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## Bio-data

Name : Dr. Smt. G. Prasanthi

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Nationality : Indian

Religion : Hindu

Date of Birth & Place of Birth: 4<sup>th</sup> July, 1971  
Jammalamadugu,  
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Andhra Pradesh (India)

### Educational Qualifications:

| S. No. | Qualification | University/Institution                     | Specialization                        | Year of award |
|--------|---------------|--|---------------------------------------|---------------|
| 1.     | Ph. D         | JNTU College of Engineering,<br>Anantapur. | Ph.D. in<br>Mechanical<br>Engineering | June,<br>2007 |
| 2.     | M.E           | BITS, Pilani,<br>Rajasthan                 | M.E<br>Mechanical<br>Engineering      | June,<br>1994 |
| 3.     | B.Tech        | JNTU College of Engineering,<br>Anantapur  | B.Tech<br>Mechanical<br>Engineering   | June,<br>1992 |

### Details of Doctoral thesis:

Area : Mechanical Engineering

Title : “Multi Attribute Decision Making – Applications for the Design of Flexible Manufacturing Systems”

Supervisor : Dr.K.Narasaiah Chetty,  
Professor (Retired) JNTU College of Engineering, Anantapur

Year of award of Ph.D. : 2007

### Professional Experience :

| S.No. | Institution/Organization                | Position held       | Duration             |
|-------|---|---------------------|----------------------|
| 1     | JNTUA College of Engineering, Anantapur | Professor           | Since 1/3/2010       |
| 2     | JNTU College of Engineering, Anantapur  | Associate Professor | 1/6/2003-28/2/2010   |
| 3     | JNTU College of Engineering, Anantapur. | Assistant Professor | 31/10/1999-31/5/2003 |

## Administrative Experience :

| S.No. | Administrative Post held   | Duration                           |
|-------|--|------------------------------------|
| 1     | Director,<br>Faculty Development & IQAC<br>School of Continuous and Distance Education                   | 31-03-2018 till date               |
| 2     | University Nodal Officer for a pilot project on English communication skills by British Council & APSCHE | Since 2017                         |
| 3     | Director,<br>Industrial Relations and Placements & School of Continuous and Distance Education, JNTUA.   | From 15/10/2016 - 4-04-2018        |
| 4     | Co-ordinator, Women Empowerment Cell, JNTUA  | Since January, 2015                |
| 5     | Officer I/C, Entrepreneurship Development Cell, JNTUA College of Engineering, Ananthapuramu              | From July,2015- November,2016      |
| 6     | Head of Mechanical Engineering Department, JNTUA College of Engineering, Ananthapuramu                   | From September,2010- November,2012 |
| 7     | Officer In-charge of Work-shop and Transport at JNTUA College of Engineering, Ananthapur                 | September,2008- September,2010     |
| 8     | Co-ordinator ,Mechanical Engineering Students' Association, JNTU College of Engineering, Anantapur,      | 2005-2009                          |
| 9     | Headed "Protection of Girl Student Committee" of JNTU College of Engineering, Anantapur                  | 2004                               |

**Teaching Experience:** 24 years to teach UG & PG Courses

## Subjects Taught:

| Undergraduate courses   | Post graduate courses  |
|---|--|
| <ul style="list-style-type: none"><li>❖ CAD/CAM</li><li>❖ Automation and Robotics</li><li>❖ Machine tools</li><li>❖ Manufacturing Technology</li><li>❖ Metrology</li><li>❖ Unconventional Machining Processes</li><li>❖ Heat Transfer</li><li>❖ Theory of Machines</li><li>❖ Kinematics of Machinery</li><li>❖ Dynamics of Machines</li><li>❖ Operations Research</li><li>❖ Production Planning and Control</li></ul> | <ul style="list-style-type: none"><li>❖ Conduction and Radiation Heat Transfer</li><li>❖ Instrumentation and Control System</li><li>❖ Computer Aided Design &amp; Drafting</li></ul> |

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>❖ Engineering Graphics</li> <li>❖ Instrumentation</li> <li>❖ Materials Science &amp; Metallurgy</li> <li>❖ C Programming and Numerical Methods</li> <li>❖ Computer Graphics</li> <li>❖ Power Plant Engineering</li> <li>❖ Finite Element Methods</li> <li>❖ Machine Drawing</li> <li>❖ Entrepreneurship</li> <li>❖ Machine Design</li> </ul> |  |
|---|--|

**Invited Lectures:**

- ❖ More than 20 invited lectures are delivered in reputed institutions in the areas of CAD/CAM, Energy Conservation, Teaching Methodologies, Entrepreneurship, Women Empowerment etc.

**Research Projects completed as Co-ordinator:**

- ❖ AICTE has sanctioned an amount of Rs.2.5 Lakhs under & D Project the in the year 2001 in the area of “ Multi- Attribute Decision Models for the Design and Operation of FMS “
- ❖ Project under Innovative Research Programme, UGC XII Plan “Development of a Flexible Domestic Solar Dryer”

**Research Experience and Guidance provided:**

Total research experience : 22 years

- ❖ Guided 50+ Undergraduate projects and 74 Postgraduate theses
- ❖ Guided students to work and present the research papers in student paper contests
- ❖ Presently, supervising Research scholars for their Ph. D.

**Number of Research publications:**

|                           |   |     |
|---------------------------|---|-----|
| International Journals    | : | 102 |
| National Journals         | : | 09  |
| International Conferences | : | 26  |
| National Conferences      | : | 17  |

**Performance Indices of Publications:** (as on 28<sup>th</sup> November, 2018)

|                 |   |     |
|-----------------|---|-----|
| Total Citations | : | 110 |
| h -Index.       | : | 06  |
| i-10 Index      | : | 02  |

**Text Books / Monographs Authored:**

1. “EGR Techniques in a Diesel Engine using Bio-Diesel Blends” by Vootukuri Venkata Prathibha Bharathi, Guvvala Prasanthi, ISBN-13: 978-3-659-84526-0, ISBN-10:3659845264, EAN: 9783659845260, Scholar’s Press, Germany, 12-12-2016.
2. “Reliability Prediction of a Mechanical Assembly”, Chapter for Introduction to Mechanical Engineering (Book Code: IME), ISBN No: 978-81-935729-7-9, Chapter: 9, pp.128-137, Research India Publications, Delhi.
3. “A Text Manual of Engineering Workshop Technology” by Balasubramanyam, N, Prasanthi,G, PDF- eBook- ISBN:978-3-96067-547-1, Anchor Academic Publishing, Hamburg, 2016.
4. A monograph on “Computer Numerical Control (CNC) Machining” published for the Workshop “Trends in CNC Machining” in August, 2005.

