Name: **M. VENKATA RAMANA**

Designation: Professor
Department: Department of Automobile Engineering
Mail I'd: venkataramana_m@vnrvjiet.in

Experience (in years): 19 Teaching: 19 Research: 14 Others (if any, specify): NIL

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Tech.	2000	Mechanical Engineering
2	M.Tech.	2003	Mechanical Engineering -Advanced Manufacturing Processes
3	Ph.D.	2015	Mechanical Engineering (Manufacturing – Metal Cutting)

2. Teaching and Learning:

2.1. Teaching Interests:

Production Technology, Machine Tools, Machine Tools and Metrology, CAD/CAM, Unconventional Machining Processes, 3D Printing & Design, 3D Printing Machines, Tooling and Systems, Reverse Engineering, Instrumentation and Control Systems, Power Plant Engg., Product Design and Automation Assembly, Automation and Robotics, Introduction to Computers and Engineering Graphics, Engineering Drawing for **UG program**

Theory of Metal Cutting & Tool Design, Special Manufacturing Processes, Design for Manufacture, Advanced Manufacturing Technologies and Tool Design for **PG program (M.Tech. - AMS).**

2.2. Novel Teaching & Learning Techniques adopted:

Chalk – Board, PPT's, Video's, WIT & WIL and POGIL

2.3. Involvement in curriculum updating / Design:

Manufacturing Technology (R22), Manufacturing Technology (R19), Manufacturing Technology (R18), CAD/CAM (R18), Machine Tools and Metrology (R12, R13 and R15), Production Technology, Machine Tools (R12)

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Playing and Watching Cricket and Watching TV.

3.2. CCA/ECA Organized:

Organizing member for Sintillashunz 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2023 – a cultural fest at VNRVJIET.

3.3. CCA/ECA participated: NIL

3.4. Counseling and Mentoring Activity:

- Mentor for a group of 30 B.Tech Automobile Engineering students 2009 – 2018, 2021-22
- Conducted class review meetings with student representatives

3.5. Committees involved in:

Department level:

- Member in BoS Committee 2011 - 2022
- Member in Department Development Committee 2012 - 2022
- Incharge for SAE Laboratory 2012 - 2016
- Incharge for Engineer in Mirror 2013 - 2014
- Incharge for Shadow Engineering 2012 - 2013
- Incharge for Production Technology & Machine Tools Laboratories and also involved in developmental activities from July 2006 to August 2012.
- Incharge for Departmental Library from July 2005 to January2011.
- Incharge for Industry Oriented Mini Projects from 2009 -2012.
- Coordinator for Diploma in Mechanical Engineering Course 2009 -2012
- Incharge for Diploma Examinations 2009-2012
- Organized industrial tours and visits to B.Tech students
- Incharge for Departmental TEQIP coordinator 2012- 2017
- Incharge for Departmental IQAC coordinator 2014- till date
- SAE Student Chapter - Faculty Advisor 2016 - till date

Institute Level:

- Incharge – Institute Transport 2017- till date
- Incharge – ED cell 2021- till date
- Actively involved during NBA Accreditation Committee visits in 2006, 2008 and 2021 as a member in Accreditation Committee.
- Coordinating literary activates at VNRVJIET (2006 – 2008)

4. Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted:

1. A Three Day National Workshop on **"**Design of Experiments**"** during 1st - 3rd March, 2006 at VNRVJIET, Hyderabad, A.P.
2. A Short Term Intensive Course on "Computational Fluid Dynamics" During 27th - 29th November, 2006, VNRVJIET, Hyderabad, A.P.
3. A Three Day National Conference on "Advances in Manufacturing & Industrial Engineering" during 12th to 14th July 2007 as a Coordinator, VNRVJIET, Hyderabad, A.P.
4. A Three Day National Workshop on "Geometric Modeling using CATIA V5 R18 A Practical Approach**"** during 08th to 10th September 2008 as a Coordinator, VNRVJIET, Hyderabad, A.P.
5. A Two Day National Workshop on "Modeling with STELLA" during 2nd and 3rd January 2009 as a Coordinator, VNRVJIET, Hyderabad, A.P.

6. A Two day National conference on "Sustainability and Social Comfort- Strategizing Design and Manufacturing" during 19th – 20th January 2009, as a Coordinator, VNRVJIET, Hyderabad.
7. A Two Day National Workshop on "Intellectual Property Management & Technopreneurship" during 20th and 21st November 2009, VNRVJIET, Hyderabad.
8. A Two day National conference on "Recent Advances in Manufacturing Engineering & Technology", during 10th -11th January 2011, as a Coordinator, VNRVJIET, Hyderabad.
9. One Week Short Term Course on "Process Planning for Machining Jobs" during27th June 2011 to 02nd July 2011, as a Coordinator,VNRVJIET, Hyderabad.
10. One Week on Short Term Training Programme "Engineering Drawing through AUTOCAD" during 13th August 2012 to 18th August 2012, as a Coordinator, VNRVJIET, Hyderabad as Co – ordinator.
11. TEQIP Sponsored A three Day National Workshop on "Alternative Fuels and Power Train Systems", during 4 – 6 December 2014, VNRVJIET, Hyderabad.
12. TEQIP Sponsored National Workshop on "Recent Trends and Research Opportunities in Manufacturing Processes" (RTROMP-2016) 09-11 MARCH 2016, VNRVJIET, Hyderabad as Co – ordinator.
13. Three Day National Workshop on "Simulation and Analysis of Automotive Systems using Hyper Mesh" (Hyper Works), 04-06 October 2016, VNRVJIET, Hyderabad as Co – ordinator.
14. A Two Day National Workshop on "Electric Mobility and its Ecosystem" during 17 - 18 February 2020, VNRVJIET, Hyderabad.
15. Five-day online Faculty Development Programme on Additive Manufacturing: Present and Future Trends, during 01 – 06 November 2021, VNRVJIET, Hyderabad.
16. Five-day online Faculty Development Programme on Additive Manufacturing: Present and Future Trends, during 01 – 06 November 2021, VNRVJIET, Hyderabad.
17. One-Week Online Faculty Development Program (FDP) on Engineering Graphics Through AUTOCAD during 03 – 07 April 2023, VNRVJIET, Hyderabad.

