

KINGS COLLEGE OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

Name: Mr.K.Arun	
Designation:	Assistant Professor-II
Qualification:	M.Tech.,
Area of Specialization:	Structural Engineering
Experience:	Teaching: 11 Yrs.
	Industry:- 3 Yrs.
Publication:	Journal National: -- International: 04
	Conference National: 08 International: 10
Book Publication:	02
No. of workshop/STTP/ FDP organized :	22
No. of offline workshop/STTP/ FDP attended:	12
No. of online workshop/STTP/ FDP attended :	NITTTR : 14 ATAL: 10 Other FDP: 24
Grants Received:	Rs.2,00,000 (Mission Amrit Sarovar – Jal Dharohar Sanrakshan (MAS-JDS) Internship, July 2022)

➤ **Journal Publications**

- “COMPARITIVE STUDY OF POLYMER FIBRE REINFORCED CONCRETE WITH CONVENTIONAL CONCRETE” in IJARBEST (International Journal on Advanced Research in Basic Engg. Science & Technology) Vol 5, No.5, May 2019, DOI: 10.20238/IJARBEST.2019.05050026 (ISSN : 2456-5717)
- “EXPERIMENTAL STUDY ON PARTIALLY REPLACEMENT OF CEMENT BY USING SUGAR CANE BAGASSE ASH IN CONCRETE” in IJARBEST (International Journal on Advanced Research in Basic Engg. Science & Technology) Vol 5, No.5, May 2019, DOI: 10.20238/IJARBEST.2019.05050025 (ISSN : 2456-5717)
- “COMPARITIVE STUDY OF STEEL SLAG WITH COARSE AGGREGATE AND TESTING ITS BINDING PROPERTIES WITH BITUMEN ” in IJARBEST (International Journal on Advanced Research in Basic Engg. Science & Technology) Vol 4, No.5, May 2018, DOI: 10.20238/IJARBEST.2018.04050033 (ISSN : 2456-5717)
- “GIS In Run-Off Estimation For Pillaiperumanallur Village, Tamilnadu” in IJAER (International Journal of Applied Engineering Research) ISSN 0973-4562 Volume 10, Number 3 (2015)

➤ **Book Publications**

TITLE OF THE BOOK PUBLISHED	ISBN NUMBER	NAME OF THE PUBLISHER	YEAR
Construction Materials and Technology	978-81-953605-6-7	Suchitra Publications Chennai	December 2022
Estimation Costing and valuation Engineering	978-81-977971-1-8	Lakshmi Publications Chennai	October 2024

➤ **Conference Publications**

S.No	Paper Title	Conference Name	Organized by	Date
1.	Fabrication of sustainable green bricks by the effective utilization of industrial wastes	International Conference on Innovations for sustainability in Science, Engineering and Management (ISSEM 25)	Chenduran College of Engineering and Technology, Pudukkottai	26 th April 2025
2.	Experimental Analysis of Recycled Construction and Demolition Waste as Partial Replacement of Coarse aggregate in Concrete	International conference on Adaptive technology for sustainable growth	Paavai Engineering college, Namakkal	27 th April 2024

3.	Experimental investigation on partial replacement of fine aggregate in concrete using ecofriendly plastic sand aggregate	International Conference on "Recent Advances in Civil and Mechanical Engineering"	Kings college of Engineering, Punalkulam	27 th April 2023
4.	Comparative study of normal paver block with partial replacement of sand by saw dust	National Conference "SMART MATERIALS AND MODERN BUILDING TECHNIQUES"	Er.Perumal Manimekalai college of Engineering, Hosur	4 th June 2022
5.	Experimental Investigation on partial utilization of crushed oyster shell for fine aggregate in SCC	International Conference on Emerging Technologies and adaptation in Geotechnical Engineering – ICETAGE'21	Meenakshi Sundharam Engineering College, Trichy	8 th May 2021
6.	Comparative study on conventional fine aggregate versus crushed oyster shell for fine aggregate in SCC	Virtual National Conference on Sustainable Technologies and smart materials (NCSSM-2021)	SRM TRP Engineering College, Trichy	10 th April 2021
7.	Experimental Investigation on Partial Replacement of Cement Using Medical Waste in Concrete	International Conference on Emerging Techniques in Engineering Technology and Management	Rathinam Technical campus, Coimbatore	23 rd March 2019
8.	Experimental Investigation on Partial Replacement of Bitumen Using Sugarcane Molasses	International Conference on Emerging Techniques in Engineering Technology and Management	Rathinam Technical campus, Coimbatore	23 rd March 2019
9.	Comparative Study on Polymer Fibre Reinforced Concrete with Conventional Concrete	National Conference on Recent Trends in Civil Engineering (NCRTCE'19)	Mother Teresa College of Engineering and Technology, Pudukkottai	21 st March 2019
10.	E-Waste as an alternate to minimize scarcity of Fine Aggregate for Concrete	National Conference on Advanced Techniques in concrete, Environmental and Geotechnical Engineering	Kings College of Engineering, Punalkulam	21 st March 2018
11.	Experimental Investigation on Influence of Steel Slag with Coarse Aggregate in Bitumen and testing its binding properties	National Conference on Advanced Techniques in concrete, Environmental and Geotechnical Engineering	Kings College of Engineering, Punalkulam	21 st March 2018
12.	Experimental Investigation on utilization of E-Waste as partial replacement of Fine Aggregates in Concrete	International Conference on Innovations in Science, Engineering, Technology and Management	Annapoorana Engineering College, Salem	9 th and 10 th March 2018

