



Dr. Kandukuri Vasantha Kumar

B.E(MECH).,M.E(PROD).,PHD(JNTUH)., MISTE

Coordinator IQAC

MISTE

Mechanical Engineering

Areas of Interest:

Production Engineering

Composite Materials

Finite element methods

- ▶ Educational & Professional

- ▶ Academic Qualifications

- ▶ PhD in COMPOSITE MATERIALS, JNTU HYDERABAD (2009-2014)

- ▶

M.E(PRODUCTION ENGINEERING) in MECHANICAL ENGINEERING SPL IN PRODUCTION ENGINEERING, UNIVERSITY COLLEGE OF ENGINEERING OSMANIA UNIVERSITY with I (1997-2000)

- ▶

B.E (MECHANICAL) in MECHANICAL ENGINEERING, OSMANIA UNIVERSITY with II (1992-1996)

▶ Professional Experience

- ▶ Teaching Experience

- ▶ ASSOCIATE PROFESSOR AND HEAD, NIZAM INSTITUTE OF ENGINEERING & TECHNOLOGY DESHMUKHI (2008-09-02 - 2010-07-07)

- ▶ ASSISTANT PROFESSOR, NIZAM INSTITUTE OF ENGINEERING & TECHNOLOGY DESHMUKHI (2004-12-02 - 2008-09-01)

- ▶ ASSISTANT PROFESSOR, VIJAY RURAL ENGINEERING COLLEGE NIZAMABAD (2000-09-01 - 2004-12-01)

- ▶ At JNTUH

- ▶ ASSISTANT PROFESSOR AND HEAD, JNTUH COLLEGE OF ENGINEERING JAGITIYAL (2019 - Till Date)

- ▶ ASSISTANT PROFESSOR, JNTUH COLLEGE OF ENGINEERING JAGITIYAL (2010 - Till Date)

- ▶ Publications

- **International Journals**

- ▶ Dr.K.Vasanth Kumar, *Influence Of Angle Ply Orientation On Impact Strength Property Of Aramid Fiber Epoxyoxy Reinforced Composite*, Pramana Research Journal, ISBN No.2249-2976, Vol No.9, Issue No.2, pp.461-474, Pramana Research Journal, 2019
- ▶ Dr.K.Vasanth Kumar, *Design And Analysis Of Horizontal Axis Wind Turbine Blade*, Journal applied science and computations, ISBN No.1076-5131, Vol No.VI, Issue No.I, pp.4023-4033, Journal applied science and computations, Jan, 2019
- ▶ Dr.K.Vasanth Kumar, *Design Manufacturing & Analysis Of Carbon Fiber Lower Limb Prosthetic Socket*, International Journal of Research, ISBN No.2236-6124 , Vol No.7, Issue No.v, pp.418-429, International Journal of Research, May, 2018
- ▶ Dr.K.Vasanth Kumar, *Influence Of Angle Ply Orientation On Interlaminar Shear Strength Of Bi Directional Kevlar Fiber Reinforced Composites*, Pramana Research Journal, ISBN No.2249-2976, Vol No.8, Issue No.2, pp.522-532, Pramana Research Journal, 2018
- ▶ Dr.K.Vasanth Kumar, *Dynamic analysis of helmet for improved ventilation*, Journal applied science and computations, ISBN No.1076-5131, Vol No.V, Issue No.II, pp.8-17, Journal applied science and computations, Feb, 2018
- ▶ Dr.K.Vasanth Kumar, *Design And manufacturing Of Horizontal Axis Wind Turbine Blade*, Pramana research journal, ISBN No.2249-2976, Vol No.8, Issue No.6, pp.87-98, pramana research journal, 2018
- ▶ Dr.K.Vasanth Kumar, *Influence Of Angle Ply Orientation On The Inter Laminar Shear Strength Of Glass Fiber Reinforced Composites*, Journal Applied Science and Computations, ISBN No.1076-5131, Vol No.v, Issue No.xii, pp.2520-2526, Journal Applied Science and Computations, December, 2018
- ▶ Dr.K.Vasanth Kumar, *Prioritizing The Risk Priority Number In FMECA A Heuristic Approach*, Universal Review, ISBN No.2277-2723 , Vol No.VI, Issue No.VII, pp.77-85, Universal Review, July, 2017
- ▶ Dr.K.Vasanth Kumar, *Thermo Mechanical Analysis Of Friction Stir Welding Of 6082 Aluminium Alloy For Different Joints*, International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences, ISBN No.2249-7455 , Vol No.7, Issue No.2, pp.54-65, International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences, 2017