4.2 Attended:

i. Conferences

1. One Day National Conference On Quality in Manufacturing and Service Organizations at VRSEC, Vijayawada, A.P. 01 November 1999.
2. National Conference on Emerging Trends in Mechanical Engineering at SVITS, Mahabubnagar, A.P, 23 - 24 January 2004.
3. National Conference on Advances in Manufacturing & Industrial Engineering at VNR VJIET, Hyderabad, A.P, 12 - 14 July 2007.
4. National conference on Sustainability and Social Comfort- Strategizing Design & Manufacturing at VNR VJIET, Hyderabad, A.P, 19 - 20 January 2009.
5. National conference on State of the Art of Technologies in Mechanical Engineering, JNTU Hyderabad A.P., 20 – 21 August 2009.
6. National Conference on Advances in Mechanical Engineering [AIM-2010] at Vasavi College of Engineering, Hyderabad, A.P. 18-19 November 2010.
7. National Conference on Recent Advances in Manufacturing Engineering and Technology, VNRVJIET, Hyderabad, A.P., 10-11 January 2011.

8. International Conference on i- COST 2011 - First International Conference on Sunrise Technologies at SSVPSBSD College of Engineering and Polytechnic, Dhule, Maharashtra, 13-15 January 2011.
9. International Conference on Futuristic Trends in Materials and Energy Systems (FTMT-2011), V R Siddhartha Engineering College, Vijayawada, A.P., India, 29-30 December, 2011.
10. International Conference on Materials Processing and Characterization (ICMPC-2012), Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, A.P, India, 08-10 March 2012.
11. 1st International Congress on Computers, Electronics and Communication Engineering (ICCEECE 2014), Chennai, India, 17-18 March 2014.
12. International Conference on Emerging Technologies in Mechanical Sciences (ICEMS-2014), Malla Reddy College of Engineering and Technology, Hyderabad, T.S, India, 26-27, December 2014.
13. International Conference on Emerging Trends in Science and Technology (ICETSTEM -2015), Malla Reddy College of Engineering and Technology, Hyderabad, T.S, India, 09 -10, October 2015.
14. International Conference on Materials Processing and Characterization" (ICMPC'2016), Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Telangana, INDIA, 12-13 March 2016.
15. International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM – 2016), MLRIT, Hyderabad, T.S., 07 – 09 July 2016.
16. 6th National conference on Advances in Mechanical Engineering, Vasavi College of Engg, Hyderabad, T.S., India, 06 - 07 October 2016.
17. International Conference on Materials Processing and Characterization" (ICMPC'2017), Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Telangana, INDIA, 17 -19 March 2017.
18. International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM – 2018), MLRIT, Hyderabad, T.S., 13-14 July 2018.
19. International Conference on Recent Advances in Material, Manufacturing & Energy Systems (ICRAMMES), VRSEC, Vijayawada, 3-4 January, 2019.
20. 3rd International Conference on Advancements in Aeromechanical Materials for Manufacturing" (ICAAMM-2020), MLRIT, Hyderabad, T.S., 24-25 July 2020.
21. 11th International Conference on Materials Processing and Characterization (ICMPC – 2020), Indian Institute of Technology, Indore, 15-17 December 2020.
22. 4th International Conference on Innovations in Mechanical Engineering (ICIME-2021), Gurunanak Institutions, Hyderabad, 26-27 February 2021.
23. 13th International Conference on Materials Processing and Characterization (ICMPC – 2022), Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Telangana, 22–24 April 2022.

ii. Seminars:

1. Two day National Seminar on Application of Soft Computing Tools in Mechanical Engineering at VRSEC, Vijayawada, A.P. 28 - 29 January 2008.
2. A Short Term Intensive Course on Effective Teaching Techniques at VNR VJIET, Hyderabad, A.P. 15 – 26 September 2003

iii. Workshops: (Offline)

1. A Two Day National Workshop on "Electric Mobility and its Ecosystem" during 17 - 18 February 2020, VNRVJIET, Hyderabad.
2. One week ATAL workshop on "3D Printing and Design", NIT Warangal, 16-20 December 2019.
3. A Two day Workshop on Technical Writing, VNRVJIET, Hyderabad, 25-29 March 2019.
4. Gian Program on Advances in Additive and Digital Manufacturing, Osmania University, Hyderabad, 25-29 March 2019.
5. Faculty Development Programme on "Computational Tools for Engineering Applications, VNRVJIET, Hyderabad, 25-29 June 2018.
6. Five Day Short Term Training Program on Engineering Drawing Through AUTOCAD, VNRVJIET, Hyderabad, 11-15 December 2017.
7. TEQIP Sponsored Workshop on Advanced Numerical Modeling Techniques for Mechanical Engineering, VNRVJIET, Hyderabad, 27 -31 March 2017.
8. Three Day National Workshop on Simulation and Analysis of Automotive Systems using Hyper Mesh (Hyper Works), VNR VJIET, Hyderabad, 04-06 October 2016.
9. One Week FDP on Materials and Design – An Engineering Challenge, Vardhaman College of Engineering, Hyderabad, 13 – 17 June 2016.
10. TEQIP Sponsored National Workshop on Additive Manufacturing: Shaping the Future (Trends, Opportunities, Challenges & Applications), VNRVJIET, Hyderabad, 3-5 May 2015.
11. TEQIP Sponsored National Workshop on Recent Trends and Research Opportunities in Manufacturing Processes, VNRVJIET, Hyderabad, 9-11 March 2016.
12. Three Day National Workshop on Finite Element Methods in Mechanical Engineering, VNRVJIET, 25 – 27 February 2016.
13. Two Day National Workshop on 3D printing Department of Mechanical Engineering, VNRJIET, Hyderabad, 19-20 March 2015.
14. Two Day TEQIP Sponsored National Workshop on Alternative Fuels and Power Train Systems, VNRVJIET, Hyderabad, 4 – 6 December 2014.
15. One Day Workshop on Advances in Welding and Surface Engineering [AWSE], Indian Institute of Welding, Hyderabad, 17 October 2014.
16. Three Day Workshop on Outcome Based Accreditation, JNTUH, Hyderabad, 15 - 17 February 2014.
17. Two Day National Workshop on Additive Manufacturing, VNRVJIET, Hyderabad, 16 - 17 December 2013.
18. A Five Day Short Term Course on Essential Techniques for Research Problems in Manufacturing and Measurements at National Institute of Technology, Warangal, 08 – 12 July 2013.
19. One Week on Short Term Training Programme on Engineering Drawing through AUTOCAD, VNRVJIET, Hyderabad, 13 - 18 August 2012.
20. Faculty Development Program on Machine Drawing Using AUTO CAD, VNR VJIET, Hyderabad, 11 – 30 April 2011.
21. One Week Short Term Course on Process Planning for Machining Jobs, VNR VJIET, Hyderabad, 27 June - 02 July 2011.
22. Faculty Development Program on Engineering Drawing, VNR VJIET, Hyderabad, 5 – 10 July 2010.

