Dear Sir/Madam,

With over 7 years of combined experience in both the academic and industry sectors, I possess a unique blend of skills in engineering education, research, and industry practices that I believe align well with the needs of your department.

In my current role as an Assistant Professor at Jnanavikas Institute of Technology, I have developed and delivered courses on core mechanical engineering subjects, conducted cutting-edge research, and provided mentorship to students pursuing academic and professional excellence. My experience as a coordinator for NBA accreditation, timetable management, and semester-end examinations has equipped me with strong organizational and leadership skills, enabling me to maintain high educational standards and ensure smooth departmental operations.

My previous roles in the engineering industry as a Stress Engineer and Analysis Engineer/CAE Engineer have further enhanced my technical expertise. I have successfully led complex projects involving stress analysis, structural optimization, and computational modelling for various engineering components. These experiences have honed my ability to solve challenging engineering problems, manage multidisciplinary teams, and communicate effectively with clients and stakeholders.

I am particularly drawn to the opportunity at [Company/Organization Name] because of its commitment to excellence in engineering education and innovation. I am eager to bring my diverse skill set, passion for teaching, and dedication to research to your esteemed institution, contributing to the growth and success of both students and faculty.

Thank you for considering my application. I am excited about the possibility of joining your team and am confident that my experience and enthusiasm will be valuable assets to your department. I look forward to the opportunity to discuss how I can contribute to your institution’s continued success.

Sincerely,
S PUNEETH

S. PUNEETH

Mobile: +91-9900707969, E-mail: puneethmys@gmail.com
Address: #236, 6th cross, J C Nagar, Mysuru - 570010

PROFESSIONAL SUMMARY

Accomplished engineering professional with over 7 years of combined experience in both academia and industry, specializing in mechanical engineering, stress analysis, and structural optimization. As an Assistant Professor, I have a proven track record of delivering high-quality education, developing innovative curricula, and mentoring students in both classroom and laboratory settings. In my industry roles, I have demonstrated expertise in finite element analysis (FEA), stress testing, and computational modeling using advanced software tools like HyperMesh, ANSYS, NASTRAN, and HyperView. Skilled in team leadership, project management, and coordination of accreditation processes, I have successfully led multidisciplinary teams to deliver complex engineering projects and maintain high academic standards. Recognized for my ability to foster a collaborative environment, drive continuous improvement, and contribute to the advancement of engineering education and practice.

CURRENT EXPERIENCE

Employer	:	**JNANAVIKAS INSTITUTE OF TECHNOLOGY** Bidadi
Position held	:	Assistant Professor (From June 2024 till date)

PAST WORK EXPERIENCE

Employer	:	**ABHIYANTRANA TECHNOLOGIES** Basaveshwara Nagar, Bengaluru - 79
Position held	:	Stress Engineer (From December 2015 till September 2019)
Employer	:	**NOVA-GLOBAL TECHNOSOFT PVT LTD**, Basaveshwara Nagar, Bengaluru-79
Position held	:	Analysis Engineer/CAE Engineer (From March 2015 to November 2015)
Total Industry experience	**:**	**4 Years 7 months**
Employer	:	**CAMBRIDGE INSTITUTE OF TECHNOLOGY** K R Puram, Bengaluru - 79
Position held	:	Assistant Professor (From July 2013 till June 2015)
Subjects Taught	:	Basic Thermodynamics, Applied Thermodynamics Heat and Mass Transfer, Energy Engineering
Labs Handled	:	Energy Conversion Lab, Heat and Mass Transfer Lab, Foundry and Forging Lab, Fluid Machinery Lab, Material Testing Lab, Machine Shop, Workshop Lab

Employer	:	**GSS INSTITUTE OF TECHNOLOGY** Kengeri Satellite Town, Bengaluru - 79
Position held	:	Assistant Professor (From January 2013 till June 2013)
Subjects Taught	:	Applied Thermodynamics, Heat and Mass Transfer
Labs Handled	:	Energy Conversion Lab, Heat and Mass Transfer Lab, Material Testing Lab, Machine Shop
Teaching Experience	**:**	**2 Years 6 months**

PROFESSIONAL EXPERIENCE

INDUSTRY EXPERIENCE

During my tenure in the engineering services industry, I have accumulated extensive experience in stress analysis, structural analysis, and computational modelling across various projects. I have held key roles in organizations such as **Abhiyantrana Technologies** and **Nova-Global Technosoft Pvt Ltd**, where my primary responsibilities involved performing complex analyses to ensure the structural integrity and reliability of engineering components and systems.

