

## BIO-DATA

- 1. Name in full** : K. DHARMA REDDY
- 2. Designation** : Assistant Professor  
Department of Mechanical Engineering  
S V University College of Engineering  
Tirupati-517502
- 3. Contact Phone number** : +919494697899  
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[dharmamech@svuce.edu.in](mailto:dharmamech@svuce.edu.in)
- 4. Date of Birth** : 22 – 05 – 1979
- 5. Academic Credentials** :

S.No	Degree	University	Year	Field of Specialization
1	B.Tech	Madras University	2001	Mechanical Engineering
2	M.Tech	J.N.T. University	2003	Energy Systems (Mechanical Engineering)
3	Ph.D	S.V. University	2010 (PRE PhD PASSED IN 2013)	Solar Thermal Energy Storage Systems

- 6. Experience** : Teaching Experience 8 Years 4 Months  
Industrial Experience 3 Years 7 Months

S.No	Organization	Designation	Period
1	Vision India Dairy P Ltd	Plant Maintenance Engineer	02.12.2003 to 21.06.2007
2	S.V. University	Assistant Professor(Stage -1)	03.07.2007 to 30.06.2012
3	S.V. University	Assistant Professor(Stage -2)	01.07.2012 to Till date

### 7. Administrative Experience:

S.No	Name	Position	Period
1	SVUCE	Addl.Chief Superintendent of Exams	13-10-2008 to 08-12-2011
2	BOS(UG)	Member of BOS in Mechanical Engineering (pass)	22-06-2011 to 21-06-2014
3	S.V.UNIVERSITY	Member of Technical Committee for Repairs & Replacement	16.06.2011 to Till date
4	SVUCE Hostels	Deputy Warden (SVU College of Engineering Hostels for Men)	29-03-2012 to 30.06.2014
5	SVUCE	Member of Procurement Committee for TEQIP – II	05.03.2012 to Till date

6	SVUCE	Officer in charge (College Bus)	25.03.2013 to Till date
7	S.V.UNIVERSITY	NAAC Documentation committee Member	2013 – 2014
8	SVUCE	College Maintenance committee Member	21.09.2013 to Till date
9	SVUCE	Department Mechanical Examination (Invigilation's) Works	01-08-2007 to Till date

8 . Areas of Specialization: Thermal Engineering, Non Conventional Sources of Energy, Automobile Engineering

9. Number of Publications in refereed journals: - 09-
10. No. of Conferences Attended -03-
11. No. of M.Tech dissertations guided: - 08 –
12. No. of Workshops Attended + Orientation+ FDP+Refresher -19+1+3+1
13. No. of Membership of professional bodies: - 03 –

**List of Papers published in International Journals:**

-09-

1. **K.Dharma Reddy, Dr.P.Venkataramaiah (2012)"Experimental Investigation On Responses In Turning Of Aluminium With Carbide Tipped Tool at Different Coolant Conditions** "International Journal of Mechanical Engineering and Technology (IJMET), ISSN 0976 –6340(Print), ISSN 0976 – 6359(Online) Volume 3, Issue 2, May-August (2012), © IAEME 189.
2. **Dr.P.Venkataramaiah, K.Dharma Reddy, E. Madhusudhana Rao (2012) "Measurement of Drill Tool Wear through Image Processing"** Global J. Of Mech., Engg. & Comp. Sciences, 2012: Pp.116-119 ISSN 2277-6664(Online):2249-3468(Print) – Rising Research Journal Publication.
3. **G. Vijay Kumar,Dr.P.Venkataramaiah,K.Dharma Reddy,C. Sudhakar (2013) "Parametric Optimization In Drilling Of Al6061/Sicp Mmc With Reference To Tool Wear Measuring By Image Processing"** ISST Journal of Mechanical Engineering, Vol. 4 No. 1, (January – June 2013), p.p. 11-16 ISSN 0976-7371 © Intellectuals Society for Socio-Techno Welfare.
4. **Dr.P.Venkataramaiah, N. Rajesh, K.Dharma Reddy (2014)"Determination of Optimum Influential Parameters in Turning of Al6061 Using Fuzzy Logic"** ISSN: 2319-8753 International Journal of Innovative Research in Science, Engineering and Technology (An ISO 3297: 2007 Certified Organization) Vol. 2, Issue 10, October 2013.
5. **Dr.P.Venkataramaiah, K.Dharma Reddy,P.Meramma (2014)"Analysis on Influence of Feed Rate and Tool Geometry on Cutting Forces in Turning Using Taguchi method and Fuzzy Logic"** Elsevier ,Procedia Materials Science 5 ( 2014 ) 1692 – 1701, Science Direct.
6. **Kondakkagari Dharma Reddy, Pathi Venkataramaiah, Tupakula Reddy Lokesh (2014) "Parametric Study on Phase Change Material Based Thermal Energy Storage System"**. Energy and Power Engineering, 6, 537-549.<http://dx.doi.org/10.4236/epe.2014.614047> Copyright © 2014 by authors and Scientific Research Publishing Inc.
7. **K. Dharma Reddy , Dr.P.Venkataramaiah, T.Reddy Lokesh (2014) "Evaluation Of Heat Storage Performance Of Sensible Heat Storage Materials And Latent Heat Storage Materials Using Fuzzy Logic"** International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 9 No.26 (2014) pp. 9132-9136 <http://www.ripublication.com/ijaer.htm>
8. **K. Dharma Reddy ,Dr.P.Venkataramaiah,P.Praveen Kumar (2015) "A Study On Phase Change Material Based Thermal Energy Storage System Using Fuzzy Logic And Ann"** International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 7 (2015) pp. 18089-18103 <http://www.ripublication.com/ijaer.htm>
9. **M Chandra Sekhara Reddy ,T. Reddy Lokesh, K. Dharma Reddy, P. Venkataramaiah (2015)"Enhancement Of Thermal Energy Storage System Using Sensible Heat And Latent Heat Storage Materials"** i-manager's Journal on Mechanical Engineering, Vol. 5 | No. 3 | May - July 2015 pp.36-43.

