

**Dr. N.VENKATACHALAPATHI**

E-mail: principal@sitams.org

Cell:9848458620

Professor of ME & Principal

Sreenivasa Institute of Technology and Management studies, Chittoor-517127.

**Qualifications**

B.Tech- S.V. University Tirupati

M.Tech –V.T. University Belgaum

(Gold medalist)

Ph.D- S.V. University Tirupati

PGDPE- CIPET Chennai

PGDIRPM- S.V. University Tirupati.,

F.I.E., - Institute of Engineering (India)

**Research Guidance**

Guided 5 research scholars out of which 2 got PhD degree and 1 submitted his thesis and 2 submitted Pre-talk.

**Peer Reviewed Journals**

Published 27 International/National journals and 32 papers in conference proceedings.

**Professional Experience**

27 years of experience in Teaching/Research/Industry out of which 8 years as Professor & 4 years as Principal.

**Prior Experience**

Former Principal (BITS, Warangal),(NITS, Satanapalli)

Former Professor (R&D) VELAMMAL ENGINEERING COLLEGE

Former Professor (R&D) VELTECH DEEMED TO BE

UNIVERSITY, CHENNAI.

Former Associate Professor SKIT ,SRIKALAHASTI

**Former** Professor & Dean (R&D) at

ANNAMACHARYAINSTITUTE OF TECHNOLOGY AND SCIENCES (AUTONOMOUS),Rajampet

**Contributions to the Institute**

- R & D Activities (Govt.Funding, Consultancy,Patents, Innovation)
- Incubation & Ideas lab
- MOUs for Training and MOUs for Placement
- Reputed Software Company's placement brought to the Campus
- Admission strategy (Procedures of Chennai and Coimbatore)
- Organizing FDPs (Online & Offline)
- Skilling Programs
- Bootcamps
- Ideation workshops
- Awareness workshops for Industries
- Internships
- Professional skilling programs
- Open Day for School Students
- Newsletters
- Webpage
- Annual Conference/Symposium with multidiscipline

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES::CHITTOOR**  
(An Autonomous, and NBA Accredited Institution)  
AFFILIATED TO JNTUA .ANANTAPURAMU, ANDHRA PRADESH.



Dr. N.VENKATACHALAPATHI

B.Tech., M.Tech(VTU), Ph.D(SVU), PGDPE(CIPET), PGDIRPM., F.I.E.,

FORMER PRINCIPAL (BITS, WARANGAL)(NIT SATTENAPALLI)

FORMER PROFESSOR (R&D) VELAMMAL ENGINEERING COLLEGE CHENNAI

FORMER PROFESSOR (R&D) VELTECH TECHNICAL UNIVERSITY, CHENNAI.

FORMER PROFESSOR & DEAN (R&D) ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCE RAJAMPET.

FORMER PROFESSOR (R&D) INSTITUTE OF AERONAUTICAL ENGINEERING, HYDERABAD.



**Dr. VENKATACHALAPATHI NYNARU**

**Professor & Principal**

*Sreenivasa Institute of Technology and  
Management Studies  
Chittoor -517127  
Andhra Pradesh.,India*

**Permanent Address:**

**House No.3-607,  
Peerla Chavadi Street  
Srikalahasti-517644  
Chittoor District.  
Andhra Pradesh.**

**Telephone:+91 9848458620**

**Email: [nvcprincipal@gmail.com](mailto:nvcprincipal@gmail.com)  
[principal@sitams.org](mailto:principal@sitams.org)**

**Personal Data:**

**Date of Birth: 15<sup>th</sup> Feb 1970**

**Sex: Male**

**Nationality: Indian**

**Marital Status: Married**

✓ Graduated in Mechanical Engineering (1992) from SVU (Sri Venkateswara University World famous holy temple of Tirupati) one of the premier Technical Institutions in India, Post graduated in Production Management from VTU (Visveswaraiah Technological University) and awarded with Ph.D. degree in Mechanical Engineering (2009) from Sri Venkateswara University. An experienced academician with over 27 years of Teaching, Research and Industry experience at various levels in Mechanical/Production Engineering disciplines includes Lean manufacturing, product development, FMS simulation and composites.

***Dr. N.Venkatachalapathi is currently working as Professor and Principal at Sreenivasa Institute of Technology and Management Studies, (Autonomous) Chittoor.***

