



Sri Ramakrishna Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

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Faculty Profile

Mr. R SUDHARSHAN, B.E., M.E., (Ph.D.),

Assistant Professor,

Mechanical Engineering



Date of birth	:	05.07.1995	Gender	:	Male
Nationality	:	Indian	Marital status	:	Single
Address for correspondence	:	23/14-2-135, Karuppur Post, Omalur Taluk, Salem – 636012.	Permanent address	:	23/14-2-135, Karuppur Post, Omalur Taluk, Salem – 636012.
Mobile no	:	9715283737	e-mail (official)	:	sudharshan.ce@srit.org
Landline	:	-	e-mail (personal)	:	rsudharshan2012@gmail.com
Date of joining	:	06.06.2019	Post of joining	:	Assistant Professor
No of promotions since D.O.J	:	NA	Present post	:	Assistant Professor
Present pay scale	:	15600-39100 and 6000	Gross pay	:	33,340
Employee ID	:	TE378	Bank account No. (Salary credited)	:	500101012102319
P.F. No	:	TN/CBE/56764/10872	Group Insurance No	:	AG00059675000102
PAN Number	:	LWQPS7385M	Aadhar Number	:	442316713636
AICTE ID	:	1-7350837902	AICTE Institution ID	:	1-7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	Civil Engineering	2017	Jansons Institute of Technology	Anna University	II
PG	Construction Engineering and Management	2019	Kongu Engineering College	Anna University	I
Ph.D					
Others					

Registration for Ph.D. with area of interest: Registered - Smart Cities & Green Buildings

Year of Ph.D. Registration: 2022

Year of Ph.D. Completed: NA

Thesis Title: Towards Sustainable and Smart Mobility in Development of Smart Cities

Supervisor Recognition Number: NA

Ph.D. Scholar Details

S.No.	Name of the scholar	Registration details	College	Status
-	-	-	-	-

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramakrishna Institute Of Technology	Assistant Professor	06.06.2019	-	4	5	18
Total				4	5	18

Industrial Experience

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
-	-	-	-	-	-	-	-
Total					-	-	-

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2023-2024	III	20ME004	Fluid Mechanics and Machinery	T	-
2023-2024	III	20ME007	Mechanics of Materials and Fluid Machinery Laboratory	L	-
2023-2024	VII	20ME006	Quality Management	T	-
2023-2024	I	20MEG02	Engineering Workshop	L	100
2022-2023	VIII	UCEE014	Prefabricated structures	T	100
2022-2023	VIII	UCEC022	Final Year Project (Phase – II)	L	100
2022-2023	II	20MEG02	Engineering Workshop	L	100
2022-2023	II	20CEG01	Engineering Mechanics	L	80
2022-2023	VII	UCEC020	Integrated Design Project (Phase – II)	L	100
2022-2023	VII	UCEE009	Housing Planning and Management	T	92
2022-2023	VII	UCEC106	Basics of Structural Dynamics and Earthquake Resistant Structures	T	85
2021-2022	VII	UCEC019	Estimation and Quantity Surveying	T	100
2021-2022	III	PCEE010	Energy Conservation Techniques in Building Construction	T	100
2021-2022	VI	UCEC017	Integrated Design Project (Course Work)	T	100
2021-2022	VI	UCEC018	Integrated Design Project (Practical)	L	100
2020-2021	VI	UCEE009	Housing Planning and Management	T	100
2020-2021	II	PCEE007	Project Planning and Control	T	100
2020-2021	II	PCEC008	Construction Regulations and Control	T	100
2020-2021	VII	UCEE012	Ground Improvement Techniques	T	100
2020-2021	V	UCEC023	Survey Camp	L	100
2020-2021	I	PCEC004	Project Formulation and	T	100

			Appraisal		
2020-2021	I	PCEE001	Shoring Scaffolding and Formwork	T	100
2020-2021	III	PCEE010	Energy Conservation Techniques in Building Construction	T	100
2019-2020	VI	UCEE009	Housing Planning and Management	T	100
2019-2020	VI	UCEC018	Integrated Design Project (Practical)	L	100
2019-2020	II	PCEC010	Advanced Computer Techniques Laboratory	L	100
2019-2020	VII	CE6006	Traffic Engineering and Management	T	86
2019-2020	I	PCEC004	Project Formulation and Appraisal	T	100
2019-2020	III	PCEE010	Energy Conservation Techniques in Building Construction	T	100

