



# DASARI KARTHIK

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## EXPERIENCE

Academia / Research

3 years

Industry

3 years

## ABOUT ME

Ambitious civil engineering professional and researcher aiming to leverage my industrial, academic teaching and research experience in thesis advisement and lesson planning in academics. Focussed on developing dynamic teaching methods by integrating industrial need.

## EXPERTISE

Productivity Measurement  
Construction Management  
Building Information Modelling  
Contracts Management  
Alternate Dispute Resolution

## SOFTWARES

Microsoft Project  
Primavera  
Autodesk Revit  
ArcGIS  
StaadPro  
SAP  
AutoCAD  
SDS/2

## ♥ TO TEACH

Project Planning & Management  
Building Information Modelling  
Building Materials & Const.  
Estimation and Costing  
Building Drawing  
Surveying

### ◆ 04/2021 – Present

Assistant Professor at NIT Srinagar  
Teaching, R&D, Industrial Consultancy

### ◆ 11/2020 – 04/2021

Assistant Professor at K L Deemed to be University  
Courses Handling: BIM, Cons. Planning & Management

### ◆ 12/2019 – 11/2020

Research Assistant - Freelancer  
Under Prof. C. B. Kameswara Rao, NIT Warangal  
Project: A Novel means of anchorage for reinforcing bars in reinforced concrete members.

### ◆ 07/2019 – 12/2019

Assistant Professor Adhoc at NIT Warangal  
Courses Taught: Engineering Mechanics, Material Testing Laboratory, Quality Control Laboratory

### ◆ 12/2014 – 05/2015

Assistant Professor Adhoc at NIT Warangal  
Courses Taught: Contract Management and Arbitration, Project Planning and Management, Environmental Studies, Building Drawing Lab

### ◆ 06/2014 – 12/2014

Project Manager at Sumashaila Developers, Hyderabad  
Coordinated and monitored the work progress for a 10-acre residential gated community with project value of about 150 crores.

### ◆ 06/2013 – 06/2014

Planning Engineer at Afcons Infrastructure Pvt Ltd, Kolkata  
Worked for Kolkata Metro Rail Project (Value 230 crore). Two Key Responsibilities Handled Client Billing (Submission of client RA/Final Bill) & Coordinating with site and various other departments for timely inputs.

### ◆ 06/2010 – 11/2010

Steel Detailer at BSD Structural Engineering Pvt. Ltd, Hyderabad  
Dealt with commercial buildings (Steel Structures) of USA.  
Following are the activities carried out.

ADR: Dispute Resolution Mechanisms, Contracts, Arbitration & Conciliation, International Commercial Arbitration

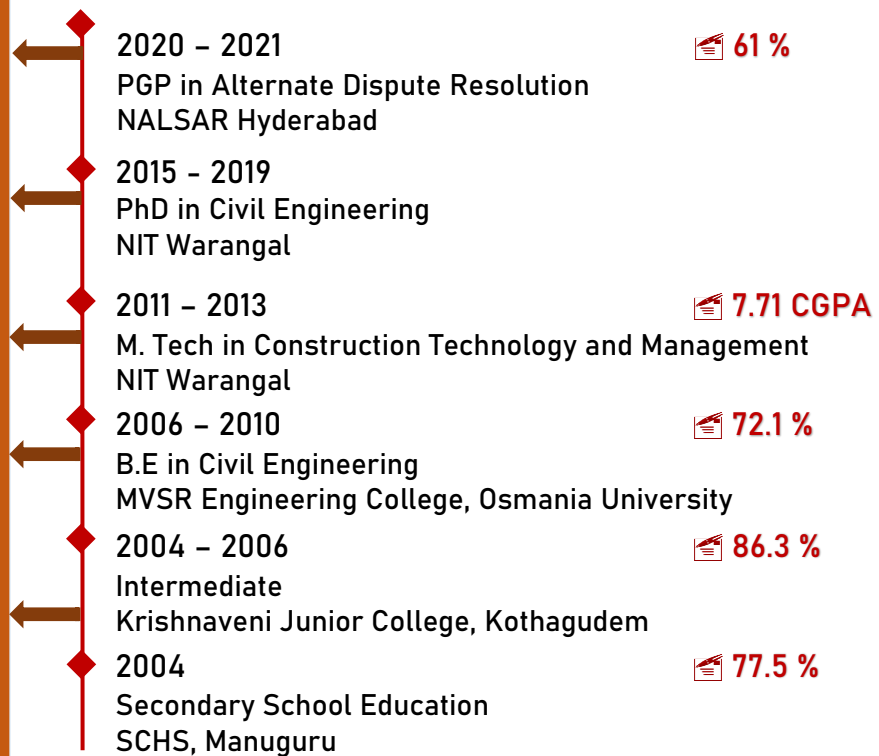
Doctoral Research: A Scientific Approach to Estimate the Masonry Labour Productivity using Human Physical Parameters (Productivity Measurement)

Master's Thesis: 4D construction planning by integrating GIS application with project scheduling (BIM Level 3)

Bachelor's Thesis: A review on approximate methods of analysis for lateral loads imposed on 2D building frames for portal method (STAAD PRO)

Mathematics, Physics and Chemistry

## EDUCATION



## PUBLICATIONS

08

SCI : 01 (*International*)  
SCOPUS : 02 (*International*)  
Reviewed : 01 (*International*)  
: 01 (*National*)  
Conferences : 02 (*International*)  
: 01 (*National*)

## RESEARCH

**PATENT (Submitted): A NOVEL MEANS OF ANCHORAGE FOR REINFORCING BARS IN REINFORCED CONCRETE MEMBERS;**  
Application No: 202041005177 A; Publication Date: 14/02/2020.  
Invention: New method of anchorage is invented in which the end of reinforcement bar is bent into a spiral and is used as anchor. This type of spiral anchorage simultaneously provides both bearing and bond resistance required for effective transfer of loads to the supports

### INDEXED PAPERS (PUBLISHED)

Karthik, D. and Rao, C.B.K., 2019. Influence of Human Parameters on Labor Productivity in the Construction Industry. *Human factors*, 61(7), pp. 1086-1098 p.0018720819829944. DOI:10.1177/0018720819829944.  
**(SCI, IF = 4.2)**

Karthik, D. and Rao, C.B.K., 2019. The Analysis of Essential Factors Responsible for Loss of Labour Productivity in Building Construction Projects in India. *Engineering Journal*, 23(2), pp.55-70., <https://doi.org/10.4186/ej.2019.23.2.55>.  
**(Scopus Indexed, ESCI, Elsevier)**

Dasari Karthik & C. B. Kameswara Rao (2019) Identifying the significant factors affecting the masonry labour productivity in building construction projects in India, *International Journal of Construction Management*, DOI: 10.1080/15623599.2019.1631978.  
**(Scopus Indexed, ESCI, Taylor and Francis)**

## HOBBIES

