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### Education

S. No	Degree	Year	Institute	Specialization
1	SSC	1977	Board of Secondary Education, Karnataka	Maths + Science + Social+ 3 language
2	10+2	1979	Government Science College, Karnataka	Maths+Phy+Chem-
3	B. E.	1984	SSIT, Tumkur	Civil Engg.
4	M.E.	2002	UVCE, Bangalore,	Prestressed Concrete Str.
5	Ph. D	2011	VTU, Belgaum	Earthquake Engineering

### Professional Experience

	Date (from-to)	Designation	Organization
1	19-01-2026 To Till Date	Professor	Siddaganga Institute of Technology
2	June 2023 – Nov. 2024	Professor	Siddaganga Institute of Technology
3	Jan 2011 – June 2015	Principal & Professor	HMSIT, Tumkur
4	Aug 1988 – 2011 (Lean 8.5 years)	Ass. Professor	Siddaganga Institute of Technology
5	May 2015 - 2023	Company QC Manager	Azmeel Contracting Company, KSA
6	Nov. 2008 – Sept. 2009	Vice President	Ozone group, Developers, Bangalore
7	July 2007 – Nov. 2008	Deputy General Manager	Mantri Developer, Bangalore
8	Jan 2007 – July 2007	Sr. QA/QC Manager	Pivot Engineering & Contractors, Abu Dhabi, UAE
9	Mar 2005 – Jan 2007	Chief Engineer (Burj Khalifa Tower)	Samsung Corporation JV, Dubai, UAE
10	Jan 2004 – August 2006	QA/QC Manager	Granite Construction Company, Abu Dhabi, UAE
11	Mar 1996 – Feb 1998	Sr. QA/QC Engineer	Mitsui Engineering & Shipping Japan, Kuwait

Jan 1995 – Feb 1996	Sr. Structural Design Engineer	Dar Al Riyadh Consultants, KSA
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#### Positions held

(Please give details of any administrative posts, co Ordinator roles/ responsibilities held)

1. **QA/QC Manager** – Managing a large group of QC team at office & Site
2. **Company QC Manager** – Managing 687 QC Engineers in 37 Projects across KSA and meetings with Clients including: ARAMCO, Royal Commission, MARFIQ, Military Engineering and Private clients like EMMAR, RIYADHA etc.
3. **Chief Engineer, Burj Khalifa** – Managing QA/QC Engineers at site and attending meetings with Clients EMMAR, Turner International and Hyder Consultants and Dubai Municipality etc.
4. **Vice President** – Managing QC department pan India Projects.
5. **Deputy General Manager** - Managing QC department pan India Projects.
6. **Principal** – Handling all the Institutes Department Day to day functions, conducting Examinations and attending Management meetings, interaction with VTU etc.,

#### Affiliations of Professional organizations

- Member **Saudi Council of Engineers, Saudi Arabia**
- Life Member **Indian Institute of Engineers, India**
- Life Member **Indian Concrete Institute, India**
- Life Member **Institution of Engineers.**
- Life Member **Indian Society for Technical Education.**
- Life member **Kannada Nudi, Kannada Sahitya Parisith, Karnataka**

#### Awards and Honors

- **Best Engineer & Safety Man of the Month**, Samsung Corporation, Burj Dubai Tower, Dubai
- **Commendation certificate** from SIT, Tumkur for not availing a single day CL for 7 years: 1995, 1998, 1999, 2000, 2001, 2002, 2003
- **Best Student award** – Post Graduate Diploma in Computer Applications
- **Commendation Certificates for conducting Free Coaching Classes:** 2008-09, Sept 2003
- **Kannada Rajyotsava Life Time Achievement Award**, Mayura Kannada Vedike, Tumkur, Nov,2013
- **Dr. Abdul Kalam Life Time Achievement Award**, International Institute for Social and Economic Reforms, Bangalore, 25<sup>th</sup>, July 2014
- **Trojena Supervising Safety (Black Hat) 10, April 2025, KSA**