- ✓ Prior to this engaged in academics, industrial consultancy internationally leading and highly advanced Institute of Aeronautical Engineering, Annamacharya Institute of Technology and Science, Vel Tech Technical University and Velammal Engineering College, Chennai for projects, academic consultancy providing advisory and counseling support for students planning MS study at US Universities.
- ✓ Industrial/Research/Academic experience with reputed establishments related to the hi-tech areas of Mechanical/Production/ Industrial Engineering fields.
- ✓ He held advisory positions as Principal in Institutions such as Balaji Institute of Technology and Science (BITS), Nalanda ,Institute of Technology (NIT) and KKC Institute of Technology and Engineering (KKC).
- ✓ I have visited IIT Madras, IIT Bombay, IIT Delhi, IIT Varanasi and IISc Bangalore and associated with them as programs expert. I have published many papers in National and International Journals. Participated in several national / international conferences related to hi-tech areas of industrial and Production Engineering. I am known for my virtues as a wise mentor, friendly Professor, innovative supervisor, and a visionary administrator. Recently participated and presented a Research paper in 4th International Conference on Mechanical, Manufacturing and Plant Engineering at Malaysia. Till date have successfully faced 2 times NBA Expert Audit team ,Two times NAAC audit team, one time Autonomous Audit team. Also having three years of Industrial experience as production engineer.

Details of Professional Experience

Sl. No..	Designation	Name of the organization	Scale and Basic Pay
1	Lecturer in Mechanical Engineering	N.B.K.R.Institute of Technology and Science, Vidyannagar, Nellore District, A.P.	2200-75-2800-100-4000 and 2350
	(01-07-1995 to 13-03-2001)	Sri Venkateswara College of Engineering and Technology, Chittoor	2200-75-2800-100-4000 and 2350
	<b>4.5 Years</b>	PBR Visvodaya Institute of Technology and Science, Kavali	8000-275-13500 and 8550
2	Assistant Professor in Mech.Engg (14-03-2001 to 31-07-2008) <b>7.4 Years</b>	Srikalahasteeswara Institute of Technology, Srikalahasti, Chittoor District, A.P.	10000-325-15200 and 16463
3	07-01-2015	Balaji Institute of Technology and Science (BITS), Laknepally, Narsampet, Warangal, A.P.	16400-500-22400 and 29100
	(01-08-2008 to 04-07-2012)	Nalanda Institute of Technology, Sattenapalli, Guntur District.AP	18400-520-22400 and 29100
	<b>Ratified by JNTU 4 Years</b>	KKC Institute of Technology and Engineering, Puttur, Chittoor Dist.	18400-520-22400 and 29100
4	Professor (R & D) (05-07-2012 to 07-01-2015) <b>3 Years</b>	Velammal Engineering College, Chennai-66. Tamilnadu	Pay Band 40,890-67000
5	Professor (08-1-2015 to 31-5-2016) <b>1.4 Years</b>	Veltech Technical University Chennai-600 062	Pay Band 42,120-67000
6	Professor and Dean (R&D) <b>Ratified by JNTUA 6 Years</b> (01-6-2016 to 13-03-2022)	Annamacharya Institute of Technology and Sciences, Rajampet.	Pay Band 42,120-67000
7	Professor (14-03-2022 to 27-11-2022)	Institute of Aeronautical Engineering, Hyderabad.	Pay Band 42,120-67000
8	Professor & Principal (28-11-2022 to till date)	Sreenivasa Institute of Technology and Management Studies,Chittoor	Pay Band 42,120-67000
<b>Total Experience in Teaching (as on 29-05-2023)</b>			<b>27 Years</b>
<b>Total Experience in Industry</b>			<b>2 Year &amp; 8 Months</b>
<b>Total Experience in (Teaching &amp; Industry)</b>			<b>29 Years &amp; 8 Months</b>

VENKATACHALAPATHI NYNARU

Email:

[nvcprincipal@gmail.com](mailto:nvcprincipal@gmail.com)

### Permanent Address:

House No.3-607,  
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Chittoor District  
Andhra Pradesh  
India

Telephone:

Personal: +91 9848458620

Personal Data:

Date of Birth: 15<sup>th</sup> Feb 1970

Sex: Male

Nationality: Indian

Marital Status: Married

Current Designation:

### **Professor and Dean (R&D)**

AITS,  
Rajampet-516126  
Kadapa Dist. A.P.,  
India.

Job Responsibilities:

Teaching and Learning  
Research and Development  
Industry Institute Collaborations Faculty  
Evaluation  
Result Analysis  
Quality Assurance  
Budgeting (Research and Lab)  
Technical Proposals Review and  
approval  
Institution accreditation AICTE, University,  
UGC, NBA liaisons.

### Education

- **PhD** in Mechanical Engineering, Sri Venkateswara University, Tirupati, Andhra Pradesh India, 2009 *Thesis: Some studies on Simulation, Scheduling and Optimization of Flexible Manufacturing System*
- **Master of Technology** in Production Management, Visveswaraiah Technological University, Belgaum, India, 2000
- **Bachelor of Technology** in Mechanical Engineering, Sri Venkateswara University, Tirupati, India, 1988-1992