- 10 K. Dharma Reddy, Dr.P.Venkataramaiah, T.Reddy Lokesh (2015) “Experimental Study on Heat Storage Systems to Evaluate Discharge Time and Energy Storage “(Under Process) Springer publications.

**List of Papers presented in International Conferences:**

-03-

1. Dr.P.Venkataramaiah ,K.Dharma Reddy,P.Meramma(2014)”Analysis on Influence of Feed Rate and Tool Geometry on Cutting Forces in Turning Using Taguchi method and Fuzzy Logic”International Conference on “Advances in Manufacturing and Materials Engineering” (ICAMME- 2014), at National Institute of Technology Karnataka, Surathkal, Karnataka During 27<sup>th</sup> and 29<sup>th</sup> March 2014.
2. K. Dharma Reddy , Dr.P.Venkataramaiah, T.Reddy Lokesh (2014) “Evaluation Of Heat Storage Performance Of Sensible Heat Storage Materials And Latent Heat Storage Materials Using Fuzzy Logic” Proceedings of the International Conference on“Modelling, Optimisation and Computing (ICMOC- 2014)”, at NI University, Kumaracoil, Nagercoil Tamilnadu, during 10<sup>th</sup> and 11<sup>th</sup> April 2014.
- 3 K. Dharma Reddy Dr.P.Venkataramaiah, T.Reddy Lokesh (2014) “Experimental Study on Heat Storage Systems to Evaluate Discharge Time and Energy Storage” Proceedings of the International Conference on“Advances in Design &Manufacturing (ICAD&M – 2014) “ at NIT ,Tirchy-Tamilnadu during 5-7<sup>th</sup> December 2014.

**List of M.Tech dissertations guided – Completed:**

-08-

S.No	Name of the Student	Title	Awarded	Status
1	S. Saritha	Experimental Investigation Of Minimum Quantity Lubrication On Cutting Temperature In Turning Of Steel And Aluminum With Carbide Tipped Tool	2010	Completed
2	M.Venkatesulu	Design for Manufacturing of Pressure Vessel	2010	Completed
3.	S.Gangaiah	Preparation of Aluminum Metal Matrix Composites and Study their Mechanical Properties	2012	Completed
4.	E.Madhusudhanrao	Measurement of Drill Tool Wear Through Image Processing	2012	Completed
5.	C.Sudhakar	Analysis of Drill tool wear on Aluminum 6061 with Silicon Carbide by using Image Processing	2013	Completed
6.	P.Meramma	Influence of Feed Rate and Tool Geometry on Cutting Forces in Turning Using Taguchi method and Fuzzy Logic	2014	Completed
7.	P.Praveen Kumar	A Study On Phase Change Material Based Thermal Energy Storage System Using Fuzzy Logic And Ann	2015	Completed
8.	G.Venkat Siva	Parametric optimization of solar parabolic collector using goal programming	2015	Completed

