

## **NITHIN TIMIRI PREMKUMAR**

7/5, Navarathna Apartments, Seethakathi Street, Mogappair East, Chennai - 600037, Tamil Nadu, India  
Contact No: +91-90940-92098; Email: nithin.bryant@gmail.com

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### **ACADEMIC QUALIFICATION**

#### **Bachelor of Engineering (Construction Technology and Management),**

Dayananda Sagar College of Engineering, Bangalore, Karnataka

2019

[Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka]

CGPA: **9.29** out of **10** [Ranked First in the department]

### **INTERNSHIPS/ INDUSTRIAL TRAININGS**

#### **❖ Intern, Nagarjuna Construction Company (NCC) Limited, Bangalore (Jan-Feb 2019)**

- Involved in the construction of a metro rail for a stretch of 6.9km in association with the Bangalore Metro Rail Corporation Limited (BMRCL)

- Project divided into five phases with each phase comprising of a metro station
- Each phase at a different construction stage, enabled me to witness and learn about all the significant stages namely pile foundation, pier construction, casting yard, parapet wall construction and the construction of metro station under the guidance of various construction managers.

#### **❖ Technical visit to Jyothi Conmix Private Limited, Bangalore (April 2017)**

- Witnessed the process of manufacture of concrete and understood the various proportioning of concrete components in the RMC plant.

#### **❖ Technical visit to BCV Developers Private Limited, Bangalore (April 2018)**

- Experienced the methodology involved in the precast panel construction and erection of precast segments at the Brigade Orchards site, Bangalore.

### **RESEARCH PROJECTS**

#### **Title: Township Layout, Planning and Design**

Location: Turahalli, Bangalore

Duration: 15 days

Team Size: 10

Brief Description: Planned and designed an entire township comprising six multi-storey buildings, a hospital, an underground drainage system, offices, a restaurant, an overhead tank, and a highway at the selected location. Conducted necessary surveys on-site as well as in-situ tests required to sketch and outline various segments of the township.

Individual Role: Led a team of 10 to work together as a single unit, thereby completing the allotted work three days prior to the deadline.

#### **Title: Analysis of Operational Performance of Intersections**

Location: Deepanjali Nagar, Bangalore







Team Size: 3

Brief Description: Selected and analysed a road intersection with high delay in traffic movement. Identified key causes for the same while suggesting and designing alternatives for the ascertained issue.

Individual Role:

- Utilised data collected, and coordinated a detailed analysis, employing different methods, like the IRC method, Indo-HCM, and the SIDRA intersection software, to calculate delay-time, which was relatively high
- Designed a traffic signal to ensure smooth flow of traffic, thus reducing delay time.

## SKILLS

LEADERSHIP		AutoCAD	
PRESENTATION		PRIMAVERA	
COMMUNICATION		MSP	

## AWARDS AND ACHIEVEMENTS

- Conferred the 'Best Outgoing Student of the Year' award for my academic excellence and active participation in technical and sports events by the Department of Construction Technology and Management, Dayananda Sagar College of Engineering, Bangalore (2019)
- Topped department for four years consecutively, during undergraduate study (2015-2019)
- Accorded First Place in paper presentation for project 'The Analysis of Operational Performance of Intersections' at Infra-Road Tech, a national-level conference, held at Resource centre for Asphalt and Soil Training Academy (RASTA), Bangalore (2019)
- Won 'League of Designers' (AutoCAD) event at 'Magnovite', held at Christ University, Bangalore (2019)
- Won (as a team of 2), the 'Consortium' event, and was declared runners-up in the 'Conpress' event, at the 'Concrete Fair', a national level civil engineering event, held at RV College of Engineering, Bangalore (2018)
- Secured the 'Best Presentation Award' for presentation on the topic, 'Submerged Floating Tunnel', in Dayananda Sagar college symposium, while in final year (2019)

## WORKSHOPS/TRAININGS

- Attended a two day technical workshop on 'Advances in Construction Technology' (ACT) organized by Dayananda Sagar College of Engineering, Bangalore for four consecutive years (2015-2019)
- Attended a technical seminar on 'Perpetual pavement for sustainable development and low volume roads' held at Premchandra Sagar Auditorium, Bangalore (April 2017)
- Participated in a two day workshop on 'Sustainable constructions & role of Construction managers in present construction scenario' held at Hemachandra Sagar Auditorium, Bangalore (September 2018)
- Attended a one day workshop on 'Interpersonal Skills and Working in Teams' at the Centre for Innovation and Leadership, Bangalore (March 2017)
- Attended a two day training program on 'Cement and Concrete – An Insight into the Wonderful World', at TOOLS Academy for Career Excellence, Bangalore (February 2019)
- Participated in a five-day intensive workshop on 'Memory, Study Skills and Leadership Development', Bangalore (March 2018)
- Participated in a two day workshop on 'Communication Skills' at the Centre for Innovation and Leadership, Bangalore (September 2018)

## EXTRACURRICULAR ACTIVITIES

- Represented Chennai region and secured Second Place in the inter-state Table Tennis tournament, held at Jawaharlal Nehru stadium, Chennai (2014)
- Member of the winning team that won inter-district Republic Day Basketball tournament held at J.J. indoor basketball stadium, Chennai (2013)

## COMMUNITY SERVICE/ SOCIAL WORK

- Organized a two day traffic awareness campaign on 'A Systems Approach to Traffic Safety' (ASATS) at Kumarasamy Layout, Bangalore (2017,2018 & 2019)
- Part of Swacch Bharath (Clean India) program organized by the student community of my undergraduate college at Rajarajeshwari Nagar, Bangalore (January 2018)