### Professional Experience – 21 years

- Working as **Professor and Principal** at Sreenivasa Institute of Technology and Management studies, Chittoor from 28-11-2022 to till date.
- Worked as **Professor** at Institute of Aeronautical Engineering, Hyderabad from 14-03-2022 to 27-11-2022.
- Worked as **Professor and Dean (R & D)** at Annamacharya Institute of Technology and Sciences, Rajampet from 1<sup>st</sup> June 2016 to 13<sup>th</sup> March 2022.
- Worked as **Professor (R&D)** at Vel Tech University from 8<sup>th</sup> January, 2015 to 31<sup>st</sup> May 2016.
- Worked as **Professor (R & D)** At Velammal Engg. College, Surapet, Chennai from 5<sup>th</sup> July 2012 to 07-01-2015 (3 Years)
- Worked as **Professor of ME & Principal**, BITS, Narsampet, NIT Sattenapalli, KKC Puttur from 1<sup>st</sup> August 2008 to 4<sup>th</sup> July 2012. (4 Years)
- Worked as **Assistant Professor** in Mechanical Engineering, Sri Kalahasteeswara Institute of Technology, Srikalahasti from 14<sup>th</sup> March 2001 to 31<sup>st</sup> July 2008. (7.4 Years)
- Worked as **Lecturer** in Mechanical Engineering, NBKRIST, Vidyanagar, from 1<sup>st</sup> July to 30<sup>th</sup> April 1998 and SVCET, Chittoor, PBRVITS, Ka ali from 9<sup>th</sup> September 1999 to 13<sup>th</sup> March 2001. (4.5 Years)
- Worked as **Production Engineer** in M/s DJ Multipack Ltd, Chennai from April 1992 to August 1995 (2.8 Years)

### Achievements

- Achieved **Best Paper Award** on Winners of Doctoral Paper Competition at AIMS-6, December 28-31 2008, IBA, Greater Noida.
- **Member in Board of Studies (BOS)** at N.B.K.R. Institute of Science and Technology, Vidyanagar, Autonomous, JNTU, Anantapur since November, 2013.
- **Member in Governing Counsel** at KKC Institute of Technology and Science, Puttur, Affiliated to JNTU, Anantapur, AP.
- Received **SHIKSHA RATTAN PURSKAR Award** at New Delhi For Meritorious Services, Outstanding Performance and Remarkable Role presented by Dr. Bhisma Narain Singh Former Governor of Tamilnadu on 10-6-2013.
- **Visiting Professor/Chaired the session on Higher Education at the 12<sup>th</sup> AIMS International conference on Management, Indian Institute of Management (IIMK) Kozhikode.**
- **Invited Speaker at BIT, Anna University Tiruchirapalli**
- **Published more than 50 papers** in International conferences/Journals includes Simulation, Flow shop scheduling, Optimization and Design
- **Organized National Seminar on Research Methodology and Projects and consultancy (RMPC-2013) & National conference on ERA-2014.**
- **Seminars delivered at National and International level.**
- **University Inspection committee member.**
- **Course work Completed for One PhD. Guiding two PhDs pipeline**
- **Keynote speaker at National/International technical Conferences**

### Work Experience/Consultancy Areas

- ARENA Simulation, Multivariate Quality control charts and Optimization
- Various specialization worked include Production, Industrial Engineering, Composite Materials and Polymer Application
- Fabrication, Design and Development of 3D Printing
- Experience includes handling customers in Dubai, Australia etc
- Taught at Graduate and Under Graduate level.

<b>Sl. No.</b>	<b>Particulars</b>	<b>Number</b>
<b>1</b>	<b>International /National Journals</b>	<b>27</b>
<b>2</b>	<b>Articles / Chapters published in Books</b>	<b>2</b>
<b>3</b>	<b>Research Funding (DST, AICTE,DST-NIMAT, IED)</b>	<b>6</b>
<b>4</b>	<b>International Conference Proceedings</b>	<b>20</b>
<b>5</b>	<b>National Conference Proceedings</b>	<b>12</b>
<b>6</b>	<b>Research Guidance PhD + M.Tech</b>	<b>2 AWARDED 3 (Pursuing) + 25</b>
<b>7</b>	<b>Short term training Courses</b>	<b>26</b>
<b>8</b>	<b>Keynote speaker, Invited Lectures and Chairmanships at national or international conference level/ seminars</b>	<b>48</b>
<b>9</b>	<b>Awards, BOS and Fellowships</b>	<b>5</b>