13.	Comparative study of Steel Slag with Coarse Aggregate and testing its binding properties with Bitumen	International Conference on Innovations in Science, Engineering, Technology and Management "ICISSETM 2018"	Annapoorana Engineering College, Salem	9 th and 10 th March 2018
14.	Experimental Investigation of influence of Marble Powder in Concrete as a partial replacement of Cement	International Conference on Newer Engineering concepts & Technology (ICONNECT-2K17)	K.Ramakrishnan College of Technology, Trichy	28 th & 29 th March 2017
15.	Study of Concrete properties by partial replacement of Cement using Marble Powder	National Conference on Advances in civil Engineering	KSK College of Engineering and Technology, Kumbakonam	16 th March 2017
16.	Experimental Study on partial replacement of Bitumen by recycled rubber from tyre on Asphalt Pavement	National Conference on Recent Advancement in Technologies	Mother Teresa College of Engineering and Technology, Pudukkottai	10 th & 11 th March 2017
17.	Flexural behavior of RC Beam with welded mesh as shear reinforcement	National Conference on Emerging Trends and Challenges in Civil Engineering	Kings College of Engineering, Punalkulam	29 th Dec 2016
18.	GIS in Run-Off estimation for Pillaiperumanallur village, Tamilnadu	International Conference on "Advancements in Engineering & Technology"	Achariya College of Engineering Technology, Pondicherry	13 th March 2015

➤ **Seminars /FDP/Workshop/Conference organized:**

S.No	Title of the event	Organized by	Date	
			From	To
1.	One day workshop on "Why you should become a civil engineer?" for diploma civil students	Department of Civil Engineering, Kings College of Engineering, Punalkulam	06 th March 2025	
2.	Dept. Project Expo 2025	Department of Civil Engineering, Kings College of Engineering, Punalkulam	19 th May 2025	
3.	Webinar on "Bio inspired solution for environmental sustainability"	Department of Civil Engineering, Kings College of Engineering, Punalkulam	13 th Nov 2024	
4.	One day workshop on "total station-hands on training"	Department of Civil Engineering, Kings College of Engineering, Punalkulam	1 st Oct 2024	
5.	IT skills courses	IQAC Cell, Kings College of Engineering, Punalkulam in association with IIT Bombay, ICT, Ministry of Education	2023-2024	

