

B Yeswanthkumar Reddy

Personal Data

Father Name : B Eswara Reddy, *Retired Principal, Co-operative Training Center*
Mother Name : B Munilakshamma, *Housewife*
Place and Date of Birth : Proddatur, A.P | 12-06-1987
Address : H.No.101, B-Type Quarters, JNTUA College of Engineering, Muddanur Road, Pulivendula, Y.S.R Kadapa, Andhra Pradesh - 516390.
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Objective

Looking forward to serving in an organization which will help me use my potential to the maximum extent and improve my skills in the best interest of the company I work for.

Education

2022 Persuing Ph.D - Design For Manufacturing
National Institute of Technology Goa
Title: "DEVELOPMENT OF RESIN MATERIAL FOR ADDITIVE MANUFACTURING"

2008 – 2011 M.Tech – Design For Manufacturing
Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad
Thesis: "DEVELOPMENT OF HYDRAULIC BRAKING SYSTEM FOR A BICYCLE"
Percentage: 63/100 | Advisor: P.P.C.Prasad

2004 – 2008 B.Tech – Mechanical Engineering
Princeton College of Engineering and Technology, Hyderabad.
Thesis: "Development of Pellet rotation system for Automated Visual Inspection"
Percentage: 63/100 | Advisor: V.P.Raju

2002 – 2004 Intermediate at **Abhyas Junior College, Proddatur.**
Percentage: 58/100

2001 – 2002 S.S.C at **Sri Ravindra High School, Proddatur.**
Percentage: 66/100

Work Experience

Working as Assistant Professor (Adhoc) in JNTUA COLLEGE OF ENGINEERING PULIVENDULA from 16th DECEMBER 2010 to till date.

Computing Skills

- Basic knowledge on M.S.Office, Hardware and Networking.
- Design Softwares known: PRO-ENGINEER 2.0, CATIA V5 R20, SOLIDWORKS 2012.

Academic Projects

Title : **DEVELOPMENT OF HYDRAULIC BRAKING SYSTEM FOR A BICYCLE**

Description : The hydraulic braking system was developed with the help of product development strategies that were proposed by George.E.Dieter. The system was an alternative to the rim brake system. The hydraulic system consists of a master cylinder and two brake cylinders and some of the parts remain unchanged. The master cylinder is designed in such a way that it has to produce the force that is needed to stop the bicycle instantaneously. For reducing the manufacturing cost the cylinders that exist in the market and the brake pads were attached to the cylinders. The system was fabricated and tested for various road and drive conditions.