Key Roles and Responsibilities:

- **Stress and Structural Analysis:** Conducted comprehensive stress, static, and dynamic analyses on a variety of components, including silo hopper structures, outrigger models, fuselage sections, and gear teeth. Utilized advanced tools such as HyperMesh, NASTRAN, ANSYS, and HyperView to create finite element (FE) models that adhere to strict client guidelines and quality criteria.
- **Mesh Generation and Optimization:** Generated high-quality meshes for complex geometries to facilitate accurate and efficient finite element analysis (FEA). Applied optimization techniques to identify non-critical regions in components, enabling material reduction without compromising performance.
- **Problem Definition and Client Communication:** Interpreted client requirements and developed precise problem definitions for various projects. Maintained consistent communication with clients to ensure that the analyses met their specifications and expectations.
- **Modal and Frequency Response Analysis:** Performed modal and frequency response analyses to determine natural frequencies, mode shapes, and structural responses under dynamic loading conditions. Addressed issues such as connectivity and resonance to enhance structural performance.
- **Buckling and Fatigue Analysis:** Conducted buckling analysis to determine critical load factors and stability limits. Executed fatigue analysis to estimate the operational lifespan of components under cyclic loading conditions, including gear teeth and electronic power units.
- **Post-Processing and Reporting:** Post-processed analysis results to generate detailed reports including deformation, displacement, stress plots, and safety factors. Presented findings to clients for review and approval, ensuring clear communication of results and recommendations for further optimization.

Team Management and Leadership Skills:

- **Project Coordination:** Led multidisciplinary teams to deliver complex engineering projects within tight deadlines. Coordinated activities between design, analysis, and quality assurance teams to ensure seamless integration of efforts and successful project completion.

- **Mentorship and Training:** Mentored junior engineers and provided training on advanced FEA tools and analysis techniques. Encouraged skill development and fostered a collaborative environment conducive to knowledge sharing and innovation.
- **Task Delegation and Workflow Management:** Efficiently delegated tasks based on team members' expertise and project requirements. Managed workflows to optimize resource utilization and maintain high productivity levels across multiple concurrent projects.
- **Problem-Solving and Decision-Making:** Leveraged strong analytical and problem-solving skills to address technical challenges during project execution. Made informed decisions on analysis methodologies and tools to achieve optimal results while adhering to project constraints.
- **Client and Stakeholder Engagement:** Actively engaged with clients and stakeholders throughout the project lifecycle. Conducted regular meetings to provide updates, gather feedback, and ensure alignment with project goals and expectations.

Through these roles, I have honed my technical expertise in engineering analysis while also developing strong leadership and team management skills. My ability to lead teams, mentor colleagues, and deliver high-quality results has been a key factor in my professional growth and success in the industry.

TEACHING EXPERIENCE

In my current role as an Assistant Professor at Jnanavikas Institute of Technology, I continue to contribute to the academic and professional development of engineering students. I am actively involved in teaching undergraduate courses, developing curricula, and engaging in research activities that advance both my field and my students' understanding of engineering principles.

Key Roles and Responsibilities:

- **Course Instruction and Curriculum Development:** Teaching core mechanical engineering subjects, such as Thermodynamics, Heat Transfer, and Engineering Mechanics, with a focus on both foundational knowledge and its application in real-world scenarios. Actively participating in curriculum development to ensure course content is up-to-date with the latest technological advancements.
- **Student Mentorship:** Guiding students through academic challenges and research projects. Providing mentorship for final-year projects and preparing students for professional careers in engineering.
- **Research and Publications:** Continuing to engage in research, with a focus on publishing in reputed journals and contributing to conferences. Involving students in research projects to promote a culture of inquiry and innovation.
- **Laboratory Instruction and Management:** Overseeing laboratory courses and ensuring that practical sessions are conducted efficiently and safely. Developing lab exercises that enhance students' understanding of theoretical concepts.

Throughout my teaching career at institutions such as **Cambridge Institute of Technology** and **GSS Institute of Technology**, I have not only taught a range of mechanical engineering subjects but have also played a pivotal role in enhancing the academic and operational framework of these institutions.

Key Roles and Responsibilities:

- **Course Instruction and Curriculum Development:** Delivered courses including Basic Thermodynamics, Applied Thermodynamics, Heat and Mass Transfer, Power Plant Engineering, and Turbomachines. Developed comprehensive syllabi that incorporated both theoretical knowledge and practical skills, ensuring a well-rounded education for engineering students.
- **Laboratory Management and Instruction:** Managed multiple engineering labs such as the Workshop Lab, Machine Shop Lab, Energy Engineering Lab, CAMD, CAED, Foundry and Forging Lab, Fluid

Mechanics Lab, and Heat and Mass Transfer Lab. Created lab manuals and facilitated hands-on learning experiences, thereby bridging the gap between theory and practice.

