


## FACULTY PROFILE

Name of the Faculty:		<b>Sameer Kumar Devarakonda</b>		
Designation:		<b>Associate Professor</b>		
Department:		<b>Mechanical Engineering</b>		
Date of Birth:		<b>15-08-1984</b>		
AICTE – ID:	<b>1-7371792778</b>			
<b>Education</b>	<ul style="list-style-type: none"> <li>• B.Tech in Mechanical Engineering from Acharya Nagarjuna University in 2005.</li> <li>• M.Tech in CAD/CAM Specialization from Acharya Nagarjuna University in 2007.</li> <li>• PhD in Mechanical Engineering from Andhra University in 2019.</li> </ul>			
<b>Experience</b>	Teaching: 17 Years	Industry: 0 Years	<b>Total: 17 Years</b>	
	Research: 0 Years	Others: 0 Years		
<b>Research Specialization</b>		Surface Coatings, Design and Analysis of Composite Materials, Manufacturing Methods and Optimization		
<b>Courses taught</b>	<ol style="list-style-type: none"> <li>1. Engineering Drawing</li> <li>2. CAD/CAM</li> <li>3. Finite Element Analysis</li> <li>4. Engineering Metallurgy and other subjects as well</li> </ol>			
<b>Research contributions</b>				
<b>International/national peer reviewed journals</b>				
<b>International Journals:</b>				
<b>2022-23</b>				
1. Yellapragada, N.V.S.R., Madala, V.S.K., <b>Devarakonda, S.K.</b> , Shaik, R.S.M.A., Annamdasu, N.R., Dasari, K.R., Mohammad, H.S. (2023). Application of Taguchi – PCA/GRA method to optimize the wear behaviour of polyester/carbon fibre composites. <i>Revue des Composites et des Matériaux Avancés-Journal of Composite and Advanced Materials</i> , Vol. 33, No. 2, pp. 65-73. <a href="https://doi.org/10.18280/rcma.330201">https://doi.org/10.18280/rcma.330201</a> <b>ESCI &amp; SCOPUS indexed</b>				
2. Dhulipalla SWAPNA , Chalamalasetti SRINIVASA RAO, <b>Devarakonda SAMEER KUMAR</b> , Sajja RADHIKA, “ Taguchi based GRA-PCA hybrid optimization for the forming of AL6061 alloy in automotive applications” , <i>Sigma Journal of Engineering and Natural Sciences</i> , Vol. 40, No. 4, pp. 742-754, December, 2022. 10.14744/sigma.2022.00090 <b>ESCI &amp; SCOPUS indexed</b>				
3. P.Ravi KUMAR, T. NANCHARAI AH, <b>D. Sameer KUMAR</b> , Sd. Abdul KALAM, G. BALAKRISHNA, “ <i>Flapwise vibration of functionally graded rotating tapered beam with tipmass</i> ” , <i>Sigma Journal of Engineering and Natural Sciences</i> , Vol. 40, No. 3, pp. 640–648, September, 2022. 10.14744/sigma.2022.00068 <b>ESCI &amp; SCOPUS indexed</b>				
4. M. Ashok Babu,, M. Yuvaraju, K. Ajay Babu, G. Rama Krishna , <b>D. Sameer Kumar</b> , V. V. Kondaiah , “ <i>Micro Structural and Hardness Study of Al 6065 and CaSiO3 Composite with Stir Casting Route</i> ” , <i>Advances in Science and Technology</i> , Vol. 120, pp 75-79 , 2022. <a href="https://doi.org/10.4028/p-1n17p0">https://doi.org/10.4028/p-1n17p0</a>				

