

Dr. SAGART S

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Education

	Degree	Year	Institute	Specialization
1	B.Arch	2009	Siddaganga Institute of Technology, Tumakuru	-
2	M.Arch	2011	R V College of Architecture, Bengaluru	Urban Design
3	Ph. D	2022	Jawaharlal Nehru Architecture and Fine Arts University, Hyderabad	Urban & Regional Planning

Professional Experience

	Date (from-to)	Designation	Organization
1	22.08.2011 to 31.07.2017	Associate Professor	Siddaganga Institute of Technology, Tumakuru
2	01.08.2017 till date	Assistant Professor	Siddaganga Institute of Technology, Tumakuru

Positions held

Sl No.	Responsibility	Tenure
1	Cultural Committee Coordinator	September 2021- Till date
2	IQAC Coordinator	October 2023 – Till date
3	ISO Internal Auditor	2018 – Till date
4	Coordinator – SPIC MACAY	2019 – Till date
5	Member, Students' Welfare Committee	2021- Till date
6	Member, Institute Innovation Council	2022- Till date
7	Member, Institute Library Committee	2023 – Till date
8	Member, Academic Council	2024 – Till date
9	Member, Institute Ethics Committee	2024- Till date
10	Member, BoS – SOA SIT	2017 – Till date
11	Member, BoE – SOA SIT	2017 – Till date
12	Convenor, DPEC – SOA SIT	2017 – 2025

13	COA Approval data compilation	2018- Till date
14	Student Activities/ competitions/ NASA unit	2017-2021
15	Convenor, Advisory Board – SOA SIT	2021- Till date
16	SPARCC – Consultancy cell coordinator	2021- Till date

Affiliations of Professional organizations

- Registered with Council of Architecture (CA/2011/52812)
- Life Member, INTACH Bengaluru Chapter
- Fellow – The Indian Institute of Architects (IIA)
- Fellow – Institute of Urban Designers India (IUDI)

Awards and Honors

- Design proposal for Dr. Ambedkar National Memorial, 26, Alipur Road, New Delhi was **shortlisted top ten entries** at the National competition floated by Government of India in 2011.
- Winner of **Best vision Statement for Smart City Tumakuru** with One Lakh cash award by Tumkur Municipal Corporation, Smarts Cities Mission, Gol.
- **Best Research paper award** at NIATSUS-ABILITY National Conference on Sustainability held at Dr. MGR Educational & Research Institute, Chennai.
- **A3F Teacher Award** by A3Foundation - Chandigarh for excellence in Architectural education, on 19th November, 2016.
- **TOP - 5 Mentors Award** by Sqr Factor India Pvt. Ltd for mentoring the highest number of student entries shortlisted among top 20 at the national level competition titles 'Envisioning Gwalior Trade Fair' on 20th August , 2016.
- **Vocational Excellence Award** for service in the field of Art & Architectural education from Rotary Tumkur
- **International Youth Award** at 8th International Kannada and Culture Convention held at Manama, Bahrain, in November, 2011.
- **District Republic Day Youth award** by Tumkur District Administration on 26th January, 2014.
- **Best Mentor, AYDA INDIA 2017** by Asia Young Designer Awards 2017 for mentoring and promoting students to participating in national and international competitions.
- **Runner -up** at COA-USRP project with cash award of Rs.75,000/-
- **Best Paper Award** at the International Conference on Built Environment and Beyond, held on 18th & 19th February 2026 at IIT Bombay.
- **Best Paper Award** at the International Conference on Sustainability- led Transformation in Business and Society, held on 25th -27th, February 2026 at Christ Deemed to be University, Bengaluru.

