

BIO-DATA

Name : **POTHUR HEMA**

Address : P. Hema
Flat No. 103, Hindu Towers,
Royal Nagar, Behind Raithu Bazaar,
RC Road, Tirupati - 517 501

Designation : Assistant Professor
Dept. of Mechanical Engineering
S.V.University College of Engineering
S V University
Tirupati - 517 502

Academic Qualifications

Ph. D : Ph.D awarded on 20-09-2014

M.Tech. : Mechanical Engineering
(Production Engineering) 2004
First Class with Distinction
S.V.U. College of Engineering
S. V. University, Tirupati

B.Tech. : Mechanical Engineering 2000
First Class
S.V.U. College of Engineering
S. V. University, Tirupati.

Software Skills

Languages : C, C++

Operating System : Unix, Ms-DOS, Windows, AIX 5L

Packages : Ansys 9.1, Auto CAD, Cadian, Iron CAD,
Edge CAM, RDBMS

Teaching Experience as Assistant Professor (as on 30-09-2015)

Dept. of Mech. Engg, SVU College of Engineering, SVUniversity

M.Tech. : Post Graduate 8 years 02 months 0 days
B.Tech. : Under Graduate 8 years 02 months 0 days
Total Teaching Experience : 8 Years 02 months 0 days

Teaching Experience as Academic Consultant:

Dept. of Mech. Engg, SVU College of Engineering, SVUniversity

M. Tech. : Post Graduate 3 years 3 months
B. Tech. : Under Graduate 5 years 3 months and
days (Full Time)
B. Tech. : Under Graduate 1 year 8 months and
4 Days (Part Time)
Total Teaching Experience : 5 Years 7 months and 25 days

(Excluding Overlapping)

Overall Teaching Experience : **13 Years, 5 months and 0 days**

Organization	Designation	Period
S.V.University	Academic Consultant	8.8.2001 to 03-07-2007(FT &PT)
S.V.University	Asst. Professor(stage 1)	03-07-2007 to 03-07-2012
S.V.University	Asst. Professor(stage 2)	04-07-2012 to till date

Classes Taught

Post Graduate : M.Tech, Mechanical Engineering
Production Engineering.
Industrial Engineering
Under Graduate :
B. Tech. : Mechanical Engineering and other
branches

Papers Taught / Labs Handled / Tutorials

I. Post Graduate M. Tech Mechanical Engineering - Production Engineering

A. Papers

1. Advanced Welding Processes
2. Quality Management and Reliability
3. Production Technology and Technology Transfer
4. Metrology and Computer Aided Inspection
5. Advanced Casting Technology

B. Labs

1. CAD / CAM Lab
2. Production Engineering Lab
3. Software Lab

II. Post Graduate M. Tech Mechanical Engineering - Industrial Engineering

A. Papers

1. Quality Management and Reliability
2. Production Technology and Technology Transfer
3. Manufacturing System Design

B. Lab

1. Software Lab

III. Under Graduate B. Tech Mechanical Engineering and Other branches

A. Papers

1. Material Science and Metallurgy : B. Tech. Mechanical
2. Advanced Foundry and Welding Technology : B. Tech. Mechanical
3. Welding Technology : B. Tech. Mechanical
4. Engineering Graphics : B. Tech. Mechanical/Other
Branches
5. Industrial Management : B. Tech., Computer
Science
6. Instrumentation : B. Tech., Mechanical

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|-----|------------------------------|------------------------|
| 7. | Automobile Engineering | : B. Tech., Mechanical |
| 8. | Mechanical Technology | : B. Tech., Chemical |
| 9. | Metrology | : B. Tech., Mechanical |
| 10. | Quality and Reliability Engg | : B. Tech., Mechanical |
| 11. | Production Engineering – I | : B. Tech., Mechanical |
| 12. | Advanced Engineering drawing | : B. Tech., Mechanical |

B. Labs

1. Metrology lab
2. Production Engineering - I Lab
3. Production Engineering - II Lab
4. CAD /CAM Lab
5. Workshop

C. Tutorials

1. Heat Transfer
2. Engineering Graphics
3. Machine Drawing
4. Advanced Engineering drawing

Guidance (Project Work - Dissertations)

Ph.D

“Experimental Investigations on the effects of Tool Pin Profiles on Friction Stir Welded Joints of AA 6061”, Thesis submitted to S.V. University for the award of Ph.D in Mechanical Engineering (2014).