5. T. Naveen Kumar, S. Vinod Kumar, V. Dola Siva Krishna, Sk. Mohammad Irfan, **Sameer Kumar.D**, "Particulate Based AZ91 Magnesium Hybrid Composites – A Short Review , Advances in Science and Technology , Vol. 120, pp 51-59 , 2022. <https://doi.org/10.4028/p-wj2bhq>
- 2021-2022**
6. Yellapragada, N.V.S., **Devarakonda, S.K.**, Dasari, K.R., Thati, N.S.R.K., Alapati, J.S.A.V.V.P. (2022). "Effectiveness of Shannon entropy weight method on wear behaviour of polyester/carbon fibre composites using GRA". Annales de Chimie - Science des Matériaux, Vol. 46, No. 1, pp. 9-17. <https://doi.org/10.18280/acsm.460102> **ESCI & SCOPUS indexed**
7. Amit Kumar Nandi, Palash Poddar, Randhir Kumar, Sameer Kumar Devarakonda , "A Real-Time Autonomous Face-Tracking System Based On A 2-Dof Articulated Manipulator Platform Using Extended Kalman Filter" , Acta Mechanica Malaysia (AMM) , Vol 4 , Issue 2 , 2021, pp: 40-43. <http://doi.org/10.26480/amm.02.2021.40.43>
8. **Sameer Kumar Devarakonda**, Naga Sai Suman K, Kalyana Krishna Y , " Preparation and characterization of electroless Ni coated nano alumina powder under different sensitization - activation conditions" , Metallurgical and Materials Engineering , Association of Metallurgical Engineers of Serbia AMES , Vol 27, No 3 , pp: 275-287, 2021. <https://doi.org/10.30544/467>. **ESCI & SCOPUS indexed.**
- 2020-2021**
9. Yellapragada, N.V.S.R., Cherukuri, T.S., Jayaraman, P., **Devarakonda, S.K.** , "Estimation of lattice strain in lanthanum hexa aluminate nanoparticles using X-ray peak profile analysis." Revue des Composites et des Matériaux Avancés-Journal of Composite and Advanced Materials, Vol. 31, No. 1, pp. 13-19. 2021. <https://doi.org/10.18280/rcma.310102> **ESCI & SCOPUS indexed.**
10. Anil K. Matta, Naga S. S. Koka, **Sameer K. Devarakonda** , "Recent studies on particulate reinforced AZ91 magnesium composites fabricated by Stir casting – A review" , Journal of Mechanical and Energy Engineering, Vol. 4(44), No. 2, 2020, pp. 115-126. <https://doi.org/10.30464/jmee.2020.4.2.115>
11. T. Nancharaiah, P. Ravi Kumar & **D. Sameer Kumar** , " Influence of Canola Oil on the Emission and Performance Characteristics of Four Stroke Diesel Engine as a Bio Fuel" , International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) , Vol. 10, Issue 3, Jun 2020, 7127–7134. DOI : <https://doi.org/10.24247/ijmperdjun2020673>
12. **D. Sameer Kumar**, K. N. S. Suman & Palash Poddar , "A study on the impact and fatigue failure of AZ91E – Ni coated alumina composites", Canadian Metallurgical Quarterly, Vol 59 , Issue 3 , pp:316-323, 2020. <https://doi.org/10.1080/00084433.2020.1741913> **A Taylor & Francis Publication; SCI & SCOPUS indexed – 2019 Impact Factor : 1.456 .**
- 2019-2020**
13. **Sameer Kumar D**, K N S Suman, Palash Poddar, and Sasanka C Tara. "Performance Evaluation of Surface Modified Nano Al<sub>2</sub>O<sub>3</sub> (P) Reinforced AZ91E Composites Under Impact and Fatigue Loading Conditions", Strojnicky časopis - Journal of Mechanical Engineering 70, 1: 29-38, doi: <https://doi.org/10.2478/scjme-2020-0003> **A Sciendo Publication (De Gruyter company) – SCOPUS Indexed .**
14. Dr. P. Ravi Kumar, Dr. T. Nancharaiah, **Dr. D. Sameer Kumar**, "Effect of Tipmass on Frequency of Functionally Graded Rotating Beam", JOURNAL OF XI'AN UNIVERSITY OF ARCHITECTURE & TECHNOLOGY, Vol. 12 , Issue 4 , pp: 5663-5668 , 2020. <https://doi.org/10.37896/JXAT12.04/1301>
15. Purushottam Karthik Janaswamy , J. Rangaraya Chowdary , C.Tara Sasanka , **Sameer Kumar Devarakonda** , "Life Prediction of Spur Gear Under Fully Reversed Loading Using Total Life Approach and Crack-Initiation Method in FEM" , Aksaray J. Sci. Eng.. 2019; 3(2): 82-98. <https://doi.org/10.29002/asujse.498344>
16. C. Tarasasanka , K. Snehlita, K. Ravindra, **D. Sameer Kumar** , "Optimization of dry sliding wear properties of AZ91E/ nano Al<sub>2</sub>O<sub>3</sub> reinforced metal matrix composite with grey relational analysis" , International Journal of Engineering, Science and Technology [ MultiCraft ] , Vol. 11, No. 4, 2019, pp. 41-48. <http://dx.doi.org/10.4314/ijest.v11i4.4>

#### 2018-2019

17. D. Swapna, Ch. Srinivasa Rao, **D. Sameer Kumar**, S. Radhika, "AHP and TOPSIS based selection of Aluminium Alloy for Automobile Panels", Journal of Mechanical and Energy Engineering, Vol. 3 (43), No.1, 2019, pp. 43-50, DOI: <https://doi.org/10.30464/jmee.2019.3.1.43>
18. D. Kondala Rao, Srinivas Kolla, C. Tara Sasanka, **D. Sameer Kumar**, "Study of Combined Effect of Inclination and Partial Fins on Melting of Phase Change Material in A Rectangular Enclosure Using CFD", Journal of Modelling and Simulation of Materials (JMSM), Volume 1, Issue 1, pp. 30-38, 2018 DOI: <https://doi.org/10.21467/jmsm.1.1.30-38>
19. **Sameer Kumar Devarakonda**, Naga Sai Suman Koka, "Estimation of High Cycle Fatigue Life of AZ91E-Ni Coated  $Al_2O_3$  Particulate Nano Composites Using Reliability Based Approach", Journal of The Institution of Engineers (India): Series D, volume 99, issue 2 pp: 201-208, October 2018, Springer INDIA <https://doi.org/10.1007/s40033-018-0164-5> Springer Publication; Scopus Indexed.

