

Bipina T.V.

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Building Technology & Construction Management (BTCM) Division
Department of Civil Engineering
Indian Institute of Technology Madras (IIT Madras)
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EDUCATION	CGPA/Percentage	Year
<ul style="list-style-type: none">Direct M.S. + Ph. D. (Civil Engineering) Indian Institute of Technology Madras (IIT Madras) Chennai, Tamil Nadu, India		Pursuing
<ul style="list-style-type: none">Bachelor of Engineering (Civil Engineering) National Institute of Technology Calicut (NIT Calicut) Calicut, Kerala, India	8.56	2013 - 17
<ul style="list-style-type: none">Senior Secondary Govt. Higher Secondary School Chayoth Kasaragod, Kerala, India.	99.1%	2011 - 13
<ul style="list-style-type: none">High School Govt. Higher Secondary School Chayoth Kasaragod, Kerala, India.	95%	2010 - 11

WORK EXPERIENCE

Senior Engineer (Civil) in Supply Chain & Subcontract Management at L&T Construction–Water & Effluent Treatment IC from July 2017 to December 2019)

Achievements/Tasks

- Planning work orders: Requirement determination, specification and authorization.
- Cost estimation of different types of structures and construction activities.
- Evaluation, negotiation and selection of sub- contractors.
- System compliance, performance measurement, contract modification, completion and payment.
- Monitoring site work progress and taking necessary actions to meet the targets.

Major Projects Involved

- Approach bridge and Pipe line for Vizag - Andhra Pradesh, India
- Integrated Effluent Treatment Plant – HPCL Vizag, Andhra Pradesh, India
- ISP Parwati & ISP Kalisindh Irrigation Project – Madhya Pradesh, India
- Water Supply to Adilabad - Telangana, India
- Bansujara Irrigation Project - Madhya Pradesh, India
- Water Supply to Koppal - Karnataka, India

- Operation & Maintenance of Sri Satya Sai Drinking Water Supply Project – Karnataka, India
- Udaipur Smart City Project – Rajasthan, India
- Pune Water Supply Project - Maharashtra, India
- 20MGD Water Treatment Plant at Okhla - Delhi, India

POSITIONS OF RESPONSIBILITY

- Senior Editor of NITC College Magazine (2016-'17)
- Senior Member – Civil Engineering Association, NITC (2014-2017)
- Senior Executive - Media committee -TATHVA'15 & '16, Poster and Design committee, i-INK literary Fest -RAGAM'16 & '17
- Class Representative – 7th Semester (2016)
- Volunteer - National Service Scheme (2014-2015)
- Secretary-School Mathematics Club (2012-2013)

ACADEMIC & PROFESSIONAL ACHIEVEMENTS

- Top performer in SCM Department, Water & Effluent Treatment IC, L&T Construction (2018-'19)
- Single Project- Kerala school Mathematics fair, A grade – State level (2012-'13)
- One among the top 1% students of Kerala based on higher secondary marks in the year 2013
- Winner of Thalir scholarship - Kerala Balasahithya Institute (2008-2010)
- Winner of various poetry writing competitions in district level (2008-2012)

PROJECTS & INTERNSHIPS

- **Effective utilization of industrial wastes in Calcium Sulfoaluminate (CSA) cement synthesis** (Currently working)

- **Water quality monitoring of Canoli Canal - Kozhikode, India** (08/2016 – 04/2017)

Produced a clear picture of the pollution levels in the canal by assessing spatial and temporal variations in water quality and proposed a suitable pollution control model to the concerning authority to reduce the organic contamination in the canal for the betterment of a hygienic society.

- **Internship at Delhi Metro Rail Corporation Ltd (DMRC) at Kochi Metro Project** (05/2016)

Visited Kochi metro and studied the construction and pre-construction works in detail as a part of industrial training in various sites of DMRC Kochi.

- **Integration by parts - A shortcut method** (02/2013)

Developed a shortcut method to calculate certain complex integrals through this individual project and won A-grade in state level competition.

RESEARCH INTERESTS

Cement synthesis, CSA cement hydration, Valorization of industrial wastes for cement industry

SKILL SET

- Analysis & Design: **AutoCAD**
- Technical computing - **MATLAB**
- Project Management - **Primavera P6, Microsoft Project**
- Other tools – **Microsoft Office**

PERSONAL VITAE

DOB : 26th May 1996

Gender : Female

Nationality : Indian

Interests : Writing poems, Reading novels, Handicraft making, Travelling,
Participating in social works

Languages Known : Malayalam, Tamil & Hindi

REFERENCES

Dr. Piyush Chaunsali

Assistant professor

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