

Name of Faculty Sri P KIRAN KUMAR  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 27-10-2005  
 E-mail Pkirankumar\_mech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	In submission process	
PG	M.Tech	Distinction
UG	BE	First class

Work Experience

Teaching	20 Years
Research	06 years
Industry	02 years
Others	---

Area of Specialization Machine Design, Mechanical vibrations

Professional Memberships ---

Responsibilities held at Institution Level

1. Co in-charge AEC
2. Member canteen committee

Responsibilities held at Department Level

1. Member, Course Expert Group
2. MECHANICA (SUDHEE) Coordinator since 2014
3. Department Library in charge
4. Class Teacher /class attendance monitoring i/c
5. Conducted department quiz for mechanical and production during SHRUTHI-2010,2011&2012
6. Accompanied with 3<sup>rd</sup> year students for pre-placement programme(Ignite) at Infotech , Jan-2009
7. Student Counselor for Mechanical and Production
8. Participated in syllabus revision for KOM, DOM, DME with OU-BOS

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level.

Engineering Graphics, Kinematics of Machines, Dynamics of Machines, Design of Machine Elements, Product Design & Process Planning, Workshop Practice, Auto CAD lab, Dynamics & Vibrations Lab

No. of Papers Published

National Journals – 00 International Journals – 10  
 National Conference – 03 International Conference – 03

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker

1. In ICFAIHE, Hyderabad I have taken Guest Lectures in the subject – DOM, during Feb2013.

No. of Books/Chapter Published with details

1. **Editor** for Proceedings of AICTE Sponsored Two day National Seminar on Machinery Vibration

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (**Attended and/or Organized**).

1. Organized Two day workshop on VACM conducted on 9<sup>th</sup> and 10<sup>th</sup> Jan 2015, Under TEQIP-II
2. Organized Guest Lectures in MECHANICA since 2014.
3. Organized student level workshops during MECHANICA since 2014.
4. FDP on RECENT TRENDS in ROBOTICS organized by IIT-ROOKEE from 4/07/2022 to 15/07/2022.
5. FDP on Vibration and condition monitoring organized by Vasavi College of Engineering, Hyderabad from 20/09/2021 to 24/09/2021.
6. FDP on Emerging Technologies in Automotive Industry, organized by VNRVJIT, Hyderabad from 16/08/2021 to 20/08/2021.
7. STC on WASTE MANAGEMENT organized by NITTTR –Chandigarh from 08/06/2020 to 12/06/2020.
8. STC on OUTCOME BASED EDUCATION organized by NITTTR –Chandigarh from 01/06/2020 to 05/06/2020.
9. STC on CIM and CNC organized by NITTTR – Chandigarh from 25/05/2020 to 29/05/2020.
10. STIC-FDP on “The ROLE of AI & ML in Robotics & Automation” organized by Anurag University, Hyderabad from 01/06/2020 to 03/06/2020.
11. FDP on “Recent Advances In Materials Characterizations” organized by GRIET, Hyderabad from 23/05/2020 to 28/05/2020.
12. FDP on OBE & NBA Accreditation Process organized by CBIT, Hyderabad during 28/05/2020 to 01/06/2020.
13. FDP on Industry 4.0- A Vision of Design & Manufacturing, organized by CBIT, Hyderabad during 16/06/2020 to 20/06/2020.
14. COURSES Completed Under COURSERA:
  - i. AI for everyone (04/06/2020)
  - ii Machine Design Part-I (16/05/2020)
  - iii Mechanics of Materials –I (08/05/2020)
  - iv Digital Manufacturing & Design (21/04/2020)
  - v. Material Science: 10 Things Every Engineer Should Know (20/04/2020).
15. AICTE sponsored, FINITE ELEMENT ANALYSIS AND PRACTICES THROUGH ANSYS” (FEAAPTA-2014) at CBIT, Hyderabad from 17/03/2014 to 29/03/2014.

16. UGC sponsored, at JNTU-Hyderabad, Refresher Course on 'Composite Materials' from 22-07-2013 to 12-08-2013
17. IIT- kharagpur, Short term QIP course on 'service Science' from 08-07-2013 to 12-07-2013
18. under TEQIP-II One week workshop on "COMPUTATIONAL FLUID SCIENCES" at CBIT from 6<sup>th</sup> to 13<sup>th</sup> April 2016.
19. One day workshop on IOT held at CBIT. On 20/02/2016, by KERNEL SPHERE TECHNOLOGIES Pvt. Ltd
20. Short term QIP course on Innovation in Maintenance Management from 21-05-2012 to 25-05-2012 at IIT-Delhi.
21. Participated in F.D.P. conducted by Mahindra Satyam Learning World from 21-06-2012 to 29-06-2012.
22. Two day workshop on Nano Technology and its Applications (NANO-2012) on 27-28 Feb'2012 at CBIT,Hyderabad(TEQIP)
23. 66<sup>th</sup> Orientation Course attended at U.O.H. from 24-06-2010 to 21-07-2010.
24. Two week workshop on Techniques of Effective class room communication from 1-06-2009 to 5-06-2009 & 29-06-2009 to 03-07-2009 at CBIT,Hyderabad.
25. A Two day Post work shop on Mission 10X organized by Wipro Technologies at CBIT, Hyderabad from 09-10-08 to 10-10-2008
26. A one week work shop "Mission 10X" organized by Wipro Technologies at CBIT from 12-02-08 to 16-02-2008
27. National workshop on "Modelling, Meshing & Analysis of mechanical structures" 19-23 june,2006 at SNIST,Hyderabad.
28. F.D.P. by Technical Teachers Training Institute from 1-11-2004 to 9-11-2004 at Vasavi College of Engineering ,Hyderabad