- ▶ **Project/Research Guidance**

- **Students**

| Student Name | Title | Year | Download |
|-------------------------------|---|------|----------|
| ASHLESHA SRIRANGAM | DESIGN AND ANALYSIS OF FUSELAGE(AEROPLANE CHASIS) USING E GLASS FIBER LAMINATED PLATE | 2018 | |
| JAKKULA SNOTHASWINI | ANALYSIS OF A BOLTED JOINT UNDER PRE-TIGHTENING AND EXTERNAL LOAD | 2017 | |
| ENDLA VINAY KUMAR | NFLUENCE OF ANGLE PLY ORIENTATION ON IMPACT STRENGTH PROPERTY OF ARAMID FIBER EPOXY REINFORCED COMPOSITE | 2017 | |
| NAGAMALLA SUMANTH KUMAR | NFLUENCE OF ANGLE PLY ORIENTATION ON INTER LAMINAR SHEAR STRENGTH OF BI DIRECTIONAL KEVLAR FIBER REINFORCED COMPOSITE LAMINATES | 2017 | |
| PADALA SHIVA KUMAR | INFLUENCE OF ANGLE PLY ORIENTATION ON THE INTERLAMINA SHEAR STRENGTH OF GLASS FIBER REINFORCED COMPOSITES | 2016 | |
| V RAKESH KUMAR | DYNAMIC ANALYSIS OF HELMET FOR IMPROVED VENTILATION | 2016 | |
| SABHAVAT SHIVA KRISHNA | THERMO MECHANICAL ANALYSIS OF FRICTION STIR WELDING OF 6082 ALUMINIUM ALLOY OF DIFFERENT JOINTS | 2016 | |
| MOHAMMAED OWASIS AHMED SAJJAD | Flexural Fatigue Failure Behaviour of Carbon/Polyester Angle ply Composite Laminate. | 2015 | |
| M.A.IRSHAD | Flexural Fatigue Failure Behaviour of Angle ply Hybrid Composite Composite Laminate. | 2015 | |
| D JAYA PRAKASH | Flexural Fatigue Failure Behaviour of Carbon Epoxy Composite Laminates | 2015 | |
| K NAGASRIDHAR | Effect of angle ply orientation on interlamina shear strength | 2015 | |
| SHAIK QADEER AHMED | DESGN ANALYSIS AND MANUFACTURING OF CARBON FIBER LOWER LIMB PROSTHETIC SOCKET | 2015 | |
| B MANOJ CHANDRA | EFFECT OF ANGLE PLY ORIENTATION ON THE BEHAVIOUR OF COMPOSITE MATERIALS UNDER HYGRO THERMAL CONDITIONS | 2015 | |
| J PRIYANKA | EFFECT OF ANGLE PLY ORIENTATION ON INTERLAMINA SHEAR STRENGTH | 2015 | |
| K SANTOSH GIRISH | DESIGN ANALYSIS AND MANUFACTURING OF HORIZONTAL AXIS WIND TURBINEBLADE | 2015 | |
| M SABITHA | NFLUENCE OF ANGLE PLY ORIENTATION OF STACKING ON MECHANICAL PROPERTIES OF GLASS POLYMER COMPOSITE LAMINATE | 2013 | |
| Student Name | Title | Year | Download |
| Mr. Macharla Ashok | Optimization of Abrasive Wear in Axial Rotation of HDPE Components in Mechanical Developments | 0 | |
| Mr. Pochaiah Shanigaram | Development and Multifunctional Properties of Polymer Nano composites Based on Nano additives for Phase Change Materials | 0 | |

Contact :

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Mechanical Engineering

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