6.	Skill development course on "Construction painter and decorator"	TNSDC in association with Kings College of Engineering, Punalkulam	11 th Dec 2023 – 02 nd May 2024
7.	E-Seva Training for all	IQAC Cell, Kings College of Engineering, Punalkulam in association with ICT Academy	23 rd Aug 2023- 12 th Sep 2023
8.	Dept. Project Expo 2023	Department of Civil Engineering, Kings College of Engineering, Punalkulam	12 th May 2023
9.	One day workshop on "Why you should become a Civil Engineer?"	Department of Civil Engineering, Kings College of Engineering, Punalkulam	31 st March 2023
10.	Oratorical competition on "construction industry turning waste to wealth"	Builders Association of India (BAI) in association with Department of Civil Engineering, Kings College of Engineering, Punalkulam	6 th Dec 2022
11.	Dept. Project Expo 2022	Department of Civil Engineering, Kings College of Engineering, Punalkulam	13 th Jun 2022
12.	National Conference on "Recent trends and Innovations in Civil Engineering (NC-RTICE'22)"	Department of Civil Engineering, Kings College of Engineering, Punalkulam	9 th Jun 2022
13.	FDP on "MOODLE Learning Management System"	IQAC Cell, Kings College of Engineering, Punalkulam in association with IIT Bombay	26 th Feb 2022
14.	National level One day online workshop on "Planning & drafting of approval drawing"	Department of Civil Engineering, Kings College of Engineering, Punalkulam	26 th March 2021
15.	National level Technical Webinar on "The GIS : An Industrial perspective"	Department of Civil Engineering, Kings College of Engineering, Punalkulam	27 th July 2020
16.	Dept. Project Expo 2020	Department of Civil Engineering, Kings College of Engineering, Punalkulam	3 rd June 2020
17.	One Day Workshop on "Column Marking & Total Station"	Department of Civil Engineering, Kings College of Engineering, Punalkulam	06 th March 2020
18.	Dept. Project Expo 2K19	Department of Civil Engineering, Kings College of Engineering, Punalkulam	22 nd March 2019
19.	National Conference on "Innovative Trends and advances in Civil Engineering"	Department of Civil Engineering, Kings College of Engineering, Punalkulam	16 th March 2019
20.	"KINGS PROJECT EXPO'2K18"	R & D Section, Kings College of Engineering, Punalkulam	29 th March 2018

21.	One day Workshop on “Fundamental Surveying and Total Stations”	Department of Civil Engineering, Kings College of Engineering, Punalkulam	16 th Feb 2018
22.	National level technical Symposium RICKCEM 2K17	Department of Civil Engineering, Kings College of Engineering, Punalkulam	1 st Sep 2017

➤ **Offline Short term Courses / Seminars /FDP/Workshop Attended:**

S.No	Title of the event	Organized by	Date	
			From	To
1.	One day workshop on “Semi Light Weight Concrete	NIT, Trichy	19 th Oct	2019
2.	Two days seminar on “Technology Enabled Teaching Learning Strategies Towards Quality Enhancement In Higher Education”	IQAC cell, PMIST, Thanjavur, in academic partnership with NAAC	11 th & 12 th	April 2019
3.	Two days workshop on “Material Testing And Characterization”	NIT, Trichy	14 th and 15 th	Dec 2018
4.	One day National seminar on “Aero Engines & Air Frames”	R & D Section, Kings College of Engineering, Thanjavur	28 th Sep	2018
5.	Two days workshop on “A Two Day Hands on Training in Geographical Information System For Civil Engineers and Town Planners”	Arasu Engineering College, Kumbakonam	26 th and 27 th	Feb 2018
6.	One day workshop on “AUTODESK FORMIT 360”	Vinsys IT Services (India) Pvt, Ltd. in association with Kings College of Engineering, Thanjavur	19 th Feb	2018
7.	One day National level workshop on “Digital Surveying Using DGPS And Total Station”	Lawrence & Mayo (India) Pvt, Ltd. in association with MAM College of Engineering, Siruganur, Trichy	30 th August	2017
8.	One day workshop on “Structural Health Assessemnt Using Non-Destructive Techniques”	Karunya Institute of Technology and science, Coimbatore	25 th Feb	2017
9.	8 days Faculty development program on “LIFE SKILLS”	ICT Training Academy held at Achariya College of Engineering Technology, Pondicherry	June	2015
10.	One day workshop on “Faculty in Industry Experience Workshop in Robotics”	Achariya College of Engineering Technology, Pondicherry	1 st June	2015
11.	One day workshop on “Surveying Using Total Station”	Dr.Paul’s Engineering College, Vanur	27 th August	2014
12.	One day Awareness Programme on “NMEICT Products for Teaching”	Pondicherry Engineering College, Pondicherry	21 st August	2014