23. A Two Day Workshop on Intellectual Property Management & Technopreneurship, VNR VJIET, Hyderabad, 20 - 21 November 2009.
24. One Week STTP on Rapid Prototyping & e – Manufacturing, College of Engineering, Osmania University, Hyderabad, 23 -28 March, 2009.
25. Three Day National Workshop on Geometric Modeling using CATIA V5 R18 A Practical Approach, VNR VJIET, Hyderabad, 08 - 10 September 2008.
26. Three Day National Workshop on Finite Element Applications in Engineering at VNR VJIET, Hyderabad, 04 - 06 September 2008.
27. IInd AP State Level Convention of ISTE & Awards Function on Strategies for Excellence in Technical Education at SNIST, Hyderabad, 23 Febraury 2008.
28. A Short Term Training Program on Total Quality Management in Technical Education at VNR VJIET, Hyderabad, 17 - 26 June 2008.
29. Two Day National Workshop on Environmental Studies, VNR VJIET, Hyderabad, 7 – 8 December 2007.
30. Three Day National Workshop on Advances in Manufacturing, CBIT, Hyderabad, 15 -17 March, 2007.
31. A Short Term Intensive Course on Computational Fluid Dynamics, VNR VJIET, Hyderabad, 27 - 29 November 2006.
32. Three Day Orientation Programme on Micro Teaching, VNR VJIET, Hyderabad, December 2006.
33. Three Day National Workshop on Design Of Experiments, VNR VJIET, Hyderabad, 1 - 3 March 2006.
34. Two Day National Workshop on Finite Element Methods, VITS, Hyderabad, 03 - 04 December 2005
35. A Short Term Intensive Course on Robot Mechanics, VNR VJIET, Hyderabad, 27 April - 01 May 2004.
36. A Short Term Course on Teaching Methodology, VNR VJIET, Hyderabad, 15 – 17 April 2004.

Online From April 2020 to till date

1. AICTE Training and Learning (ATAL) Academy Program on Robotics, National Institute of Technical Teachers Training & Research, Chandigarh, 02 – 06 May 2020.
2. One week online Faculty Development Program on OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE, Government College of Engineering, Karad, under Margdarshan Scheme of AICTE, New Delhi, 11-15 May 2020.
3. A Three Day Workshop on Advances in Mechanical Engineering & Manufacturing Processes
   CMR Institute of Technology, Hyderabad, 11 – 13 May 2020.
4. A Two Day Workshop on Additive Manufacturing, S.A. Engineering College, Chennai, 15 -16 May 2020.
5. AICTE Training and Learning (ATAL) Academy Program on Augmented Reality (AR) / Virtual Reality (VR), Sardar Vallabhbhai National Institute of Technology, Surat, 18 - 22 May 2020.

6. One week online Faculty Development Program on Modelling and Optimization Techniques for Materials and Manufacturing Processes, Lakireddy Balireddy College of Engineering, Mylavaram
   18 – 22 May 2020.
7. Five Day Short Term Wenbinar cum Online Training Programme on Intelligent Robotics and Machine Vision Technology, Chennai, in Association with Indian Society of Technical Education
   Sri Sai Ram Institute of Technology, Chennai, 25 - 29 May 2020.
8. One week online Faculty Development Program on Machine Learning, J.B. Institute of Engineering and Technology, Hyderabad, 01-05 June 2020.
9. One week online Faculty Development Program on Product Design & Novelty, Dr Vithalrao Vikhe Patil College of Engineering Ahmednagar, Maharashtra and The Institution of Engineers (India) Ahmednagar local Centre, 6 – 10 June 2020.
10. Python 3.4.3, Vaagdevi College of Engineering, Warangal with Spoken Tutorial Project, IIT Bombay, 1-6 June 2020, (01 May 2020).
11. Webinar Series on Recent Revolutions in Mechanical Engineering, J.B. Institute of Engineering & Technology, Hyderabad, 02-06 June 2020.
12. AICTE Training and Learning (ATAL) Academy Program on Artificial Intelligent, National Institute of Technology , Jamshedpur, 8 – 12 June 2020.
13. Python 3.4.3, SVKM's Institute of Technology, with Spoken Tutorial Project, IIT Bombay, 09 – 15 June 2020 (28 April 2020).
14. One week online Faculty Development Program on Applications of Finite Element Analysis (FEA) and Computational Dynamics, Government College of Engineering, Karad, under Margdarshan Scheme of AICTE, New Delhi, 13-17 June 2020.
15. Five days online Faculty Development Program on Manufacturing, Machining and Testing of Composites, Sri Sai Ram Institute of Technology, Chennai, 15-19 June 2020.
16. A Two Day Workshop on Developing an E- Content, Vaagdevi College of Engineering, Warangal 18-19 June 2020.
17. One week online Faculty Development Program on Potential Research Areas In Mechanical Engineering, Vignan Institute of Engineering and Technology, Hyderabad, 15 – 20 June 2020.
18. National level one week online Faculty Development Program on Advancements in Manufacturing and Optimization Techniques, Jayamukhi Institute of Technological Sciences, Narsampet, Warangal, 22 – 26 June 2020.
19. One week online Faculty Development Program on Advances in Composite Materials and Manufacturing Process (ACMMP), St. Ann's College of Engineering and Technology, Chirala, Andhra Pradesh, 22 – 26 June 2020.
20. Six Days Webinar on Modern Materials and Industrial Automation, Sri Sai Ram Institute of Technology, Chennai, 20 – 25 June 2020.
21. One Week Faculty Development Program on Recent Trends in Mechanical Engineering
    Narasimha Reddy Engineering College, Hyderabad, 22 – 26 June 2020.