M.Tech

“Friction Stir Welding Technique an Experiment”, Dissertation submitted to S.V. University for the award of M.Tech degree in Mechanical Engineering- Production Engineering (2004).

B.Tech

“Software Development in C for Design of Connecting Rod”, Dissertation submitted to S. V. University for the Award of B.Tech Degree in Mechanical Engineering (2000).

Guided Project work of the Students of M.Tech Degree in Mechanical Engineering

S.NO	NAME OF THE STUDENT	TITLE OF THE DISSERTATION	YEAR OF AWARD
1	G.SIRISH KUMAR	BP MODEL FOR PREDICTION OF SURFACE ROUGHNESS AND CUTTING FORCES IN CNC TURNING MACHINE USING ANN	2008
2	T.RAVINDRA NAIDU	CUTTING DYNAMICS OF HIGH SPEED MACHINING OF THIN RIBBED STRUCTURES	2009
3	Ch. VINODA BABU	EVALUTION OF SURFACE ROUGHNESS BY MACHINE VISION TECHNIQUE	2010
4	S.SHIREEN TIRZAH	DEVELOPMENT OF AN EMPIRICAL MODEL FOR PREDICTION OF SURFACE ROUGHNESS IN TURNING BY USING MINITAB	2011
5	K.SAMSON PRAVEEN KUMAR	NUMERICAL INVESTIGATION OF THE EFFECT OF DIFFERENT BACK SWEEP ANGLE AND EXDUCER WIDTH ON THE IMPELLER OUTLET FLOW PATTERN OF A CENTRIFUGAL COMPRESSOR WITH VANELESS DIFFUSER	02.11.2011
6	K.A.PRABHU	OPTIMIZATION OF PROCESS PARAMETERS FOR GAS TUNGSTEN ARC WELDING OF ALUMINIUM ALLOY A6061 BY TAGUCHI METHOD	09.01.2012
7	S.M.GANGADHAR REDDY	EXPERIMENTAL INVESTIGATION ON FRICTION STIR WELDING OF ALUMINIUM ALLOY 6061	13.06.2012
8	P.KULLAYAPPA	EFFECT OF PROCESS PARAMETERS ON IMPACT STRENGTH FOR JOINING 6061 ALUMINIUM ALLOY USING FSW TECHNIQUE	13.06.2012
9	G.SRIDHAR	OPTIMIZATION OF PROCESS PARAMETERS IN TURNING PROCESS BY USING TAGUCHI TECHNIQUES AND MULTIPLE REGRESSION ANALYSIS	13.06.2012
10	M.GOPALA KRISHNA	ANALYSIS OF PROCESS PARAMETERS WITH THE TRIANGULAR PIN PROFILE USING FSW TECHNIQUE	16.11.2012
11	V.SRINIVASULU	EFFECT OF TRIANGULAR PIN ON IMPACT STRENGTH AND HARDNESS OF ALUMINIUM AA6061 ALLOY JOINTS MADE BY FSW TECHNIQUE	16.11.2012
12	P.ASHOK KUMAR	ANALYSIS AND STANDARDIZATION OF WELDING ELECTRODE CONSUMPTION PATTERN FOR VARIOUS STRUCTURAL JOBS	07.03.2013
13	D.KANAKARAJA	COMPARITIVE STUDY ON DIFFERENT PIN GEOMETRIES OF TOOL PROFILE IN FRICTION STIR WELDING USING ARTIFICIAL NEURAL NETWORKS	07.03.2013
14	M.REDDIEAH	EFFECT OF PIN GEOMETRY ON FRICTION STIR WELDED JOINTS	01.04.2013

