



**CIVIL ENGINEERING
NEWS BULLETIN
2023-24**



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

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K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215
(AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING
ASSOCIATION ACTIVITY

S.No	Department	Name of the Faculty Coordinators	Name of the Speaker	Name of the Programme (Guest Lecture/ Seminar/ Workshop/ Conference FDP/FDTP/ STTP organized)	Duration / Date	No. of participants
2023- 2024						
1.	Civil	Dr.A.Alex Rajesh Mr.A.Thomas Eucharist Mr.S.SaravanaGanesh	Mrs.Vidhya, CAD centre	Elevation Design Using Sketchup	28.07.2020	30
2.	Civil	Dr.A.Alex Rajesh & Mr.A.Thomas Eucharist	Er.K.Senthilkumar President, Erode District Civil Engineering Association	Opportunities For Civil Engineering	04.10.2023	140
3.	Civil	Dr.A.Alex Rajesh & Mr.A.Thomas Eucharist	Dr.S.Samson, Professor, Department of Civil Engineering, Veltech Rangarajan Dr Sagunthala R & D Institute of Science and Technology, Chennai – 62.	Use of Remote Sensing for Irrigation Water System	31.10.2023	60
4.	Civil	Dr.A.Alex Rajesh & Mr.A.Thomas Eucharist	Dr.K.Sargunan Associate Professor & Head, Vidya Academy of Science and Technology Technical Campus, Trivendram	Waste Management in Construction	22.11.2023	30

5.	Civil	Dr.A.Alex Rajesh & Mr.A.Thomas Eucharist	Dr.S.Karthiga @ Shenbagam, Associate Professor & Head, BIT, Sathyamangalam.	Optimization of structural design using ANSYS	19.12.23	40
6.	Civil	Dr.V.Revathi Dr.A.Alex Rajesh & Mr.A.Thomas Eucharist	Mr.V.Santhosh	Life After Graduation	30.01.2024	50
7.	Civil	Dr.V.Revathi Dr.A.Alex Rajesh & Mr.A.Thomas Eucharist	Mr Arun M Pillai	Construction project management techniques in 2024 & its high pay	12.2.2024	70
8.	Civil	Dr.V.Revathi Dr.A.Alex Rajesh & Mr.A.Thomas Eucharist Dr.M.Gunasekaran Mr.S.Elango	Mrs. G. Leela Assistant Executive Engineer Public work Department (Water Resources)	Water For Peace	27.03.2024	120

K.S.R. COLLEGE OF ENGINEERING: TIRUCHENGODE – 637215
DEPARTMENT OF CIVIL ENGINEERING
2023-2024
LIST OF PAPERS PUBLISHED

2023-2024								
Sl. No	Title of the Paper	Name of the Author/s	Name of Journal	Vol No, Issue No & pp	Year and Month of Publication	Category Q1/Q2/Q3/Q4	Impact factor	UGC Care list/ Scopus/Web of Science/other, mention
1.	Assessment of Strength of Concrete containing ESP and IESP as Partial Cement Replacement	S. Senthilkumar K. Sargunan, S. Elango	Journal of Environmental Nanotechnology	Vol. 12 Iss 3 pp. 01-09	Sep 2023	Q4	-	Scopus
2.	Interpolation and extrapolation of flexural strength of rubber crumbs and coal ash with graphene oxide concrete	A Alex Rajesh, S Senthilkumar, K Sargunan , G N Gobinath	REVISTA MATERIA	Vol .28, No .4	2023	Q4	0.54	Scopus
3.	Optimizing electrokinetic treatments for enhanced mortar durability: ionic migration and microstructural analysis	R. Priyanka V Revathi R Selvaraj	REVISTA MATERIA	Vol .28, No .4	2023	Q4	0.54	Scopus
4.	Evaluation Of Groundwater Quality For Sustainable Drinking And Irrigation	K Thirupathi Rao Syed Omar Ballari N Muralimohan, G Dineshkumar, M Anil, Syed Riyaz	Material Science And Technology	Vol.22 No.10	Oct 2023	Q4	1.72	Scopus