*Few Selected Publications*

**International Publications**

**Published**

1. **Venkatachalapathi, N** and Ramakrishna rao, A, 2010., “ Simulation, Regression analysis for consistent decisions for FMS Scheduling”., AIMS-INTERNATIONAL JOURNAL OF MANAGEMENT., Volume 4 Number 1, pp.25-36. (Impact factor 2.019)
2. Sreenivasulu A, **Venkatachalapathi.N** and Bala Chennaiah 2011., “Simulation Modeling and Analysis of Part Scheduling and Tool Sharing Decisions in a Flexible Manufacturing System”., International Journal of Industrial Engineering and Technology .,Volume 3, Number 1,ISSN 0974-3146.,pp.119-128. In Press.
3. Sreenivasulu Avija, Ramakrishna rao, A and **Venkatachalapathi.N**,2011.,”Multi-criterion optimization for scheduling in Flexible Manufacturing system simulation using Integer Programming.”., **ENGINEERING TODAY JOURNAL**., Volume XIII., ISSUE 8., ISSN:0974-8377., pp.113-123.
4. Abinesh P and **Venkatachalapathi.N**, 2014.,”Coal Extraction System with Pulse Jet Bag Filter”., INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES AND RESEARCH.,Volume No.3(8),ISSN:2277-9655.,pp.414-423. (**Impact factor 3.449**)
5. Anish Raman C, Varatharajan K, Abinesh P and **Venkatachalapathi N**, 2014 “Analysis of MTBE as an Oxygenate Additive to Gasoline” INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND APPLICATIONS.,Volume 4, Issue 3(Version1) ISSN:2248-9622, pp.712-718
6. Anish Raman C, Varatharajan K, Abinesh P and **Venkatachalapathi N**, 2014., “Literature Review on Effect of Oxygenated Additives on S.I.Engine Performance and Emissions”, INTERNATIONAL JOURNAL OF ENGINEERING ,BUSINESS AND ENTERPRISE APPLICATIONS.,Vol.14-448 ISSN:2279-0020, pp. 73-76.
7. **Venkatachalapathi N**, Bhaskara Rao,L and Ramakrishna Rao A, 2014.,” Pre-designing multivariate controlled Performance of FMS – Application of Principal component Analysis” International Journal of Production Research. (Under Review)
8. <sup>1</sup>A. Bhargav, <sup>2</sup>**Dr. N. Venkatachalapathi**, <sup>3</sup>M.L.S. Deva Kumar ,”Machine Tool Scheduling Problem for Reconfigurable Manufacturing System (RMS)”2016Australian Journal of Basic and Applied Sciences,10(18) ,Pages: 176-180.
9. <sup>1</sup>G. Yellam Raju, <sup>2</sup>G. Amarnath,<sup>3</sup>**Dr. N. Venkatachalapathi**, 2017”Vibration Analysis Of Cnt Composites For Aerospace Applications” Australian Journal of Basic and Applied Sciences,11(11), Pages: 48-59.

10. T.Nishkala\*<sup>1</sup>, V. Chengal Reddy<sup>2</sup>, **Dr. N. Venkata Chalapathi** “Optimization of WEDM Process by using Modified TLBO Technique International “ Journal of research in Advent Technology, Vol.5, No.4, April 2017 E-ISSN:2321-9637.
11. A. Sreenivasulu ,N. Venkatachalapathi,G. Prasanthi , “**Modeling and Analysis for Minimization of Mean Flow Time in FMS Simulation**”Journal of Advanced Manufacturing Systems ,Vol. 14, No. 4 (2015) 235–245.
12. Materials Today Journal, “Development of an approach for Knowledge-Based System for CAD modelling” EJ Reddy, N Venkatachalapathi, VP Rangadu -, 2018 Cited by 3 Related articles Elsever publications
13. Materials Today Journal, Optimization of Process parameters and Comparative study on Bi-Metallic Joints developed by High- Temperature microbrazing, Laser and GTAW Joining Processes, S. Venkatesh, N.Nagaraju, N. Venkatachalapathi (2018) <https://doi.org/10.1016/j.matpr.2017.11.374>
14. International Journal of Mechanical Engineering and Technology “Mechanical properties and morphology of poly (lactic acid) (pla) with different flexible Copolymers “Volume 10, Issue 01, January 2019, pp. 745–754, Article ID: IJMET\_10\_01\_076, B.RAMANJANEYULU, N.Venkatachalapathi, G.Prasanthi Scopus.
15. International Journal of Recent Technology and Engineering “ tensile and micro structural properties analysis of biodegradable polymers” “Volume 8, Issue 02, July 2019, pp. 1866–1869, B.RAMANJANEYULU, N.Venkatachalapathi, G.Prasanthi. Scopus.
16. Solid State Technology, “Multi Stage Reliability Optimization Usingstochastic Dynamic Programming” **k.sathishbabu , s.venkateswarlu , N.venkatachalapathi** 10/29/2020**Vol. 63 No. 2s (2020)** [solidstatetechnology.us/index.php/JSST/view/3656](http://solidstatetechnology.us/index.php/JSST/view/3656).
17. International Journal of Ambient Energy “Melt rheology properties of PLA/ABS/TCS polymer blends”.B. Ramanjaneyulu, N. Venkatachalapathi & G. Prasanthi (2020): DOI: 10.1080/01430750.2020.1745885 To link to this article: <https://doi.org/10.1080/01430750.2020.1745885>
18. Materials Today “ Testing and Characterization of Binary and Ternary blends with Poly (Lactic acid), acrylonitrile-butadiene-styrene and tapioca cassava starch powder”.B. Ramanjaneyulu, N. Venkatachalapathi & G. Prasanthi (2019) Proceedings 27, 2183-2186 DOI:[10.1016/j.matpr.2019.09.092](https://doi.org/10.1016/j.matpr.2019.09.092)