22. One week Online Faculty Development Programme on Technological Advancements In Mechanical Engineering" TAME – 2020, Balaji Institute of Technology & Science, Narsampet, Warangal, 29 June 2020 to 03 July 2020.
23. One week workshop on Effective online teaching using ICT Tools, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, 29 June 2020 to 03 July 2020.
24. Faculty Development Program Emerging on Research Areas in Mechanical Engineering, CMR Technical Campus, Hyderabad, 29 June 2020 to 03 July 2020
25. One week online Faculty Development Program on Recent Advances in Mechanical Engineering: A Research Perspective, Mahatma Gandhi Institute of Technology, Hyderabad, 6 – 10 July 2020.
26. Six Days online FDP on Nanomaterial Synthesis, Process, Characterization and Its Functional Applications, Hindustan College of Engineering and Technology, Coimbatore, 6 - 11 July 2020.
27. One Week Faculty Development Program (Online) on Recent Developments in Mechanical Engineering (RDME-2020), Kakatiya Institute Of Technology & Science Warangal, 7 – 11 July 2020.
28. AICTE Sponsored STTP (Virtual Mode) on Composite Materials: Micro to Nano-Fabrication, Characterization and Modelling Including Additive Manufacturing, Rajalakshmi Engineering College, Chennai, 13-18 July 2020.
29. AICTE Sponsored Online Short Term Training Programme (STTP) on Smart Manufacturing - Opportunities & Challenges, St.Joseph's College of Engineering Chennai, Tamilnadu, India
    13-18 July 2020.
30. Online One week FDP on Latest Advancement in Mechanical Engineering (LAME-2020), CMR College of Engineering & Technology, Hyderabad, 13 -17 July 2020.
31. One Week Workshop on Advances in Manufacturing Processes, Bharat Institute of Engineering & Technology, 13-17 July 2020.
32. AICTE approved and sponsored (under AQIS) STTP on Advances in Additive Manufacturing Siemens Centre of Excellence under NAFETIC, Dept of Mech. Engineering, Yeshwantrao Chavan College of Engg, Nagpur, 20 -25 July 2020.
33. One-week Faculty Development Program on Lost Foam Castings, Sree Chaitanya College of Engineering, Karimanagar ,TS, 20-25 July 2020.
34. One-week Faculty Development Programme on Recent Research Developments in Materials Engineering and Mechanical Design, Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, 21-25 July 2020.
35. AICTE Sponsored Online SHORT TERM TRAINING PROGRAMME (STTP) on Non-Traditional Algorithm: Efficacious for multi Objective Optimization, Park College of Engineering and Technology, Coimbatore, Tamil Nadu, 27-07-2020 to 01-08-2020.
36. One Week FDP on Optimization Techniques for Mechanical Engineers, Vignan Institute of Engineering and Technology, Hyderabad, 27-07-2020 to 01-08-2020.

37. One Week online FDP on Recent Trends in Manufacturing, Mahatma Gandhi Institute of Technology, Hyderabad, 28-07-2020 to 01-08-2020.
38. AICTE Sponsored One Week Online Short Term Training Programme (STTP), Recent Advances in Materials and Manufacturing: Part1" RAMM 2020:1, Gayatri Vidya Parishad College Of Engineering (Autonomous), Visakhapatnam, 03 – 08 August, 2020.
39. **A one week online Faculty Development Program** on **Advanced Optimization Techniques for Research Problem Solving**, Mahatma Gandhi Institute of Technology, Hyderabad, 04 – 08 August, 2020.
40. National Level Five Day Online Faculty Development Program (FDP) on Recent Trends in Mechanical & Industrial Engineering, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, 17 – 21 August, 2020.
41. One Week Faculty Development Program (online) under TEQIP- III on Interdisciplinary Aspects of Modelling of Manufacturing Processes, Department of Mechanical Engineering,Dr. B A T U, Lonere, Raigad, 21-23 & 27-29 November 2020.
42. AICTE Sponsored One Week Online Short Term Training Program (STTP) on Advanced Measurement Techniques, Vishwakarma Institute of Technology, Pune, 7 – 12 December 2020.
43. AICTE Sponsored One Week Online Short Term Training Program (STTP), SLOT – 4 on Recent

    Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges, Mahatma Gandhi Institute of Technology, Hyderabad, 07- 12 December 2020.
44. AICTE sponsored STTP, Advanced Techniques in Modelling and Analysis for Materials and Manufacturing process, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, 14 -19 December 2020.
45. One Week Online Short Term Training Program (STTP) on Use of Modern Tools and Computing Skills for Engineers and Researchers, Priyadarshini College of Engineering, Nagpur, 21-26 December 2020.
46. Two Week AICTE sponsored Online FDP on Frontier of 3D Printing, Technology and Its Industrial Applications, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna.25 January 2021 to 06 February 2021.
47. AICTE Training And Learning (ATAL) Academy Online FDP on 3D Printing & Design, Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology Hyderabad, 15-19 February 2021.
48. One Week Online Short Term Training Program (STTP) on Use of Modern Tools and Computing Skills for Engineers and Researchers, Priyadarshini College of Engineering, Nagpur, 22-27 February 2021
49. One week Short Term Training Programme (STTP)on Cloud based 3D Experience – CATIA, VNR VignanaJyothi Institute of Engineering & Technology, Hyderabad, 5– 9 April 2021

50. Two weeks Faculty Development Programme on Novel Prospective of Smart Materials, Hybrid Machining, and Additive Manufacturing, Inderprastha Engineering College, Lacknow, 26th July -10th August 2021.
51. AICTE One-week Online STTP on 3D Printing for Sustainable Development, Jawaharlal Nehru Technological University Hyderabad, 25 -30 October 2021
52. Five Day Online Faculty Development Program on Additive Manufacturing: Present and Future Trends, VNR VignanaJyothi Institute of Engineering & Technology Hyderabad, 01 – 06 November 2021
53. AICTE – ISTE approved Orientation/Refresher Program on Additive Manufacturing in Medical and Emerging Applications, Vasavi College of Engineering, Hyderabad, 27 January – 02 February 2022.
54. One Week International Online FDP on Trends & Challenges in the development of Electric & Hybrid Electric Vehicles (Series -2) Department of Mechanical Engineering, Lendi Institute of Engineering & Technology, Vizianagarm, A.P., November 14th - 18th, 2022.

