjith.M
65	K.Prabakaran, M.Naveenkumar, S.Pradeep, Srvanakumar.G	KSR COLLEGE OF ENGINEERING	Experimental Investigation Of Concrete With High Density Polyethylene As Partial Replacement In Fine Aggregate	Prabakaran
66	Sathiskumar, D.Senthikumar, S.Shanmugapriya, M.Sreethivas	KSR COLLEGE OF ENGINEERING	Utilization Of Industrial Waste In Fly Ash Brick: A Review	Sathishkumar

	N.Sudharsan			
67	K.Akila, A.Abishanth, S.Bharani, S.Deepak, K.P.Vishalakshi	KSR COLLEGE OF ENGINEERING	Microstructural investigation of Different Types of Coarse Aggregate used in Concrete	Abirika
68	S.Sureshkumar, K.Srinivasan, S.Prakash, K.Yogeshwaran	Kongu Engineering College	Generation Of Electricity From Municipal Solid Waste In Karur City	J. Suresh
69	N.Priyanka, T.M. Surendhar, M. Vignesh, T. Udhayaraj, A. Thomas Eucharist	KSR COLLEGE OF ENGINEERING	Durability Test On Geopolymer Concrete Using Ggbs And Bagasse Ash In Ambient Curing Conditions	N. Priyanka
70	K.Selvakumar, R.Elakkiya, K.S.Anandha Kumar, Akeel Mohamed M, R.Anupriya	KSR COLLEGE OF ENGINEERING	A Factual Research On Stone Dust And Plastic Coated Aggregate In Flexible Pavement	Selvakumar
71	JayaPrakashB,As hwanth V, Govinthaaraj L, Dinesh V, Vishalakshi K P	KSR COLLEGE OF ENGINEERING	Structural Behaviour of Reinforced Concrete Beams Using Different types of Coarse Aggregate	Jaya Prakash
72	M.ArunA.Thomas Eucharist V. Revathi	KSR COLLEGE OF ENGINEERING	Experimental Study In Ambient Cured GGBS Geopolymer Concrete	Aruna
73	Thangabalu M, Ramesh kumar D	KSR COLLEGE OF ENGINEERING	An Experimental Study on Optimum Replacement of Cement and Coarse Aggregate By Marble Material	T. Rangabalu
74	A.Kalaivani, M.Manikandan, R.Bharathi, S.Jagatheeswaran	Kongu Engineering College	Comparison And Estimation Of Efficient Roof Covering For Warehouse	Kalaivani



# K.S.R. COLLEGE OF ENGINEERING (AUTONOMOUS)

(Accredited by NAAC with 'A' grade, Approved by AICTE, New Delhi & Affiliated to Anna University)  
Tiruchengode - 637 215. Namakkal District, Tamilnadu, India.

## DEPARTMENT OF CIVIL ENGINEERING

### SIXTH NATIONAL CONFERENCE ON

# TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING

## Certificate

This is to certify that Dr / Mr. / Mrs. / Ms. .... K. SELVAKUMAR.....

..... K.S.R. College..... Engineering.....

has participated / presented a paper titled ..... A..... Fundamental..... Research..... on..... Stone..... Dust..... and

..... Plastic..... Coated..... Aggregate..... in..... Flexible..... Pavement.....

in the Sixth National Conference on "TRENDY AND SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING" (NCTSDCE '18)

Organized by the Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode, on 9<sup>th</sup> April 2018.

*Ravi*  
Convener & HOD / Civil

*[Signature]*  
Principal

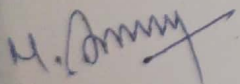


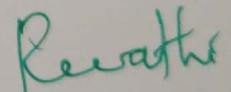
**K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637215**

**DEPARTMENT OF CIVIL ENGINEERING**

The department of civil engineering is planning to organize one day sixth national conference on “Trendy and Sustainable Development in Civil Engineering” at 09<sup>th</sup> April, 2018”. The approximate expense for the conference is as follows.

S.No	Description of Expenses	Amount (Rs.)
1.	Honorarium to chief guest	3000/-
2.	Invitation and Broucher	1000/-
3.	Broucher postal charges	400/-
4.	Proceeding book	30000/-
5.	Refreshment	2500/-
6.	Hall arrangement & press (media)	1000/-
7.	Banner, certificate, invitation	5000/-
8.	Certificate writing	100/-
9.	Lunch	7000/-
10.	Reception	500/-
Total		50500/-

  
Coordinator

  
HoD/ Civil