#### 2016-2017

20. **Sameer Kumar D**, K.N.S. Suman and Palash Poddar, "Effect of particle morphology of Ni on the mechanical behavior of AZ91E-Ni coated nano  $Al_2O_3$  composites", Material Research Express, 4 066505, <https://doi.org/10.1088/2053-1591/aa6fe4> An IOP Science Publication, Scopus & SCIE indexed – 2019 Impact Factor : 1.929 .
21. **Sameer Kumar D.**, et al., "Microstructure, mechanical response and fractography of AZ91E/ $Al_2O_3$  (p) nano composite fabricated by semi solid stir casting method", Journal of Magnesium and Alloys [ELSEVIER], Volume 5, Issue 1, March 2017, Pages 48–55. <https://dx.doi.org/10.1016/j.jma.2016.11.006> An Elsevier Publication; Scopus & SCIE indexed – 2022 Impact Factor: 17.1
22. **D.Sameer Kumar**, K.N.S. Suman, P. Rohini Kumar, "A Study on Electroless Deposition of Nickel on Nano Alumina Powder Under Different Sensitization Conditions", International Journal of Advanced Science and Technology(IJAST), Vol.97 (2016), pp.59-68. <http://dx.doi.org/10.14257/ijast.2016.97.06> SERSC Korea Publication, Scopus indexed.

#### 2014-2015

23. B. Purna Chandra Sekhar, S. Radhika, **D. Sameer Kumar**, "Powder Mixed Dielectric in EDM – An overview", International Journal of Research, Volume 02 Issue 02, February 2015, pp : 720-726.
24. **D.Sameer Kumar**, C. Tara Sasanka, K. Ravindra, KNS Suman, "Magnesium and Its Alloys in Automotive Applications – A Review", American Journal of Materials Science and Technology, (2015), Vol.4,No.1, pp. 12 – 30. <http://dx.doi.org/10.7726/ajmst.2015.1002>
25. **D.Sameer Kumar**, K.N.S. Suman, "Selection of Magnesium Alloy by MADM Methods for Automobile Wheels", International Journal of Engineering and Manufacturing, 2014, 2, 31-41, August 2014. <http://dx.doi.org/10.5815/ijem.2014.02.03>

#### Earlier to 2014

26. **D.Sameer Kumar**, S. Radhika, K.N.S. Suman, "MADM Methods for Finding The Right Personnel in Academic Institutions", International Journal of u- and e- Service, Science and Technology Vol.6, No.5 (2013), pp.133-144 <http://dx.doi.org/10.14257/ijunesst.2013.6.5.12>
27. S.Radhika, **D.Sameer Kumar**, D.Swapna, "VIKOR Method for multi criteria decision making in academic staff selection", Journal of Production Research and Management (JoPRM), Volume 3, Issue 2, ISSN: 2249 – 4766 JoPRM (2013) 30-35.
28. C.Srinivas, Naveen Ravela, V.C.Das, **D.Sameer Kumar**, "Study of the effect of processing time of buffer size in a Flexible manufacturing System", International Journal of Advanced Manufacturing Systems(IJAMS), Vol 4, No 1, Jan – Jun 2013, pp 53-59.
29. **D. Sameer Kumar**, S. Radhika, K.Ravindra, K.N.S. Suman, "Improved Design Optimization of a Composite

*Leaf Spring using Swarm Intelligence*", International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 6, Number 2 (2011) pp. 193–200. **Scopus indexed**

#### National Journals:

1. **D. Sameer Kumar** , B. Ramgopal Reddy , K. Ravindra, V. Chittaranjan Das, *"Influence of process parameters on AWJC of INCONEL690 using GA"*, ANU Journal of Engineering & Technology, ISSN 0976-3414, Volume 2, Issue 1 , June 2010 pp. 81-85.
2. **D. Sameer Kumar** , M. Siva Nayak , D.V.V. Krishna Prasad ,K.Ravindra, *"Optimization of cutting parameters in turning using ACO"*, ANU Journal of Engineering & Technology, ISSN 0976-3414, Volume 2, Issue 2 , Dec 2010 pp. 8-13.

### Book chapters Published

#### Invited Book Chapters:

- **D. Sameer Kumar** , C. Tara Sasanka Contributed a **Book chapter** (Chapter 10) on **"Magnesium and its All for Automotive"** in **"Lightweight and Sustainable Materials for Automotive Applications"** Published by **CRC Press (Taylor & Francis Group)**, USA. Pp: 275-304 ISBN 9781498756877 - CAT# K27551 **SCOPUS indexed**.
  - Edited by Omar Faruk, Jimi Tjong, Ford Motor Company, Canada and Mohini Sain from University of Toronto.
- **Devarakonda Sameer Kumar** and Koka N.S. Suman Contributed a **Book chapter** (Chapter 11) on **"Wheel for automotive industry—A case study toward the development of magnesium-based composite wheels"** in **"BIOCOMPOSITE AND SYNTHETIC COMPOSITES FOR AUTOMOTIVE APPLICATIONS"** Published by **Woodhead Publishing (An Imprint of Elsevier)**, UK. Pp: 329–368 ISBN 978-0-12-820923-3 (Online) ; 978-0-12-820559-4 (print) . <https://doi.org/10.1016/B978-0-12-820559-4.00011-0> **SCOPUS indexed**.
  - Edited by S.M. SAPUAN and R.A. ILYAS , Universiti Putra Malaysia , Malaysia.