**Research guidance provided**

| Name of the Research Scholar | Title of the Thesis  | Year of award |
|------------------------------|--|---------------|
| Details of Ph. Ds’ Awarded   |  |               |
| Dr.V.V.Prathibha Bharathi    | The Influence of Air Swirl and Exhaust Gas Recirculation on Combustion and Emission in a Diesel Engine Using Bio-Diesel Blends | 2014          |
| Dr.M.Adinarayana             | Optimization of Cutting Parameters for Turning Operation   | 2016          |
| Dr.D.Sudhakara               | Investigation on Effect of Machining Variables on the Performance of EDM-Wire Cut  | 2017          |
| Dr.B.Madhava Varma           | Effect of Oxygenated Fuel on Vibration, Combustion, Performance and Emission Characteristics of Compression Ignition Engine    | 2017          |
| Dr.B.Sreenivasulu            | Experimental and Simulative Analysis of Tube Hydro forming   | 2018          |

|                   |  |      |
|-------------------|--|------|
| Dr.A.Sreenivasulu | Simulation Modelling and Analysis of Part and Tool Movement in a Flexible Manufacturing system | 2018 |
|-------------------|--|------|

### Details of Ph. Ds' under the supervision (Presently)

| S. No. | Names of Research scholars | Area of the Research                 |
|--------|----------------------------|--------------------------------------|
| 1      | G.Rajesh                   | I.C.Engines                          |
| 2      | B.Venkatesh                | I.C.Engines                          |
| 3      | M.Prathusha                | Material Science                     |
| 4      | M.SivaSurya                | Material Technology                  |
| 5      | K.Srinivasa Rao            | Heat Transfer                        |
| 6      | P.Ravindra Reddy           | Unconventional Machine Process       |
| 7      | T.Vadivelu                 | Design and Manufacturing Engineering |
| 8      | D.Sivananda Reddy          | Machine Design                       |
| 9      | Chittam Rajesh             | Manufacturing Engineering            |
| 10     | B.Ramanjaneyulu            | Composite Materials                  |

### List of publications:

#### International Journals:

- 1.Dr.G.Prasanthi and R. Narayana Reddy, "Additional Add – In Function to Microsoft Office Suite", The Technology World, ISSN 2180-1614, Vol: 5, Issue: 1, Oct-Nov, 2009, pp.337-339.
- 2.Dr.G.Prasanthi, R. Narayana Reddy and S. Rama Bhupal Reddy, "Multi-Attribute Decision Making Model for Part Family Formation", The Technology World, ISSN 2180-1614, Vol:5, Issue: 1, Oct-Nov, 2009, pp.401-404.
- 3.Dr.G.Prasanthi, R. Narayana Reddy and S. Rama Bhupal Reddy "Multi Attribute Decision Making Model For The Evaluation Of Flexible Manufacturing System", Indian Journal of Science and Technology, ISSN 0974-6846, Vol:2, No:12, Dec., 2009, pp.55-58.
- 4.Dr.G.Prasanthi and R. Narayana Reddy, "Machine Selection in Flexible Manufacturing System Using Analytic Hierarchy Process", Research Journal of Engineering and Technology, ISSN 0974-2824, Vol:3, Issue:1, Jan-Mar., 2010, pp.20-24.
- 5.Dr. G.Prasanthi, R. Narayana Reddy, S. Rama Bhupal Reddy, and Dr. B. Anjaneya Prasad, "Np Model – A Handy Tool for Evaluation of FMS Alternatives", International Journal of Engineering Research and Industrial Applications, (IJERIA), ISSN 0974-1518, Vol: 3, No:1, Feb., 2010, pp.143-154.

6. Dr. G. Prasanthi, R. Narayana Reddy, "A Multi-Attribute Decision Making Approach to Machine Selection in Flexible Manufacturing Cell", *Internal Journal of Mathematical Sciences and Engineering Applications*, (IJMSEA), ISSN 0973-9424, Vol: 4, No: 1, March, 2010, pp.127-136.
7. V. Sumalatha and Dr. G. Prasanthi "Link Quality Based Adaptive Routing For Ad-Hoc Network", *The Technology World*, ISSN 2180-1614, Vol:5, Issue:1 March-April, 2010, pp. 35-38.
8. Dr. G. Prasanthi, R. Narayana Reddy and S. Chandra Jyothsna, "Simulation of Road Surface Profile", *International Journal of Multidisciplinary Research and Advances in Engineering*, (IJMRAE), ISSN 0975-7074, Vol: 2, No:1, April, 2010, pp.15-23.
9. Dr. G. Prasanthi, R. Narayana Reddy and Kartheek Peddakotla, "Quality Control to Quality Assurance – A Change in Approach to Gradation of Material in Highway Construction" *International Journal of Multidisciplinary Research and Advances in Engineering*, (IJMRAE), ISSN 0975-7074, Vol: 2, No:1, April, 2010, pp.25-31.
10. Dr. G. Prasanthi, V. Sumalatha and A. Sudheer, "Optimum Design of Boost Converter for Charging the Battery by Non-Conventional Energy Source", *Indian Journal of Science and Technology*, ISSN 0974-6846, Vol: 3, No: 7, July, 2010, pp.724-726.
11. S. L. V. Prasad, V. Pandurangadu, G. Prasanthi, V. V. Prathibha Bharathi and V. V. Naga Deepthi "The Effect of Air Swirl in a Diesel Engine" *African Journal of Scientific Research*, ISSN 2220-9433, Volume 3, No:1, 2011, pp.204-212.
12. S. L. V. Prasad, V. Pandurangadu, G. Prasanthi, V. V. Prathibha Bharathi and V. V. Naga Deepthi "Effect of Intake Manifold Air Swirl on Diesel Engine Performance" *African Journal of Scientific Research*, ISSN 2220-9433, Volume 5, No:1, 2011, pp.244-254.
13. Dr. M. Yohan, Dr. G. Prasanthi and S. Saboor "An Experimental Approach to Reduce the Effect of Starving on Compressor in Vapour Compressor Refrigeration System", *Technology Today*, ISSN 2180-0987, Vol:III, Issue:2 March, 2011, pp. 173-178.
14. Dr. M. Yohan, Dr. G. Prasanthi and P. S. Bharadwaj "Experimental Investigations on Semi-Adiabatic Diesel Engine Using Karanji as Fuel", *The Technology World*, ISSN 2180-1614, Vol:III, Issue:3 June, 2011, pp. 15-24.
15. B. Venkatesh and Dr. G. Prasanthi "Emission Control using Water Emulsified Diesel In Single Cylinder Diesel Engine", *Coimbatore Institute of Information Technology International Journal of Programmable Device Circuits and Systems*, ISSN 0974-9624 (Online), An Online International Journal available at <http://ciitresearch.org>, August 2011, DOI: PDCS082011036.
16. V. V. Prathibha Bharathi and G. Prasanthi "Influence of In cylinder Air Swirl on Diesel Engine Performance and Emission", *International Journal of Applied Engineering and Technology*, ISSN 2277-212X (Online), An Online International Journal available at <http://www.cibtech.org/jet.htm>, 2011 Vol. 1(1) October-December, pp.113-118.
17. D. S. Jaheer Basha and Dr. G. Prasanthi, "Experimental Investigation on Modified Exhaust After treatment System for Diesel Engine Emissions", *International Journal of Engineering and Innovative Technology (IJEIT)*, ISSN: 2277-3754, ISO 9001:2008, Vol: 1, Issue 6, June 2012, pp.211-214.
18. V. V. Prathibha Bharathi and Dr. Smt. G. Prasanthi, "Experimental Investigation on the Effect of Air Swirl on Performance and Emissions Characteristics of a Diesel Engine Fueled with Karanja Biodiesel" *International Journal of Engineering Research and Development*, e-ISSN:2278-067X, p-ISSN: 2278-800X, [www.ijerd.com](http://www.ijerd.com), Volume 2, Issue 8 ( August 2012), PP.08-13.
19. V. V. Prathibha Bharathi and G. Prasanthi "Investigation on the effect of EGR with Karanja Biodiesel and Grooved Piston with Knurling in an Internal Combustion Engine", *IOSR Journal of Engineering (IOSRJEN)*, e-ISSN 2250-3021, p-ISSN 2278-8719, An Online International Journal available at <http://www.iosrjen.org>, Vol.2, Issue 9, September 2012, pp.25-31.
20. V. V. Prathibha Bharathi and Dr. G. Prasanthi "Experimental Investigations on the Effect of Exhaust Gas Recirculation with Karanja Bio-diesel in a Diesel Engine", *International Journal of Materials Manufacturing and Optimization (IJMMO)*, International Sciences Press, India, ISSN 0976-612X, Vol.3, Number 2, July-December, 2012, pp.80-86.