- **Student Mentorship and Advising:** Provided academic mentorship and career guidance to students, assisting them in navigating their educational paths and achieving their career goals. Supported student research and project work, fostering a culture of innovation and critical thinking.
- **Research and Publications:** Engaged in research and published papers in international journals on topics such as optimization techniques and machining parameter effects. Encouraged student participation in research, thereby enhancing their analytical and research skills.

Coordinator Roles and Leadership Responsibilities:

- **NBA Coordinator:** Served as the National Board of Accreditation (NBA) Coordinator, overseeing the preparation and submission of accreditation documentation. Ensured compliance with accreditation standards and collaborated with faculty and staff to maintain high-quality education.
- **Time Table Coordinator:** Effectively managed the academic schedule for the department, optimizing the allocation of resources and addressing scheduling conflicts to accommodate faculty and student needs.
- **SEE Coordinator (Semester End Examination Coordinator):** Coordinated the administration of semester-end examinations, managing logistics, invigilation, and evaluation processes to ensure a smooth and fair examination experience for all students.
- **Faculty Development Initiatives:** Led initiatives to enhance faculty teaching skills, including workshops and training on innovative teaching methodologies and the use of technology in education.
- **Committee Participation and Leadership:** Actively participated in various institutional committees, contributing to curriculum development, quality assurance, and strategic academic planning.

Through these diverse roles, I have developed a robust skill set in academic leadership, curriculum development, and student engagement. My experience as a coordinator and educator has allowed me to foster a dynamic and supportive learning environment, contributing significantly to the academic success and professional growth of my students.

TECHNICAL SKILL SET

Software : HyperMesh, ANSYS, NASTRAN, HyperView, MATLAB, MINITAB, CATIA, SOLIDWORKS.

JOURNAL PUBLICATIONS

- Narayan B. Doddapattar, S Puneeth, “Optimization of Cutting Parameters using Signal-to-Noise Ratio for Turning Aluminium Alloy Al7050”, International Journal of Ignited Minds, Volume 01, Issue 09, pp 1-6, Sept. 2014.
- Narayan B. Doddapattar, S Puneeth, “Investigation and analysis of main effect and interaction effect for Turning of Aluminium Alloy Al7050”, International Journal on Recent and Innovation Trends in Computing and Communication (ISSN 2321:8169), Volume 02, Issue 09, pp. 2775-2779.
- Narayan B. Doddapattar, S Puneeth, “Parametric Study of The Effect of Machining Parameters In Drilling Using Taguchi Method”, International Journal of Innovative Research in Advanced Engineering (IJIRAE) (ISSN: 2349-2163), Issue 04, Volume 4, April 2017, pp. 13-15.

- Narayan B. Doddapattar, S Puneeth, "Design and Analysis of a Heat Exchanger for an Open Circuit Wind Tunnel control system", International Journal of Innovative Research in Advanced Engineering (IJIRAE) (ISSN: 2349-2163), Issue 04, Volume 4, April 2017, pp. 23-33.
- Dayananda Murthy T, S Puneeth, Dr. H Yogish, N S Kumaraswamy, "A Literature Review on Principle, Construction and Performance of a Tesla Turbine", International Journal Of Innovative Research In Technology, Issue 08, Volume 09, Jan 2023, pp 528-533.

ACADEMIA

Course (Specialization)	Institution	Board/University	Year of passing
Ph.D (TurboMachinery and CFD)	JSS Science and Technology University, Mysuru	JSSSTU	2019 - 2024
M. Tech (Thermal Power Engineering)	MVJCE, Bengaluru	V.T.U.	2010 - 2012
BE (Mechanical Engineering)	VVIET, Mysuru	V.T.U.	2005 - 2009
PUC	Badriprasadji Pre-University College, Mysuru	PU Board, Karnataka	2003 - 2005
SSC	Marimallappa's High School, Mysuru	Karnataka State Board	2000 - 2003

PERSONAL DOSSIER

Date of Birth	:	December 14, 1987
Father's Name	:	C. R. Shankaracharya
Languages known	:	English, Hindi, Kannada
Home Town	:	Mysuru.
Passport	:	Available.

Date:

Place: Mysuru-10 **S. PUNEETH**