



ASWINI ASHOKKUMAR

PLOT NO. 1, 9TH CROSS EXTN, RAINBOW NAGAR
PONDICHERRY-605011
India

OBJECTIVE

To secure a challenging position where I can effectively contribute my skills and ensure my growth through the organization's growth, possessing competent Technical Skills and to constantly upgrade my knowledge, skills and make a difference in whatever I do.

PERSONAL TRAITS

- Time management skills
- Quick and curious learner
- Responsible and Adaptable
- Smart worker

EDUCATION

M.TECH • 2015-2017 • PONDICHERRY ENGINEERING COLLEGE

- ✓ Structural engineering with a CGPA of 8.91 (First class)

B.TECH • 2011-2015 • PONDICHERRY ENGINEERING COLLEGE

- ✓ Civil engineering with a CGPA of 8.51 (Distinction)

HSC • 2011 • ST. JOSEPH OF CLUNY GHSS

- ✓ Tamil Nadu State Board
- ✓ Percentage - 90.4

MATRICULATION • 2009 • ST. JOSEPH OF CLUNY GHSS

- ✓ Tamil Nadu State Board
- ✓ Percentage - 88.6

ACADEMIC PROJECTS

1. **TITLE:** Optimization of RC cylindrical shell roof structure using genetic algorithm during 2016-2017

DESCRIPTION: To optimize a simply supported reinforced concrete cylindrical shell roof structure under service loads with and without edge beams using genetic algorithm.

2. **TITLE:** Studies on the performance of Self Compacting Concrete made using Controlled Permeable Formwork during 2014-2015

DESCRIPTION: To check the efficiency of CPF liner with SCC and to conduct studies on strength and other properties of SCC.

RESEARCH PROJECTS

AREAS OF CURIOSITY

- Project Planning and Control
- Design of Steel Structures
- Concrete Technology

1. **TITLE:** An Assessment Study On Project Time And Cost Control Using Building Information Modeling during 2020-2021

DESCRIPTION: To study a model that integrates cost estimate and monitoring processes with the advances in data visualization to provide decision makers with a tool for better monitoring and control of their construction projects

2. **TITLE:** A Study On The Performance Of Concrete With Geogrid Stitched With Steel during 2019-2020

DESCRIPTION: To examine the potential benefits of steel stitched geogrids in concrete specimens and to the study focuses on investigating the flexural, compression and durability behavior of concrete members reinforced with steel stitched geogrids.

3. **TITLE:** An Assessment Study on carbon Emission Mapped Using GIS in Puducherry Region during 2019-2020

DESCRIPTION: To study the air quality in Puducherry region and to map the carbon content using GIS software

4. **TITLE:** Performance of Rapid Hardening Concrete made using Controlled Permeable Formwork liner during 2019-2020

DESCRIPTION: To check the efficiency of CPF liner with RHC and to conduct studies on strength and other properties of RHC.

5. **TITLE:** An air quality study at Indira Gandhi Square during 2018-2019

DESCRIPTION: To fabricate a device to measure carbon dioxide, carbon monoxide and nitrogen dioxide and study its quality at Indira Gandhi Square

6. **TITLE:** A Study on Structural Health Monitoring With Sensors Using IoT Platform during 2018-2019

DESCRIPTION: To integrate SENSING TECHNOLOGY for the performance enhancement of an existing structure and transmission of data for the distortion in structure through Cloud Computing and GSM interface

PUBLICATIONS

TECHNICAL SKILLS

- AutoCAD
- STAAD.pro
- Ansys (basics)
- Matlab (basics)
- Etabs (basics)
- SAP2000 (basics)
- QGIS (basics)
- MS Office

LEISURE ACTIVITIES

- ✓ Arts and Crafts
- ✓ Baking
- ✓ Playing badminton

- ✓ **Aswini A and O. R. Arun**, '*A Study On The Performance Of Concrete With Geogrid Stitched With Steel*', International Research Journal of Modernization in Engineering Technology and Science, Volume 2, Issue 11, pp: 940-945, 2020
- ✓ **Aswini A , Akash R A , O. R. Arun , and Gokulnath A**, '*A Literature Study on the Performance of Concrete with Geogrids*', International journal of Advances in Engineering and Management, Volume 2, Issue 2, pp: 197-200, 2020
- ✓ **A.Aswini, V.Swetha, V.Umamageswari and K.Nancy**, '*Mapping of Carbon Content in Puducherry Region Using GIS*' International Web Conference on Smart Engineering Technologies, at Ramco Institute of Technology, 2020.
- ✓ **A.Aswini , R.Manobala and Gella Sumanth**, '*Effect of rapid hardening concrete made using controlled permeable formwork liner*' International Web Conference on Smart Engineering Technologies, at Ramco Institute of Technology, 2020.
- ✓ **A.Aswini, V.Swetha, V.Umamageswari and K.Nancy**, '*An Assessment Study on carbon Emission Mapped Using GIS in Puducherry Region*' International Journal of Disaster Recovery and BusinessContinuity, vol.11(1), pp. 2196-2202, 2020.
- ✓ **A.Aswini , R.Manobala, A.Sivaa Chidambaram, Gella Sumanth and A.Prathaprajan**, '*Performance of Rapid Hardening Concrete made using Controlled Permeable Formwork liner*', Alochana Chakra Journal, vol. 9(6), pp. 6562-6567, 2020.
- ✓ **A.Aswini and Dr.G.Ramakrishna**, '*Computer Aided Analysis of Cylindrical Shell Roof Structure Using MATLAB*', International Conference on Trends in Technology and Engineering, at Arjun College of Technology, pp.152-156, 2017.
- ✓ **A.Aswini and Dr.G.Ramakrishna**, '*Computer Aided Analysis of Cylindrical Shell Roof Structure Using MATLAB*', International Journal for Trends in Engineering & Technology, vol. 23(1), pp. 6-10, 2017.
- ✓ **A.Aswini, P.Ganapathy, N.Hemalatha and Dr.S.Kothandaraman**, '*Studies on the Performance of Self-Compacting Concrete Made Using Controlled Permeable Formwork Liner*', National conference on Advances in Civil Engineering, at SSN college, chennai, pp.96-105, 2015.