5.	Contamination of Groundwater Assessment in Hard Rock Aquifer by using Geographic Information System (Drastic Model) in the Thirumanimuthar Sub-basin, South India	S. Mohana, N. Muralimohan, K. Vidhyaa	Doklady Earth Sciences,	DOI: 10.1134/S1028334 X23601700	accepted Sep29, 2023	Q2	0.95	Scopus
6.	Optimal proportional combinations of rubber crumbs and steel slag for enhanced concrete split tensile strength	A Alex Rajesh , S Senthilkumar , S Samson	REVISTA MATERIA	DOI: https://doi.org/10.1590/1517-7076-RMAT-2023-0206	Accepted on 14/09/2023	Q4	0.54	Scopus
7.	Mechanical properties of coal ash concrete in the presence of graphene oxide	P. Prasanthni B. Priya G. Dineshkumar, G.N. Gobinath	International Journal of Coal Preparation and Utilization (Taylor & Francis Group)	https://doi.org/10.1080/19392699.2023.2284991	Accepted 13 November 2023	Q3	2.25	Scopus
8.	Importance and Benefits of Green Audits to Education Institutions and Industrial Sectors	D. A. Shahira Banu S. Sheela N. Muralimohan , N. Saranya , Amzad Basha Kolar V. Sri Santhya	International Journal of Environment and Climate Change	Vol 13, No 12, Pp 349-356,	2023	-	4.46	Others
9.	Influence of Aggressive Environment in Macro and Microstructural Properties of Bottom Ash Geopolymer Concrete	R. Saravanakumar K. S. Elango V. Revathi D. Balaji	Sustainability	16, 1732 https://doi.org/10.3390/su16051732	2024	Q1	3.9	Scopus
10.	Enhancing PVCC beam performance through PVA fiber and basalt fabric in sustainable construction: ductility, strength, and	P. Prasanthni , B. Priya, T. Palanisamy, G. Dineshkumar	REVISTA MATERIA	Vol 29, No 1, DOI: https://doi.org/10.1590/1517-7076-RMAT-2023-0299	2024	Q4	0.54	Scopus

	energy absorption improvements							
11.	Study of mechanical properties of self-adhesive mortars with sugar cane bambasse ash and silica activator	P. Sudhaa, S. Ramesh, R. Jagadeesan K. Yuvaraj	Journal of Ceramic Processing Research.	Vol. 25, No. 1, pp. 1~15	(2024)	Q3		Scopus

K.S.R. COLLEGE OF ENGINEERING: TIRUCHENGODE – 637215
DEPARTMENT OF CIVIL ENGINEERING

LIST OF BOOKS PUBLISHED

Sl. No.	Name of Faculty	Title of the Book	Publisher's Name	ISBN	Year of Publication
2023-24					
1	Dr. M. S. KUTTIMARKS Dr. A K DASARATHY Dr. N. MURALIMOHAN Dr. M.R. EZHIL KUMAR Mr.PILLA RAVI KISHORE	AI APPLICATIONS IN CIVIL ENGINEERING MATERIALS	Cosmas Scientific Publications	ISBN: 9789360969745	2023
2	Mr. AMIT DIPANKAR Dr. P. SUDHA Mr. JEEVANJOT SINGH CHAGGER Dr. N. NANDAKUMAR Mr. SHIVA KUMAR	GEOGRAPHIC INFORMATION SYSTEM FOR CIVIL ENGINEERS	Cosmas Scientific Publications	ISBN: 9789360966287	2023
3	Dr.P.Prashanthni Dr.A.Alexrajesh Mr.A.Thomas Eucharist Mr.S.saravanaganesh	ADVANCED GEOTECHNICAL ENGINEERING SITE CHARACTERIZATION AND SOIL IMPROVEMENT	Cosmas Scientific Publications	ISBN 978-93- 6096-811-3	MAY 2024

