

Energy and Environment

rks.jotham3@outlook.com

[linkedin.com/in/jotham-prabhu-r-k-s-8269b878](https://www.linkedin.com/in/jotham-prabhu-r-k-s-8269b878)

Enthusiastic, highly motivated Energy and Environment graduate passionate about planning and executing energy efficient measures in building sector. A highly capable leader who likes to take initiative and seek out new challenges. Proficient in a range of modern energy/building simulation software including, Auto Cad, Revit, eQuest, Design Builder. Capable of operating in independent and team-based capacities to enhance design, development and execution of the building systems.

EDUCATION

Masters of Technology – Energy and Environment

Vellore Institute of Technology, Vellore

07/2017 – 04/2019

Courses:

- Alternate Fuels
- Renewable Energy Technologies
- Solar & Wind Energy
- Energy Audit, Conservation and Management
- Energy Systems Modelling and Analysis
- Design of Water and Waste water Treatment

Bachelor of Engineering – Civil Engineering

Vel Tech Multi Tech Engineering College, Chennai

08/2011 – 05/2015

WORK EXPERIENCE

Sustainability Consultant

The Energy and Resources Institute

05/2019 – Present

Bangalore

Energy Conservation in Commercial Buildings

Achievements/Tasks

- Team Lead at Karnataka Energy Conservation Building Code (K-ECBC) Cell.
- Drafted and notified K-ECBC code and rules 2018, in the State after modifying the code and rules according to the climatic conditions and feasibility of the State.

- Worked on amendment of solar water heater policy of Karnataka to include regulations for the use of BIS Standard Solar Water Heaters and other energy efficient strategies.
- Performed building energy simulation for 7 Nos. of Government Buildings Projects with connected load above 100kW and BUA over 9000 sqm, using eQuest and Design builder energy simulation tool, and provided recommendations to make the building an energy efficient in the Design and Construction Stages.
- The Karnataka Renewable Energy Development Limited (KREDL), office in Nagarbhaavi, Bengaluru, is one of such buildings which is in final stages of construction. The Building has adopted all the energy efficient measures recommended by my team, and is aiming for Super ECBC Level of Compliance.
- Trained Govt. officials from PWD, KREDL and Office of Chief Architect, to independently use the energy simulation tool.
- Worked closely with the State Schedule of Rates (SR) Committee, to incorporate energy efficient materials and equipment, in the State SR 2019-20, and was successful in incorporating certain materials into the SR. (SR yet to be published)
- Conducted 8 Nos. of Software and Energy Conservation Building Code (ECBC) Training Programs for both Govt and Private Stakeholders associated with Building Sector. Additionally conducted 16 Nos. of Webinars on the topics related to Energy efficiency in buildings.
- Was invited by National Productivity Council, Ministry of Commerce to give an overview

about ECBC and its implementation strategies to Government Officials.

- Working on a draft for implementing Mandatory Energy Audit in the State of Karnataka & providing financial incentives for ECBC Compliant buildings.

Post Graduate Engineer Trainee/Jr. Executive
ENCON Energy Management Services Pvt. Ltd

05/2018 – 04/2019

Pune

Energy Conservation

Achievements/Tasks

- Worked on various Energy Audit projects including Thermal Power Plant, Banks, Industries, Hotels and Hospitals.
- Individually conducted electrical and safety audit for 19 banks in Mumbai

Site Engineer

Siva Swathi Construction

01/2016 – 06/2017

Chennai

Building Construction

Site Engineer

B & B Builders

06/2015 – 12/2015

Vellore

Building Construction

SKILLS

Design Software: AutoCAD, Revit, SketchUp.

Building Modelling and Energy Simulation Tools:
eQuest, Design Builder.

Microsoft office software: Word, Excel and PowerPoint

ACADEMIC PROJECTS

07/2017 – 04/2019

Vellore

Project Title 1: Comprehensive Energy Audit of Commercial Buildings in Hospitality Sector

Project Title 2: Bio Diesel Production by using Egg Shell as Catalyst

Project Title 3: Energy Audit of GD Naidu Block, VIT Vellore, and provide energy efficient solution.

Project Title 4: Electro-kinetic remediation of soil contaminated with heavy metals.

Project Title 5: Theoretical design of constructed wetland for Vellore Institute of Technology

08/2011 – 05/2015

Chennai

Project Title: Analysis of Ground Water near Solid Waste Dumping Site (Perungudi, Chennai)

LANGUAGES

Tamil, Kannada, Telugu, Malayalam: Speak only

English, Hindi: Read, Write and Speak (Proficient)

OTHER ACHIEVEMENTS

Gold Medallist in U-19 Hockey National Sports Meet,

Captain of school and college (PG) Hockey Team,

3rd position in Kho-Kho Zonal Sports meet (UG)
Tamil-Nadu,

Active member of Help Aged India Foundation,