



## **Dr. Kandukuri Vasantha Kumar**

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

**Vice-Principal and 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, UNIVERISITY COLLEGE OF ENGINEERING OSMANIA UNIVERISTY 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 Epoxy Resin 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	DESIGN 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. Pochaiiah 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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