#### Details of Patents (Filed & Granted)

- K. Sobha , S Radhika , D Pradeep , K. Sai Vivek , K. Surendranadh , K Kartheeka Pavan , J V Satyanarayan , **Sameer Kumar Devarakonda** , Tata Nancharaiyah , D Swapna invented *"Method For Microfabrication Of 1D Dimensional Photonic Crystal Layered Point Of Care Device For Detection Of Bio Markers Of Renal Dysfunction"*. It was **published** with publication No : 202141054651A in The Patent Office Journal 50/2021 dated 10/12/2021. pp:60039.

#### Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

- Organised a Three day National Level Workshop on *"Outcome Based Education and Examination Reforms"* Internal Quality Assurance Cell , Bapatla Engineering College, Bapatla during 3<sup>rd</sup> – 5<sup>th</sup> August 2022 with nearly 413 Participants as a **Co -Convener** in online mode.
- Organised an International conference on *"Mechanical Engineering and Emerging Technologies (ICMEE 2022)"* by Department of Mechanical Engineering , Bapatla Engineering College, Bapatla during 22<sup>nd</sup> – 24<sup>th</sup> April 2022 as a **Coordinator** in online mode.
- Organised an Two day National Level Seminar on *"Quality Improvement via Accreditation and Ranking"* Internal Quality Assurance Cell , Bapatla Engineering College, Bapatla during 28<sup>th</sup> – 29<sup>th</sup> June 2021 with nearly 400 Participants as a **Co -Convener** in online mode.
- Organised an International conference on *"Materials , Mechanical and Energy Engineering (ICMMEE)"*

Department of Mechanical Engineering , Bapatla Engineering College, Bapatla during 7<sup>th</sup> – 8<sup>th</sup> May 2021 with nearly 200 abstract submissions as a **Convener** in online mode.

- Organised a National level quiz with title “An Awareness Quiz on Intellectual Property Rights” by Institution Innovation Council , Bapatla Engineering College, Bapatla during 20<sup>th</sup> – 25<sup>th</sup> August 2020 with 215 online registrations as a **Coordinator**.
- Organised one day national webinar on “Recent Advancements in Aluminum and Magnesium Technology” organized by Department of Mechanical Engineering , Bapatla Engineering College, Bapatla on 4<sup>th</sup> July 2021 with 420 online registrations as a **Coordinator**.
- Organised DST Sponsored two day national seminar on “Futuristic trends of Nano materials and their Fabrication (FTNCF - 2013)” organized by Department of Mechanical Engineering , R.V.R. & J.C. College of Engineering , Guntur during September 6-7 , 2013 with 137 participants as a **co-coordinator**.

### Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

#### Online

- Participated in the 7 Day National Level Online Faculty Development Program on “ChatGPT & AI Tools for Educators, in-line with OBE” organized by St Joseph's College (Autonomous), Irinjalakuda in association with The Kerala State Higher Education Council during 19th July 2023 to 26th July, 2023.
- Participated in SEBI(Securities and Exchange Board of India) & NISM (National Institute of Securities Markets) sponsored Investor Awareness Program – “Financial Literacy for You (FLY)” (Equivalent to one week Faculty Development Programme) organized by Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering (Autonomous), Guntur, A.P. during 7th October 2021 to 7th July, 2022
- Successfully completed Two Weeks on Line STTP on “Emerging Technologies in Electric Vehicles” organized by Department of Electrical and Electronics Engineering, Bapatla Engineering College, Bapatla during 02-08-2021 to 14-08-2021.
- Underwent Innovation Ambassador training (Advanced Level, Total 16 Sessions of 30 contact hours) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode.
- Participated in three days “ Examination Reforms” workshop in online mode Jointly conducted by ACIT, CHITKARA University , Punjab during 08.07.2021 – 10.07.2021
- Participated in a webinar on “Skill enhancement opportunities in Tool Engineering and CAD / CAM / CNC Technologies”, Organized by Department of Mechanical Engineering , Bapatla Engineering College , Bapatla on 26.06.2021.
- Participated in the five day online Short Term Course on “Smart Manufacturing Technologies”, Organized by Department of Mechanical Engineering at Maulana Azad National Institute of Technology, Bhopal, Madhya Pradesh, India-462003 during 23rd to 27<sup>th</sup> December, 2020.
- Participated in Virtual National Workshop on “Avenues of Engineering in Biomedical Research in Present Era” jointly organized by the Department of Mechanical Engineering, Electrical Engineering and Computer Science & Engineering, National Institute of Technology Manipur, Langol, Imphal West –795004, under sponsorship of Technical Education Quality Improvement Programme (TEQIP)-III during November 10-12-2020.
- Successfully completed the AICTE Sponsored Two Weeks on Line FDP on “Research Methodology , Design and Experiments for Engineers and Researchers” organized by R.V.R. & J.C. College of Engineering , Guntur during 07-12-2020 to 19-12-2020.
- Participated in “Awareness Webinar on Outcome Based Education and Accreditation (OBE&A)” organized by National Board of Accreditation, New Delhi in association with Jawaharlal Nehru Technological University, Hyderabad on 25-11-2020.
- Successfully completed the Short Term Training Programme through ICT Mode on “CAD/CAM” organized

National Institute of Technical Teachers Training and Research (NITTTR) , Kolkata during 19-10-2020 to 10-2020.