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2022-2023	VIII	A study on management and control of onsite construction equipment	UG
2022-2023	VIII	Assessment of energy conservation in residential and commercial building	UG
2022-2023	VIII	A study on analyzing the effects of inflation in construction industry and its remedial measure	UG
2022-2023	VIII	Study of implementation of smart city projects in Indian context	UG
2022-2023	VII	Planning, Analysis and Design of G+1 Residential Building	UG
2022-2023	VII	Planning, Analysis and Design of Industrial Building	UG
2022-2023	VII	Planning, Analysis and Design of Commercial Building	UG
2022-2023	VII	Planning, Analysis and Design of G+2 Residential Building	UG
2021-2022	VIII	Key Attributes for Successful Leadership in Construction Industry.	UG
2021-2022	VII	Planning Analysis and Design of Library Building.	UG
2021-2022	IV	Influence of Time and Resource Constraints in Indian Construction Industry.	PG

2021-2022	IV	Study of Material Waste minimization and Reuse Management	PG
2021-2022	IV	Energy Conservation in Residential Buildings.	PG
2020-2021	VIII	Investigation of Factors Influencing Cost Analysis on Completion of the Project.	UG
2020-2021	VIII	Investigation of factors influencing rework in construction	UG
2020-2021	VII	Planning, Analysis and Design of G+2 Residential Building	UG
2019-2020	VIII	Experimental study on fired clay bricks using rice husk.	UG
2019-2020	VIII	Temperature monitoring on concrete Specimen by using embedded sensor (River sand, P-sand, M-sand)	UG
2019-2020	VII	Planning Analysis and Design of G+3 Residential Building.	UG
2019-2020	VII	Planning Analysis and Design of Library Building.	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	1	1
Conferences	0	1

Journal Publications (IEEE format)

- S.Sakthi Murugan, S.Sakthi Murugan, “Sustainability of Indian Water Tariff System” IWRA (Technical Journal of Indian Geographical Committee) Volume – 9, Issue 1,99, Page No. 44-47, January 2020.
- S.Sakthi Murugan, R.Sudharshan, “Strength of Concrete Containing Rubber as partial Replacement of Coarse Aggregate” International Journal of Recent Technology and Engineering (IJRTE) Volume-9 Issue-1, May 2020. Page No.:2061 – 2063.

Conference Publications (IEEE format)

- Dr.K.Murali, K.Sambath, R.Sudharshan, “Prefabrication as a sustainable solution to improve Productivity of construction industry” second National Conference on Special Concrete , 23-24 March 2023. Page No : 305-313.

Books / Book Chapters (IEEE format)

NA

Patent

Design Patent: DE-FLUORIDATING UNIT FOR GROUNDWATER REMEDIATION

Members: Dr. K.MURALI Dr. K.SRINIVASAN Mr. M.SUDHARSANAN,
Mr.R.SUDHARSHAN, Mr. K.SAMBATH

Design No.: 392313-001, dated 09.08.2023

Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration
-	-	-	-

Consultancy

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
-	-	-	-	-

Workshops / Seminars attended

- All India Seminar on “Modular Construction”, organized by IE(I), Coimbatore Local Centre, in association with Department of Civil Engineering, Hindusthan College of Engineering and Technology during 29.12.2022 to 30.12.2022.
- One day Online Workshop on “Academic Research and Publishing in High-Quality Journals” Conducted by Centre for Research, Anna University.
- One Day Online Workshop on “Thesis Writing and Patent – Filing” organized by Centre for Research, Anna University, Chennai – 25 on 14.09.2022.
- Two days Seminar on “Fundamentals and Applications of Textile Reinforced Concrete Construction in India” organized by Dr.Mahalingam College of Engineering and Technology from (28.10.2022 to 29.10.2022)
- Two Day Workshop on “MS Project” Conducted by PSG Institute of Technology and Applied Research on 17 & 19th August 2019.
- CSI Sponsored One Day National Level Workshop on “OUTCOME BASED EDUCATION” on 18th June 2019.

Faculty Development Program attended (from recent)

- Attended 5 day Management Development Programme on “Project Management for Organizational Excellence” organized by VIT Chennai from (28 Nov to 02 Dec-2022).