## International Conferences

- 1) *Students Education in Andhra Pradesh and Telengana Region – An Asset, proceedings of 12<sup>th</sup> AIMS International Conference on Management at Indian Institute of Management Kozhikode (AIMS2015), P.P 250-259.*
- 2) *Seeking for a Goldmine through TQM and Market Surveys, proceedings of 12<sup>th</sup> AIMS International Conference on Management at Indian Institute of Management Kozhikode (AIMS2015), P.P*



- 3) *Internal Marks System Survey in Engineering Colleges – A Regression Analysis proceedings of 12<sup>th</sup> AIMS International Conference on Management at Indian Institute of Management Kozhikode (AIMS2015), P.P*
- 4) *Design of prioritized Cost Elements (PCE) Model to optimize Inventory – a case study with Wind energy Industry, Proceeding of International conference ICAMME-14 at SKCET, Coimbatore.*
- 5) *Designing and controlling the performance of FMS – application of Principle component analysis, Proceeding of International conference at VELTECH UNIVERSITY, Chennai on 22-24, February, 2014.*
- 6) *VR Heuristic Algorithms an Extension of CDS's Heuristic for the Flow shop Scheduling problems, Proceedings of International Conference at ANNA UNIVERSITY, Chennai 6-8<sup>th</sup> January, 2014.*
- 7) *Analyzing Simulation Modeling for AGVS, Proceeding of International Conference (AIMS13) at IIM, Bangalore on 4-7<sup>th</sup> January, 2013*
- 8) *Simulation, Regression analysis for consistent decisions for FMS Scheduling, Proceeding of International Conference (AIMS) at Indian Business Academy, Greater Noida on 28-31<sup>st</sup> December, 2008.*
- 9) *Multivariate quality control problem on FMS Simulation, Proceeding of International conference at ANDHRA UNIVERSITY, VISAKHAPATNAM on 29-30<sup>th</sup> June, 2008.*
- 10) *Predicting the performance of Flexible Manufacturing system – Durbin Watson Approach, Proceeding of International Conference at SATHYABAMA UNIVERSITY, Chennai on 28-30<sup>th</sup> November, 2007.*
- 11) *Predicting the Performance of Flexible Manufacturing system – A Multiple Regression Approach, Proceeding of International conference at IITMADRAS, Chennai on 21-24<sup>th</sup> November, 2007.*
- 12) *Development of improvement flow shop scheduling – New heuristic algorithms, Proceeding of International conference at Pondicherry University, Pondicherry on 16-18<sup>th</sup> December, 2005.*

## National Conferences

1. “Thermal Analysis of IC Engine Piston using Aluminum and Silicon Carbide composite”, National Conference on ERA-2014, Velammal Engineering College, Chennai. On 28<sup>th</sup> March, 2014.
2. “Productivity Optimization by Automation in Facing and Centering Machine”, National Conference on ERA-2014, Velammal Engineering College, Chennai. On 28<sup>th</sup> March, 2014.
3. “The Effects of Element type and contact formulation technologies on Finite Element Analysis” National Conference at Andhra University, Visakhapatnam on 28<sup>th</sup> May, 2013.
4. “Minimization of makespan in FMS simulation modeling” National conference at Adikavi nannaya University, Rajamundry on 6-7<sup>th</sup> July 2012.
5. “Performance Evaluation of Flexible Manufacturing system with AGV’s – A simulation approach using ARENA” National conference at Panimalar Engineering college, Chennai on 16<sup>th</sup> March, 2007.
6. “Optimization of AGV Utilization – A simulation of FMS Environment using ARENA” National Conference at Deccan College of Engineering and Technology, Hyderabad on 5-6<sup>th</sup> March 2007.
7. “Optimization of Resource Utilization-A simulation of FMS Environment using ARENA” National conference at NCACIM, Jodhpur on 16-17<sup>th</sup> February, 2007.
8. “Simulation Modelling of FMS environment using ARENA” National Conference at St.Joseph’s collod of Engineering, Chennai on 30<sup>th</sup> January, 2007.
9. “Scheduling AGV’s in FMS – Simulation approach using ARENA” National conference at Kakatiya Institute of Technology and Science, Warangal on 29-30<sup>th</sup> December, 2006
- 10 “Simulation Environment for Development and Testing of FMS using ARENA” National conference at SRKR Engineering College, Bhimavaram on 22-23<sup>th</sup> December, 2006.
- 11.K.Venkata sai teja, N.V venkata chalapathi,v.sridhar and G.Sudhakar,An improvement of properties on fiber reinforced polymer composite-A review Study.
- 12.Lithinranganath,<sup>1</sup> N.V venkata chalapathi,<sup>2</sup> G.jathin<sup>3</sup> and J.hanumesh<sup>4</sup> development Of Polymer Bio Composites-A Comprehensive Discussion.