- Participated in “*International Conference on AI, Robotics and Automation*” organized by ICT academy Tamil Nadu held between 14<sup>th</sup> – 18<sup>th</sup> October 2020.
- Successfully completed the Short Term Training Programme through ICT Mode on “*NBA Accreditation & SAR Preparation for Engineering Institutes*” organized by National Institute of Technical Teachers Training and Research (NITTTR) , Kolkata during 07-09-2020 to 11-09-2020.
- Attended in a one week online FDP on “*Advanced Optimization Techniques For Research Problem Solving*” organized by the Department of Mechanical Engineering (Mechatronics), Mahatma Gandhi Institute of Technology (MGIT), Hyderabad , Telangana , India during 4<sup>th</sup> – 8<sup>th</sup> August 2020.
- Participated in the Webinar on the topic “*Advanced Material Processing*” organized by the Department of Mechanical Engineering, Narasarpeta Engineering College, Andhra Pradesh, India on 4th June 2020.
- Participated in one-day online seminar on “*Current Trends and Applications of Artificial Intelligence*” organized by Department of Computer Science and Engineering, R.V.R. & J.C. College of Engineering Guntur in association with Wiley Publications, India on 29<sup>th</sup> May 2020.
- Participated in one-day national webinar on “*Technology and Its implications on Economy in 21<sup>st</sup> Century*” organized by Department of Mechanical Engineering, Chebrolu Engineering College, Chebrolu on 27<sup>th</sup> May 2020.
- Attended the webinar on “*Research Thrust areas in Composites*” organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 20<sup>th</sup> May 2020.
- Participated in one-day webinar on “*Design of Experiments using Taguchi Method*” organized by Department of Mechanical Engineering, Kallam Haranadh Reddy Institute of Technology, Guntur on 14<sup>th</sup> May 2020.
- Successfully completed the module on *3.3 How to peer review a review article* presented by Matt Pavlov and organised by Researcher Academy, Elsevier on Friday 10 April, 2020
- Successfully completed the module on *How to review a manuscript* presented by Jaap van Harten and organised by Researcher Academy , Elsevier on Friday 24 January, 2020.

### **In Person**

- Successfully Completed training on “*IPR & Technology Transfer*” , conducted as a part of IIC Innovation Ambassador Training Series Organized by Institution’s Innovation Council of MHRD’s Innovation Cell, AIIT, held at MLR Institute of Technology, Hyderabad, Telangana on 6-7 February 2020.
- Participated in Three day Faculty Development Program on “*Product Development on 3D Experience*” organised by Andhra Pradesh Skill Development Corporation (APSSDC) in Association with Dassault Systemes and Vasireddy Vekatadri Institute of Technology (VVIT) from 20th to 22nd of November 2018.
- participated in AICTE Sponsored QIP Short Term Course on “*Mechanical Properties and Deformation Behavior of Structural Materials*” organized by Department of Metallurgical Engineering , IIT (BHU) Varanasi from 27th August - 1st September 2018.
- Participated in AICTE recognised Short term Course on “*Product Design and Development through Innovation*” conducted by Mechanical Engineering Department , National Institute of Technical Teachers Training and Research (NITTTR) , Chandigarh during 6th November – 10th November 2017 at R.V.R.& J.C College of Engineering ,Guntur.
- Attended “*Orientation Workshop for Associate Faculty*” at IIT Bombay during March 25th – 26th 2017.
- A Three Day Workshop on “*Advanced Vibration Analysis – MATLAB Hands on Sessions*” , organised by Department of Mechanical Engineering , University College of Engineering ,JNT University , Kakinada during 03- 05 March 2016.
- DST – PURSE Sponsored Two Day workshop on “*Advanced Characterization Techniques of Materials (ACM 2015)*” , organised by Dept of Mechanical Engineering , CEG Campus ,ANNA University , Chennai on 22nd to 23th February 2015.
- A Two Day workshop on “*Engineering Drawing*” , Under TEQIP-II S.C-1.1 organised by Dept of Mechanical Engineering ,

Engineering , Malla Reddy Engineering College (A) ,Secunderabad on 12th & 13th September 2014