21. Venkataramana Naik, G. Prasanthi, D. Sudhakar and M. Jayapal Reddy, "Finite Element Vibration Analysis of Pre-stressed Functionally Graded Plates", International Journal of Mechanical Engineering and Robotics Research, ISSN 2278-0149, [www.ijmerr.com](http://www.ijmerr.com), Vol. I, No.3, October 2012, pp.457-466.
22. Dr. G. Prasanthi and Mirza Hyder Ali Baig, "Reliability Prediction of a Mechanical Valve by Using NSWC Method", International Journal of Advanced Mechanical Engineering, ISSN 2250-3234, Vol.2, Number 1, Jan.-Dec., (2012), pp. 35-42.
23. K. Mahesh and G. Prasanthi, "Fabrication of an Effective Induction Motor for Photovoltaic Pumping", International Electrical Engineering Journal (IEEJ), ISSN 2078-2365, Vol. 3 (2012) No. 3, pp.798-802.
24. D. Sudhakara and G. Prasanthi, "Effect of Machining Parameters on Metal Removal rate of Vanadis 4E (Powder Metallurgical Cold worked Tool Steel) with WEDM by Taguchi Method", International Journal of Emerging Trends in Engineering and Development, ISSN:2249-6149, available online on [http://www.rpublication.com/ijeted/ijeted\\_index.htm](http://www.rpublication.com/ijeted/ijeted_index.htm), Issue 3, Vol.1 (January 2013), pp.250-263.
25. Mirza Hyder Ali Baig and Dr. G. Prasanthi, "Failure Modes and Effect Analysis of a Mechanical Assembly by Using Mil-Std 1629a Method", International Journal of Advanced Information Science and Technology (IJAST), ISSN: 2319:2682, Vol.13, No.13, May 2013, pp.17-20.
26. V. V. Prathibha Bharathi and Dr. G. Prasanthi, "The Influence of Air Swirl on Combustion and Emissions in a Diesel Engine", International Journal of Research in Mechanical Engineering & Technology (IJRMET), International Sciences Press, India, ISSN 2249-5762(Online) on [www.ijrmet.com](http://www.ijrmet.com), ISSN 2249-5770(Print), Vol.3, Issue 2, May-Oct, 2013, pp.14-16.
27. B. Madhava Verma, N. Ravi Kumar, G. Prasanthi, "Experimental Investigation of Performance and Emission Characteristics of Diesel Engine Fueled with Linseed Bio Diesel", International Journal of Current Research and Review, ISSN: 2231-2196 (Print), ISSN:0975-5241(Online) available on [www.ijcrr.com](http://www.ijcrr.com), IC Value: 4.18, Vol.5, Issue 12, June, 2013, pp.125-133.
28. Dr. G. Prasanthi and S. Ruksana Begum, "Multi-functional walking Cane for the Blind", Research Journal of Engineering and Technology, ISSN 0974-2824, Vol: 6, Issue:3, July-September, 2013, pp.5-8.
29. G. Prasanthi and Sireesharevathi. D, "Design of Air Conditioning and Ventilation System for a Multi-Story Office Building", International Journal of Research in Engineering and Technology, (IJRET), e-ISSN: 2319-1163 | pISSN:2321-7308, available @ <http://www.ijter.org>, Vol.02, Issue:08, August, 2013, pp.360-364.
30. M. Adinarayana, G. Prasanthi and G. Krishnaiah, "Multi Objective Optimization during Turning of EN24 Alloy Steel", Internal Journal of Engineering Research and Application, (IJERA), ISSN 2248-9622, Vol: 3, Issue:5, September-October, 2013, pp.1193-1198.
31. P. Nagendra and Dr. G. Prasanthi, "Design of Hydel Power Plant at Mir-Pennar Reservoir", International Journal of Engineering Trends and Technology", (IJETT), ISSN: 2231-5381, available @ <http://www.ijettjournal.org>, Vol. 4, Issue: 10, October, 2013, pp.4442-4448.
32. B. Sreenivasulu, G. Prasanthi and T. Naresh Kumar, "Simulative Analysis of Tube Hydroforming Process", International Journal of Research in Engineering and Technology, (IJRET), eISSN:2319-1163, pISSN:2321-7308, available at <http://www.ijret.org>, Vol:02, Issue:11, November, 2013, pp.756-763.
33. M. Adinarayana, G. Prasanthi and G. Krishnaiah, "Optimization for Surface Roughness, MRR, Power Consumption in Turning of EN24 Alloy Steel using Genetic Algorithm", Internal Journal of Mechanical Engineering and Robotics Research, (IJMERR), ISSN 2278-0149, Vol: 3, No:1, January, 2014, pp.1-7.
34. N. Balasubramanyam and Prof. Smt. G. Prasanthi, "Design and Fabrication of an Automatic PC-based Drilling Machine", HCTL Open International Journal of Technology Innovations and Research, (HCTL Open IJTIR), e-ISSN:2321-1814, ISBN (Print) : 978 - 1 - 62951 - 250 - 1, available @ [http://www.hctl.org/ijtir/vol7/IJTIR\\_Article\\_201401001.pdf](http://www.hctl.org/ijtir/vol7/IJTIR_Article_201401001.pdf), Vol:7, January, 2014, pp.1-13.
35. D. Sudhakara and G. Prasanthi, "Review of Research Trends: Process Parametric Optimization of Wire Electrical Discharge Machining (WEDM)", International Journal of Current and Technology, E-ISSN 2277-4106, P-ISSN 2347-5161, ©2014 IMPRESSCO®, available at <http://impressco.com/category/ijcet.special> Issue-2, ( February 2014), pp.131-140.
36. M. Adinarayana, G. Prasanthi and G. Krishnaiah, "Parametric Analysis and Multi Objective Optimization of Cutting Parameters In Turning Operation Of AISI 4340 Alloy Steel With CVD Cutting Tool", International