Courses Taught

Undergraduate Courses

- Architectural Design
- Theory of Architecture
- History of Architecture
- Sociology & Building Economics
- Building Services (Acoustics)
- Urban Planning
- Vernacular Architecture
- Green Buildings

Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion
1	Ar. Tilottama Anup Padale	Study and analysis of factors influencing community engagement in affordable housing projects in urban areas	Ongoing
2	Ar. Chandrika C Salimath	Assessment of daylight factor in Architectural studios for achieving visual comfort	Ongoing
3	Ar. Pavanika Anandkumar Patil	Exploring the role of artificial intelligence in urban streets – a framework for safe and inclusive streets	Ongoing
4	Ar. Tejaswi N H	Impact of urbanization on evolution of housing design and sustainability in Indian smart city	Ongoing
5	Ar. Arif Maadabhavi	Rejuvenation of Historic urban public places of Vijayapur	Ongoing

Research Areas

- Urban Street Character Assessment & Enhancement
- Urban Heritage documentation, assessment and management
- Non-intrusive heritage documentation and condition assessment

Sponsored Projects

Completed Projects:

1. Title: Mission Amrit Sarovar- Jal Dharohar Sanrakshan (MAS-JDS) – Ane Bavi, Fort Madhugiri
Funding Agency: AICTE -NEAT
Amount: INR 2,00,000/-
Duration: One year (2022)

Role: Principal Investigator & INO

2. Title: Advanced non-intrusive techniques for damage detection and deformation analysis of Heritage monuments using TLS, photogrammetry, and 3D surface analysis
Funding Agency: CCRT-JRF
Amount: INR 2,40,000/-
Duration: Two years (2023-25)
Role: Principal Investigator & INO

3. Title: Typo-Morphological Analysis of Building And Street Elements Contributing to Streetscape Character of Mixed use Commercial Streets - Case of Bengaluru
Funding Agency: COA USRP
Amount: INR 1,00,000/-
Duration: Two years (2022-24)
Role: Principal Investigator

Publications

Sl. No.	Papers published in journals
1	Understanding the Fort and its Built Heritage in Pavagada of Tumakuru District in Karnataka, Vivek C.G. Sagar T.S., Civil Engineering and Architecture, Volume 10, Year 2022, Pages 2013-2022
2	Deciphering the Principles of Sustainable Village through Gandhi's Gram Swaraj, Aishwarya T N, Sagar T S, International Journal of Science and Research (IJSR), Volume 11 Issue 5, May 2022, Year 2022, Pages 1662 – 1668 (Co-Author: Student)
3	Evaluating The Application of Computational Tools to Generate Bio-Structures Using Bio-Digital Architecture, Dr. Sagar T S, Bhoomika U, Vaishnavi D Chavan, African Journal of Biomedical Research. 27. 5116-5122. 10.53555/AJBR.v27i4S.4553.
4	A simulated study of the use of building integrated photovoltaics technology in building envelope retrofit for energy efficiency. Dr. Sagar T S, Prateek S, YMER ISSN: 0044-0477, volume 23 : issue 12 (dec) – 2024 (Co-Author: Student)
5	Role of built environment in shared micro-mobility adoption within TOD zones in Bengaluru. Tejaswi N H, Dr. Solanki ghosh, Dr. Sagar T S, Journal of Dalian University of Technology ISSN: 1000-8608, Volume 32, Issue 8, 2025
6	Nature-Inspired Design Solutions for Passive Cooling Systems, Sagar T S, Lingaraj K C, J INFORM SYSTEMS ENG, Volume 9, Issue 4, https://doi.org/10.52783/jisem.v9i4.100 (Co-Author: Student)
7	Sagar T S, & Dushyanth DM. (2025). Application of space syntax to assess walkability and pedestrian network potential on university campuses: a case study. International

