

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

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

ORGANIZED BY

DEPARTMENT OF CIVIL ENGINEERING

NATIONAL CONFERENCE

Academic Year: 2017– 2018

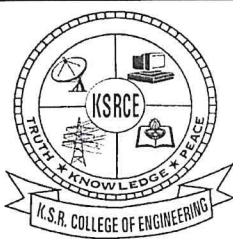
TITLE

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

DATE: 09.04.2018



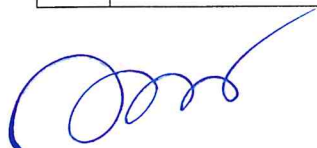
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K.S.R. KALVI NAGAR,
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Event Schedule

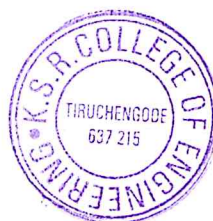
1	Name of the Event (Seminar/Workshop/Conference/FDP/Any other)	National Conference
2	Name of the Department	Civil Engineering
3	Date of the Event	9.4.2018
4	Venue	MCA Conference Hall
5	Title of the Event	Sixth National Conference On "Trendy and Sustainable Development in Civil Engineering"
6	Name of the Co-ordinators	Dr.V.Revathi Prof and Head Dr. S. Senthilkumar, Prof Dr.D.Rameshkumar , Asst.Prof Mr.M.Logesh Kumar , Asst.Prof
7	Total Participants	85
8	Objectives of the Event	The conference offers opportunities to research scholars, postgraduate students and industrialists to share innovative ideas related to the field of Civil Engineering.

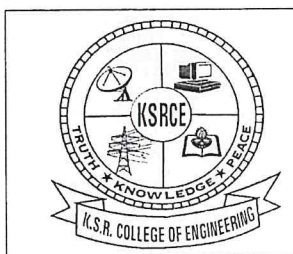

CO-ORDINATOR


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


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**Sixth National Conference on “Trendy and Sustainable Development in Civil Engineering”
Date :9.4.18**

EVENT REPORT

Department of civil Engineering, K.S.R. College of Engineering, Tiruchengode, Organized Sixth National Conference “Trendy and Sustainable Development in Civil Engineering” was conducted on 09.04.2018 at MCA conference hall.

The NCTSDCE-2018 aimed to bring together students, researchers, academics, scientists, practising engineers, and industry experts to talk about new ideas, different ways to do research, and a wide range of topics related to sustainable development in civil engineering.

The event started with devotional invocation song followed by lighting the lamp by guests as a symbol of knowledge and wisdom. In the welcome address, Dr.V.Revathi, the conference chair, welcomed the gathering and emphasized on the valuable insight of the conference. The program was presided by Dr. Lion K.S. Rangasamy, Founder and Chairman, and Mr. R.Srinivasan, Secretary, K.S.R.Educational Institutions. Dr.P.Senthilkumar, Principal offered Principal address. Dr.G.Ramasamy, Professor, Department of Civil Engineering, Builder’s Engineering College, Tirupur inaugurates the ceremony and delivered inaugural address. While delivering plenary lecture he told about the importance of sustainable materials in civil engineering. The National Conference received 125+ research papers. Out of which 73 papers were selected and included in the conference proceedings. Four parallel sessions was arranged for the presentation. Finally, The Concluding remarks were delivered by Dr. S.Senthilkumar, Conference coordinator.


CO-ORDINATOR


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Dr. S.SENTHILKUMAR,
Professor of Civil Engineering,
K.S.R. College of Engineering,
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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)**

9th 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




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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 & Guest Lecture	: Dr. G. Ramasamy Professor Builder's Engineering College
Vote of Thanks	: Dr. S. Senthil Kumar Professor
National Anthem	: Civil Engineering Students




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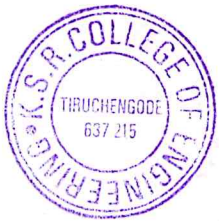
Sixth National Conference on "Trendy and Sustainable Development in Civil Engineering" 09.04.18



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




9th April, 2018

Chief Editor
Dr. V. Revathi

Editor
Dr. S. Senthilkumar

Organized by

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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>
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>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. Mohanalakshmi</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>Gowtham</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>
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. Aravinth</i>