- Two Day workshop on “*Computational Mecahnics*”, organised by Dept of Civil and Mechanical Engineering R.V.R.& J.C College of Engineering (A) ,Guntur on 15th & 16th July 2014.
- Two week Faculty Development Programme on “*Modeling and Optimization of Manufacturing System us Intelligent Techniques*” at BIT Sathy, Tamilnadu during the period 6<sup>th</sup> May to 18<sup>th</sup> May 2013.
- Attended a training program on “*MTAB make XL Mill, FMS & AGV*”, at MTAB Technology Centre , Chennai during 18/03/2013 – 20/03/2013.
- UGC Sponsered One week workshop on “*Research Methodology*” organised by M S University of Baroda Vadodara during March 26-31, 2012.
- “*Induction Training For Young Faculty*” organised by ISTE Chapter, R.V.R.& J.C College of Engineering Guntur on 7th & 8th September 2009.
- National level 3-day workshop on “*Meta Heuristics And Their Applications In Design And Manufacturing*” Vignan University,Vadlamudi during 18th-20th June 2009
- “AICTE approved workshop on “*Computational Mecahnics*”, organised by P.V.P Siddhartha Institute Technology,Vijayawada in the month of May 2009.
- “A National level seminar on “*Micro Machining*” organised by AICTE & R.V.R.& J.C College of Engineering ,Guntur during Dec19<sup>th</sup>&20<sup>th</sup>,2008.
- “*Induction Training For Young Faculty*” organised by ISTE Chapter, R.V.R.& J.C College of Engineering ,Guntur in July 25&26th 2008.

### **Awards/Recognitions/Achievements**

- **Paramount Award for the preparation of Course Outcomes** in a Three Day National level online workshop on Based Education and Examination (OBE & ER - 2022) held during 03rd 5th August 2022 organized by Internal Quality Assurance Cell (IQAC), Bapatla Engineering College, Bapatla, Andhra Pradesh.
- Mechanical Engineering **DEPARTMENT BEST TEACHER AWARD** for the academic year 2020-21 along with cash prize of Rs 5000/- at Bapatla Engineering College, Bapatla presented on 15.09.2021 on 54<sup>th</sup> Engineering Day Celebrations.
- **Certificate of Excellence in Reviewing** presented by Indian Journal of Science and Technology in the year 2021.
- One of the **IIC Innovation Ambassador** for IPR & Technology transfer by Institution’s Innovation Council MHRD’s Innovation Cell, AICTE , New Delhi.
- **Ranked 2<sup>nd</sup> among 310 partipants** in Three days Online workshop on “Design of Experiments : Engineering Perspective” organized by Journal of Advanced Engineering Research & powered by Hexa C India during 22nd – 24th April 2020.
  - **Top performer with 80% score** in Two Week FDP on “Mentoring Educators in Educational Technology (FDP301x)” conducted by IIT Bombay during May 17 , 2018 to 05 July , 2018.
  - **AWARD of EXCELLANCE** and a CASH PRIZE of Rs. 5000/- for being **One among 253 Top performers out of which 4051 registered participants** in AICTE Approved Four week FDP on “*Use of ICT in Education for online and Blended Learning*” conducted by IIT Bombay during May – July 2016.
  - An **incetnitive** of Rs 3000/- was given by the Management of R.V.R & J.C College of Engineering, Guntur **Receiving UGC sponsored research Project.**
  - Won the **momento** for the academic excellence at PG Level of R.V.R & J.C College of Engineering, Guntur in 21<sup>st</sup> & 22<sup>nd</sup> annual celebrations during the years 2006-’07 & 2005-’06.

## Details of project proposals completed ( Grants Received from Govt. Bodies)

### PROJECTS

Title	Funding Agency	Type	Amount	Role	Status
"Fabrication and Characterization of Nano $Al_2O_3$ reinforced Magnesium metal matrix Composites"	UGC FileNo: 42- 878/2013(SR) dated 19-02-2014	MRP	Rs. 4,36,000/-	Co investigator	Utilizat Repor Submitt

### SEMINARS / WORKSHOPS / CONFERENCES:

Title	Funding Agency	Type	Amount	Role	Status
"Futuristic trends of Nano materials and their Fabrication (FTNCF - 2013)", Sept 6-7, 2013.	DST FileNo: SB/SS/217/13- 14 dated 27-05- 2013	Seminar	Rs 40,000/-	Co coordinator	Compl

Every year I will apply for project/Seminar Proposal

### Student Project/Research Guidance

S.No	Level	Total number
1	UG	Completed: 15 Ongoing: 01
2	PG	Completed: 04 Ongoing: --
3	PhD	Completed: -- Ongoing: 01

### Administrative Experience

S.No.	Role	Duration (From – to)
1	NIRF Coordinator	01.08.2023 – Till Date
2	Co – Convener to IQAC	20.12.2020 – Till Date
3	Department Autonomous , NAAC, NBA Coordinator	2007 – Till Date
4	Event Coordinator of the Department	2021-2022
5	IPR Coordinator at the college Level	2020-2022
6	CAD Lab in charge	2017-2019
7	Member of External Examinations Committee member	2012-2017
8	Asst. Chief Superintendent	2012-2017
9	member of College Web Site & Automation committee	2008-2009
10	member of College Magazine Committee	2008-2012
11	member of College Sports Committee	2007-2008

### Research Credentials

Index/database	ID/Link
Google Scholar	<a href="https://scholar.google.co.in/citations?user=YYjiQ50AAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=YYjiQ50AAAAJ&amp;hl=en</a>
SCOPUS	<a href="https://www.scopus.com/authid/detail.uri?authorId=55384059200">https://www.scopus.com/authid/detail.uri?authorId=55384059200</a>