## Awards

Received **Best Paperaward** for “Simulation Regression Analysis for Consistent Decision for FMS Scheduling”, International Conference at AIMS-06, Winners of Doctoral Paper Competition, Indian Business Academy, Greater Noida, 2008

Received **SHIKSHA RATTAN PURSKAR Award** at New Delhi For Meritorious Services,Outstanding Performance and Remarkable Role presented by Dr.Bhishma Narain Singh Former Governor of Tamilnadu on 10-6-2013.

## Computer Skills

1. Microsoft Office
2. AutoCAD Software
3. Pro Engineer CAD/CAM Software
4. Programming and Operation Of CNC Machines

## Courses Organized

1. **Research Methodology Projects & Consultancy (RMPC-13)**, National Seminar at VEC, Chennai ,May 17, 2013
2. **National Conference on Emerging Research and Advances in Mechanical Sciences (ERA-2014)**, at VEC, Chennai, March 28, 2014
3. **International Conference on Advances in Science Engineering and Mathematics (ICASEM-2020) at AITS, Rajampet, August 7-9<sup>th</sup> 2020,**
4. An international Webinar was organized through online.Resource person Dr.Paul Rodgues, Professor of CSE, Saudiarabia
5. National Three days R & D Webinar on “Promotion of Collaborations, Impactful Papers and Decision sciences” was organized from 29-7-2021 to 31-7-2022.

## FDP Participated

S.No	Date	Venue	Title	Duration
1	12-24 <sup>th</sup> August, 2002	BIET,Davangere	AICTE Sponsored STTP on CIM	Two Week
2	24 <sup>th</sup> May to 4 <sup>th</sup> June 2004	NBKRIST	SDP on Recent trends in M&IE	Two Week
3	19-24 <sup>th</sup> June 2006	NBKRIST	SDP on Advances in TS	One Week
4	18-23 <sup>rd</sup> December, 20006	SRKR Bhimavaram	SDP on ET in ME for Sus.Dev.	One Week
5	2-6 <sup>th</sup> April, 2007	BIT, Bangalore	STTP on RT in QEM	One Week
6	2-7 <sup>th</sup> January, 2012	ACET, Gudur	QIP on Engineering Drawing	One Week
7	28 <sup>th</sup> May to 1 <sup>st</sup> June,2012	MSRIT,Bangalore	SDP on Heritage Insc.Doc.Proceg.	One Week
8	13=24 <sup>th</sup> May, 2013	PSG Tech,Coimtr.	FDP on Entreneurship	Two Week

## Book Published

Sl. No.	Name of Author and Title	Name of the Book	Publisher	Year of Publication
1	Dr.N.Venkatachalapathi Designing and Controlling the Performance of FMS: Application of Principle Component Analysis	Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering	Springer	2014

### Training Program Organized

- 1.Organized a series of training programs on AutoCAD software for Practicing Engineers
- 2.Organized three training programs on Pro- Engineer CAD/CAM Software
- 3.Co-ordinated a training program on Programming and Operation of CNC Machines

### Workshop Participated

S.No	Date	Venue	Title	Duration
1	24 <sup>th</sup> September, 2011	MIT,S, Madanapali	Recent Advances in ME	One Day
2	5 <sup>th</sup> April, 2012	JNTUA, Anantapur	Rajiv Yuva Kiranalu	One Day
3	28-30 <sup>th</sup> November, 2012	Saveetha Chennai	Adv.Engg.Opt.&Mod. Mat lab	Two Days
4	1 <sup>st</sup> December, 2012	VIT, Chennai	RT and Adv. In Sheet MForming	One Day
5	9 <sup>th</sup> December, 2012	IIT Bombay	SCI.Lab Spoken Tutorial Workshop	One Day
6	26 <sup>th</sup> February, 2014	Anna University	R & D Project Proposals	One Day

### Additional Responsibilities

1. Management Representative (MR) for ISO 9001:2008, established Fifteen Quality Procedures( Academic, Examination, Library, Placement etc ) with relevant formats and successfully put into practice.
- 2, Separate Annexure of ISO formats harmonizing with NBA-SAR (recent format 2012-13) has been generated and being followed by the departments and periodical internal audit also being conducted.
3. Incharge of Heading the Mechanical Engineering department and Project Coordinator
- 4.Prepared the NBA – SAR for Mechanical Engg. department , faced NBA inspection team and obtained accreditation for Two years.