➤ **Online FDPs attended**

a. NITTTR

S.No	Course title	Organizer	Date	
			From	To
1.	AICTE Recognized Faculty Development Programme on “Building maintenance Repair and rehabilitation”	NITTTR, Chandigarh	09.09.2024	to 13.09.2024.
2.	One week Faculty Development Programme on “Fundamentals of machine learning”	NITTTR, Kolkata	11.03.2024	to 15.03.2024.
3.	AICTE recognized Faculty Development Programme on “Integrated water resource management”	NITTTR, Chandigarh	26.02.2024	to 01.03.2024
4.	One week FDP on “Air, Water Pollution and health”	NITTTR, Kolkata	31.07.2023	to 04.08.2023
5.	One Week Faculty Development programme on “Fundamentals of Technology Enabled Learning”	NITTTR Kolkata	20.02.2023	to 24.02.2023
6.	National Seminar on Innovation, Incubation and Entrepreneurship Development	NITTTR Kolkata	22.03.2023	
7.	One Week Faculty development programme through ICT Mode on “Critical Pedagogy”	NITTTR, Chennai	07.02.2022	to 11.02.2022
8.	One Week Short Term Training Programme through ICT Mode on “Laboratory Testing of Soil”	NITTTR, Kolkata	20.12.2021	to 24.12.2021
9.	One Week Short Term Training Programme through ICT Mode on “Technology Enabled Learning”	NITTTR, Kolkata	20.09.2021	to 24.09.2021
10.	National seminar on “Ancient Indian Education system”	NITTTR, Kolkata	11.11.2020	to 12.11.2020
11.	One week Online FDP on "FDPOM90 – Quality Assurance Through Accreditation”	NITTTR, Chennai	16.11.2020	to 20.11.2020
12.	One week STTP on “Management Issues of Laboratory And Workshop Class” through ICT mode	NITTTR, Kolkata	04.11.2019	to 08.11.2019
13.	One week STTP on “NBA Accreditation” through ICT mode	NITTTR, Kolkata	22.04.2019	to 26.04.2019
14.	One week STTP on “Problem Solving and Decision Making” through ICT mode	NITTTR, Kolkata	31.12.2018	to 04.01.2019

b. ATAL FDP

S.No	Course title	Organizer	Date	
			From	To
1.	AICTE Training And Learning (ATAL) academy Faculty Development Programme on "Artificial Intelligence for Science and Engineering"	NIT Nagaland	17.02.2025	to 22.02.2025
2.	AICTE Training And Learning (ATAL) academy Faculty Development Programme on "Sustainable Civil Engineering construction materials in infra structure and Industry"	NIT Raipur	06.01.2025	to 11.01.2025
3.	AICTE Training And Learning (ATAL) academy Faculty Development Programme on "Sustainable Practices in Energy and Environment sector"	D Y patil International University	16.12.2024	to 21.12.2024.
4.	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "New Frontiers in Architecture, Engineering and Construction"	Thiagarajar College of Engineering, Madurai	21.02.2022	to 25.02.2022
5.	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Application of Sustainable Construction Engineering for Enhancing Durability of Existing Structures"	Visvesvaraya National Institute of Technology, Nagpur	19.07.2021	to 23.07.2021
6.	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Sustainable Practices in Civil Engineering"	Bangalore University, Bangalore	14.06.2021	to 18.06.2021
7.	AICTE Training And Learning (ATAL) Academy Online FDP on "Construction Technology"	IIT, Jammu	01.02.2021	to 05.02.2021
8.	AICTE Training And Learning (ATAL) Academy Online FDP on "Blended Learning and Flipped Classroom"	Vellore Institute of Technology	18.01.2021	to 22.01.2021
9.	AICTE Training And Learning (ATAL) Academy Online FDP on "Strategic Civil Infrastructure"	IIT Hyderabad.	01.10.2020	to 05.10.2020
10.	AICTE Training And Learning (ATAL) Academy Online FDP on "Concrete Technology and Sustainable construction Practices"	Government Engineering College, Dahod.	21.09.2020	to 25.09.2020