Web of Science	D-3212-2017
Vidwan ID	<a href="https://vidwan.inflibnet.ac.in/profile/183929">https://vidwan.inflibnet.ac.in/profile/183929</a>
Research Gate	<a href="https://www.researchgate.net/profile/Sameer_Kumar_Devarakonda">https://www.researchgate.net/profile/Sameer_Kumar_Devarakonda</a>
ODCID ID	<a href="https://orcid.org/0000-0001-9137-9930">https://orcid.org/0000-0001-9137-9930</a>

### Any other relevant information

- Member of 10+ **Professional Societies.**

PROFESSIONAL SOCIETIES	MEMBERSHIP NUMBER	MEMBERSHIP TYPE
Institute of Engineers - INDIA, Kolkata.	M-153651-0	LIFE MEMBER
Indian Society of Technical Education, New Delhi.	LM56777	LIFE MEMBER
International Association of Engineers (IAENG)	124402	LIFE MEMBER
International Association of Engineers and Scientists (IAEST)	01304872	Member
The Institute of Research Engineers and Doctors (IREDD) – Universal Association of Mechanical and Aeronautical Engineers (UAME)	SNM101000385	Senior Member For 3 Years
Hong Kong Society of Mechanical Engineers	m20170912001	Member
SCIENCE and Engineering Institute	20180730001	Member
Powder Metallurgy Association of INDIA	L00903	LIFE MEMBER
International Association of Advanced Materials	848151914257	
Institute For Engineering Research and Publication (IFERP)	PM375397	
Society for Failure Analysis (SFA) – CEMILAC DRDO Initiative	FLM – SFA - 0923	LIFE MEMBER
All India Council For Technical Skill Development	AICTSD/Other/56892	Member
Society of Automotive Engineers (SAE)	7230410121	For One Year

### REVIEW / EDITORIAL BOARD MEMBER:

#### **Editor –**

- Acted as an **Editor** for the Proceedings of **International conference** on “*Mechanical Engineering and Emerging Technologies (ICMEET 2022)*” by Department of Mechanical Engineering , Bapatla Engineering College, Bapatla during 22<sup>nd</sup> – 23<sup>rd</sup> April 2022 Published by **Trans Tech Publications , Switzerland** .
- Acted as an **Editor** for the Proceedings of **International conference** on “*Materials , Mechanical and Energy Engineering (ICMMEE)*” by Department of Mechanical Engineering , Bapatla Engineering College, Bapatla during 7<sup>th</sup> – 8<sup>th</sup> May 2021 Published by **IOP Conference Series (MSE) , UK** .
- Acted as an **Editor** for the Proceedings of **National Conference** on Recent Advances in Mechanical Engineering (NCRAME-2011) at R.V.R & J.C College of Engineering, Guntur-19, and July 7-8, 2011 Published by **R.V.R. & College of Engineering, Guntur.**

#### **Editorial Board -**

- SCIREA Journal of Mechanical Engineering
  - <http://www.scirea.org/journal/EditorialBoard?JournalID=46000#6051>
- SCIREA Journal of Materials
  - <http://www.scirea.org/journal/EditorialBoard?JournalID=43000#6051>
- Journal of Materials Physics and Applications
  - <http://www.jmaterphysappl.org/editorial-board.html>

#### **Reviewer Board -**

- International Journal of Engineering & Technology Research [IJETR]
  - <http://www.iaster.com/journaldetail.php?Name=IJETR>
- International Journal for Research & Development in Technology [IJRDT]
  - IJRDTREV 140131 [http://ijrdt.org/reviewers\\_list.aspx](http://ijrdt.org/reviewers_list.aspx)
- International Journal of Engineering Trends & Technology [IJETT]
  - SSRGJ-IJETT-1324 <http://www.ijettjournal.org/board-members>
- International Journal of Research in Engineering and Technology [IJRET]
  - 20140241 <http://ijret.org/ReviewBoard>
- International Journal of Mechanical Engineering [IJME]
  - <http://ijme-apm.com/Reviewer.aspx>
- Journal of Advanced Mechanical Engineering [JAME]
  - <http://jame.uscip.us/Reviewers.aspx>
- International Journal of Engineering Research and Technology [IJERT]
  - IJERTREW311 <http://www.ijert.org/about-us/review-board>
- International Journal of advances in Engineering & Scientific Research
  - <http://www.arseam.com/editorial-board/158>
- Journal of Physics and Chemistry of Solids – ELSEVIER PUBLICATION
  - <https://www.journals.elsevier.com/journal-of-physics-and-chemistry-of-solids>
- Journal of The Minerals, Metals & Materials Society (JOM) - SPRINGER PUBLICATION
  - <http://www.springer.com/engineering/journal/11837>
- Journal of Advances in Mechanical Engineering and Science
  - <http://www.djames.in>
- Journal of Testing and Evaluation - ASTM JOURNAL
  - <https://mc04.manuscriptcentral.com/astm-jote>.
- Journal of Composites Part B – ELSEVIER PUBLICATION
  - <https://www.journals.elsevier.com/composites-part-b-engineering>
- Journal of Ambient Energy – TAYLOR & FRANCIS PUBLICATION
  - <https://www.tandfonline.com/toc/taen20/current>
- Journal of Magnesium and Alloys (JMA) – ELSEVIER PUBLICATION
  - <https://ees.elsevier.com/jma/default.asp>
- Journal of Mechanical science and Technology (JMST) - SPRINGER PUBLICATION
  - <https://www.editorialmanager.com/mest/default.aspx>
- Sigma Journal of Engineering and Natural Sciences , Turkey
  - <http://eds.yildiz.edu.tr/sigma>
- Indian Journal of Science and Technology
  - <https://www.indjst.org/>
- International Journal of Coal Preparation and Utilization
  - <https://www.tandfonline.com/toc/gcop20/current>
- A Quarterly Journal of Operations Research (FORJ)- SPRINGER PUBLICATION
  - <https://www.editorialmanager.com/forj/default.aspx>
- Materials and Manufacturing Processes- TAYLOR & FRANCIS PUBLICATION
  - <https://www.tandfonline.com/toc/lmmp20/current>
- **PROJECT PROPSAL REVIEWED**
  - Reviewed a project proposal under **OPUS - Funding scheme**, submitted to the executive government agency of National Science Centre, POLAND. <http://www.ncn.gov.pl>.