## Courses Taught

### Undergraduate Courses

- Engineering Mechanics
- Strength of Materials
- Structural Analysis - I
- Structural Analysis - II
- Reinforced Concrete Design- I & II
- Design of Steel structures
- Introduction to Civil Engineering
- Analysis of Indeterminate Structures
- Analysis of Determinate Structures
- QA/QC in Civil Engineering
- Building Structures – I
- Building Structures & Behaviour– II
- Building Structures & Behaviour– IV
- Building Structures & Behaviour– VI
- Structural Analysis - III

### Postgraduate Courses

- Project Management
- Construction Project Management
- QMS in Civil Engineering
- Structural Design Lab

## Research Guidance

- NIL

## Research Areas

- Structural Engineering, QMS, CPM, Concrete, HSC, HSSCC, AI applications, Health monitoring, International Project Case Studies etc.

## Sponsored Projects

- NIL

## Publications

### Journals

Refereed International Journals/Editorials – 17 nos.

Refereed National Journals – 01 no.

## Recent Publications:

- D Prasad, D. R. P., Siddesha, H., Emani, P. K., & Sharma, H. D. (2024). Machine Learning Regression and Optimal Neural Network Models for Prediction of Compressive Strength of High Strength Self-Compacting Concrete-A Comparative Study, Structural Engineering and Mechanics, Vol. 95, No. 4 (2025) 263-279, <https://doi.org/10.12989/sem.2025.95.4.263>
- , Siddesha Hanumanthappa,D.S. Rajendra Prasad et. Al. Investigation on partial replacement of cement with coconut shell ash and coarse aggregate with coconut shell with the addition of steel fibers, Structural Engineering and Mechanics, Vol. 93, No. 2 (2025) 125-134, <https://doi.org/10.12989/sem.2025.93.2.125>

## Conference Proceedings

Referred International Conferences - 21

Referred National Conference – 22nos

## Recent Publications:

- Burj Khalifa – An Iconic Sustainable Mega Tall Tower, D.S. Rajendra Prasad, Siddesha H , Pavan Kumar Emani , NHCE, Manipal University, March 2026
- Sustainable Concrete with GGBS as partial replacement for Cement and PVC Granules for Fine Aggregates, NHCE, Manipal University, March 2026

## Book Chapters

- NIL

## Books

- Total 28 nos.

1.	<b>Quality Management System in Civil Engineering ISO 9001: 2000</b> Sapna Book House, Bangalore, 2 <sup>nd</sup> Print, 2008.
2.	<b>A Computer laboratory Referral for Engineering and Diploma Students:</b> Orient Longman, [Universities Press], Hyderabad, 2000.
3.	<b>Visual Basic – A Simple Approach:</b> Sapna Book house, Bangalore, 5 <sup>th</sup> print, 2008.
4.	<b>Basics of Computers and Programming in C [For Diploma Students]:</b> Sapna Book House, Bangalore, 1999.
5.	<b>A Referral on CAD – Laboratory [for Mechanical Engg students]:</b> Sapna Book House, Bangalore, 4th print, 2003.
6.	<b>Basic Computer Skills:</b> Sapna Publications, Bangalore, 6 <sup>th</sup> print ,2005.
7.	<b>Referral on CAD – Laboratory [For Civil Engg. students]:</b> Sapna Book House, Bangalore, 4th Edition, 2005.
8.	<b>Computer Concepts &amp; Programming in C:</b> Himalaya Publication. Bangalore, 2003.
9.	<b>Object Oriented Programming with C++:</b> Himalaya Publn., Bangalore, 2002.
10.	<b>Programming in C Language:</b> Sapna Book house, Bangalore, 2004
11.	<b>Basics of Computers &amp; Computer Organization:</b> Sapna Book house, Bangalore, 2003
12.	<b>Design of Steel Structures:</b> Sapna Book house, Bangalore, 2010
13.	<b>Quality Management System in Civil Engineering ISO 9001:2008:</b> Sapna Book House, Bangalore,
14.	<b>A Simple Approach to Project Management,</b> Sapna Book House, Bangalore, 2011
15.	<b>Computational Structural Mechanics – A Matrix Approach,</b> Sapna Book House, Bangalore, Nov, 2011