c. Other FDPs/STTPs

S.No	Course title	Organizer	Date	
			From	To
1.	Five Days Online Faculty Development Programme on "AI APPLICATION AND RECENT TRENDS IN CIVIL ENGINEERING"	JP College of Engineering, Tenkasi	05.02.2025	to 09.02.2025
2.	Five days National workshop on "Field Oriented Challenges in Civil Engineering"	Department of Civil Engineering, NIT Jamshedpur	05.08.2024	to 09.08.2024.
3.	Faculty Development Program on "Stress Management"	ICT Academy, Tamilnadu	08.07.2024	to 12.07.2024.
4.	One week online short term course on "Recent advances in Civil and Environmental Engineering"	Department of Civil Engineering, NIT Delhi, in association with Dr.B.R.Ambedkar NIT Jalandhar	24.06.2024	to 28.06.2024.
5.	One week online Faculty Development Programme on "Research and Innovations in Structural Engineering"	Vardhaman college of Engineering, Hyderabad	12.02.2024	to 17.02.2024.
6.	One week workshop "X-Ray Diffraction and Spectroscopy"	IIT Jodhpur	20.02.2024	to 26.02.2024.
7.	5 days webinar series on "Advances in geotechnical Engineering"	Jaypee university of Information Technology (JUIT), Wanknaghat, Solan, Himachal Pradesh.	30.04.2024	to 04.05.2024
8.	5 Days of Faculty Development Program (Online) on 2 nd Series of Advancements in concrete Technology (AICT-2023)	Ballari Institute of Technology & Management, Ballari	02.11.2023	to 07.11.2023.
9.	Five days (online) International Faculty Development Programme on "Future Developments in Civil Engineering"	Anand International college of Engineering, Jaipur	06.02.2023	to 10.02.2023
10.	One Week Faculty Development Programme on "Block chain course"	NSE Academy & TNSDC, through Naan Mudhalvan programme at CARE College of Engineering, Trichy	13.02.2023	to 17.02.2023
11.	Five days virtual Faculty Development Programme on "Sustainable repair & Rehabilitation of constructed facilities"	Vellore Institute of Technology, Chennai	06.02.2023	to 10.02.2023
12.	Transportation infrastructure – Airports, Metros & Seaports	L & T Edutech through Naan Mudhalvan programme at Thiyagarajar College of Engineering, Madurai	19.09.2022	to 23.09.2022

13.	One week national level Faculty development programme on “Futuristic scope in Civil Engineering”	C.K College of Engineering and Technology, Cuddalore	23.08.2022 to 27.08.2022
14.	Online FDP on "Advancements in Environmental Remote sensing and Machine Learning"	Dr. M.G.R Educational and Research Institute in Association with DRDO, MoES, GSI and ISRO	21.06.2021 to 30.06.2021
15.	One Week Faculty Development Program (Online) on “Advanced Applications of Structural Concrete in Civil Engineering”	KL Deemed to be University, Vaddeswaram, Guntur.	07.06.2021 to 12.06.2021
16.	One Week ISTE Approved Online STTP on “Structural Health Monitoring & Retrofitting Rehabilitation of Structures”	Department of Civil Engineering, P.R.Pote College of Engineering & Management, Amravati.	10.05.2021 to 15.05.2021
17.	AICTE-ISTE sponsored Phase-2 one week online FDP on “Curriculum For Sustainability”	Velammal Engineering College in technical coordination with The Engineers’ HUB	02.12.2020 to 08.12.2020
18.	AICTE Sponsored Six days STTP titled on “Recent advances in Land surveying and Mapping-1 (Electronic Total Station and GPS)”	Department of Civil Engineering, S.A Engineering College, Chennai	23.11.2020 to 30.11.2020
19.	AICTE Sponsored one week STTP titled on “Industrial and Municipal Solid waste management for Green India”	Department of Civil Engineering, P.S.R Engineering College, Sivakasi	20.07.2020 to 26.07.2020
20.	National Workshop on “Perspectives And Challenges In Outcome Based Research”	NIT, Tiruchirappalli under the aegis of AICTE-Margdharshan Scheme.	13.07.2020 to 17.07.2020
21.	International webinar series on “RAGeo-RP” organized by Department of Civil and Environmental Engineering, IIT Patna	In association with Indian Geotechnical Society (IGS) Bihar & Jharkhand Chapter; Nepal Geotechnical Society (NGS) and Centre for Earthquake Engineering Research (CEER), IIT Patna	01.07.2020 to 10.07.2020
22.	Two Week International STTP on "Advances in Technology and Management for Civil Engineering-(ATMCE)"	ICI Nagpur & ACC cement in association with Civil Engineering department, KDKCE, Nagpur.	23.06.2020 to 03.07.2020
23.	Online WGCapD Webinar Series on “Remote Sensing in Crop Monitoring and Assessment”	Indian Institute of Remote Sensing (IIRS), ISRO	19.05.2020 to 09.06.2020
24.	Indo-China webinar series jointly initiated by faculties from Shantou University, China, Vardhaman College of Engineering, Hyderabad	Indian Geotechnical Society Surat Chapter, SVNIT Surat and Qingdao University of Technology, China	08.05.2020 to 18.05.2020