#### NPTEL / MOOCs Enthusiast.

- Successfully completed NPTEL Course on “Quality Assurance through NAAC Accreditation Process” with **Elite Silver Grade**.
- Successfully completed NPTEL Course on “Engineering Drawing And Computer Graphics” with **Elite + Silver Grade**.
- successfully completed the 'Effective and Efficient Online Teaching in the Age of Corona, A Hands Workshop' on 24 May 2020 involving 3 days of video lectures and hands-on work. This training was organized by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India
- Three days Online workshop on “Design of Experiments : An Engineering Perspective” organized by Journal of Advanced Engineering Research & powered by Hexa Cube India during 22nd – 24th April 2020. [**Top performer – Ranked 2<sup>nd</sup> among 310 participants**]
- Two Week FDP on “Mentoring Educators in Educational Technology (FDP301x)” conducted by IIT Bombay during May 17, 2018 to July 05 2018. [**Top performer with 80% score**]
- AICTE Approved Four week FDP on “Use of ICT in Education for online and Blended Learning” conducted by IIT Bombay during May 2nd 2016 to July 10th 2016. [**One among 253 Top performers out of which 40 were registered participants**]

#### GUEST LECTURES DELIVERED/SESSION CHAIR /JUDGE / MENTOR / RESOURCE PERSON

- **Session Chair** during 3<sup>rd</sup> International Conference on “Emerging Trends in Mechanical Engineering & Industrial Automation”(NEC-ICETMEIA 2022) organized by Department of Mechanical Engineering, Narasaraopeta Engineering College, Narasaraopeta, Andhra Pradesh during 9<sup>th</sup> – 10<sup>th</sup> June 2023.
- **Session Chair** during 2<sup>nd</sup> International Conference on “Emerging Trends in Mechanical Engineering & Industrial Automation”(NEC-ICETMEIA 2022) organized by Department of Mechanical Engineering, Narasaraopeta Engineering College, Narasaraopeta, Andhra Pradesh during 29<sup>th</sup> – 30<sup>th</sup> July 2022.
- Delivered a **Guest lecture** on “MADM Methods for Start-up Selection (From Market Survey to Decision Making)” during **DST Sponsored 6 Week Online TECHNOLOGY BASED ENTREPRENEURSHIP DEVELOPMENT PROGRAMME (TEDP)** organized by Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering College, Guntur on 15.03.2021.
- Delivered a **Guest lecture** on “An Orient Session on National Educational Policy 2020 (with a focus on Innovation and Entrepreneurship)”, at Bapatla Engineering College, Bapatla on 22.01.2021.
- **Training** was given to faculty of Department of Mechanical Engineering, BEC on “How to schedule & conduct online classes in Google Meet and Microsoft Teams” on 1<sup>st</sup> August 2020 in online mode.
- Acted as **Resource person** during Two Days Vocational Training On “CNC Programming and Operation” during 26<sup>th</sup> - 27<sup>th</sup> July, 2019 organized by Department of Mechanical Engineering at Bapatla Engineering College, Bapatla.
- Delivered a **Guest lecture** on “Decision Making in Pharmacy Practice”, at N.R.K.& K.S.R Gupta College of Pharmacy, Tenali on 6th February 2018.
- Acted as **Mentor** in the AICTE approved FDP (FDP 101X) on “Foundation Program in ICT for Educators” during August 3rd 2017 to September 7th 2017 organized by IIT Bombay.
- Acted as **Mentor** in the AICTE approved FDP (FDP 201X) on “Pedagogy for Online and Blended Teaching Learning Process” during September 2014, 2017 to October 12, 2017 organized by IIT Bombay.
- **One of the IIC Innovation Ambassador** for IPR & Technology transfer by Institution’s Innovation Council, MHRD’s Innovation Cell, AICTE, New Delhi

D. Sameer Kumar