	Journal of Applied Engineering & Technology, 5(4), 5066–5076. https://doi.org/10.5281/zenodo.17111593 (Co-Author: Student)
8	Analysis of Walkability on Mixed-Use Urban Streets Utilizing Space Syntax Methodologies: A Case Study of Field Marshal Cariappa Road, Tumakuru, Sagar T S, Mohammed Gulam Mahaboob, International Journal of Intelligent Systems and Applications in Engineering IJISAE, 2024, 12(4), 5868–5875 (Co-Author: Student)
9	Sagar T S, Vivek Appu G (2024). Visibility Evaluation Of Open Space Vs. Building Arrangement Using Simplified Area Evaluation Technique, Educational Administration: Theory and Practice, 30(1)7624-7628Doi:10.53555/kuvey.v30i1.10794 (Co-Author: Student)
10	Application of Mobile Phone 3D LiDAR Scanning and BIM in Heritage Documentation: A Case Study, Sagar T S, Punith S L, J.Electrical Systems 19-4(2023):650-661 (Co-Author: Student)
11	Sagar T S, Tanuj Kumar G S (2024). Socio-Cultural Determinants of Kodava Ainmanes: A vernacular study, Educational Administration: Theory and Practice, 30(1)7624-7628Doi:10.53555/kuvey.v30i1.10794 (Co-Author: Student)
12	Understanding Mobility Patterns And Mode Choice In Shared Micro-Mobility Access To Bengaluru Metro Stations Within T.O.D Influence Zones. Tejaswi N H, Sagar T S (2025). International Journal of Environmental Sciences, 4957-4969. https://doi.org/10.64252/489vjg37 (Co-Author: Research Scholar)
13	3D Photogrammetry for monitoring architectural deterioration: Insights from the Chennigaraya Temple. Sagar T S, Harshini M (2025). International Journal of Environmental Sciences, 4957-4969. https://doi.org/10.64252/489vjg37 (Co-Author: Student)
14	Typo-morphological approach to explore public perception of spacio-physical attributes contributing to Urban Identity of Indian Commercial streets: Case of Sampige Road, Malleshwaram, Bengaluru, Sagar T S, International Journal of Scientific & Engineering Research, Volume 11, issue 3, Year 2020, Pages 1679-1682
15	Housing typologies of Anegundi: A historic settlement of Hampi World Heritage Site, Sagar T S (2017). Journal of Council of Architecture, Fall 2017, Pages 81-94

Conference Proceedings

Sl no.	Paper Title	Authors	Conference
1	Street Identity Assessment Model: Analysis of Spacio Physical Attributes of Street Elements to Assess Place Identity - Case of Sampige Road, Malleshwaram, Bengaluru	Dr. Sagar T S	National Conference on Sustainability in Architecture, Planning and Technology 2020 organized by Bharati

			Vidyapeeth's (Deemed to be University) College of Architecture, Pune on 25th and 26th August 2020
2	Condition assessment of Universal Accessibility parameters in Integrated Bus terminals: Case of South Karnataka	Dr. Sagar T S, Puja N, Naveen Kishore Khambadkone	Euro-Mediterranean Conference for Environmental Integration (EMCEI-24), held in Marrakech, Morocco, 15–18 May 2024
3	An investigation into effective Storm water management techniques adopted at Hill Forts of Post-Vijayanagara Period in Karnataka: Case of Chitradurga Fort	Dr. Sagar T S, Karthik Kashyap T S	Euro-Mediterranean Conference for Environmental Integration (EMCEI-24), held in Marrakech, Morocco, 15–18 May 2024
4	Comparative evaluation of thermal performance of conventional and alternative building envelope materials on the air conditioning cooling load for a residential building	Naveen Kishore Khambadkone, Sagar T S, Madhumathi P, Gautam N, Shantharam Patil	Euro-Mediterranean Conference for Environmental Integration (EMCEI-24), held in Marrakech, Morocco, 15–18 May 2024
5	Assessment of Universal design elements in mixed use integrated transit terminals: Case of Bengaluru	Dr. Sagar T S, Prajwal D S	Emerging Trends and Sustainable Developments in Civil Engineering (ETSDCE-2k23)
6	Review of streetscape characteristics of mixed use commercial streets contributing to adaptive street environment: Case of Sampige Road, Malleshwaram, Bengaluru	Dr. Sagar T S	National e-conference 2021-Transcending Habitats- Co-emergence of resilience and adaptation from 23 rd to 25 th Nov, 2021. ISBN 978-81-951985-7-3