Online Courses Attended:

1. Career Edge-Knockdown the Lockdown, TCS iON, Digital Learning Hub, 05 May 2020 – 11 June 2020.
2. Cousera course on Intelligent Manufacturing, 14 June – 19 July 2020.

Webinars Attended

1. Web based Training on Virtual Classroom, KPR Institute of Engineering and Technology, 02 May 2020.
2. Faculty Awareness Program on National Assessment and Accreditation Council, JSPM's Rajarshri Shahu College of Engineering, Pune, 06 May 2020.
3. A Webinar on 3D Printing Applications in Fighting with COVID 19, Sri Sai Ram Institute of Technology, Chennai, 09 May 2020.
4. A webinar on "The New Face of Higher Education after COVID – 19 ", Acharaya Nagarjuna University, 10 May 2020.
5. A Webinar on A Virtual Classroom Management using Microsoft Teams, Lakireddy Balireddy College of Engineering, Mylavaram, 11 May 2020.
6. A Webinar on Patent Filing and Prosecution, KPR Institute of Engineering and Technology,
   23 May 2020.
7. A Webinar on Advanced Manufacturing Processes, RVS College of Engineering, 28 May 2020.
8. A Webinar on Insights to Industry 4.0, S.A. Engineering College, Chennai, 29 May 2020.
9. Overview of Machine Learning, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, 04 June 2020.

10. Salient Features in Machine Component Design, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, 05 June 2020.
11. One Day Webinar on "Role of Additive Manufacturing (3D Printing), Engineering College, Banswara, 09 June 2020.
12. Metal Additive Manufacturing, Vivekananda Institute of Technology, Karimnagar, 12 June 2020.
13. Machine Learning Organized by IEEE Chapter, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, 04 July 2020.
14. Shape Memory Alloys: Applications & Research opportunities, Vignan Institute of Technology and Science, Hyderabad, 07 July 2020.
15. Composite for beginners, Vignan Institute of Technology and Science, Hyderabad, 09 July 2020
16. Sustainable Techniques in Metal Machining, Mahaveer Insitute of Science and Technology, 11 July 2020.
17. Sustainable manufacturing, Engineering College, Banswara, 11 July 2020.
18. Plastics Challenges : Processing and Recycling, Vignan Institute of Technology and Science, Hyderabad, 26 July 2020.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

01. Engineering Curves through AUTOCAD at Five Day Short Term Training Program on Engineering Drawing Through AUTOCAD, VNRVJIET, Hyderabad during 13 August 2012 to 18 August 2012.
02. Projections of points, straight lines and Planes through AUTOCAD at Five Day Short Term Training Program on Engineering Drawing Through AUTOCAD, VNRVJIET, Hyderabad, during 13 August 2012 to 18 August 2012.
03. Various Turning Operations and Practice at One Week Short Term Course on Process Planning for Machining Jobs at One Week Short Term Course on Process Planning for Machining Jobs, VNRVJIET, Hyderabad during 27 June 2011 to 02 July 2011.
04. Determination of Process Parameters and Tooling for Various Turning Operations, at One Week Short Term Course on Process Planning for Machining Jobs, VNRVJIET, Hyderabad during 27 June 2011 to 02 July 2011.
05. List and Sequence of Operations for turning; Jigs and fixtures, at One Week Short Term Course on Process Planning for Machining Jobs, VNRVJIET, Hyderabad, during 27 June 2011 to 02 July 2011.
06. Sustainable Manufacturing at TEQIP Sponsored 3 Day National Workshop on Recent Trends and Research Opportunities in Manufacturing Processes, VNRVJIET, Hyderabad, during 09 - 11 March 2016. (11 March 2016)
07. Creating cube, cuboid, cylinder, sphere and torus with and without hole using Creo Software Hands on at Faculty Development Program (FDP) (In association with E & ICT Academy, NIT Patna) on 3D Printing for Industrial & Biomedical Applications during 2 – 6 December 2019 (03 December 2020)

08. Training on STL file processing technique for creating cube, cuboid, cylinder, sphere and torus with and without hole in Cura Software at Faculty Development Program (FDP) (In association with E & ICT Academy, NIT Patna) on 3D Printing for Industrial & Biomedical Applications during 2 – 6 December 2019 (03 December 2020)
09. 3D Priniting at Two Week Faculty Development Program on 'Recent Advances in Mechanical Engineering, CMRCET, Hyderabad, Telangana during from 20 April - 2 May 2020 (21 April 2020).
10. 3D Printing and Design for Automobile Applications at Five Day Online Faculty Development Program (FDP) on Emerging Technologies in Automotive Industry, VNRVJIET, Hyderabad during 19-24 July 2021 (22 July 2021).
11. Overview on additive manufacturing processes at Five Day Online Faculty Development Program (FDP) on Additive Manufacturing: Present and Future Trends, VNRVJIET, Hyderabad during 01 – 06 November 2021 (01 November 2021).
12. Engineering Curves through AUTOCAD at One-Week Online Faculty Development Program (FDP) on Engineering Graphics Through AUTOCAD during 03 – 07 April 2023, VNRVJIET, Hyderabad. (04 April 2023)

5.2. Articles / Chapters published in Books:

1. B.V.R Ravi Kumar, K. Vijaya Krishna Varma and **M. Venkata Ramana**, "Experimental Investigation of Weld Defects In Friction Stir Welded Joints AA 6082 – T6 Aluminum Alloy By X - Ray Radiography", Advances in Lightweight Materials and Structures / First International Conference on Advanced Light-weight Materials and Structures (ICALMS-2020), CMR Technical Campus, Hyderabad, India, Springer Proceedings in Materials/ Kumar, A. Praveen, Dirgantara, Tatacipta, Krishna, P Vamsi, November, 2020 (March 6-7, 2020), Edition 1, Vol. 8, XVIII, ISBN 978-981-15-7826-7.
2. Kaveti Upender , B. V. R. Ravi Kumar, M. S. Srinivasa Rao, and **M. Venkata Ramana,** "Friction Stir Welding of IS:65032 Aluminum Alloy and Predicting Tensile Strength Using Ensemble Learning", Select Proceedings of First International Conference on Advances in Mechanical Engineering & Material Science (ICAMEMS-2022), VIT, Andhra Pradesh, 22-24 January-2022, **Springer Proceedings in Advances in Mechanical Engineering and Material Science, Lecture Notes in Mechanical Engineering,** ISBN: 978-981-19-0676-3-8, ISSN 2195-4356, https://doi.org/10.1007/978-981-19-0676-3-8, Editors: Ketul C. Popat, S. Kanagaraj, P. S. Rama Sreekanth, V. M. Ravindra Kumar, pp. 103- 114.