S.NO	REG.NO	NAME	COMPANY	SALARY
1	2012022	TAMILARASAN M	AARBEE STRUCTURES COIMBATORE	2.28
2	2012012	KAVIN RAJ K S	STARVA CONSTRUCTIONS, BENGALURU	2.28
3	2012504	GOWRISANKAR R	SRC PROJECTS PRIVATE LIMITED, SALEM	2.00
4	2012006	DINESHKUMAR S	REBAR D&D, CHENNAI	1.80
5	2012517	SATTAR M	REBAR D&D, CHENNAI	1.80
6	2012511	PRADEEPKUMAR V	REBAR D&D, CHENNAI	1.80
7	2012516	SATHISH KUMAR A	REBAR D&D, CHENNAI	1.80
8	2012507	KAVIN KUMAR M D	REBAR D&D, CHENNAI	1.80
9	2012015	MUKENTH V	REBAR D&D, CHENNAI	1.80
10	2012005	DINESHKUMAR R	BPO INTEGRA INDIA PRIVATE LIMITED	1.80
11	2012515	SANTHOSHKUMAR M	AMMAN BUILDERS, SALEM	2.40
12	2012523	VIKASH A	AMMAN BUILDERS, SALEM	2.40
13	2012520	SUGAN R	AMMAN BUILDERS, SALEM	2.40
14	2012016	MUKESH KUMAR N	EDCEA, ERODE	2.52
15	2012017	PRAVINKUMAR V	EDCEA, ERODE	2.52
16	2012023	YOGESH C	JPR CONSTRUCTIONS, COIMBATORE	2.64
17	2012502	BHARATHRAJ R	JPR CONSTRUCTIONS, COIMBATORE	2.64
18	2012522	THANGAMUTHU M	JPR CONSTRUCTIONS, COIMBATORE	2.64
19	2012009	JAYASURYA G	PRIMES BUILDERS & ASSOCIATES, PERAMBALUR	2.40
20	2012002	BALASARATHY J	PRIMES BUILDERS & ASSOCIATES, PERAMBALUR	2.40
21	2012018	SANTHOSH E	PRIMES BUILDERS & ASSOCIATES, PERAMBALUR	2.40
22	2012020	SRIVIGNESHWAR S R	MAINCITY LAND PROMOTERS, ERODE	2.40
23	2012505	JAWAHARNATH.T	SPS CONSTRUCTIONS, ERODE	2.16
24	2012512	PRAWIN RAAJ. V.S	SPS CONSTRUCTIONS, ERODE	2.16
25	2012003	DHANUSH R	SPS CONSTRUCTIONS, ERODE	2.16
26	2012004	DHEENU K	SPS CONSTRUCTIONS, ERODE	2.16
27	2012014	MANIMARAN M	SRI KRISHNA CONSTRUCTIONS, TRICHY	2.58
28	2012513	SAKTHIVEL.R	EDCEA, ERODE	2.52
29	2012518	SUBASH CHANDRA BOSE. P	EDCEA, ERODE	2.52
30	2012510	NITHESH KUMAR.S	EDCEA, ERODE	2.52
31	2012008	GURUMOORTHY M	EDCEA, ERODE	2.52
32	2012001	ARAVINDKUMAR P	EDCEA, ERODE	2.52
33	2012019	SANTHOSH V	EDCEA, ERODE	2.52
34	2012501	ASWINN.S	EDCEA, ERODE	2.52
35	2012011	KAVIN R	EDCEA, ERODE	2.52

K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215**(Autonomous)****DEPARTMENT OF CIVIL ENGINEERING****DETAILS OF PATENT / COPYRIGHT**

Sl.No.	Title	Inventors	Application No.	Date	Status
Academic Year: 2023-2024					
1.	Hand Held Device to Analyze Cement Quality	Dr.E.K.Mohanraj Mrs.K.Selvi Mr.A.Abdul Hameed Mr.K.L.Ravisankar Mr.M.Yeswanth Mr.S.Gnana Venkatesh Mr.M.K.Kamalakkannan Mr.V.Aravind Mr.T.Bragadeeswaran Mr.S.Dineshkumar	383344-001	07.04.2023	Designs Patent 18.10.2023
2.	Valve for Wetland Construction Tanks with Pollutant level Display	Dr.N.Muralimohan K.Neetha Delphin Mary	364112001	13.05.2022	Designs Patent 20.11.2023
3.	Pollution Prediction and Alert System	Dr.D.Sreenivasulu Dr.N.Muralimohan Dr.S.Ayyakkannu M.Nithya M.Archana R.Suganya Mohd Esa	6326338	16.11.2023	Designs Patent 23.11.2023
4.	Advanced Biological Process of Making A Biodegradable Waste"	Vijayalaxmi Chandarshekhar Patil Silambarasan G Gokulnath N Dr.N.Muralimohan M.Kishoth R.kavin R.Bharathraj M.Tamilarasan Mr. Nazeer Shaik	-	31.10.2023	Publication
5.	Self-Compacting Concrete with Nano-Silica Gel	Dr. V. Revathi Dr. M. Gunasekaran Mr. R. Babu Mr. K. Selvakumar Mr. A. Thomas Eucharist Dr. P. Prasanthni Dr. A. Alex Rajesh	202341078086 A	17.11.2023	Publication 29.12.2023
6.	Artificial intelligence and machine learning-based approaches for estimating the cost and performance of prestressed steel in	Mr.Deekshith Jain Dr.M.Chittaranjan Mr.B.Suresh Mr.T.Vijayashankar Mr.Sateesh Devanga Yerra Mr. Cristina	202341079679 A	23.11.2023	Publication 22.12.2023