- Attended One Week Short Term Course (STC) on “Innovative Construction Techniques” from (14 Nov-18 Nov 2022) organized by Sreenidhi Institute of Technology, Hyderabad in association with Centre for Continuing Education (CEC), National Institute of Technology, Warangal.
- FDP on “Computer Diligence in Civil Engineering and Applications” sponsored by Ministry of Electronics and Information Technology (Meity) GoI, organized by E&ICT Academy, NIT Warangal and Sreenidhi Institute of Science and Technology, Hyderabad.
- ATAL FDP – Innovation in Civil Engineering Materials & Techniques for Sustainable Development – NIT Silchar.
- ATAL FDP – Application of Sustainable Construction Engineering for Enhancing Durability of Existing Structures. – Visvesvaraya National Institute of Technology.
- AICTE – One Week STTP - A Beeline for Circular Economy through Sustainable Waste Management – K.S.R. College of Engineering.
- ATAL FDP - Smart Cities-Infrastructure & Sustainability – IIT Ropar.
- Hyperspectral Remote Sensing – National Remote Sensing Centre (NRSC) .
- One Week STTP – Intellectual Property Rights and Effective Patent Drafting – Kumaraguru College of Engineering.
- AICTE – One Week STTP – Low Carbon Energy Buildings (Phase-III) – Mahendra Engineering College.
- AICTE – One Week STTP - Application of Remote Sensing in Soil and Groundwater Contamination Assessment – Sri Krishna College of Engineering and Technology.
- TEQIP III - Recent Trends in Structural Engineering – GCT, Coimbatore.
- Fiber Reinforced Concrete and it’s Applications – National Institute Of Technology, Karnataka.

Events Organized (from recent)

Workshops

- Online Workshop on “Strategies for Open Book Examination”
- Fiber Reinforced Concrete and its Applications
- One day Workshop on Primavera
- Hands on Training in MSP Software for Project Management

Seminars

- Online Seminar on “How to become a Successful Entrepreneur” in association with IIC.
- Expert Talk on “Geophysical Methods in Soil Exploration”

- Expert Talk on “Practice makes perfect as Civil Engineer towards Modernization of Construction Industry”.
- Expert Talk on “Covid 19 & Construction Industry”
- Online Seminar on Value Engineering.

Online Courses Completed

Sl. No.	Title	Platform
1	Scheduling Techniques in Projects	NPTEL
2	Plastic Waste Management	NPTEL
3	Managing Building Adaptation: A Sustainable Approach	edX
4	AICTE Mandatory Course - Module 1 - Orientation towards Technical Education & Curriculum Aspects.	Swayam
5	Fundamentals of GIS	Coursera
6	Renewable Energy and Green Building Entrepreneurship	Coursera
7	Air Pollution - A Global Threat to our Health	Coursera
8	Introduction to Indoor Air Quality	Coursera
9	Introduction to Sustainability	Coursera
10	Sports and Society	Coursera
11	Introduction to Faecal Sludge Management	Coursera
12	Greening the Economy : Sustainable Cities	Coursera
13	Initiating and Planning Projects	Coursera
14	AICTE Mandatory Course - Module 2 - Professional Ethics and Sustainability	Swayam
15	AICTE Mandatory Course - Module 3 - Communication Skills, Modes & Knowledge Dissemination	Swayam

16	AICTE Mandatory Course - Module 4 – Instructional Planning and Delivery	Swayam
17	AICTE Mandatory Course - Module 5 – Technology Enabled Learning and Life-Long Self Learning	Swayam
18	AICTE Mandatory Course - Module 6 – Student Assessment and Evaluation	Swayam

Awards and Recognitions Secured

- Won Gold Medal for Project “Sustainable Building Materials” in International Innovation, Creativity & Technology Exhibition (i2Create 2021) organized by Universiti Malaysia Perlis, Malaysia.
- Won Bronze Medal in Research projects in International Virtual Expo of Innovation Product and System Design (In-ViDE- 2022) , organized by UniMAP, Malaysia.

Self-appraisal

Major Strengths

- Desire to learn
- Team Man
- Adaptability

Major Weakness

- Procrastination
- Over Thinker
- Time Management

Signature