7	Comparative analysis of indigeneous place making strategies of planned medieval Indian cities contributing to strong sense of place	Dr. Sagar T S, Sayeda Irum Safir	International conference on Inclusive and Resilient Cities, for safe and sustainable future. ISBN – 978-93-92403-04-0
8	The analysis of Flood situation along the ghataprabha river banks, Karnataka	Dr. Sagar T S, Sameeksha K S	International conference on Inclusive and Resilient Cities, for safe and sustainable future. ISBN – 978-93-92403-04-0
9	Bamboo as steel reinforcement alternative- cost comparison of bamboo and steel reinforcement slabs	Bharath S, Dr. Sagar T S	International Conference on Sustainable Materials, Manufacturing & Industrial Engineering – ICSMMIE-2022
10	Generative design tools to validate feasibility of using bamboo for rcuated roofs for application in bus shelter design	Sujay V, Dr. Sagar T S	International Conference on Sustainable Materials, Manufacturing & Industrial Engineering – ICSMMIE-2022
11	Typo-morphological approach to decipher the spatial attributes of elements affecting urban identity: case of Avenue Road, Bengaluru	Sagar T S, Dr. V Phanisree	National Conference on Sustainability in Built Environment (NCSBE-2018)

Patents

Sl. No	Granted Date	Type	Title	Inventor Name/s
1	06-03-2025	Design	Passive cooling device for building	Dr. Sagar T S, Ar. Lingaraj K C
2	30-07-2025	Design	Modular indoor microfarm and gardening System	Dr. Sagar T S,

				Ar.Chandrika C Salimath, Dr. K C Tanuja
3	01-08-2025	Utility (published)	A modular smart urban furniture system and a method thereof	Dr. Sagar T S, Ms. Hajira S
4	08-09-2025	Design	Smart Housing Block	Dr. Sagar T S, Ar.Chandrika C Salimath, Dr. K C Tanuja

Invited Lectures, talks and workshops

- Sustainable Redevelopment of Mining Towns – Case of KGF, Karnataka’ at 4th National Urban Design Education Colloquium 2012 organized by Institute of Urban Designers India at SPA, New Delhi on 30th and 31st March, 2012.
- ‘Designing Urban Design Studio’ at Regional Faculty Induction Programme organized by COA- NIASA at Satyabhama University, Chennai on 7th April, 2015.
- ‘Confidence in Classroom – Inquiry into effective teaching methods of Architectural theory’ at Regional Faculty Induction Programme organized by COA- NIASA at Siddaganga Institute of Technology, Tumkur on 14th July, 2015.
- ‘After the Masters – Applying the Formal Vocabulary Model of Design thinking’ at Faculty Induction Programme organized by COA- NIASA held at Pune, on 29th July, 2015.
- ‘Sharing Experiences of Housing Studio Design methodology’ at Regional Faculty Induction Programme organized by COA- NIASA at Dr. D Y Patil College of Engineering & Technology, Kolhapur, on 26th November, 2015.
- Maxims of Teaching at Regional Faculty Induction Programme organized by COA- NIASA at Holy Crescent College of Architecture, Alwaye, Kerala, on 6th January, 2016.
- Design Pedagogy and sharing experiences at Regional Faculty Induction Programme organized by COA- NIASA at Integral University, Lucknow on 10th March, 2016.
- Design Pedagogy and sharing experiences at Regional Faculty Induction Programme organized by COA- NIASA at Dayanand Sagar Academy of Technology and Management on 1st April, 2016.
- Design Pedagogy and sharing experiences at Regional Faculty Induction Programme organized by COA- NIASA at Dayanand Sagar Academy of Technology and Management on 1st April, 2016.
- Design Pedagogy and sharing experiences at Regional Faculty Induction Programme organized by COA- NIASA at Amity University, Kolkata on 22nd April, 2016.

- Design Pedagogy and sharing experiences at Regional Faculty Induction Programme organized by COA- NIASA at Pune 27th June, 2016.
- Design Pedagogy and sharing experiences at International Faculty training Programme organized by COA- NIASA at Amity University Dubai, between 6th to 10th February, 2017.
- Imitation v/s Inspiration: A step towards INNOVATION in Design, a two day workshop conducted at SVS School of Architecture, Coimbatore on 21st and 22nd March, 2017.