CONFERENCES

- ✓ Presented '*Mapping of Carbon Content in Puducherry Region Using GIS*' International Web Conference on Smart Engineering Technologies, at Ramco Institute of Technology, 2020
- ✓ Presented '*Effect of rapid hardening concrete made using controlled permeable formwork liner*' International Web Conference on Smart Engineering Technologies, at Ramco Institute of Technology, 2020
- ✓ Presented '*Computer Aided Analysis of Cylindrical Shell Roof Structure Using MATLAB*', International Conference on Trends in Technology and Engineering, at Arjun College of Technology, Coimbatore, 2017
- ✓ Presented '*Studies On The Performance Of Self-Compacting Concrete Made Using Controlled Permeable Formwork Liner*', National conference on Advances in Civil Engineering, at SSN college, Chennai, 2015

EXPERIENCES

- Worked as a **Junior Design Engineer** in Swayam Studio, Puducherry from 08.06.2015 to 31.10.2017
- **Assistant Professor** at Sri Manakula Vinayagar Engineering College, Puducherry from 06.12.2017 till date

ACHIEVEMENTS

- ✓ Secured **Elite+Gold** in Project Planning and Control in NPTEL course in 2020
- ✓ Secured **Elite+Silver** in Design of Steel Structures in NPTEL course in 2019
- ✓ Produced **100%** result in Bridge Engineering and Design of Structures I in 2019
- ✓ Won **BEST PROJECT** award for the final year project during undergraduate in 2015
- ✓ Secured **SECOND** rank in the university exam during the academic year 2013 to 2014

ROLES AND RESPONSIBILITIES

Junior Design Engineer:

- Prepared designs for simple engineering projects
- Supervised and inspected minor construction
- Obtained data for computation of quantities
- Checked measurements and obtains design data
- Provides assistance to design and construction teams

Assistant Professor:

- Evaluated, monitored and mentored student for their academic progress
- Organised in departmental and college activities
- Assisted and supported senior professors in their day-to-day tasks and functions
- Guided and lead students in research projects

TECHNICAL TRAINING

- ✓ Underwent FDP on Recent trends in Civil Engineering in 2020
- ✓ Underwent FDP on Applications of Mathematics in Engineering in 2019
- ✓ Underwent FDP on Programming in C language in 2019
- ✓ Underwent In-plant training program in GNANAM CONSTRUCTION LLP, Thanjavur from 10.12.2016 to 30.12.2016
- ✓ Underwent In-plant training program in EVERSENDAL CONSTRUCTION PRIVATE LIMITED, Chennai from 18.06.2016 to 01.07.2016
- ✓ Underwent In-plant training program in THE OFFICE OF THE DIVISIONAL ENGINEER (C&M), Villupuram from 02.12.2013 to 07.12.2013 and from 22.05.2014 to 28.05.2014
- ✓ Underwent In-plant training program in PUBLIC WORKS DEPARTMENT, Puducherry from 03.06.2013 to 14.06.2013

INDUSTRIAL VISITS

- ✓ Undertook a one day visit to WATER TREATMENT PLANT at Puzhal and to SEWAGE TREATMENT PLANT at Nessapakkam in Chennai on 04.01.2014
- ✓ Undertook a one day visit to PUDUCHERRY RAILWAY STATION on 17.12.2013
- ✓ Undertook a one day visit to STRUCTURAL ENGINEERING RESEARCH CENTER(SERC), Chennai on 26.09.2013

CO-CURRICULAR ACTIVITIES

- ✓ Attended as a delegate at a workshop on precast construction practices in India at IIT Madras, Chennai on 12.02.2016 and 13.02.2016
- ✓ Participated in national level tech-fest workshop on DUCTILE DETAILING BEAM in College of Engineering, Anna University, Chennai on 28.03.2014
- ✓ Secured **second** place for paper presentation on GREEN BUILDING For QUALITY LIVING in Knowledge Institute of Technology, Salem on 15.03.2014
- ✓ Secured **second** place for model making of GREEN BUILDING in Sastra University, Thanjavur on 23.02.2013

CONTACT VIA



honeyash09@pec.edu



+91 9500463717

EXTRA CURRICULAR ACTIVITIES

- ✓ Participated in dance competition during women's day celebration in PEC on 8.03.2017
- ✓ Participated in march past during February 2011 and 2012

PERSONAL DETAILS

Father's name: R. Ashokkumar (Late)

Mother's name: A. Sitta

Date of birth: 09.10.1993

Languages:

English

Tamil

French (basics)

Hindi (basics)

DECLARATION:

I hereby declare that the above mentioned information is true to the best of my knowledge and belief.

Date: 01/02/2021

Place: Pondicherry, India

A. Aswini

(ASWINI A)