15	U.SAINADH	A STUDY ON JOINING OF ALUMINIUM ALLOY 6061 WITH FRICTION STIR WELDING AND TUNGSTEN INERT GAS WELDING USING ANN	02.07.2013
16	P. JAGADEESH CHANDRA PRASAD	OPTIMIZATION OF PROCESS PARAMETERS FOR FRICTION STIR WELDING OF ALUMINUM ALLOY AA6061 USING SQUARE PIN PROFILE	23.07.2014
17	P. PURUSHOTHAM	EFFECT OF FRICTION STIR WELDING ON MECHANICAL PROPERTIES OF DISSIMILAR ALUMINUM AA6061 AND AA2014 ALLOY JOINTS	28.06.2014
18	K.JILAN BASHA	IMPROVEMENTS IN MANUFACTURING PROCESSES OF HPT NOSE IN AL31FP ENGINE OF SU-30 AIRCRAFT USING UNIGRAPHICS	17.07.2015
19	K.SAI KUMAR NAIK	PREDICTION OF EFFECT OF PROCESS PARAMETERS ON FRICTION STIR WELDED JOINTS OF ALUMINIUM ALLOY AA2014 & AA 6061 USING TAPER PIN PROFILE	2016
20	N.RAVI TEJA	PARAMETRIC OPTIMISATION ON MECHANICAL PROPERTIES OF FSW JOINTS OF AA 6061 AND AA 2014 USING GENETIC ALGORITHM	2016
21	K.DAMODARAM	SIMULATION OF PROCESS PARAMETERS OF FSW TECHNIQUE USING FINITE ELEMENT MODELLING	2013-15
22	G.VENKATESH	ONGOING	2013-15
23	G.RAGHUVARDHAN REDDY	ONGOING	2014-16
24	P. YAMINI PRIYA	ONGOING	2014-16
25	K.JAYA PADMAVATHI	ONGOING	2014-16

Guided Project work of the Students of B. Tech Degree in Mechanical Engineering

S.NO	NAME OF THE STUDENT	TITLE OF THE DISSERTATION	YEAR OF AWARD
1	P. NAGABHUSHANAM Y. ANIL KUMAR REDDY	DEVELOPING A PROGRAM TO PICK AND PLACE AN OBJECT BY USING 6-AXIS ARISTO ROBOT	2006-2007
2	R. JYOTSNA V. LAKSHMI PRASANNA V.VISHNU VANDANA DEVI	DEVELOPING A PART PROGRAM FOR XL-TURN LATHE – A STUDY	2006-2007
3	L. HARINI, D. RAVI SANKAR, T.R. UDAY BJ=HANI REDDY B. VENKAI AH, K.C. SUDHA RANI	APPLICATION OF FINITE ELEMENTS IN THE ANALYSIS OF SOLID MECHANICS PROBLEMS	2007-2008
4	A.C. KALYAN CHAKRAVARTHY, S. RAMESH BABU, P .VENKATA RAMANA, V.SUBBA REDDY	WORK STUDY ON MAINTENANCE OF ROLLER BEARINGS FOR RAILWAY COACHES	2008-2009

5	G.GOWTHAMI, Y. SATHISH, K .SURESH, B. NAGENDRA NAIK	OPTIMIZATION OF CUTTING PARAMETERS FOR SURFACE FINISH MEASUREMENT	2009-2010
6	B. ASHOK,ROY, G. KEERTHANA, M .KARTHEEK, S. SURYA BABU, V. JYOSHNA PRANUSHA	EFFECT OF TRIANGULAR PIN ON ALUMINIUM AA6061 ALLOY JOINTS MADE BY USING FRICTION STIR WELDING TECHNIQUE	2012-2013
7	B. CHARAN TEJA, J. HAREESH BABU, M. RAJESWARI	ALALYSIS OF FUEL CONSUMPTION IN HYBRID ELECTRIC VEHICLES	2013-2014
8	M .HARSHALA REDDY, S.SRIKAR, T.SATASIVAIAH	HEAT TRANSFER ANALYSIS OF FINED TUBED HEAT EXCHNAGER USING ANSYS	2014-2015
9	B. SAKUNTHALA, K.B. MAHENDRA KUMAR, N. RAVI KIRAN	OPTIMIZATION OF PROCESS PARAMETERS OF TIG WELDING USING RESPONSE SURFACE METHODOLOGY	2014-2015

Resource Person/Invited Talks/ Guest Lectures:

- Jury Member for the National Level Technical Symposium MECHONANCE'15, **MITs, Madanapalle.**
- Resource Person for the Refresher Course on Information Technology –UGC Academic Staff College , S V University Tirupati
- Delivered guest lecture on Friction Stir Welding process – Eco Friendly Process at S. V. Engineering College , Karakambadi Road, Tirupati