- Journal of Research in Engineering and Technology,(IJRET),eISSN: 2319-1163, pISSN: 2321-7308, Volume:03,Issue:02, Feb-2014, available at <http://www.ijret.org>, pp.449-456.
- 37.N.Balasubramanyam and G.Prasanthi, "Design and Analysis of Disc Brake Rotor for a Two Wheeler", International Journal of Mechanical and Industrial Technology (IJMIT), ISSN:2348-7593, Vol.1, Issue1, pp.7-12), Month: October 2013-March 2014, Available at : [www.researchpublish.com](http://www.researchpublish.com), pp.7-12.
  - 38.Rajesh Guntur, G. Prasanthi and N. Ravi Kumar, "Effect of Compression Ratio on Performance and Emission characteristics of VCR Diesel Engine Using Mahua Methyl Ester", IJMES Volume 7, Issue 1 January-June 2014, pp.35-39.
  - 39.Prasanthi and KisoreKumar,"Design Of A Flexible Bridge Across The Railway Platform",i-manager's Journal on Structural Engineering, ISSN(Print): 2278-7887,ISSN(Online):2320-2343, available @[www.imanagerpublications.com](http://www.imanagerpublications.com), Vol.3, No.2, June-August 2014, pp.14-19.
  - 40.K.Dinesh Kumar and Dr.G.Prasanthi, " Experimental Investigation on a Diesel Engine Fuelled with Orange Oil Diesel Blends Using E.G.R.System", Transactions on Engineering and Sciences, ISSN:2347-1964 (Online), 2347-1875( Print), available @ [http://techscripts.org/cur\\_tes.html](http://techscripts.org/cur_tes.html), Vol.2,Issue 11, November 2014, pp. 32-36.
  - 41.Dr.G.Prasanthi and M.Hari Narayana, "Design of Converter for Solar Power Fencing System for an Agriculture Field", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, (An ISO 3297:2007 Certified Organization), ISSN(Print):2320-3765, ISSN(Online):2278-8875, available @ [www.ijareeie.com](http://www.ijareeie.com), Vol.3, Issue 11, November 2014, pp.1-7.
  - 42.BongaRamasanjeewa Reddy, D.Sasidhar Reddy and Dr.G.Prasanthi, "Experimental Investigations on Performance Improvement of Silicon Solar Panels", Transactions on Engineering and Sciences, ISSN:2347-1964 (Online), 2347-1875( Print), available @ [http://techscripts.org/cur\\_tes.html](http://techscripts.org/cur_tes.html), Vol.2,Issue 12, December 2014, pp. 37-40
  - 43.S.Venkateswarlu, Dr.G.Prasanthi, Dr.M.Yohan: "Effect of Injector Opening Pressure on the Performance and Emission characteristics of DI Diesel Engine Running on Honne Oil and diesel Fuel blend", GE-International Journal of Engineering Research, ISSN:2321-1717, available @ [www.aarf.asia](http://www.aarf.asia), IF:3.022,Vol:2,December,2014,Issue:10, pp. 1-11.
  - 44.N.Balasubramanyam, Prof.Smt.G.Prasanthi, R.Satheesh and M.Yugandhara,"Design and Analysis of a Composite Propeller", International journal of Engineering Research, ISSN:2321-7758, available @ [www.ijoer.in](http://www.ijoer.in), Vol.3., Issue.1, 2015, pp.66-73.
  - 45.N.Balasubramanyam, Prof.Smt.G.Prasanthi and P.Gnana Prakash, "Design, Modeling and Analysis of VSA Bracket", International Journal for Scientific Research & Development,(IJSRD),Vol.2, Issue1, 2015\ISSN(online):2321-0613, available @ [www.ijrsrd.com](http://www.ijrsrd.com), pp. 518-521.
  - 46.Dr.G.Prasanthi and P.Tejaswitha, "Sensor assisted stick for the blind people", Transactions on Engineering and Sciences, ISSN: 2347-1964 (Online), 2347-1875( Print), available @ [http://techscripts.org/cur\\_tes.html](http://techscripts.org/cur_tes.html), Vol.3,Issue 1,January 2015, pp. 12-16.
  - 47.N.Balasubramanyam, G.Prasanthi and M.Yugandhar, " Study of Coated TiN and TiC on Cutting Tools for the PVD and CVD Coated Tungsten Carbide by Sand Blasting Pre-treatment of Nickel and Carbon", International Journal of Advanced Science and Technology,(IJAST), available @ <http://dx.doi.org/10.14257/ijast.2015.75.06>, ISSN: 2005-4238,Vol.75 (2015), Vol.75 (2015), pp.51-58.
  - 48.Chandra Sekhar Macha, Dr.G.Prasanthi, "A Literature review on importance of Creative & Innovation in Product Design: To the Global Turbulent market", International Journal on Recent Technologies in Mechanical and Electrical Engineering (IJRMEE),available @ <http://www.ijrmee.org>, May,2015,ISSN: 2349-7947, Vol:2, Issue:5, pp.072-079.
  - 49.N.Balasubramanyam, G.Prasanthi and M.Yugandhar, "Design and analysis of a bicycle wheel spokes and their effects of the number of spokes on their stiffness", International Journal of Applied Sciences and Engineering Research,(IJASER), available at [www.ijaser.com](http://www.ijaser.com), ISSN: 2277-9442, doi:10.6088/ijaser.04030, Vol.4, Issue 3, June 2015, pp 300-306.
  - 50.Dr.G.Pasanthi and P.VijayaPavani, "Design and Development of New Passenger Seat for Electrical Multiple Unit Trains", Journal of Multidisciplinary Engineering Science and Technology (JMEST),

available@<http://www.jmest.org/vol-2-issue-8-august-2015/>, ISSN:3159-0040, Vol. 2, Issue 8, August,2015, pp. 2136-2139.

51. Dr.G.Prasanthi and T.Jayamadhuri, “Effects of Dust on the Performance of Solar Panel and Improving the Performance by using Arm Controller and Gear Motor based Cleaning Method”, International Journal of Innovative Science, Engineering & Technology (IJSET), available @ <http://ijiset.com/articlesv2/articlesv2s9.html>, ISSN:2348-7968, Vol. 2, Issue 9, September 2015, pp. 329-334.
52. A.Sreenivasulu, N.Venkatachalapathi and G.Prasanthi, “Modelling and Analysis for Minimization of Mean Flowtime in FMS Simulation”, Journal of Advanced Manufacturing Systems(JAMS),available@ <http://www.worldscientific.com/doi/10.1142/S0219686715500158>, Vol.14, Print ISSN: 0219-6867, Online ISSN: 1793-6896 No.4 (2015), pp.235-245.
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### **National Journals:**

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### **International Conferences:**