### Guest Lectures Delivered

S.No.	Conference organizer	Title	Year	Participants
1	KHIT, Guntur	Mst. and Control system	2012	
2.	GVIC, Madanapalle	Latest Trends in Mfg.Tech.	2013	

3	SVUCE, Tirupati	New Heuristic Algorithm	2012	(As Key Note Speaker)  Students, Lecturers, Senior Lecturers and Assistant Professors working in Engineering Colleges in the Country
4	DBSIT, Kavali	Advanced Welding Techs.	2013	
5	Sriram Engg.College,Tirupati	App.oriented Engg.Graphics	Nov.2012	
6	SITE, Srikalahasti	ET in Mech.Engineering	Feb,2013	
7	AUCE, Visakhapatnam	Advanced Welding Process	May,2013	
8	KKCT, Puttur	Aptitude for Engineers	Oct,2013	
9	NBKRIST, Vidyanagar	Engg.Graphics for Engineers	Nov,2013	
10	SIESTK, Puttur	ET in Mechatronics	Nov,2013	
11	SISTK, Puttur	Application of Engg.Drg.	Nov.2013	
12	BIT, Anna University, Trichy	Stress Management	Dec,2013	
13	Chalapathi Inst.of Tech, Guntur	Session Chair	Mar,2014	
14	Srirama Engg.College,TPT.	Talk on Entrepreneurship	Jul,2014	
15	IIM, Kozhikode	Session Chair	Jan,2015	

### **Research Areas:**

*Simulation, Scheduling, Optimization, Flexible Manufacturing System, Supply chain management, 3 D Printing.*

### **Teaching interests:**

*Manufacturing Technology, Mechatronics, Engineering Materials and Metallurgy, Machine tools and Metrology, Operations Research, Total Quality Management, Production Planning and Control, Design of Machine Elements, Instrumentation and control systems, Thermal Engineering, Management Science.*

### **References:**

- **Prof. A.Ramakrishna Rao**, Ph.D (IIT Kharagpur)  
Director, Sri Padmavathi Mahila Vishwavidhyalam, Tirupati.  
Former Principal and Dean of Engineering, S.V.University College of Engineering, Tirupati – 517 502, India Ph: +91- 99590-45556 (Home)  
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- **Prof.B.Subramanyam**.  
Former Director -Research, KL University,Vijayawada, A.P.  
Ph: +91- 94901-66081 (Home),  
eMail: [bsubramanyamb@gmail.com](mailto:bsubramanyamb@gmail.com)  
(Ex-Principal at SVUCE,Tirupati, Ex-Director at Narayana and Nalanda Engineering college)
- **Prof. C.R.Muthukrishnan**, Advisor, Velammal Engineering College, Chennai.  
(Former Director, IIT, Madras.)  
eMail: [crmkrishnan@gmail.com](mailto:crmkrishnan@gmail.com)
- **Prof.L.Vijaya Ragavan**, Manufacturing Section, IIT MADRAS, Chennai.
- **Prof.K.Hemachandra Reddy**, Chairman, APSCHE, Govt. Of Andhra Pradesh.
- **Prof.H.Sudarshana Rao**, JNTUA, Ananatapur.
- **Prof. G. Prabhakar Rao**, Former Director, AITS, Rajampet.

### Organisations, Roles and Professional Experience

S. No	Organization	Role	Year of Joining
1	AIMS RAJAMPET	PROFESSOR AND DEAN (R&D)	2016
2	VELTECH UNIVERSITY, CHENNAI	PROFESSOR (R&D)	2015
3	VELAMMAL ENGG. COLLEGE, CHENNAI	PROFESSOR (R&D)	2012
4	KKC, NIT, BITS, WARANGAL	PRINCIPAL	2008
5	SKIT, SRIKALAHASTI	ASSOC. PROFESSOR	2001
6	NBKR, SVCET, VITS, KAVALI	ASST. PROFESSOR	1999
7	D J MULTI PACKS LTD, CHENNAI	PRODUCTION ENGINEER	1995

### Theses

- PhD – Some studies on simulation, scheduling and optimization of Flexible manufacturing Systems, Sri Venkateswara University, Tirupati, Andhra Pradesh (2009).
- M.Tech (Production Management) – University Ranker, Visveswaraiah Technological University, Belgaum, India (2000).

### Research Projects Completed / Levels of Participation

Involving a total financial outlay of more than INR 600000, funded by Governments of India, and the Industry

S.No	Name of the Project	Role	Sponsor
1	Synthesis and Characterization of Biodegradable composites by Biodegradable composites as an alternative materials in High tunnel Agricultural Applications	Principal Investigator	IEI (INDIA)
2	Design and performance analysis of axial flow wind turbine for house hold applications in rural areas	Principal Investigator	IEI(INDIA)
3	Entrepreneurship Awareness Camp-1 Entrepreneurship Awareness Camp-2	Principal Investigator	EDII/DST- NIMAT
4	STTP	Coordinator	AICTE
5	Entrepreneurship Awareness Camp-1	Principal Investigator	EDII/DST- NIMAT
6	SEMINAR GRANT	Principal Investigator	AICTE

### **Research Supervision / Guidance**

Fields of Research: Flexible Manufacturing system, Optimization, Simulation and Scheduling, Composite Materials, 3 D Printing/ Additive Manufacturing

Supervised TWO Theses/Dissertations (PhD – 2, M Tech / ME – 28, B Tech – 25).