	concrete bridge construction	Mr. Chitte Anil Dr.P.Sampath Dr.Maaz Allah Khan Mr.Madhuri Ganesh PaGale Mr.Priyank Udaybhai Trivedi Mrs.R. Ruthra			
7.	Sugarcane Planting Machine	Ghazala Ansari, Dr.Pichaipillai Sudha, Dr.Ayyakkannu Selvaraj, Dr.Haresh Gambhir Chaudhari, Dr.Thangavelu Senthilkumar, Dr. Gopal Malathi	6342692	27.01.2024	Designs Patent 19.02.2024
8.	Development of Bricks Using Flowable Slurry Technology	Dr. V. Revathi M. Santhoshkumar R. Gowrisankar A. Vikash	202441033883 A	29.04.2024	Publication 03.05.2024
9.	Automated Concrete Mixing Device	Dr. V. Revathi Dr. R. Jagadeesan Dr. M. Gunasekaran Dr. P. Prasanthni Mr. R. Babu Mr.T.Vijayashankar Mr.S.Dineshkumar Mr. R. Gowrishankar	414288-001	19.04.2024	Designs Patent 06.06.2024
10.	High Speed Slurry Mixer For Investment Casting	Dr. V. Revathi M. Santhoshkumar R. Gowrisankar A. Vikash.	415193-001	28.04.2024	Designs Patent 14.06.2024
11.	Plastic Waste Recycling Device	1.Dr.S.Senthilkumar 2.Dr A. Aiex Rajesh 3.Mr A. Thomas Eucharist 4.Mr.D. Kanagaraj 5.Mr S. Elango 6.Mr.K. Selvakumar 7.Mr S. Saravanaganesh 8.Dr.K.Sargunan.	413692-001	16.04.2024	Designs Patent 13.06.2024



K.S.R COLLEGE OF ENGINEERING
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INTERNSHIP STUDENTS NAME LIST
ACADEMIC YEAR 2023-2024