1. ILSCM 2008, 4<sup>th</sup> International Conference on Logistics and Supply Chain Management , by The Centre for Supply Chain Management, PSG College of Technology , Coimbatore in Collaboration with The Center for Supply Chain Management, Central Michigan University, Mt. Pleasant, MI. 48859, USA.
2. ICAET – 2011, International Conference on Advances in Engineering and Technology – 2011 E.G.S. Pillay Engineering College, Nagapattinam. Emission Control Using Water Emulsified Diesel in Single Cylinder Diesel Engine. May 27-28, 2011
3. Tenth AIMS International Conference on Management The association of Indian Management Scholars International, Indian Institute of Management, Bangalore. Analyzing Simulation Modeling for AGVS Material Handling Systems January 6– 9, 2013.
4. ILSCM 2008, 4<sup>th</sup> International Conference on Logistics and Supply Chain Management , by The Centre for Supply Chain Management, PSG College of Technology , Coimbatore in Collaboration with The Center for Supply Chain Management, Central Michigan University, Mt. Pleasant, MI. 48859, USA. PSG College of Technology, Coimbatore. Multi Attribute Decision Making Model For The Evaluation Of Flexible Manufacturing System. August 7-9, 2008
5. ICAET – 2011, International Conference on Advances in Engineering and Technology – 2011. E.G.S. Pillay Engineering College, Nagapattinam. Emission Control Using Water Emulsified Diesel in Single Cylinder Diesel Engine. May 27-28, 2011
6. Tenth AIMS International Conference on Management The association of Indian Management Scholars International, Indian Institute of Management, Bangalore. January 6– 9, 2013
7. International Conference on Alternate Fuels for I.C.Engines. (ICAFICE 2013) MNIT , Jaipur Performance and Emission Characteristics of a High Speed Diesel Engine Fueled with Tobacco Seed Oil Methyl Esters February 6-8, 2013
8. International Conference on Alternate Fuels for I.C.Engines. (ICAFICE 2013) MNIT , Jaipur Experimental Investigation of Performance, Emission & Vibration Characteristics of a CI Engine Fueled with Soybean Methyl Esters February 6-8, 2013
9. Tenth AIMS International Conference on Management. (AIMS-13) IIM, Bangalore. Analyzing Simulation Modeling For Automated Guided Vehicles Material Handling Systems. 6-9 January,2013
10. Indian Technology Congress 2013. NIMHANS Convention Centre, Bengaluru Multi Objective Optimization during Turning of EN24 Alloy Steel July 24-25, 2013

11. International Conference on Advances in Mechanical Sciences. Department of Aeronautical, Civil and Mechanical Engineering, Vardhaman College of Engineering, Hyderabad, Andhra Pradesh. Review of Research Trends: Process Parametric Optimization of Wire Electrical Discharge Machining (WEDM) January 9-11, 2014
12. International Conference on Recent Advances in Mechanical Engineering and Interdisciplinary Developments (ICRAMID-2014) Ponjesly College of Engineering, Nagercoil Effect of Compression Ratio on Combustion and Emission Characteristics of C.I. Engine 7-8 March, 2014
13. International Conference on Recent Advances in Mechanical Engineering and interdisciplinary Developments (ICRAMID-2014) Ponjesly College of Engineering, Nagercoil Combustion Characteristics of a Variable Compression Ratio CI Engine with Alternate Fuel 7-8 March, 2014
14. International Colloquium on Materials, Manufacturing and Metrology (ICMMM) IITM, Chennai Experimental Investigation of Optimization of Process Parameters of Wire Cut EDM by Taguchi Method 8-9 August, 2014
15. International Multi Conference on Innovations in Engineering & Technology, IMCIET-2014 Vijaya Vittala Institute of Technology, Bangalore Vibration Analysis of Diesel Engine Fuelled with Neem Methyl Ester Blends 21-23 August, 2014
16. International Multi Conference on Innovations in Engineering & Technology, IMCIET-2014 Vijaya Vittala Institute of Technology, Bangalore Performance, Combustion & Emission Analysis of Diesel Engine Fuelled with Neem Methyl Ester blends 21-23 August, 2014
17. International Conference on Advances in Design & Manufacturing (ICAD&M'14) NIT Trichy Modelling and Analysis for minimization of Mean flow time in FMS Simulation 5<sup>th</sup> -7<sup>th</sup> December 2014
18. 12<sup>th</sup> Global congress on manufacturing and management (GCMM2014) VIT, Vellore Application of Taguchi method for determining optimum surface roughness in Wire cut EDM of P/M cold worked tool steel (VANADIS-4E) 8 – 10 December, 2014
19. 12<sup>th</sup> Global congress on manufacturing and management (GCMM2014) VIT, Vellore FEA Simulation analysis of Tube Hydro forming process using DEFORM-3D 8 – 10 December, 2014
20. 5<sup>th</sup> International & 26<sup>th</sup> All India Manufacturing Technology, Design and Research Conference (AIMTDR 2014) IIT Guwahati, Assam, India. Optimization of Dimensional deviation: Wire-Cut EDM of Vanadis-4E (Powder Metallurgical Cold Worked Tool Steel) by Taguchi Method 12<sup>th</sup> -14<sup>th</sup>, December 2014
21. International Conference on Environment and Energy - 2014 (ICEE-2014) JNTUH, Hyderabad Experimental Investigation of Combustion & Vibration Characteristics of Diesel Engine Fuelled with Neem Methyl Ester 15<sup>th</sup> -17<sup>th</sup> December 2014
22. International Conference on Environment and Energy JNTUH, Hyderabad Combustion and Emission Characteristics of VCR Diesel Engine using Tobacco Seed oil Methyl Ester 15<sup>th</sup> -17<sup>th</sup> December 2014
23. International Conference on Environment and Energy JNTUH, Hyderabad Effect of EGR on NO<sub>x</sub> Emission of Mahua Methyl Ester Fuelled C.I. Engine at High Compression Ratio 15<sup>th</sup> -17<sup>th</sup> December 2014
24. International Conference on Emerging Novelties and Vistas in Space Technologies and Applications “ENVISTA 2016” Sathyabama University, Chennai, India in association with ISRO, Bangalore, India. Investigation of Part Launching Rules in a Flexible Manufacturing System: A Simulation Analysis 25<sup>th</sup> – 27<sup>th</sup> February, 2016
25. 5<sup>th</sup> International Conference of Materials Processing and Characterization (ICMPC 2016) Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad Manufacturing and Micro Structure study of Al-SiC Functionally graded material 12<sup>th</sup> – 13<sup>th</sup> March, 2016
26. International Conference on Recent Trends in Engineering and Material Sciences, ICEMS-2016 Jaipur National University, Jaipur Experimental Investigation of Performance, Combustion & Vibration characteristics of CI Engine fuelled with Linseed Methyl Ester 17<sup>th</sup>-19<sup>th</sup> March, 2016