Details of Journal Publications/  
Conferences (National and International)

**International Journal**

1. P. kiran kumar,Dr. J.V. Subrahmanyam "VIBRATION ANALYSIS OF VARIABLE LIQUID FILLED STAINLESS STEEL THIN CYLINDRICAL SHELLS" Journal of Xi'an University of Architecture and Technology, Vol.XIII,Issue6,2021,ISSN NO:1006-7930, pp 329-336.
2. P. KIRAN KUMAR. "Analysis of Aircraft wing". Muktsabad Journal, vol.X,June 2021,ISSN:2347-3150 pp 790-795.
3. P. KIRAN KUMAR. "Analysis of Nose Cone of Missile". International Journal of Engineering Research and Applications (IJERA), vol.10 (07), 2020, pp 24-35.
4. P. Kiran Kumar,"Effect of Sink EDM Process Parameters on Aluminium and Die Steel, International Journal of New Innovations in Engineering and Technology, ISSN: 2319-6319, Volume 14 Issue 1 June 2020, 36-42.

5. P. KIRAN KUMAR & J. V. SUBRAHMANYAM," Analytical And Numerical Approach To Vibration Analysis Of Liquid Filled Aluminum Thincylindrical Shells"IJMPERD ISSN(P): 2249-6890; ISSN(E): 2249-8001 ,Vol. 9, Issue 4, Aug 2019, 677-684 .
6. P. KIRAN KUMAR, K. GURUBRAHMAM & J. V. SUBRAHMANYAM, "Analysis Of Base Excitedstainless Steel Cylindricalshell Subjected Tohorizontal Acceleration",IJMPERD ISSN (P): 2249-6890; ISSN (E): 2249-8001 Special Issue, Jun 2018, 14-21.
7. P.Kiran Kumar,Dr.J.V.Subramanyam,D.Ramakrishna," Experimental Investigation of Al- thin shells subjected to Random Vibrations' Vol4, Issue4, 2016, IJMER ,ISSN-2321-5747.
8. P.Kiran Kumar,Dr.J.V.Subramanyam ,"Review on non-linear vibrations of thin shells", IJERA,2248-9622,Vol:3,Issue:1, Jan2013.
9. L.suresh kumar, P.R.K.Prasad, P.Kiran kumar," Analysis of welding characteristics on S.S. for the process of TIG/MIG with dye penetrate" IJEIT, 2277-3754, Vol2, Issue1, 2012.
10. L.suresh kumar, P.R.K.Prasad, P.Kiran kumar "*Experimental Investigation of welding aspects of AISI 304 & 316, by Taguchi techniques for the process of TIG & MIG welding*" International journal of Engineering Trends & Technology ,vol.2, Issue 2, 2011.

#### International National Conferences

1. P. KIRAN KUMAR, K. GURUBRAHMAM & J. V. SUBRAHMANYAM" Analysis Of Base Excited stainless Steel Cylindrical shell Subjected To horizontal Acceleration", ICEMS2017, MRCET, Hyderabad..
2. P.Kiran kumar ,D. Ramakrishna, Dr. J.V. Subramanyam," Base Excited random vibration analysis of thin shells", ICCMS2016, June 27- July01, 2016, IITB, Mumbai
3. P.Kiran kumar ,D. Ramakrishna, Dr. J.V. Subramanyam." EXPERIMENTAL INVESTIGATION OF AL -THIN SHELLS SUBJECTED TO RANDOM VIBRATIONS", TIME-2016, 10<sup>th</sup>&11<sup>th</sup> Feb 2016, CBIT, MED, Hyderabad.
4. Attended International Conference on Computational Methods in Engineering & Science organized Chaitanya Bharathi Institute of Technology, Hyderabad from 8<sup>th</sup> to 10<sup>th</sup> January'2009.

#### National Conferences

1. "Damage detection in FRP laminated composites with circular crack" in the proceedings of National conference on Advances in Mechanical Engineering 8-9 may, 2005, Vasavi college of Engineering, Hyderabad.
2. "Damage detection in FRP laminated composites using Natural frequencies" in the proceedings of National conference on Recent Trends in Machine Design & I.C. Engines 14-02-2004, RGM CET, Nandyal.
3. National conference on "Skill development and Entrepreneurship' conducted by State and central Government for Innovation & Entrepreneurship Development in India, April 27-28, 2018, ISBN:978-93-87997-42-4, Pg129.