Research Publications / Papers

Papers in Journals:

1. K. Jilan Basha , **P.Hema** “OPTIMIZING THE TOTAL COST AND QUALITY OF MANUFACTURING OF HPT NOZZLE IN AL31FP ENGINE OF SU-30 AIRCRAFT” Journal of Basic and Applied Engineering Research(JBAER),Print ISSN 2350 -0077,Online ISSN 2350-0255,VOL. 2, NO.6 , APRIL – JUNE 2015. Impact factor :
2. P. Jagadeesh Chandra Prasad, **P.Hema**, K. Ravindranath, “OPTIMIZATION OF PROCESS PARAMETERS FOR FRICTION STIR WELDING OF ALUMINUM ALLOY AA6061 USING SQUARE PIN PROFILE” International Journal of Mechanical Engineering and Robotics Research (IJMERR), ISSN 2278-0149, Vol. 3, No. 2, April, 2014. Impact factor :

3. D. Kanakaraja, **P. Hema**, K. Ravindranath “ COMPARATIVE STUDY ON DIFFERENT PIN GEOMETRIES OF TOOL PROFILE IN FRICTION STIR WELDING USING ARTIFICIAL NEURAL NETWORKS”, International Journal Of Mechanical Engineering And Technology (Ijmet), ISSN 0976 – 6340 (Print),ISSN 0976 – 6359 (Online) Volume 4, Issue 2, March - April (2013), pp. 245-253, Journal Impact Factor (2013): 5.7731 (Calculated by GISI).
4. **Hema Pothur.**, Prabhu, K A., Ravindranth,K.(Jan 2012) “OPTIMISATION OF PROCESS PARAMETERS FOR GAS TUNGSTEN ARC WELDING OF ALUMINUM ALLOY 6061 BY TAGUCHI METHOD” , Indian Journal of Applied Research. Vol:1 Issue 4 pp 98-101. Impact factor :
5. **Hema Pothur.**, Gangadhar,SM., Ravindranth,K. (Jan 2012) “OPTIMISATION OF PROCESS PARAMETERS FOR FRICTION STIR WELDING OF ALUMINUM ALLOY 6061 USING ANOVA”, Indian Journal of Research Vol:1 issue 1 pp 33-35. Impact factor :
6. **Hema Pothur.**, Gangadhar,SM., Ravindranth,K.(Jul 2012) “INFLUENCE OF FRICTION STIR WELDING PARAMETERS ON THE MICRO STRUCTURAL AND MECHANICAL PROPERTIES OF ALUMINUM ALLOY 6061”,. International Journal of Applied Engineering Research. Vol 7, no.8 (2012) pp 907-916. Impact factor :
7. **Hema Pothur.**, Gangadhar,SM., Ravindranth,K.(2012) “OPTIMIZATION OF PROCESS PARAMETERS FOR FRICTION STIR WELDING OF ALUMINIUM ALLOY 6061 USING ANOVA”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD),ISSN: 2249 – 6890 ,Vol.2, Issue 1(2012) 36 – 42. Impact factor :

PAPERS PRESENTED IN CONFERENCES /SEMINARS:

1. T. Raviteja., **P. Hema.**, K. Ravindranath, “PARAMETRIC OPTIMIZATION ON MECHANICAL PROPERTIES OF FRICTION STIR WELDING AA 6061 AND AA 2014 USING GENETIC ALGORITHM” paper presented at

Contemporary Research in Advanced Material Science-CRAMS2016 on Feb 04-05, 2016, Kanchipuram