27. ASME 2017 12<sup>th</sup> International Manufacturing Science and Engineering Conference MSEC2017 University of Southern California, Los Angeles, CA,USA Optimization of Friction Stir Welding Process Parameters to Join Al 5052 and Al 6061 Alloy Plates using Grey-Taguchi Technique Paper No. MSEC2017-2605, pp. V001T02A001; 9 pages doi:10.1115/MSEC2017-2605 4<sup>th</sup>-8<sup>th</sup> June, 2017
28. 2017 JETR Convention on Innovative Technological Scientific Research Strategies in Science, Engineering, Management Applications & Medical Technology Innovative Scientific Research Professional Malaysia, Kuala Lumpur Optimization of Parameters in Wire-EDM for Powder Metallurgical Cold Worked Tool Steel 22<sup>nd</sup> October, 2017
29. 4<sup>th</sup> International Conference on Research Developments in Applied Science, Engineering & Management IEI Institution of Engineers, Chandigarh, India Numerical Analysis of Buckling and Post Buckling Behavior of Single Hat Stiffened CFRP Panel 3<sup>rd</sup> November 2018
30. International Conference on Research Developments in Engineering , Humanities& Management Osmania University Centre for International Program, OU Campus, Hyderabad(India) Numerical Analysis of Buckling and Post Buckling Behavior of Single T-Stiffened CFRP Panel with Runout. 25<sup>th</sup> ,November 2018

### **National Seminars / Conferences:**

1. National Conference on Advanced trends in Mechanical Engineering Research and Development JNTU College of Engineering, Integration of Tactile Sensors with other Sensors June, 2000
2. National Conference on Advanced trends in Mechanical Engineering Research and Development JNTU College of Engineering, Anantapur. Decision Models for FMS Problems October, 2001
3. National Conference on Advanced trends in Mechanical Engineering Research and Development, JNTU College of Engineering, Anantapur. Machining and Joining of Composite Materials December,2002
4. National Conference on Computer Applications in Mechanical Engineering JNTU College of Engineering, Anantapur. (TEQIP Sponsored) December, 2005
5. National Conference on Recent Trends in Electrical Engineering (RTIEE11) SardarVallabhbai National Institute of Technology (SVNIT), Surath, Gujarath. A Hybrid Wind-Solar Energy System Using Front end Rectifier Stage Topology March 22-23, 2012
6. National Conference on Mathematical & Computational Sciences Department of Mathematics, Adikavi Nannaya University, Rajahmundry [A.P]- 533105 Minimizations of Makespan in FMS Simulation Modelling July 6 – 7, 2012 Analyzing Simulation Modeling for AGVS Material Handling Systems
7. National Conference on Mathematical &Computational Science. (MAC-12) AdikaviNannaya University, Rajahmundry Minimization Of Make Span In FMS Simulation Modeling 6-9 July,2012
8. Recent Advances in Mechanical Engineering (RAME 2H14) Sri Venkateswara College of Engineering & Technology, R.V.S.Nagar, Chittoor-517 127 Performance and Emission Characteristics of a Diesel Engine Fuelled with Kapok Oil Methyl Ester Blend Using E.G.R.System 8<sup>th</sup> August, 2014
9. Recent Advances in Mechanical Engineering (RAME 2H14) Sri Venkateswara College of Engineering & Technology, R.V.S.Nagar, Chittoor-517 127 Effect of Exhaust Gas Recirculation on the Performance and Emission Characteristics of Diesel Engine with Orange Oil 8<sup>th</sup> August, 2014
10. 2<sup>nd</sup> National Conference on Innovations in Mechanical Engineering, NCIME'2014 MITS, Madanapalle Sensor Assisted Stick for the Blind People 18 - 19 December, 2014
11. 2<sup>nd</sup> National Conference on Innovations in Mechanical Engineering, NCIME'2014 MITS, Madanapalli Multi Objective Optimization of Process parameters on Turning of AISI 4340 Alloy Steel 18<sup>th</sup> & 19<sup>th</sup> December, 2014
12. Trends in Mechanical Engineering (TIME'15) Department of Mechanical Engineering, JNTUA CEA Dust Removal Methods for Solar PV Panels – A Review 23<sup>rd</sup>September, 2015

13. Trends in Mechanical Engineering (TIME'15) Department of Mechanical Engineering, JNTUA CEA Modelling and Optimization of Wall thickness for Centre Fascia of an Automobile 23<sup>rd</sup>September, 2015
14. Trends in Mechanical Engineering (TIME'15) Department of Mechanical Engineering, JNTUA CEA Effect of Exhaust gas recirculation on the performance and Emission Characteristics of Diesel Engine fueled with MoringaOleifera Oil Diesel Blend 23<sup>rd</sup>September, 2015
15. 3<sup>rd</sup>National Conference On Innovations In Mechanical Engineering Department Of Mechanical Engineering, MITS, Madanapalle Parametric Optimization Of Tube Hydroforming Process By Taguchi And ANOVA 23-24 December 2015
16. 6<sup>th</sup> National Conference on advances In Mechanical Engineering, AIM-2016 Vasavi College of Engineering,Hyderabad An Overview of Joining of AI and its Alloys by Fusion and Solid-State Welding Processes 6<sup>th</sup> -7<sup>th</sup> October, 2016

### **Programmes Organised**

1. Co-ordinator for two days workshop on “Trends in CNC Machining” , organized by CADEM and Department of Mechanical Engineering, JNTU College of Engineering, Anantapur, on 19<sup>th</sup> and 20<sup>th</sup> August, 2005 at JNTU College of Engineering, Anantapur.
2. Co-ordinator for “GIZMO – 05” – a technical model exposition for students conducted on 15<sup>th</sup>September, 2005, at Department of Mechanical Engineering, JNTU College of Engineering, Anantapur.
3. Co-ordinator for TEQIP Sponsored Community Services Program for Housewives “Training for Housewives on Technical Aspects for better living” organized by Department of Mechanical Engineering, JNTU College of Engineering, Anantapur, from 29<sup>th</sup> July to 12<sup>th</sup> August, 2007 at JNTU College of Engineering, Anantapur.
4. Co-ordinatorfor “SPARKLE – 07” – a technical idea presentation for students conducted on 13<sup>th</sup> September, 2007, at Department of Mechanical Engineering , JNTU College of Engineering, Anantapur.
5. Co-ordinatorfor TEQIPsponsored Community Services Program for Housewives “Computer and Internet Concepts for Senior Citizens” organized byDepartment of MechanicalEngineering, JNTU College of Engineering, Anantapur, from 22<sup>nd</sup> January to 31<sup>st</sup>January,2008 at JNTU CollegeofEngineering, Anantapur.
6. Co-ordinator for TEQIP Sponsored Faculty Development Program“Computer and Internet Awareness For Non-Teaching Staff of JNTU College Of Engineering, Anantapur” organized by Department of Mechanical Engineering, JNTU College of Engineering, Anantapur, from 5<sup>th</sup>February to 14<sup>th</sup>February 2008 at JNTU College of Engineering, Anantapur.
7. Co-ordinator for TEQIP Sponsored one day national level student symposium “ DYNAMECHS” organized by Department of Mechanical Engineering, JNTU College of Engineering, Anantapur, on 16<sup>th</sup> December, 2008 at JNTU College of Engineering, Anantapur.
8. Co-ordinator for TEQIP Sponsored Community Services Program “ Energy Conservation camp forWomen ” organized by Department of Mechanical Engineering, JNTU College of Engineering, Anantapur, on 21<sup>st</sup>March 2009 at Atmakuru( Village ), Tadimarri (Mandal ),Anantapur.

