

ASSISTANT PROFESSOR

- SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING ,ERNAKULAM

05/10/21 -21/07/23

- Working in accordance with institutes curriculum
- Carrying out detailed assessment of Students with a wide ranging teaching styles
- Monitoring and assessing lectures and student progress
- Planning , preparing and reviewing the subject teaching plan and to set targets for students
- proficient in designing course materials and institutional strategies that promote active student participation
- **Key Roles:** Group Tutorships, Project Coordinator, Lab in charge , Exam coordinator

- S B JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT AND RESEARCH , NAGPUR

01/06/2016 - 18/11/2017

- Working in accordance with institutes curriculum
- Carrying out detailed assessment of Students with a wide ranging teaching styles
- Participating in development of Appropriate Study materials and Scheme of Work
- Organizing a range of Extra curricular activities
- Strong record of conducting and publishing research in reputed journals
- **Key Roles:** T&P Coordinator , Exam In Charge , Time Table In Charge, Industrial Visit In charge, Exam Paper Scrutiny Team Member

MECHANICAL ENGINEER

- WE FOUR STRUCTURES PVT.LTD. NAGPUR

03/12/17-04/03/20

- NAMI STRUCTURES & ENGINEERING NAGPUR

10/03/20-29/09/21

- Working in consultation with production engineer analysis of drawings
- Assisting the tam for Manufacturing of required job
- Effective communication skills to collaborate with cross functional terms
- Execution of job precisely and making job estimation
- Analysing each job prospects keenly
- **Key Roles:** Monitoring, Estimation , Quality checking .

- DIFFUSION ENGINEERS PVT.LTD. NAGPUR

02/06/13-09/08/14

- Working in consultation with production engineer analysis of drawings
- Assisting the team for Manufacturing of required job
- Execution of job precisely and making job estimation
- Assuring timely completion of job
- project estimation duly done
- Proficiency in interpreting technical drawings
- **Key Roles:** Monitoring, Estimation , Quality checking .

- BAJAJ STEELS PVT.LTD. NAGPUR

One month field training

CONFERENCE PROCEEDINGS

- **Sustainable Transportation Infrastructure- Need of Future**, International Conference on Applied Research in Engineering (2023), ISBN 6248 4382 , pp 1-9.
- **A Review on Performance Analysis on Helical Coil Heat Exchanger**, International Conference on Applied Research in Engineering (2023), ISBN 6248 4382 , pp 143-147.
- **Review on Soil Stabilisation**, International Conference on Applied Research in Engineering (2023), ISBN 6248 4382 , pp 165- 167.
- **Investigating Tensile properties of Al319 alloy with Strontium**, International Conference on Applied Research in Engineering (2023), ISBN 6248 4382 , pp 168-173
- **State of the Art Electronic cooling Techniques for shipborne systems: A comprehensive review**, International Conference on Applied Research in Engineering (2023), ISBN 6248 4382 , pp196-199.
- **Fabrication of low cost reactor and manufacturing Biodiesel from waste vegetable oil**, International Conference on Applied Research in Engineering (2023), ISBN 6248 4382 , pp 148-153.
- **Comparison of low carbon fuel for commercial shipping**, International Conference on Applied Research in Engineering (2023), ISBN 6248 4382 , pp 121-131.

PUBLICATIONS

- **Experimental Investigation of Process Parameters on EDM**, International Advanced Research Journal in Science, Engineering & Technology (2017), ISSN 2393 1588, Volume 4, Issue 5, pp237-250.
- **Detection and Fabrication of Multipurpose Bicycle Machine**, International Journal for Scientific Research & Development (2017), ISSN 2321 0613 , Volume 5, Issue 4, pp 855-858.
- **Numerical Investigation on Flow characteristics of jets emerging from Multilobed Nozzle**, International Journal on Applied Engineering & Researchers (2023), ISBN 6248 4382 , pp 143-147.
- Heat transfer study of Tube in Tube Helical coil Heat exchanger. (Submitted in Elsevier).

BOOKS PUBLISHED

- Renewable Energy Engineering, Jyothis Publication, 2023.

ACTIVITIES ATTENDED

- Participated in MIHAN awareness program
- Workshop on Industrial Robotics
- Participated in STTP on Heat Exchangers
- Workshop on Ansys.
- FDP on ***Understanding research using descriptive and inferential Statistics***
- FDP on ***Simulation Modelling techniques***
- FDP on ***outcome based Education by SNGCE***
- FDP on ***Nanotechnology in Engg. for a sustainable future***
- FDP on ***fusion 360 by Autodesk***
- FDP on ***Applications of Nanotechnology in Mechanical Engineering***
- FDP on ***Energy Conservation methods & Energy Audit***
- FDP on ***Research Innovations, Self learning & Entrepreneurship.***
- FDP on ***Authoring and publishing Technical books***
- FDP on ***Outcome based Education by St. James college***
- FDP on ***Naval Architecture and Ship Building Engineering in Ship technology***
- Workshop on outcome based education by SNGCE
- Participated in International conference on Multidisciplinary Approaches in Engineering Sciences and Humanities.
- Participated in International Webinar on creating energy from Water and air through chemical pathway.
- Participated in International seminar on Human Robot Interaction.
- Participated in Webinar on Robotics that help people.
- Participated in International Webinar on Future of Renewable Energy.
- Participated in International webinar on Novel Biomarkers of Obesity Disease
- SAE club Faculty Advisory Forum
- Conducted a Soft Skill Training in MBA Department
- Coordinated Conference ICARE'23
- Coordinated a talk on Current trends in Refrigeration and Vortex tube Refrigeration.
- Coordinated a talk on Recent trends in Heat Exchanger

PROFESSIONAL BODY MEMBER

- Lifetime Member of INDIAN SOCIETY OF TECHNICAL EDUCATION
- ISHRAE MEMBER

ACHIEVEMENTS

- Awarded Best faculty in Mechanical Department at SBJITMR
- Topper in BE for 4 consecutive years and MTech for 2 consecutive years
- Gold Medalist in BE and MTech
- Silver Medal for Outstanding performance in MTech 2016

REFERENCES

- **Dr.Sandeep Joshi (9860715064)**
Associate Professor
Mechanical Dept. RCOEM
joshiss@rknec.edu
- **Dr.Amit Banker (7507521494)**
HOD & Professor
Mechanical Dept. SBJITMR
amitb9275@gmail.com
- **Dr. P.P.Binu (8848191458)**
Professor & HOD
SNGCE Ernakulam
ppg@sngce.ac.in
- **Pradeep Kumar G (9766632125)**
Managing Director
Nami Structures & Engineering
nsepradeep69@gmail.com

DECLARATION

I do declare that the truth and authenticity of all the information in my resume.

ER.VYSHAK PILLAI