2. **P. Hema.**, Sai Kumar Naik., K. Ravindranath, “PREDICTION OF EFFECT OF PROCESS PARAMETERS ON FRICTION STIR WELDED JOINTS OF ALUMINIUM ALLOY AA2014 & AA6061 USING TAPER PIN PROFILE”, Paper presented at 5th International Conference of Materials Processing and Characterization (ICMPC 2016) on March 12-13,2016 at GRIET, Hyderabad.(Accepted for publication)
3. P. Purushotham., **P. Hema**, “EFFECT OF FRICTION STIR WELDING ON MECHANICAL PROPERTIES OF DISSIMILAR ALUMINUM AA 6061 AND AA2014 ALLOY JOINTS”, paper presented at National conference on New Frontiers in Mechanical Engineering (NFME 2K14) on 18th and 19th July 2014 JNTUK, KAKINADA.
4. **P. Hema.**, U. Sainadh., K. Ravindranath, “A STUDY ON JOINING OF ALUMINIUM ALLOY 6061 WITH FRICTION STIR WELDING AND TUNGSTEN INERT GAS WELDING USING ANN”, paper presented at National Conference on “Emerging Trends in Mechanical Engineering (ETIME-2k13)” at St ‘Anns College of Engineering and Technology , Chirala .
5. **P. Hema.**, M. Reddaiah., K. Ravindranath, “EFFECT OF PIN GEOMETRY ON FRICTION STIR WELDED JOINTS” paper presented at National conference on Latest Innovations in Mechanical Engineering (Lime -2013) on 28th April 2013.
6. **P. Hema.**, ch. Vinoda babu., K. Ravindranath, “EVALUATION OF SURFACE ROUGHNESS USING MACHINE VISION AND ARTIFICIAL NEURAL NETWORKS”, paper presented at National conference on Recent Advances in Mechanical Engineering(NCRAME) held at RVR &JC College of Engineering, Guntur, 7-8 July 2011.
7. **P. Hema.**, P.S.Ramakrishnudu, “REGRESSION ANALYSIS ON FSW PARAMETERS”, paper presented to the All India Conference / Seminar on Emerging Trends in Mechatronics & Instrumentation, IEI, TIRUPATI CHAPTER, June 29- 30,2007.

8. D. Sai Charan., G. Padmanabhan., **P. Hema**, “DESIGN OF TOOL & FIXTURE FOR FRICTION STIR WELDING”, paper presented at National Conference on Advances in Materials & Manufacturing Processes, 5-6 Oct 2007,UBDTCE, Davangere-04.
9. **P. Hema.**, P.S. Ramakrishnudu, “AN APPLICATION OF FRICTION STIR WELDING TECHNIQUE ON LATHE”, Paper presented to the All India Seminar / Conference on Advances in Mechanical Engineering, August 2004, Dept. of Mechanical Engineering, S.V.U. College of Engineering, S. V. University, Tirupati.
- 10.**P. Hema.**, V.Diwakar Reddy., P.S. Ramakrishnudu, “MATHEMATICAL MODELING OF FRICTION STIR WELDING TECHNIQUE ON LATHE”, paper presented to the National level conference Rampt'06, (Feb. 2006), Dept. of Mechanical Engineering, Sri Velammal College of Engineering, Chennai.

Orientation Program, Refresher Courses, Faculty Development Program Seminars, Conferences, Summer / Winter Schools Workshops Training Programmes Attended.

ORIENTATION PROGRAMME:

One month Orientation Programme conducted by UGC Academic Staff College , SV University , Tirupati during 29th Oct 2012 to 24th Nov 2012.

REFRESHER COURSE:

- ISTE sponsored Two Week Refresher Course on Research Methodology organised by IITB at SVU College of Engineering, Tirupati 29th Jun – 4th July 2012.
- Two Week Refresher Course on Engineering Sciences conducted by UGC Academic Staff College , SV University , Tirupati during 16th Nov 2015 to 05th Dec 2015.

Faculty Development Program (FDP):

- A Two Week Faculty Development Program (FDP) on “Foundation Skills In Information Technology (FSIT)” on 20 - 30 January 2014, under TEQIP- II, organized by SVU College of Engineering, Tirupati.

- One day Faculty Development Program (FDP) on the topic “Developing Employability Skills among Students – Industry Perspective” on 27-07-2013 under TEQIP- II, organized by SVU College of Engineering, Tirupati and Tata Consultancy Services Ltd., Hyderabad.