S.No	Reg.No	Name	Name of the Organization	Duration
1	2012001	Aravindkumar P	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
2	2012002	Balasarathi J	AKS Enterprise, Kangeyam	18.06.2023 to 17.07.2023
3	2012003	Dhanush R	RR Infra Construction, Madurai	19.06.2023 to 18.07.2023
4	2012004	Dheenu K	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
5	2012005	Dineshkumar R	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
6	2012006	Dineshkumar S	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
7	2012008	Gurumoorthi M	K.Saravanan Civil Engineering Contractor	19.06.2023 to 18.07.2023
8	2012009	Jayasurya G	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
9	2012010	Kanishk N R	RR Infra Construction, Madurai	19.06.2023 to 18.07.2023
10	2012011	Kavin R	RR Infra Construction, Madurai	19.06.2023 to 18.07.2023
11	2012012	Kavin Raj K S	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
12	2012013	Kishoth M	Paanayil Heavy Engineering and Fabrications, CBE	20.06.2023 to 20.07.2023
13	2012014	Manimaran M	K.Saravanan Civil Engineering Contractor	19.06.2023 to 18.07.2023
14	2012015	Mukenth V	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
15	2012016	Mukesh Kumar N	AKS Enterprise, Kangeyam	18.06.2023 to 17.07.2023
16	2012017	Pravinkumar V	K.Saravanan Civil Engineering Contractor	19.06.2023 to 18.07.2023
17	2012018	Santhosh E	K.Saravanan Civil Engineering Contractor	19.06.2023 to 18.07.2023
18	2012019	Santhosh V	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
19	2012020	Srivigneshwar S R	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
20	2012021	Sudharsan J	RR Infra Construction, Madurai.	19.06.2023 to 18.07.2023
21	2012022	Tamilarasan M	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
22	2012023	Yogesh C	Paanayil Heavy Engineering and Fabrications, CBE	20.06.2023 to 20.07.2023
23	2012501	Aswinn S	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
24	2012502	Bharathraj R	Paanayil Heavy Engineering and Fabrications, CBE	20.06.2023 to 20.07.2023
25	2012504	Gowrisankar R	K.Saravanan Civil Engineering Contractor	19.06.2023 to 18.07.2023
26	2012505	Jawaharnath T	JPR Constructions, Coimbatore	19.06.2023 to 18.07.2023
27	2012506	Karan Hembram P	JPR Constructions, Coimbatore	19.06.2023 to 18.07.2023
28	2012507	Kavin Kumar M D	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
29	2012508	Kishore R	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
30	2012510	Nithesh Kumar S	Sri Kandhavel Builders, Namakkal	19.06.2023 to 18.07.2023
31	2012511	Pradeepkumar V	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
32	2012512	Prawin Raaj V S	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
33	2012513	Sakthivel R	JPR Constructions, Coimbatore	19.06.2023 to 18.07.2023
34	2012515	Santhoshkumar M	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
35	2012516	Sathish Kumar A	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
36	2012517	Sattar M	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
37	2012518	Subash Chandra Bose P	AKS Enterprise, Kangeyam	18.06.2023 to 17.07.2023
38	2012520	Sugan R	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
39	2012521	Suman R	JPR Constructions, Coimbatore	19.06.2023 to 18.07.2023
40	2012522	Thangamuthu M	JPR Constructions, Coimbatore	19.06.2023 to 18.07.2023
41	2012523	Vikash A	National Highway Authority of India, Salem	19.06.2023 to 18.07.2023
42	2012524	Yaswin M K	Paanayil Heavy Engineering and Fabrications, CBE	20.06.2023 to 20.07.2023



K.S.R.COLLEGE OF ENGINEERING,

TIRUCHENGODE - 637 215

DEPARTMENT OF CIVIL ENGINEERING

Enhancing Learning the Real-World Experience through Industrial Visits

We are excited to announce our recent industrial visit, which provided our students with invaluable insights into the practical applications of their academic studies. This hands-on experience is essential for bridging the gap between theory and practice, helping students understand the complexities of the industry. The details of visit's are listed below.

Academic Year 2023 - 2024		
Si.No.	Industry Name	Number of students
1.	Zenith Construction, Mysore	25 Students - Final Year
2.	Zenith Construction, Mysore	30 Students - Third Year
3.	Zenith Construction, Mysore	23 Students - Second Year
4.	Masco Tea Factory, Vagamon, Kerala	26 Students - Final Year
5.	Water Treatment Plant, Wonderla, Kochi	29 Students - Third Year
6.	Water Treatment Plant, Wonderla, Kochi	25 Students - Second Year

Key Highlights of the Visit:

- **Engagement with Industry Leaders:** Students had the opportunity to interact with professionals and experts in the field, gaining firsthand knowledge about current trends and challenges in the industry.
- **Insightful Tours:** The visit included guided tours of the facilities, allowing students to observe operational processes, technology in use, and the day-to-day functioning of the industry.
- **Workshops and Demonstrations:** Participants attended workshops and demonstrations that showcased innovative practices and technologies, reinforcing their theoretical learning.
- **Networking Opportunities:** The visit facilitated networking between students and industry professionals, opening doors for future internships and job opportunities.

Feedback and Learning Outcomes:

Students reported a significant increase in their understanding of industrial operations and expressed enthusiasm for applying their knowledge in real-world scenarios. The visit fostered critical thinking and encouraged students to explore various career paths within the industry.

Future Visits:

We believe that continuous exposure to the industry is crucial for our students' professional development. We are planning more industrial visits in the upcoming months to provide additional opportunities for learning and engagement.