Balaji K

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Email: krishbala49@gmail.com

Experience

Makeorbuy contracting Pvt. Ltd., Bangalore. (Geodesic Techniques Pvt. Ltd. Group) Enquiries Panchshil Equiniux Data centre (G+6) Designed End plate, Shear tab and web splice connection Prepared Floor-wise design report as a part of Work Breakdown Schedule Coco Cola Manufacturing Plant, Hyderabad. Storage shed, Gambia. RIL PV Manufacturing Shed, Gujarat. Katerra warehouse, Bidadi. L&W Data Centre, Pune. (G+3) Panchshil commercial building, Pune. (G+12) M-FAR, Pune. (G+12) M-FAR, Pune. (G+14) Projects Phoenix – 285 T6, Hyderabad. (B2+G+30) PRODE TO CART OF TECHNIC CONNECTION CARD Service of the deadline by proper planning and motivation, under pressure Carried out checking of fabrication drawings of beams, columns and shear walls R&D	Experience					
Panchshil Equiniux Designed Composite Beams, CFT columns and Braces Designed End plate, Shear tab and web splice connection Prepared Floor-wise design report as a part of Work Breakdown Schedule	,					
Panchshil Equiniux Designed Composite Beams, CFT columns and Braces Designed End plate, Shear tab and web splice connection Prepared Floor-wise design report as a part of Work Breakdown Schedule						
Panchshil Equiniux Data centre (G+6) Designed Composite Beams, CFT columns and Braces Designed Base plate and anchor botts Designed End plate, Shear tab and web splice connection Prepared Floor-wise design report as a part of Work Breakdown Schedule Coco Cola Manufacturing Plant, Hyderabad. Design of roof (Area = 34000 SQM) in 3 different configurations – (i) Space frame, (ii) Truss and (iii) Primary and Secondary Beams as per IS codes Storage shed, Gambia. RIL PV Manufacturing Shed, Gujarat. Katerra warehouse, Bidadi. L&W Data Centre, Pune. (G+3) Panchshil commercial Building, Pune. (G+14) Design of Steel Beams, Columns and braces as per IS codes Design of Steel Beams, Columns and braces as per IS codes Projects Role: Acting Team lead Identified and designed additional beams required for inclusion of walls by the client. Connection design – Design of shear tab as per IS codes Role: Assistant Engineer Developed AutoCAD script file to automate the generation of fabrication drawings Developed my leadership skill by heading a team of 7 detailers and delivered the fabrication drawings much before the deadline by proper planning and motivation, under pressure Carried out checking of fabrication drawings of beams, columns and shear walls R&D Composite Beam Development Developed a part of back-end python program for automation and optimization of suddied the basis in which moment – load interaction curves are formed in SP-16, as a part of research and Development Worked as a part of Research and Development team for developing a new economical and low depth composite beam section Studied the basis in which moment – load interaction curves are formed in SP-16, as a part of research and Development Worked as a part of R&D team in development Automation – Self Interest Staad - Loading Automation Studied the Structural and Architectural drawings of metro stations Studied the Structural and Architectural drawings of metro stations						
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Chennal Metro Rail Ltd. Studied the Structural and Architectural drawings of metro stations	Internship					
	Chennai Metro Rail Ltd.					

Academic Profile

COURSE	INSTITUTION	YEAR OF PASSING	PERCENTAGE
M.E Structural	MEPCO Sclenk Engineering College,	2019	89
Engineering	Sivakasi.		
B.E Civil	Sri Sairam Engineering College,	2017	84.6
Engineering	Chennai.		
Higher Secondary	S.R.G.D.S. Matriculation Higher	2013	92.9
	Secondary School, Thiruvannamalai.		
Secondary	S.R.G.D.S. Matriculation Higher	2011	94.2
	Secondary School, Thiruvannamalai.		

Accomplishment

- Completed the courses "The comprehensive ETABS professional course (RCC and Steel)" and "Structural Steel design of Pipe racks" in UDEMY
- Completed the IIT madras certification course on PYTHON
- Won Best Paper award for paper on "Thermal and acoustic performance evaluation of bricks incorporating sewage treatment plant sludge" in International Conference on Innovations in Engineering, Science and Technology 2019 (ICIEST 2019)

Software Skills

- > Analysis & Design Etabs and Staad Pro
- Modelling & Drafting AutoCAD
- ➢ MS Excel
- Cad Script
- Python Basics

Areas of Interest

- Steel Structures Design
- Automation

Publications

- A journal on "Development of brick as a Thermal and acoustic resistant building component" in International Journal of Engineering Research and Applications (IJERA).
- A journal on "Experimental study of removal of Fluoride in water using Bio-Material" in International Research Journal of Engineering and Technology (IRJET)

Languages

Tamil Native Proficiency

English Professional working proficiency

Telugu Limited Proficiency

References

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Naveen B,

Design Engineer,

Makeorbuy Contracting pvt. ltd.

(Geodesic Techniques pvt ltd group)

Contact No.: 8903043535.