9. Co-ordinator for TEQIP Sponsored Community Services Program “ Awareness on Energy Conservation for SC/ST Women” organized by Department of Mechanical Engineering, JNTU College of Engineering, Anantapur, on 28<sup>th</sup> March , 2009 at JNTU College of Engineering, Anantapur.
10. Co-ordinator for TEQIP Sponsored Community Services Program “ Car Care Exposure “ organized by Department of Mechanical Engineering, JNTU College of Engineering, Anantapur, on 30<sup>th</sup> March , 2009 at JNTU College of Engineering , Anantapur.
11. Co-ordinator for TEQIP Sponsored Community Services Program “ Energy Management for Women “ organized by Department of Mechanical Engineering, JNTU College of Engineering, Anantapur, on 31<sup>st</sup> March , 2009 at JNTU College of Engineering , Anantapur.
12. Co-ordinator for Community Services Program “ Computer awareness Program for Students who are Under Privileged ( CAPSUP – 2010 ) “, organized by Department of Mechanical Engineering, JNTUA College of Engineering, Anantapur, from 29-07-2010 to 05-08-2010, at JNTUACE , Anantapur.
13. Co-ordinator for Program “ International Woman’s Day“, organized by Department of Mechanical Engineering, JNTUA College of Engineering, Anantapur, on 8-3-2011, at JNTUACE , Anantapur.
14. Co-ordinator for UGC sponsored National Level Workshop “ Robot Technology”, organized by Department of Mechanical Engineering, JNTUA College of Engineering, Anantapur, on 29-9-2011, at JNTUACE , Anantapur.
15. Co-ordinator for APSCHE sponsored program “ Engineering Drawing”, organized by Department of Mechanical Engineering, JNTUA College of Engineering, Anantapur, from 19-11-2011 to 24-11-2011, at JNTUACE , Anantapur.
16. Co-ordinator for UGC sponsored One Day Workshop “ Robot Dynamics & Control ”, organized by Department of Mechanical Engineering, JNTUA College of Engineering, Anantapur, on 4-2-2012, at JNTUACE , Anantapur.
17. Co-ordinator for UGC Sponsored Two day National Level Students’ Symposium “ DYNAMECHS ‘12” organized by Department of Mechanical Engineering, JNTUA College of Engineering, Anantapur, on 10<sup>th</sup> and 11<sup>th</sup> March, 2012 at JNTUA College of Engineering, Anantapur.
18. Co-ordinator for one day Students’ Work-Shop on “Star CCM+ : Applications and its over view” organized by Department of Mechanical Engineering, JNTUA College of Engineering, Anantapur, on 22<sup>nd</sup> March, 2012, in collaboration with Cd-Adapco, Bangalore, at JNTUA College of Engineering, Anantapur.
19. Co-ordinator for Program “ International Woman’s Day“, organized by JNTUA College of Engineering, Anantapur, on 8-3-2013, at JNTUACE , Anantapur.
20. Co-ordinator for UGC Sponsored One Day National Seminar “ Renewable Energy Sources” organized by Department of Mechanical Engineering, JNTUA College of Engineering, Ananthapuramu, on 8<sup>th</sup> March, 2014 at JNTUA College of Engineering, Ananthapuramu.
21. Co-ordinator for UGC Sponsored One Day National Level Students’ Technical Symposium “DYNAMECHS‘14”, organized by Department of Mechanical Engineering, JNTUA College of Engineering, Ananthapuramu, on 16<sup>th</sup> March, 2014 at JNTUA College of Engineering, Ananthapuramu.

22. Co-ordinator for Five Days “Basic Program on Yoga and Meditation” organized by Women Empowerment Cell, JNTUA, Ananthapuramu, from 2<sup>nd</sup> March to 6<sup>th</sup> March , 2015 atJNTUA, Ananthapuramu.
23. Co-ordinator forUGC Sponsored one day Work-Shop for M.TechStudents on “Smart Innovations in Science and Technology”, organized by Department of Mechanical Engineering, JNTUACollege of Engineering, Ananthapuramu , on 21<sup>st</sup> April, 2015.
24. Co-ordinator for the programme“Ayurveda for Better Living” organized by Women Empowerment Cell, JNTUA, Ananthapuramu, on 14<sup>th</sup>March , 2015 at JNTUA, Ananthapuramu.
25. Co-ordinator for four weeks programme“Self Defence Training Programme for Girl Students” organized by Women Empowerment Cell, JNTUA, in association with NSS Cell, JNTUA, from 25<sup>th</sup>July , 2015 to 21<sup>st</sup> July, 2015 at JNTUA CEA, Ananthapuramu.
26. Co-ordinator for One Day Workshop “Personal Risk Management:Kapap” for organized by Women Empowerment Cell, JNTUA, Ananthapuramu,on 28<sup>th</sup>July, 2015 in association with Inner Wheel district 316 for girl students atJNTUA CEA, Ananthapuramu.
27. Co-ordinator for UGC Sponsored one day Work-Shop for VI B.Tech Students on“Entrepreneurial Initiatives for Budding Engineers”, organized by Entrepreneurship Development Programme Cell,JNTUACollege of Engineering, Ananthapuramu , on 14<sup>th</sup> August, 2015.
- 28 .Co-ordinator for Orientation Programme for VI B.Tech Students on “Technopreneurship and Building High Caliber Industry Ready Architects”, organized by Entrepreneurship Development Programme Cell,JNTUACollege of Engineering,Ananthapuramu , on 1<sup>st</sup> September, 2015.
29. Co-ordinator for Community Service Programme “Visit to Sri Guru Raghavendra Orphans & Old Age Home” organized by Women Empowerment Cell, JNTUA on the occasion of Children’s Day on 14-11-2015.
30. Co-ordinated a guest lecture on“Application of Neural Networks in Materials Engineering”byDr.N.S.Reddy, Associate Professor, School of Material Science and Engineering, Department of Metallic and Material Engineering, Gyeongsang National University, Jinju, Gyeongsang,Korea, on 22/12/2015.
- 31.Co-ordinator for the Skype session to the UG and PG students on “Design Your Future”byProf.ParimalMerchant, AIFMB, Mumbai, organized by Entrepreneurship Development Programme Cell, JNTUACollege of Engineering, Ananthapuramu ,on 1<sup>st</sup> February, 2016.
32. Co-ordinator for UGC Sponsored one day Student’s Work-Shop on 29-03-2016, “Entrepreneurship Awareness Workshop”, organized by The Directorate of Industrial Relations and Placements, JNTUA and Entrepreneurship Development Programme Cell, JNTUACollege of Engineering, Ananthapuramu.
33. Co-ordinator for UGC sponsored One Day Workshop “Women as Entrepreneures” organized by Women Empowerment Cell,JNTUA, Ananthapuramu,on 23<sup>rd</sup>July, 2016, for the students ofJNTUA CE, Ananthapuramu at Mechanical Engineering Seminar Hall, JNTUA CEA.
- 34.Co-ordinator for the Skype session to the UG and PG students on “Fundamentals of Business” by Prof.ParimalMerchant,Global Head, FMB,SP Jain School of Global Management, Mumbai, organized by EntrepreneurshipDevelopment Programme Cell, JNTUACollege of Engineering,Ananthapuramu ,on 16<sup>th</sup> August, 2016.