**Workshops Attended:**

-19-

S.No	Title of the event	Organizing Institution	Period
1	A five day Workshop on Induction Training For The New Faculty	S.V. University College of Engineering, Tirupati.	07.08.2007 to 11.08.2007

2	Instructional Design And Delivery Systems By NITTTR	S.V. University College of Engineering, Tirupati.	24.11.2007 to 29.11.2007
3	Workshop on Computer-Aided Engineering Graphics	S.V. U. College of Engineering , Tirupati	18.10.2010 to 20.10.2010
4	Writing Effective Conference Papers	S.V.U.College of Engineering, Coducted By IIT Bombay	18.02.2012 to 19.02.2012
5	National workshop on Research Methodologies Under TEQIP-II, Dept of CSE ,SVUCE	S.V.U.College of Engineering, Tirupati	29.09.2012 To 30.09.2012
6	Workshop on Engineering Thermodynamics (Two Week ISTE WORKSHOP)	S.V.U.College of Engineering, Coducted By IIT Bombay	11.12.2012 to 21.12.2012
7	Two-Day ISTE Workshop on Research Methods in Educational Technology	S.V.U.College of Engineering, Coducted By IIT Bombay	02.02.2013 & 09.02.2013
8	Two day Workshop on Advances in Mechanical Engineering	S.V.U.College of Engineering Tirupati	25.03.2013 & 26.03.2013
9	Two day Workshop on Procurement Guidelines & PMSS Software Training Under TEQIP –II	Osmania University college of Engineering Hyderabad	16.05.2013 & 17.05.2013
10	Workshop on DBMS (Two Week ISTE WORKSHOP)	S.V.U.College of Engineering, Coducted By IIT Bombay	21.05.2013 to 31.05.2013
11	One day Faculty Development program on “Outcome Based Engineering Education For Enhancing Employability Skills”	S.V.U.College of Engineering, Tirupati Under TEQIP-II	27-07-2013
12	Pedagogy Training(Module- I) By NITTR Chandigarh	Conducted by NITTR Chandigarh	28.10.2013 to 01.11.2013
13	Two day National level Workshop on Matlab Based advanced Optimization techniques Under TEQIP –II	Sri Vidyanikethan College of Engineering Sree Sainath Nagar Tirupati	07.11.2013 & 08.11.2013
14	Two week Workshop on Engineering Mechanics(Two Week ISTE Workshop)	S.V.U.College of Engineering, Coducted By IIT Bombay	26.11.2013 to 06.12.2013
15	TEQIP Conclave on “Enhancing Quality of Technical Education and Research”	IIT Hyderabad	7-03-2014 to 8-03-2014

16	Two day Workshop on Quality Improvement in Engineering Education	S.V.U.College of Engineering, Tirupati	15-11-2014 to 16-11-2014
17	Workshop on Composite Materials	National institute of Technology Tiruchirappalli	4-12-2014
18	Exposition on Advances in Nanoparticle Engineering	SDSC - SHAR, Sriharikota	25-05- 2015
19	Workshop on Environmental Studies(Two Week ISTE Workshop)	S.V.U.College of Engineering, Tirupati	02-06-2015 to 12-06-2015

**Orientation Programme:**

**-01-**

S.No	Title of the event	Organizing Institution	Period
1.	Orientation Programme	UGC- Academic Staff College,S.V.UNIVERSITY	29-10-2012 to 24-11-2012

**Faculty development Programme:**

**-03-**

S.No	Title of the event	Organizing Institution	Period
1	Two Week Faculty Development Programme on Foundation Skills In Information Technology (FDP)	S.V.U.College of Engineering, Under TEQIP-II	20-01-2014 to 30-01-2014
2	Faculty development programme on Intellectual property rights	S.V.U.College of Engineering, Tirupati	08-07-2014
3	Faculty Development Programme on New Technologies in Automotive Industry	CII & BOSCH Ltd Bangalore	4-08-2014 to 6-08-2014

**Refresher Course:**

**-01-**

S.No	Title of the event	Organizing Institution	Period
1.	Introduction to Research Methodologies (Two Week ISTE WORKSHOP)	S.V.U.College of Engineering, Conducted By IIT Bombay	25.06.2012 To 04.07.2012

**Membership of professional bodies:**

**-03-**

<b>S.No.</b>	<b>Organization</b>	<b>Membership Number</b>
1.	The Institute of Engineers	M-1456304(MIE)
2.	ISTE (LIFE MEMBER)	LM -100740
3.	IAENG (international Association of Engineers)	Member No: 144551

I declare that all the above furnished information is correct

Date: 14-10-2015

**(K.DHARMA REDDY)**