### **PhD AWARDED:**

1. A.Sreenivasulu Admn.No.11PH0313, ‘Simulation Modelling and Analysis of Part and Tool Movement, Faculty of Mechanical Engineering, JNTUA, Ananthapuramu, July, 2018.
2. E.Jayakiran Reddy, Admn.No.13PH0309, ‘Development of web-oriented knowledge-based CAD modelling system for Spur Gear and Industrial Battery stack’, Faculty of Mechanical Engineering, JNTUA, Ananthapuramu, May,2019.

### **PhD PURSUING:**

- 1.B.Bhargav,Admn.No.14PH0325, ‘Research Outline On Reconfigurable Manufacturing System Production Scheduling’, Faculty of Mechanical Engineering, JNTUA, Ananthapuramu (2014-15)
2. B.Ramanjaneyulu, Admn.No.16PH0335, “Synthesis and characterization of biodegradable composites” Faculty of Mechanical Engineering, JNTUA, Ananthapuramu.(2016-17)
3. S.Ramanadha Reddy, Admn.No.19PH0326, “Some studies on optimization and Analysis of composite material used in Rapid Prototyping of Automobile applications”. Faculty of Mechanical Engineering, JNTUA. (2019-20)

### **Team Building /Technical Leadership**

Jul. 2012 - Jan. 2015 Professor(R&D), Velammal Engineering College, Chennai  
Responsible for multi institutional R&D, Consultancy and Patents involving Professors/Scientists/Stakeholders

Jan. 2015 - May. 2016 Professor(R&D), Veltech Deemed to be University, Chennai  
Responsible for international Universities R&D projects and internships for the students and faculty

### **Awards / Fellowships / Recognitions**

- Fellow Institute of Engineers India (IEI).
- Member in AIMS International.
- Shiksha Rattan Purashkar Award, IIFS, New Delhi.
- Best paper award, AIMS-06, Winnwers of Doctoral Paper Competition, Greater Noida.
- VTU, Belgaum University Ranker / Gold Medalist (2000).

### **Institution Building / Organizational Management / Leadership**

- Governing Body Member, KKC, Puttur,AP 2011 -2012.
- Academic Counsel Member, KKC,Puttur, AP.
- Boards of studies Chairman, AITS, Rajampet, 2016-18.
- Boards of studies member, NBKRIST, Vidyanagar, 2014-16

- Adviser, M/s Gen Power Private Limited, Chennai.
- Session Chair, NIT, Trichy
- Session chair, NNRG, Hyderabad.
- Session chair, IIM, Kozhikode
- Session chair, IBA, Bangalore

### **Institutional Collaborations**

#### **Academics, Research and Development, Invited Talks**

##### **MALAYSIA**

1. UNIVERSITY MALAYA, MALAYSIA
2. Universiti Malaysia Pahang, UMP
3. Universiti Tun Hussein onn, Malaysia (UTHM)
4. Swinburne University of Technology Sarawak Campus (SUTS)

##### **AUSTRALIA**

1. Melbourne University

##### **INDIA**

- |                       |                        |  |
|-----------------------|------------------------|--|
| 1. IIT Delhi          | 10. IIM Kozhikode      | 19. Anna University, Chennai                     |
| 2. IIT Madras         | 11. NIT Trichy         | 20. VIT University                               |
| 3. IIT Bombay         | 12. NIT Warangal       | 21. Saveetha University                          |
| 4. IIT BHU            | 13. SV University      | 22. KIIT, Bhubhaneshwar                          |
| 5. IIT Hyderabad      | 14. Andhra University  | 23. SRM University                               |
| 6. IIT Tirupati       | 15. JNTU Kakinada      | 24. MSRIT, Bangalore                             |
| 7. IISc, Bangalore    | 16. JNTU Hyderabad     | 25. JSS Technical Institutions Campus,<br>Mysuru |
| 8. IBA, Bangalore     | 17. JNTU Ananthapuramu |  |
| 9. IBA, Greater Noida | 18. SPMVV, Tirupati    |  |

##### **Other Activities**

- Chairman, Boards of studies, AITS, RAJAMPET
- Reviewer in *Journal of Process Mechanical Engineering*
- Invited talks / lectures at many institutes / organizations
- Member, Selection committees & Research committees at various Affiliated colleges

##### **Societal Significance of Research and Development Activities**

- Taught, trained and mentored thousands of students and faculty from across the country, in various scientific and engineering domains, and was instrumental in the development of systems for various societal applications as well as in nation building.
- Resource Person at Saveetha Engineering College, Chennai
- Guest of Honor at Anna University, Chennai
- Resource Person at VIT (Chennai campus)
- Resource Person at KHIT, Guntur

**Dr.N.VENKATACHALAPATHI**