Seminar / Conference

- TEQIP Conclave on “Enhancing Quality of Technical Education and Research” held at IIT Hyderabad during March 7-8th 2014.
- National Seminar on Dimensions of Development in Chittoor District on 28th March 2011, Organized by SVU, Tirupati.
- National Conference on Recent Advances in Mechanical Engg, on 7-8th July, 2011 Organized by Dept of Mechanical Engg, RVR & JC college of Engg, Guntur-19, AP.
- National Seminar on Urban Transportation- Issues and Solutions on 30th Jan 2010 Organized by Institute of Engineers , India, Tirupati local centre and Dept of Civil Engg , SVUCE, Tirupati..
- All India Seminar / Conference on Advances in Mechatronics, June 2007, Dept. of Mechanical Engineering, S. V. U. College of Engineering, Tirupati.
- National level conference on Recent Advances in Manufacturing Technology Rampt'06, (Feb. 2006), Dept. of Mechanical Engineering, Sri Velammal College of Engineering, Chennai.
- All India Seminar / Conference on Advances in Mechanical Engineering, August 2004, Dept. of Mechanical Engineering, S.V.U. College of Engineering, Tirupati.

Summer / winter schools:

- International winter school on “Advances in Aeronautical Materials and Technologies -2010, Organized by RCMA(materials), CEMILAC, DRDO, Ministry of Defence, Govt. of India Hyderabad-500058 on 15th to 21st Dec 2010.

Workshops and Training Programmes:

- One day National Workshop on “Reverse Engineering – Industry Solutions” on VIT, Chennai. (30th Jan 2016)

- One Week Short term course on “Mechatronics and Intelligent Systems”, Dept. of Manufacturing Engineering, IIT Madras, Chennai, Tamilnadu. (27th July to 1st Aug 2015)
- Two day workshop on “Initiatives for Quality Improvement in Engineering Education” under TEQIP –II organized by SVU College of Engineering, Tirupati, during 15th -16th November 2014.
- Work Shop On Quality Initiatives In Technical & Higher Educational Institutions (In Compliance With NBA & NACC Accreditation), Conducted By Engineering Staff College Of India(ECSI) Hyderabad, During 8-10 October 2014
- One day work shop on Environment frame work on 21st Aug 2014 at Coimbatore under Teqip phase -II
- One day Awareness Workshop on “Intellectual Property Rights (IPR) (Sponsored by PIC, APCOST, Hyderabad) on 15th March, 2014 at Tirupati, conducted by S V University, Tirupati.
- One day Workshop on “High Temperature Properties of Metals” on 1st February 2014 at Chidambaram, conducted by Dept. of Manufacturing Engineering, Annamalai University, Chidambaram.
- Workshop on “ENGINEERING MECHANICS (Two Week ISTE WORKSHOP)” held during 26th – 06th Dec-2013 at S.V.U. College of Engineering, Conducted by IIT Bombay.
- Two Day National Level Workshop On “MAT Lab Based Advanced Optimization Techniques” Conducted By Department Of Mech Engg Sree Vidyanikethan Engg College, Tirupati, During 7-8 November 2013
- Workshop on “DBMS (Two Week ISTE WORKSHOP)” held during 21th – 31th May-2013 at S.V.U. College of Engineering, Conducted by IIT Bombay.
- ISTE Workshop on Writing Effective Conference Papers conducted by IITB, on 18th &19th Feb. 2012.
- Two-Day National Workshop on Research Methodologies conducted by Department of Computer Science and Engineering, SVUCE, Tirupati (29-30 September,2012).

- A Five day workshop on Capacity Building of Women Managers in Higher Education (Sensitization / Awareness / Motivation) conducted by UGC, organized by Dept of Engg, SVU, Tirupati. 26 to 30 th July 2011.
- Awareness workshop on Eco-Friendly welding process, organized by Center for Materials Joining and Research(CEMAJOR), Dept of Manufacturing Engineering, Annamalai University, Annamalai Nagar, Tamilnadu.
- Workshop on Computer Aided Engineering Graphics conducted by SVUCE, Tirupati.(18-10-2010 to 20-10-2010).
- National Workshop on Role of Statistical Thinking and Systems in expanding the Horizon of Science and Third National Statistics Day Conducted by Dept of Statistics, SVU, Tirupati on 28-29 June 2009.
- One- Week Short Term Training Programme (STTP) on Mechatronics conducted by the Institution of Engineers (India) AP State Centre, Hyd (16th to 20th June-2008).
- A Five Day Workshop on Faculty Development Program, November 2007.
- A five day Workshop on Induction Training Program, July 2007, S V University, Tirupati.
- Undergone Training on AIX and RDBMS given by IBM Global Services Limited, Bangalore (2006)
- A two day Workshop on “Train the Trainer Program” organised by Autodesk India Ltd., March 2006, Dept. of Mechanical Engineering, JNTU College of Engineering, Hyderabad.
- Undergone training program on Maintenance of FMS Lab given by MTAB, January, 2006, Dept. of Mechanical Engineering, S.V.U. College of Engineering, Tirupati.
- National level workshop on Gas dynamics and its Applications, November, 2005 Dept. of Mechanical Engineering, Koneru Lakshmaiah College of Engineering, Guntur.
- All India Workshop on Advances in Mechanical Engineering, August, 2003 Dept. of Mechanical Engineering, S.V.U. College of Engineering, S.V. University, Tirupati.