Publications

1. S.Irfan Sadaq, B.Yeswanth Kumar Reddy, S.Shahar Banu, "Thermo structural Analysis of Nitinol Tube", Scholars Journal of Engineering and Technology, ISSN 2321-435X (online), ISSN 2347-9523 (print).
2. Irfan, B.Yeswanth Kumar Reddy, S.Irfan Sadaq, S.Shahar Banu, "Evolution of Small Scale Solar Pump Using Shape Memory Alloy", International Journal of Emerging Trends in Engineering Research (IJETER), ISSN 2347-3983
3. Yeswanth Kumar Reddy, G.Venkata Subbaiah, S.Pavan Kumar, M.Ashok Kumar, "Exergy Analysis Of Thermal Power Plant" International Journal of Research in Engineering and Technology, eISSN:2319-1163
4. K.Venkata Narayana Raju, B.Yeswanth Kumar Reddy, "Design and Simulation of Die Casting Mould using Robot Paths", International Journal of Innovative Research and Development, Volume 4, Issue 8, July 2015
5. B.Naga Raju, B.Yeswanth Kumar Reddy, "Fabrication of Multi Purpose Robot for Grass Cutting and Floor Cleaning with Wireless Communication", International Journal of Advance Engineering and Research Development, ISSN 2348-4470 (online), ISSN 2348-6406 (print)
6. K. Govardhan Reddy, B.Yeswanth Kumar Reddy, P.M.Naresh Kumar Yadav & Dr.S.Sreenatha Reddy, "Experimental Fabrication of Economical Segway", International Journal of Advanced Trends in Engineering and Technology, ISSN: 2456 – 4664
7. N.Amarnath, B.Purushotham Naik, B.Yeswanth Kumar Reddy, "Automatic Pneumatic Glass Wall Climbing Robot", International Journal of Technical Innovation in Modern Engineering & Sciences, e-ISSN: 2455-2585
8. V.Sirisha Reddy, B.Yeswanth Kumar Reddy, "Optimization of EDM Process Parameters on C70600 and C71500 by using TOPSIS Method", International Journal of Technical Innovation in Modern Engineering & Sciences, e-ISSN: 2455-2585
9. E.Pullarao, B.Yeswanth Kumar Reddy, K.Pavan Kumar Reddy, "Experimental study of single point incremental forming on Aluminium Alloy 1100 for a truncated pyramid shape", The International journal of analytical and experimental modal analysis, ISSN NO: 0886 – 9367
10. M.Mahesh, Yaswanth kumar Reddy, Dr. Y. Rameswara Reddy, "Experimental Investigation Of Machining Parameters On Wire Edm Of Monel 400 Nickel- Copper Based Alloy By using Mcdm-Smart", Mukta shabd Journal , ISSN NO: 2347 – 3150
11. S. Shahar Banu, S. Irfan Sadaq and B. Yeswanth Kumar Reddy, "Design of central air conditioning for building - A case study", AIP Conference proceedings 2648, 020006

Professional Memberships

- Member of IAENG Society of Mechanical Engineering (Member Number: 127666) from 29.08.2013
- Life Member of Indian Society for Technical Education (Member Number: LM90780)

Workshops and Trainings Attended

- 1. Undergone a training program at Nuclear Fuel Complex, Hyderabad from 03.12.2007 to 31.01.2008 and submitted a report on “Development of Pellet Rotation System For Automated Visual Inspection ”.*
- 2. Attended a National Seminar on Advances in Nuclear Power Generation at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad held on 23rd and 24th December 2009.*
- 3. Attended a Faculty Development Program on AUTOCAD 2011 at JNTUA College of Engineering Pulivendula from 22nd to 25th November 2011.*
- 4. Attended MISSION 10X workshop conducted at JNTUA College of Engineering Pulivendula from 26th to 30th December 2011.*
- 5. Attended a Faculty Development Program on Advanced Machining Techniques at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad from 16th to 18th January 2013.*
- 6. Attended a Faculty Development Program on Modeling and Simulations using Finite Element Methods at Indian Institute of Technology, Roorkee from 7th to 11th January 2014.*
- 7. Attended a Faculty Development Program on CFD Applications Using STAR CCM+ at JNTUA COLLEGE of Engineering Pulivendula from 16th to 18th January 2014.*
- 8. Attended a Faculty Development Program on Applications of Finite Element Method Through ANSYS Software at JNTUA COLLEGE of Engineering Pulivendula from 20th to 21th January 2014.*
- 9. Presented a research paper titled “Optimization of turning parameters and cutting tool wear on AlSi1040 using utility theory and Taguchi Method” in the 02nd National Conference on “ Innovations in Mechanical Engineering” at Madanapalle Institute of Technology & Science during 18th to 19th December 2014.*
- 10. Attended a Short Term Course on MECHATRONICS at National Institute of Technical Teachers Training and Research, Chandigarh from 19th to 23rd January 2015.*
- 11. Presented a research paper titled “Design and Analysis of Magnesium alloy Wheel” in the National Conference on “ Innovative Research in Engineering and Technology” at Dr.K.V.Subba Reddy Institute of Technology & Science on 25th April 2015.*
- 12. Presented a research paper titled “Exergy Analysis of Thermal Power Plant” in the National Conference on “Innovative Research in Engineering and Technology” at Dr.K.V.Subba Reddy Institute of Technology & Science on 25th April 2015.*
- 13. Attended a Continuing Professional Development Program on “Internet of Things (IoT) Advanced Level” organized by Engineering Staff College of India from 6th to 10th March 2017.*
- 14. Participated in Research Expo at Indian Institute of Information Technology, Sricity on 07th October 2017.*
- 15. Attended a Siemens Training Program on “Basics of PLC”conducted at JNTUA College of Engineering Anantapur from 13th to 18th November 2017.*
- 16. Attended a Faculty Development Program on “Rapid Casting Techniques (A Hands-on Practice)” at Guru Nanak Institute of Technology, Hyderabad from 27th November to 09th December 2017.*
- 17. Attended a Siemens Training Program on “Basics of Mechatronics”conducted at JNTUA College of Engineering Anantapur from 11th to 18th December 2017.*
- 18. Presented a research paper titled “Fabrication of Low Cost Segway” in the 1st International Confrence on “ Innovations in Mechanical Engineering” at Guru Nanak Institute of Technology from 5th - 6th January 2018.*
- 19. Attended a Faculty Development Program on “3D Printing and Design”at JNTUA College of Engineering Pulivendula from 25th to 29th November 2019.*
- 20. Attended a Two Week Online Faculty Development Program on “Renewable Energy Intervention in Industry, Commercial and Domestic Application” at Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal from 15th to 27th February 2021.*