16.	<b>Structural Analysis - I – A Simple Approach</b> , Sapna Book House, Bangalore, June, 2012
17.	<b>Engineering Mechanics – A Simple Approach</b> , Sapna Book House, Bangalore, Jan, 2012
18.	<b>Structural Analysis - II – A Simple Approach</b> , Sapna Book House, Bangalore, May, 2013
19.	<b>C Programming</b> : Sapna Book house, Bangalore, 2013
20.	<b>Design and Drawing of Steel Structures</b> : Sapna Book house, Bangalore, 2014
21.	<b>Elements of Civil Engineering and Engineering Mechanics</b> , Sapna Book house, Bangalore, 2015
22.	<b>ISO 9001:2015 Quality Management Systems – Implementation</b> , Sapna Book house, Bangalore, 2016
22.	<b>Analysis of Determinate Structures</b> , Sapna Book house, Bangalore, 2017
23.	<b>Analysis of Indeterminate Structures</b> , Sapna Book house, Bangalore, 2017
24.	<b>Design of RC Structural Elements</b> , Sapna Book house, Bangalore, 2017
25.	<b>Design of Steel Structural Elements</b> , Sapna Book house, Bangalore, 2018
26.	<b>Construction Management and Professional Ethics</b> , Sapna Book house, Bangalore, 2018
27.	<b>Design of RCC and Steel Structures</b> , Sapna Book house, Bangalore, 2018
28.	<b>Analysis of Determinate Structures, Evince Publications, 2021</b>

#### Editorial

- ATLAS annual magazine of CED, SIT.

#### Editor/ Reviewer of Journal

##### Reviewer

- Institution of Civil Engineers (ICE), UK
- Computers and Concrete
- International Journal of Journal of Science and Technology
- SCIENCEDOMAIN international Journal
- Saudi Councilors of Engineer
- Institution of Engineers (IEI), India
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#### Patents

- NIL

#### Invited Lectures, talks and workshops

##### Invited Talks:

“Precision and Performance – Quality Engineering for Large scal Project, University of Technology and Science, OMAN, 14<sup>th</sup> November, 2025

Burj Khalifa: Architectural Brilliance, Supreme Quality, Safety, and Structural Excellence NMIT, Bangalore, 4<sup>th</sup> July 2024

“QUALITY AND CONSTRUCTION OF BURJ KHALIFA TOWER, DUBAI”, SIT, Tumkur, 5<sup>th</sup>, March, 2022

“GOOD PRACTICES IN CONSTRUCTION”, SJBIT, Chickkabalpur, 19, August, 2019

“Burj Khalifa Tower Construction and Quality”, REDECON, International Conference on Tall Structures, Invited Speaker. November 9<sup>th</sup> 12<sup>th</sup>, 2016, Bangalore.

“QUALITY AND CONSTRUCTION MANAGEMENT OF BURJ KHALIFA TOWER, DUBAI”, JSSIT, Bangalore, 29<sup>th</sup>, Oct, 2013

**Special Guest Lecture on**

“CONSTRUCTION OF BURJ KHALIFA TOWER, DUBAI”, BIT, Hindupur, AP, Jan, 2014

“ DESIGN OF HIGH STRENGTH CEMENT SAND MORTAR “, Saudi Council of Engineers, August 2015, Dammam, Saudi Arabia

“ QUALITY IN CONSTRUCTION- A NEW TREND”, Saudi Council of Engineers, Feb, 2016, Dammam, Saudi Arabia