- Entrepreneurship Awareness camp, October 1999, Entrepreneurship Development Cell, sponsored by Dept. of Science and Technology, Govt. of India, S. V. University College of Engineering, Tirupati.
- Undergone Industrial Training in M/s Amara Raja Batteries Limited, Tirupati.

Conferences/ Seminars/ Workshops/ Symposia Organised:

- Convenor of a National Level Student Symposium M'explore-2k '15 being conducted by Department of Mechanical Engineering, SVUCE, Tirupati, 5th and 6th April 2015.
- Organising Committee member of a National Level Student Symposium M'explore-2k'14 being conducted by Department of Mechanical Engineering, SVUCE, Tirupati, 21st & 22nd April 2014
- Organising Committee member of a Two Day National Workshop on Advances in Mechanical Engineering, conducted by Department of Mechanical Engineering, SVUCE, Tirupati, 25th & 26th March, 2013.
- Convenor of a National Level Student Symposium M'explore-2k '11 being conducted by Department of Mechanical Engineering, SVUCE, Tirupati, 2011.
- Chaired a session, chemosphere – 2kx (invent and invade), A National level students technical symposium, 10-11th Dec 2010.
- Organising Committee member of a National Level Student Symposium M'explore-2k'07 being conducted by Department of Mechanical Engineering, SVUCE, Tirupati, 2007.

Administrative / Academic positions held:

S.No	Position	Name of the Committee/ Board	From	To
1	Member	Colleges Inspection Committee for extension of university affiliation	2015-16	
2	Member	Central Committee of NAAC Student Affairs and Development	1-06-2013	Till date
3	Member	Committee of College NBA	14-03-2012	Till date

4	Member	Board of studies (PG) of Mech. Engg	19-12-2013	Till date
5	Member	Committee of College Computer Centre Maintenance	02-08-2010	Till date
6	Member	Committee for Alumni cell	02-08-2010	Till date
7	Member	Academic Council	27-01-2010	Till date
8	Member	Board of studies (UG) of Mech. Engg	27-01-2010	Till date
9	Member	Committee for Book Bank maintenance	04-07-2008	Till date
10	Member	Committee of college database maintenance	31-01-2008	Till date
11	Member	Ragging Vigilance Committee	2007	Till date
12	Member	Committee for awarding Bogeneni chenchurama Naidu gold medals	09-08-2007	9-09-2007

Membership with Academic Bodies

- Member, BOS UG , Dept. of Mechanical Engineering , SVUCE, Tirupati
- Member, BOS PG , Dept. of Mechanical Engineering , SVUCE, Tirupati

Membership with Professional Bodies

- Life Member, Indian Welding Society, Thiruchy, Member No. L - 00759.
- Life Member, Indian Institute of Welding, Kolkata, Reg. No. VIZ/M/R-9857/L.
- Member, Mechanical Engineering Association, SVUCE, Tirupati.
- Life Member, The Indian Institute of Metals, Kolkata, Membership No. CO6-LM-51844.
- Member of International Association of Engineers, Member No. 141068.
- Member of The Institution of Engineers (India), Member Number: M-148231-3.

- Presently Executive committee member of The Institution of Engineers (India), Tirupati local chapter for the year 2014-16.
- Life Member, Indian Society of Technical Education (ISTE).LM-100738

Membership with other Bodies

- Member of SVUTA
- Member of SVUWTA

(P. HEMA)