35. Plantation Programme on 15-09-2016 on the eve of World Ozone Day.

36. A programme on “Heart fullness Meditation” in association with Nehru Yuva Kendra Sangathan” (NYKS), an autonomous organization under the Ministry of Youth Affairs & Sports for the Staff and Students from 28-11-2016 to 30-11-2016.

“Mad About Ideas” on 26-12-2016 in association with AP Innovation Society. 38. “Cloud Security / Crisis Management”, UGC sponsored one day Workshop on 25-01-2017 at JNTUA CEA.

39. “Project Management” UGC sponsored one day Workshop on 27-01-2017 at JNTUA CEA

40. Co-ordinated for Plenary to National Women’s Parliament , Amaravati( 10<sup>th</sup> to 12<sup>th</sup> February, 2017) at Ananthapuramu on 2-02-2017.

41. “Women in Micro/Small Enterprises” , UGC sponsored one day Workshop on 19-09-2017 at JNTUA.

42. “ Technocrats in Industry”, UGC sponsored one day Workshop on 22-09/2017 at JNTUA.

43. APSCHE- British Council Stakeholders meeting for the pilot on “English Communication Skills” on 28-10-2017 at JNTUA.

44. Community Service Programme ( Distribution of sweets and biscuits ) at Sri Guru Raghavendra Orphans & Old Age Home on 15/11/2017 on the occasion of Children’s day and World Childrens day as Co-ordinator, Women Empowerment Cell, JNTUA.

45. A Workshop on “Opportunities after Graduation” sponsored by JNTUA CEA Alumni-92 pass out batch was organized at EEE Department Seminar Hall , JNTUA CEA on 15-12-2017.

46. “Digital Education Summit – Challenges & Opportunities for employability in the Age of Digital Disruption ”, UGC sponsored one day Workshop in collaboration with APITA on 08-01-2018 at JNTUA.

47. “One Day Skill Development Programme”, an UGC sponsored Workshop in association with Department of CSE, JNTUA CEA and Fiabilite Network Solutions Pvt.Ltd., Bangalore, on 7<sup>th</sup> February, 2018 at JNTUA CEA.

48. Co-ordinated a Faculty Development Programme “ Database Design and Programming with SQL” in collaboration with Oracle Academy at JNTUA, sponsored by University Industry Linkage Scheme of UGC XII plan from 05-03-2018 to 09-03-2018.

49. Celebrated International Women’s Day at JNTUA on 08/03/2018 with a get-together of Women Staff members.

50. Co-ordinated JNTUA Training and Placement Officer’s Meet on 15-03/2018 at JNTUA CEA.

51. Organised Women’s Grievance Cell (ICC) Chairpersons’ Meet, JNTUA on 15-03/2018 at JNTUA CEA .

52. Organised “Sensitization of Gender Equality, A Programme by Sekhar Kammula” on 15/03/2018 at NTR Auditorium, JNTUA.

53. Organised a programme “Cancer Awareness and Prevention in Women by Dr.B.sumathi, MD, DGO” on 12/04/2018 at Mechanical Department Seminar Hall, JNTUA CEA.

54.“Industrial Robotics”, a two week Faculty Development Programme in collaboration with Siemens Project, APSSDC is organized at Siemens Center of Excellence and Mechanical Engineering Department, JNTUA CEA from 09-07-2018 to 21-07-2018.

55.“Research and Funding for Women”, a workshop for all Women Faculty of JNTUA CEA, MBA, OTPRI organized by Women Empowerment Cell on 27-10-2018 at Seminar Hall of Chemical Engineering Department, JNTUA CEA.

56.“Aspiration development Programme for Self & Professional Empowerment”, a one week Faculty Development Programme, jointly organized by the Department of Mechanical Engineering and Physics in association with Directorate of Faculty Development & IQAC, from 27-11-2018 to 01-12-2018 at JNTUA College of Engineering(Autonomous), Ananthapuramu.

### Others:

- i. Governing Body member for some JNTU affiliated Colleges.
- ii. Single men Committee and Fact finding Committee member for inspecting Self – finance Institutions under JNTU.
- iii. Examiner for setting question paper to APPSC, Hyderabad and faculty recruitment.
- iv. Expert for Moderation of Question bank for On-line Examinations of JNTU University.
- v. Expert for Preparation of Question bank for On-line Examinations of JNTU University.
- vi. External Examiner for Project work evaluation .
- vii. Member of Alumni Committee, JNTU College of Engineering, Anantapur.
- viii.Member for preparation of Department inputs and proposals to NBA, UGC, NAAC, AICTE.
- ix. Committee member for the Inaugural function of the Diamond Jubilee Celebrations of JNTU College of Engineering, Anantapur.
- x. Committee member to Study malpractice cases at JNTU College of Engineering, Anantapur.
- xi. Committee member for College Day, Sports Day, Cultural Day celebrations of JNTUCEA.
- xii. In-charge of various laboratories and routine Department works like timetables, lab exam Co-ordinator, syllabus co-ordinator etc.
- xiii. Instrumental in setting up of CAD/CAM laboratory in the Department.
- xiv. Instrumental in introducing and teaching Robotics in JNTU College of Engineering, Anantapur.
- xv. Co-coordinator and Chairman for DYNAMECHS, an yearly Students conference organized by the Mechanical Engineering Department, JNTU CEA.
- xvi. Executive Council member of Teaching Staff Association, JNTU College of Engineering, Anantapur.
- xvii.BOS (PG) member and special invitee for Board of Studies, JNTUA University, Anantapur.
- Xviii.Chairman/Purchase Committee member for procuring various equipment for the University/College.
- xiv. Doctoral committee, Research review/Expert Committee member for review of Ph.D. Works.
- xx. Chairman/Member for Committees constituted by JNTUA to carryout various confidential Works.
- xxi. Member, PG in Board of Studies the faculty of Mechanical Engineering, UG Board of Studies in the faculty of Mechatronics, JNTUA, Ananthapuramu.
- xxii. Member, PG and UG Board of Studies in the faculty of Mechanical Engineering, and also acted as an Expert Member for Staff selection at Sri Padmavati Mahila Visvavidyalayam, Tirupati and for various institutions.
- xxiii. Prasar Bharathi All India Radio, Ananthapuramu, (a) Interview on “Renewable Energy Sources” broadcasted on 7<sup>th</sup> August, 2014 and (b)Interview on “Solar Energy Applications”

broadcasted on 21<sup>st</sup> August, 2014.

**Declaration:**

I hereby declare that the information furnished above is true to the best of knowledge

Dr. G.Prasanthi

Date: 04-01-2019

Anantapur