5.3. Books published as single author or as editor: NIL

5.4. Projects Guided :

a) UG : 26
b) PG : 14

5.5. Research Interests: Manufacturing - Machining Processes and Welding Processes; 3D Printing

5.6. Ph.D students :

a) Enrolled : NIL b) Submitted : NIL c) Awarded : NIL

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Performance Evaluation and Selection of Optimal Cutting Conditions in Turning of Ti-6Al-4V Alloy under Different Cooling Conditions	International Journal of Innovative Technology & Creative Engg, Vol.1 No.5 May 2011, pp. 10-21.	2045-8711	0.499	International
2	Experimental Investigations, Optimization of Process Parameters and Mathematical Modeling in Turning of Titanium Alloy Under Different Lubricant Conditions, pp. 086-101.	IOSR Journal of Engineering (IOSRJEN), Vol. 2 , Issue 1, January 2012.	2250-3021	1.753	International
3	Experimental Investigations and Selection of Optimal Cutting Conditions in Turning of Ti-6Al-4V Alloy with Different Cutting Fluids By Minimum Quantity Lubrication (MQL) Methodology	i-Manager's Journal On Mechanical Engineering, Vol. 2, No. 1, November 2011 - January 2012, pp. 44-51.	2230-9055	0.542	National
4	Chip Morphology in Turning of Ti-6Al-4V Alloy Under Different Machining Conditions	Journal of Production Engineering, Vol. 17, No. 1, 2014, pp.27-32.	1821-4932	-	International
5	Optimization of Process Parameters using Taguchi and Simulated Annealing Methods for Surface Roughness in Turning of Ti-6Al-4V alloy	i-Manager's Journal on Mechanical Engg, Vol. 4, No. 4, 2014, pp.29-37.	2230-9055	Yes 0.542	National
6	Optimization and Effect of Process parameters on Tool wear in Turning	International Journal of Materials,	ISSN No: 1793-8198	-	International

	Titanium Alloy under Different Machining Conditions, pp. 272 - 277	Mechanics and Manufacturing, Vol. 2, No.2, 2014.			
7	Optimization and Investigation into the Effect of Cutting Conditions on Surface Roughness in Turning of Ti-6Al-4V Alloy under Different Machining Environments	Journal of Manufacturing Science and Production, Vol.15, No.2, 2015, pp. 197 - 204.	2191-4184	-	International
8	Performance Evaluation of Different Tools in Turning of Ti-6Al-4V Alloy Under Different Coolant Condition	International Journal of Science and Research (IJSR), Vol. 3, No. II, 2015, pp. 122 -126	ISSN No: 2319-7064,	4.438	International
9	Parametric Investigation of Laser Cutting and Plasma Cutting of Mild Steel E350 Material - A Comparative Study	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) Volume 12, Issue 5 Ver. II (Sep. - Oct. 2015, pp. 01-09	e-ISSN: 2278-1684,p-ISSN: 2320-334X	1.753	International
10	Experimental Investigations on TIG Welding of Aluminium 6351 Alloy	Journal of Manufacturing Engineering, Vol. 11, Issue. 4, December 2016, pp 221-228.	ISSN No: 0973 - 6867	-	National
11	Experimental investigations on tool wear in turning of Ti-6Al-4V alloy under different machining environmental conditions	International Journal of Manufacturing Research, 2016 Vol.11 No.4, pp. 339-355	ISSN online: 1750-0605	-	International
12	3D Printing of Camshafts	i-manager's Journal on Mechanical Engineering, Vol. 7 l No. 1 l	ISSN No: 2230-9055	0.542	National

		November 2016 - February 2017			
13	Optimization of Process Parameters in Welding of Dissimilar Steels Using Robot TIG welding	International Journal of Emerging Technology and Advanced Engineering, Vol. 7, Issue 8, 2017, pp.273-278.	ISSN 2250–2459	4.027	International
14	Performance Evaluation of Eco-Friendly Cutting Fluids in Turning of Ti-6Al-4V	International Journal of Emerging Technology and Advanced Engineering, ISSN 2250–2459, Vol. 7, Issue 9, 2017, pp.605-610	ISSN 2250–2459	4.027	International
15	Influence of process parameters on tool wear in turning of Ti-6Al-4V alloy	International Journal for Research in Engineering Application & Management, Vol-04, Issue-02, May 2018, pp. 221-224.	ISSN : 2454-9150	5.686	International
16	Influence of Mx-Trivex, A-Skew, Three Flat Threaded and Concave Shouldered Mx-Triflute Tool Pin Profiles on Tensile Properties and Fractural Behaviour of AA 6082-T6 Weldments during Friction Stir Welding	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9 Issue-4, February, 2020, pp. 1376-1384.	ISSN: 2278-3075	5.54	International
17	Experimental Examination of Weld Hardness Profile with Various Tool Pin	International Journal of Recent Technology	ISSN: 2277-3878	--	International

	Probes using Friction Stir Welding of AA 6082-T6 Aluminium Alloy	and Engineering (IJRTE), Volume-8 Issue-6, pp. pp. 3514-3518.			
18	Effect of Skewness during Friction Stir Welding of Dissimilar Aluminium Alloys EN AA 5083-H116 and EN AA 6082-T6 Including Fracture Observations	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9 Issue-6, pp. 1896 – 1900.	ISSN: 2278-3075	--	International
19	Optimization of surface roughness and tool wear in sustainable dry turning of Iron based Nickel A286 alloy using Taguchi's method	Cleaner Engineering and Technology, Volume 2, June 2021, 100034	ISSN: 2666-7908	--	International
20	Influence of material removal rate on power consumption in turning of Iron Based Nickel Super Alloy	Journal of Innovation in Mechanical Engineering, Volume 3, Issue 2, June – December 2021, pp. 1-5.	ISSN: 2581-7019	--	International
21	Optimization and impact of process parameters on tool-chip interaction while turning of A286 Iron based Nickel super alloy	International Journal of Machining and Machinability of Materials, Volume 24, Issue Nos. 1/2, 2022, pp. 48-67.	ISSN: 1748-5711	--	International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Name of the Conference/ Seminar	National/ International	Period