21. Attended Online Elementary Faculty Development Program on “Processing of Novel Materials” conducted by AICTE Training and Learning (ATAL) Academy at Indian Institute of Technology (BHU) Varanasi from 20th to 24th September 2021.
22. Attended Online Elementary Faculty Development Program on “Novel Materials and its Applications” conducted by AICTE Training and Learning (ATAL) Academy at JNTUA College of Engineering Pulivendula from 4th to 8th October 2021.
23. Attended One Week Online Faculty Development Program on “Advanced Technologies for Emerging Research in Mechanical Engineering” Organized by Department of Mechanical Engineering, Annamacharya Institute of Technology & Sciences, Rajampeta from 5th to 9th December 2022.
24. Attended Week Online Faculty Development Program on “Applications of Artificial Intelligence & Machine Learning in Mechanical Engineering” Organized by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru from 6th to 10th March 2023.
25. Attended Five Day Online Faculty Development Program on “Materials Processing and Characterization” Organized by School of Mechanical Engineering, VIT - AP University, Amaravati from 28th March to 1st April 2023.
26. Attended One Week Online Faculty Development Program on “Innovative and Emerging Thrust Areas of Civil, Electrical and Mechanical Engineering ” Organized by Sandip Foundation’s Shri Ram Polytechnic, Madhubani (Bihar) from 3rd to 8th April 2023.
27. Attended Online Continuing Education Program on “Opportunities and Challenges in Artificial Intelligence and Machine Learning for Mechanical Engineering” conducted by NIT Warangal and NBKRIST Vidyanagar, from 24th to 28th April 2023.
28. Attended Online STTP on “Computational Techniques in Design and Thermal Applications” conducted by NIT Jamshedpur from 29th May to 02nd June 2023
29. Attended SERB - Sponsored One Week High End Karyashala Workshop on “Developments in Additive Manufacturing: Biomedical, Defense, Space, Construction and Aerospace Applications” Organized by Department of Production Engineering, NIT Tiruchirappalli from 5th to 9th June 2023.

NPTEL Online Certification

- Product Design and Development, January - February 2019 (Four Week Course)
- Inspection and Quality Control in Manufacturing, February - March 2019 (Four Week Course)

Research Area

- Product Design
- Design For Manufacturing
- Additive Manufacturing
- Mechatronics

Declaration

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

Date:

Place: Pulivendula

(B.Yeswanthkumar Reddy)