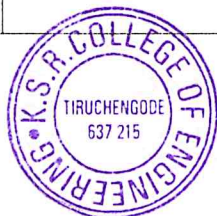
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16	S. Indhu, A.Thomas Eucharist, V.Revathi	KSR COLLEGE OF ENGINEERING	Experimental Studies On Heat Cured Bagasse Ash – GGBs Geopolymer Mortar	Indhu.S.
17	S.Sedhuramprasa nth, A.Tharani, K.Thenmozhi, U.Uthayaprakash, P.Hema,V.Revathi	KSR COLLEGE OF ENGINEERING	Fly Ash Based Geopolymer Mortar Made With Sea Water	Thenmozhi
18	Muralimohan.N, Sudha.P ,Paventhana.M , Praveen.S , Sasikumar.V, Karthikeyan.M	KSR COLLEGE OF ENGINEERING	Removal of Ammonia in Aquarium By Using Aquaponics	S. Praveen
19	R. Ragul, P. Sathyamoorthy, C.Swathipriya, D.Tamilselvan, K. Sargunan	KSR COLLEGE OF ENGINEERING	Behaviour of Cement Concrete Partially Replaced With Chicken Eggshell Powder	R. Ragul
20	N.Muralimohan, P.Sudha, L. Leo Sebastin, 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	K. Karthik
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	C. Shankar
22	K.Sargunan, M.Lavanya, K.Suresh Kumar, G.Sathya, T.Vignesh	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	K. Suresh Kumar
23	T. Senthilkumar, S. Jamuna, P. Kalaiselvi, K. Jaganathan, G. Krishnan	KSR COLLEGE OF ENGINEERING	Concrete Using Rubber Waste And Steel Slag As Fine Aggregate For Sustainable Built Environment	S. Senthilkumar
24	AshikElahi A, S. Senthilkumar	KSR COLLEGE OF ENGINEERING	Innovative Techonologies In Construction Industry	AshikElahi
25	Persi Elizabeth P, Piruthika S, Manimegalai S, Joy Jaison Abraham, Sudharsan N	KSR COLLEGE OF ENGINEERING	Manufacturing Of Fly Ash Brick By Utilizing Steel Slag And Marble Waste	Piruthika S
26	P.PadmaPoorani ,AshikElahi. A , S.Senthil Kumar	KSR COLLEGE OF ENGINEERING	Concepts And Requirements For The Design of Smart Homes Using Building Automation System	P. PadmaPoorani
27	M.Gunasekaran, M.LavanyaR.Gaya thri	KSR COLLEGE OF ENGINEERING	An Experimental Study OnStabilisation Of Silt And Clayey Soil	M. Lavanya
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	Mythili
29	M.Shastika, A.Vijaykumar, S.Yamunai,	KSR COLLEGE OF ENGINEERING	Properties Of Prewetted Rice Husk Ash Aggregate In Concrete	M. Shastika



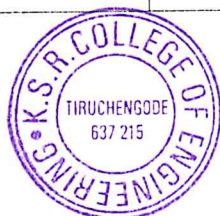
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	B.Sheikmohamed, R.Gopi			<i>Bpi</i>
30	R.Rishikanishkar, R.K.Sugashini, S.Sujai, B.Vinothini, R.Gopi	KSR COLLEGE OF ENGINEERING	Properties Of Prewetted Sugarcane Bagasse Ash Aggregate In Concrete	<i>S. Suj</i>
31	V.Narmatha, T.Priyanka, A.S.Mohanakumar, 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>Medi</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 Ambientand 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>



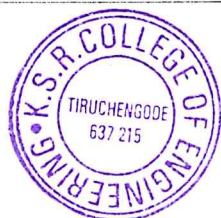
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40	Ranjani.A , Sudharsan.M , D.Santosh , P.Suresh, G.Dinesh Kumar	KSR COLLEGE OF ENGINEERING	Light Weight Pannel Using Natural Fibre	Santh.
41	S.Akila, C.Ajithkumar, S.Deepankumar, P.Jeeva, T.Senthilkumar	KSR COLLEGE OF ENGINEERING	Use of Plastic Waste 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
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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.A Arun
49	PriyajananiS, 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



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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	Manish
55	A.Appas ,B. Anchuka ,A.Anbarasu, S.Aravinth , G.Gokila	KSR COLLEGE OF ENGINEERING	Structural Property Analysis In Rc Beam Using Natural Fabric	A.P.
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 ,Anuilaakkiya.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.Kalaivani, N.Nandhini, A.Sathishkumar, R.Prathap, V.Revathi, M.Prabahar	KSR COLLEGE OF ENGINEERING	Experimental Investigation On Ferro Cement Panel Using Steel Fiber	N.Nandhini
60	Gunasekar.K, Alex Pandian.A.K, MathanPrakash.J, Manickkaraj.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.Dhiyaneshwaran , L.Gopikannan, R.Indhiran, M.Logeshkumar	KSR COLLEGE OF ENGINEERING	Durability Studies On Concreteusing Bagasse Ash And Ggbs With Heat Curing	G. Arungopi
63	B. Rajesh, M. Ragul, M. Yuvaraj, T. Subramani	KSR COLLEGE OF ENGINEERING	Stormwater Management By Permeable Pavement In Chennai City	Raj'sh
64	Ranjith M, Srinivasan R, SathyaKesavan M, Suthan 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, Sravanakumar.G	KSR COLLEGE OF ENGINEERING	Experimental Investigation Of Concrete With High Density Polyethylene As Partial Replacement In Fine Aggregate	Prabakaran
66	Sathiskumar, D.Senthilkumar, S.Shanmugapriya, M.Shreenivas,	KSR COLLEGE OF ENGINEERING	Utilization Of Industrial Waste In Fly Ash Brick: A Review	Sathishkumar,



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	N.Sudharsan			
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68	S.Sureshkumar, K.Srinivasan, S.Prakash, K.Yogeshwaran	Kongu Engineering College	Generation Of Electricity From Municipal Solid Waste In Karur City	S. Sureshkumar
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, Govintharaj 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	D. Ramesh
74	A.Kalaivani, M.Manikandan, R.Bharathi, S.Jagatheeswaran	Kongu Engineering College	Comparison And Estimation Of Efficient Roof Covering For Warehouse	Kongu Engineering



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SIXTH NATIONAL CONFERENCE ON

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Certificate

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

K.S.R. College Engineering

has participated / presented a paper titled A. Factual 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 9th April 2018.

Ravi
Convener & HOD / Civil



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