1	Experimental Investigations and Optimization of Process Parameters in Turning of 6351 Aluminium Alloy with Dry, Flooded And Minimum Quantity Lubrication (MQL) Conditions on Cutting Forces and Chip Morphology, pp. 375 -382.	International Conference on "i COST 2011 - First International Conference on Sunrise Technologies", SSVPS BS Deore College of Engineering and Polytechnic, Dhule, Maharashtra	Internatio nal	13-15 January 2011
2	Optimization of Process Parameters and Experimental Investigations for Material Removal Rate in Turning of Titanium Alloy Under Different Coolant Conditions. pp. 120-132	Proceedings of International Conference on Futuristic Trends in Materials and Energy Systems, V R Siddhartha Engineering College, Vijayawada, A.P., India	Internatio nal	29-30 December 2011
3	Optimization and effect of process parameters on tool wear in turning of titanium alloy under different lubricant conditions, pp. 154-167.	Proceeding of First International Conference on Materials Processing and Characterization" (ICMPC'2012), Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Andhra Pradesh, INDIA.	Internatio nal	08-10 March 2011
4	Effect of Process Parameters on Surface Roughness in Turning of Titanium Alloy under Different Conditions of Lubrication, pp. 83-91	Proceedings of the 1st International Conference on Recent Advances in Robotics, Aeronautical and Mechanical Engineering, Vouliagmeni, Athens, Greece.	Internatio nal	May 14-16, 2013

5	Effect of Process Parameters on Surface Roughness in Turning of Titanium Alloy under Different Conditions of Lubrication, pp. 137-145.	Proceedings of the 4th European International Conference on Recent advances in Mechanical International Engineering Applications (ECME'13), Paris, France.	International	October, 2013
6	Optimization and Effect of Process parameters on Tool wear in Turning Titanium Alloy under Different Machining Conditions, pp.87-93.	Proceedings of the 1st International Congress on Computers, Electronics and Communication Engineering, Chennai, India.	International	17-18 March 2014.
7	Selection of Optimum Process Parameters for Improving Material Removal Rate in Turning of Titanium Alloy under Different Machining Environments, pp. 225 – 230.	Proceeding of International Conference on Emerging Technologies in Mechanical Sciences (ICEMS-2014), Malla Reddy College of Engineering and Technology, Hyderabad, T.S, India.	International	26-27, December 2014
8	Design and Analysis of A Chassis Frame for Formula Student Car**,** pp. 503 - 512.	Proceeding of International Conference on Emerging Trends in Science and Technology (ICETSTEM - 2015), Malla Reddy College of Engineering and Technology, Hyderabad, T.S, India.	International	09 -10, October 2015
9	Optimization and influence of process parameters on surface roughness in	Proceeding of 5th International	International	12-13 March

	turning of Titanium alloy.	Conference on Materials Processing and Characterization" (ICMPC'2016), Gokaraju Rangaraju Inst. of Engg and Tech. Hyderabad, Telangana, India.		2016
10	Optimization and Influence of Process Parameters on Surface Roughness in Turning of Titanium Alloy under Different Lubricant Conditions	Proceeding of International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM – 2016), MLRIT, Hyderabad, T.S., India	Internatio nal	07 – 09 July 2016
11	Optimization of Power Consumption in Turning of AISI 321 Austenitic Stainless Steel using Taguchi's Technique 2016.	Proceedings of Conference on Advances in Materials and Manufacturing (ICAMM – 2016), Osmania University and Defence Research & Development (DRDL), DRDO, Laboratory Hyd, T.S., India.	Internatio nal	8-10 December 2016
12	Optimization of Material Removal Rate in Turning Of AISI 321 Stainless Steel using Taguchi Methodology	Proceeding of International Conference on Materials Processing and Characterization (ICMPC – 2017), Gokaraju Rangaraju Inst. of Engg and Tech. Hyderabad,	Internatio nal	17-19 March 2017
13	Experimental Investigations Of Process Parameters Influence On Surface	Proceeding of Conference	Internatio nal	17-19 March

	Roughness In Turning Of En-353 Alloy Steel Under Different Machining Environments	Materials onProcessing and Characterization (ICMPC – 2017), Gokaraju Rangaraju Inst. of Engg and Tech. Hyderabad, Telangana, India.		2017
14	Optimization of process parameters in welding of dissimilar steels using robot tig welding	Proceedings of International Conference On Recent Advances in Materials, Mechanical and Civil Engineering (ICRAMMCE 2017), Marri Laxman Reddy Institute of Technology and Management, Hyderabad,	Internatio nal	1-2 June 2017
15	Comparison among Dry, Flooded and MQL Conditions in Machining of EN 353 Steel Alloys-An Experimental Investigation	Proceeding of International Conference on Advances in Materials and Manufacturing Applications, Amrita School of Engineering, Bengaluru Campus.	Internatio nal	17-19 August 2017
16	Multi objective Optimization of Process Parameters in Turning of Ti-6Al-4V	Materials Today: Proceeding of 8th International Conference on Materials Processing and Characterization (ICMPC – 2018), Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	Internatio nal	16-18 March 2018

17	Selection of optimal controllable factors for surface roughness in turning of titanium alloy using eco friendly cutting fluids, pp. 1-7	International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM – 2018), MLRIT, Hyderabad, T.S.	Internatio nal	13-14 July 2018
18	Optimization and Influence of Process Parameters of Dissimilar SS304l – SS430 Joints Produced by Robotic TIG Welding	International Conference on Recent Advances in Material, Manufacturing & Energy Systems (ICRAMMES), VRSEC, Vijayawada, A.P.	Internatio nal	3-4 January, 2019
19	Effect of friction stir welding parameters on tool geometry and metallurgical properties of AA 6082-T6 weldments at different weld zones	International Conference on Advances in Materials Research 2019, Bannari Amman Institute of Technology, Mechanical Engineering Conference, Erode, Tamil Nadu	Internatio nal	6-7 December 2019
20	Experimental Investigation Of Weld Defects In Friction Stir Welded Joints AA 6082 – T6 Aluminum Alloy By X-Ray Radiography	International Conference on Advanced Light-weight Materials and Structures (ICALMS-2K20), CMR Technical Campus, Hyderabad	Internatio nal	6-7 March, 2020.
21	Prediction of Optimum Process Parameters in Turning of Ti6Al4V Alloy under Various Cooling Strategies using Soft Computing Tool	International Conference on Advancements in Aeromechanical Materials for Manufacturing" (ICAAMM-2020), MLRIT, Hyderabad, T.S.	Internatio nal	24-25 July 2020

22	Effect of Machining Conditions on Shear Angle in Turning of A286 Iron Based Nickel Super Alloy",	11th International Conference on Materials Processing and Characterization (ICMPC – 2020), Indian Institute of Technology, Indore, Materials Today Proceedings (Elsevier), 2021.	Internatio nal	15-17 December 2020
23	Influence of material removal rate on power consumption in turning of Iron Based Nickel Super Alloy	International Conference on Innovations in Mechanical Engineering (ICIME-2021), Gurunanak Institutions, Hyderabad,	Internatio nal	26-27 February 2021
24	Investigation on Joint Properties of AA5083 Aluminium Alloy Welded using A-TIG Process	13th International Conference on Materials Processing and Characterization (ICMPC – 2022), Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India,	Internatio nal	22-24 April 2022
25	Applications of Machine Learning in Friction Stir Welding : A Review	International Conference on Sustainable Materials , Manufacturing and Industrial Engineering (ICSMMIE 2022), Siddaganga Institute of Technology, Tumakuru, Karnataka , India	Internatio nal	1-2 July 2022

26	Visual inspection on Friction Stir Welded Dissimilar Aluminum alloy AA6082-AA5083 using Conventional and Hybrid tool pin	2 nd International Conference & Exposition Mechanical, Materials and Manufacturing Technology (ICE3MT-2022), CVR College of Engineering , Hyderabad, Telangana, India	Internatio nal	28 – 29 October 2022
27	Machine Learning based tensile strength prediction and analysis on Friction Stir Welded dissimilar joints (AA6082-AA5083) using Conventional and Hybrid tool pin profiles	1st International Conference on Advanced Materials, Manufacturing and Industrial Engineering - AMMIE 2023, School of Mechanical Engineering, Vellore Institute of Technology, Chennai, Tamil Nadu, India.	Internatio nal	23 – 24 March 2023
28	Dry machining of alloy steels – A Review	14 th International Conference on Materials Processing and Characterization (ICMPC – 2023), Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India	Internatio nal	24-26 March 2023
29	Optimization of surface roughness in turning of AISI 321 Austenitic Stainless Steel using Taguchi's Technique, pp. 94-99.	Proceedings of the 6th National conference on Advances in Mechanical Engineering, Vasavi College of	National	06 - 07 October 2016

		Engg, Hyderabad, T.S., India.		
30	Application of Eco friendly cutting fluids in Machining Process – A Review, pp. 95 -100.	1st National Conference on Recent Innovations in Mechanical Engineering (RIME 2014),	National	21st March 2014
31	Performance Evaluation of Different Tools in Turning of Ti-6Al-4V Alloy Under Different Coolant Condition, pp. 122 – 126.	UGC Sponsored National Conference on Advanced Technology Oriented Materials (ATOM-2014).	National	8 - 9 December 2014
32	Performance Evaluation and Selection Optimal Cutting Conditions in Turning of AISI 4340 Steel with Coated and Uncoated Tools, pp. 74 – 80.	National Conference on Recent Advances in Manufacturing Engineering & Technology.	National	10-11 January 2011
33	Optimization of Process Parameters and Experimental Investigations in Turning of 6351 Aluminium Alloy With Dry, Flooded and Minimum Quantity Lubrication (MQL) Conditions on Cutting Temperature and Chip Morphology, pp. 89-96.	National Conference on Recent Advances in Manufacturing Engineering & Technology.	National	10-11 January 2011
34	Machinability of Titanium Alloys - A Review, pp. 60-68.	National Conference on Recent Advances in Manufacturing Engineering & Technology.	National	10-11 January 2011
35	Performance Evaluation and Selection of Optimal Cutting Conditions in Turning of EN8 Steel using Vegetable Oils Combined with Solid Lubricant as Cutting Fluids, pp. 72-75.	National Conference on Advances in Mechanical Engineering [AIM-2010].	National	18-19 November 2010
36	Machinability of Titanium alloys - a Review, pp. 10-23.	National Conference on State of the Art of Technologies in Mechanical Engineering.	National	20–21 August 2009

37	An Effect of Minimum Quantity Lubrication in Machining – A Review.	National Conference on Sustainability and Social Comfort-Strategizing Design and Manufacturing.	National	19 – 20 January 2009
38	Optimization of Process Parameters in Turning Process Using Taguchi Design of Experiments.	National Conference on Sustainability and Social Comfort-Strategizing Design and Manufacturing.	National	19 – 20 January 2009
39	Computer Aided Programming and Simulation of Gas Turbine on 5-Axis Machine.	National Conference on Sustainability and Social Comfort-Strategizing Design and Manufacturing.	National	19 – 20 January 2009
40	Implementation of Radio Frequency Identification Tags for Bin/Component Identification on an ASRS System.	National Conference on Advances in Manufacturing & Industrial Engineering.	National	12-14 July 2007
41	Evaluation of Fracture Toughness of Thermally Sprayed Coatings.	National Conference on Emerging Trends in Mechanical Engineering.	National	23-24 January 2004

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Evaluation of machinability characteristics of Ti-6Al-4V Titanium Alloy with conventional and eco-friendly cutting fluids	AR & DB, New Delhi	2 years	9.314 Lakhs	Completed
2	Affect of flank wear on surface roughness in turning of Nickel A286 alloy	CRS-TEQIP – III, JNTUH, Hyderabad	1.5 year	Rs.3.0 Lakhs	Completed

3	Development of sustainable machining technology using advanced coated tools for manufacturing of Ti6Al4V alloy / Iron based Nickel A286 alloy components	TEQIP – III, JNTUH, Hyderabad	1 Year	Rs. 8.235 Lakhs	Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
NIL					

6. **Awards / Honors received:**

7. **Motto:** Learn from the past, plan for the future by focusing on today