

	Name	Mr. SURESH GOSULA
	Designation	Assistant Professor
	Qualification	M.Tech (Ph.D-NITM)
	Professional Exp.	7 Years
	Research Interests	Thermal Engineering, Materials Processing and Mechanical Behavior of Materials, Additive Manufacturing and Friction Stir Welding and Processing.
	E-Mail ID	sureshgosula777@gmail.com
	Phone Number	+91 9010626060

DETAILS OF EXPERIENCE

Organization	Designation	Period	Duration
ACE Engineering college, Ghatkesar, Hyderabad.	Asst. Professor	June.2016- Till to day	6 years
ADAM'S Engineering College, Palwancha, Kothagudem. T.S	Asst. Professor	Jan.2016 – June.2016	1/2 years

Professional Synopsis

- Overall 7 years of experience with specialization in Teaching.
- Published 14 Research International Publications.
- Actively participated in mechanical engineering department for NAAC and NBA accreditation.
- Actively participated in mechanical engineering department for ACE Engineering College Autonomous work.

Academic Credentials

- Pursuing Ph.D (Part-time) in NIT Meghalaya (Dec 2021),
- M.Tech (Thermal Engineering) from JNTU, Hyderabad,2013-2015
- B.Tech. (Mechanical Engineering) from JNTU, Hyderabad 2009-2013.

Memberships in Professional Societies

- Member in SAE India
- Member in Global Initiative of Academic Networks (GAIN)

IT SKILLS & PROFICIENCY

Programming Languages: HTML, CSS, JavaScript, Typescript

Angular8.0, AutoCAD,AI.

Operating System: Windows 2007, XP, Windows 10.

Personal Skills

- Excellent problem solving skills.
- An innate desire to face tougher and newer challenges.
- Extensive breadth of experience in engineering instruction at the college level
- Strong ability to deliver course material through a variety of teaching Methods
- Excellent presentation and communication skills
- Superior creative and critical thinking abilities
- High multitasking ability to balance teaching and administrative duties
- Provided individual mentoring and advice to students as required.
- Guided 10 UGC Projects.
- Provided individual mentoring and advice to students as required.

ACHIEVEMENTS

- Appreciation Certified for the Placement Coordinator in Dept of Mechanical Engineering, ACE Engineering College. A.Y (2017-2018)
- Certified for the active participation in NATIONAL LEVEL TECHNICAL SEMINAR held at Mallareddy Engineering College, Hyderabad, Andharpradesh (2013)

- Certified for the Blood donation in Andhra Pradesh Vidhya Vidhana Parishath.(2012-2013)

ACADEMIC INTERESTS

- Metallurgy and Material Science
- Production Technology
- Heat Transfer And Fluid mechanics
- Thermal Engineering.

Additional Responsibilities

- Acting as PROJECT CONVENOR for the IV/IV B. Tech mechanical students ACEEC.
- In charge for Metallurgy and Material science & Heat Transfer Laboratory
- Department Alumini Coordinator.
- Proctor for 20 students.
- In-charge for posting the Department Attendance
- Member in ACE Engineering College Library Committee.
- Member in ACE Engineering College Academic Committee.
- Member in ACE Engineering College Admission Committee.
- Department Level Examination Cell Coordinator.

INTERNATIONAL JOURNALS 2017-2018

- 1) **Suresh Gosula**, “Study on Impact of Microstructure and Hardness of Aluminum Alloy After Friction Stir Welding”, International Journal Of Advanced Engineering Research and Science (IJAERS), Volume-4,Issue-9,(Sep-2017) ISSN:2349-6495.
- 2) **Suresh Gosula**, Ragamshetty Mounika. “Enhanced Mechanical and Micro Structural Properties of AL-Mg-Si Age Hardening Alloy To Heat Treatment Alloy Via Friction stir welding” International Journal Of

- 3) **Suresh Gosula**,C.Venkatesh,B.Chaitanya,K.Sai Mahesh Yadav(NITW) “Effect of Deformation on the properties of Al-4Cu-05Mg-2SiC Powder Metallurgy Composite” International Journal Of Civil, Mechanical and Science (IJCMES),Volume-3,ISSUE-6,(Dec-2017)
- 4) **Suresh Gosula**, C.Venkatesh, CH.Raju, M.Mahender “The Effect of Friction Stir Welding on Aluminum Alloy To Alloy steel” International Journal Of Creative Research(IJCRT),Volume-5,ISSUE-4,(Dec-2017)
- 5) **Suresh Gosula**, Fabrication of Go-Kart (Guided the Graduate Students) International Journal of Scientific & Engineering Research (IJSER) Volume-9, ISSUE-4, ISSN2229-5518, (April-2018)
- 6) **Gosula Suresh**, Manda Ranjith Kumar, M. Keshav Prasad, M. Shiva Kumar, M. Nagesh, Ch. Ranjith Kumar Experimental Investigation on Mechanical Behavior of Rice Straw- Jute – Coconut-Palm Fibers – Reinforced Epoxy Natural Composite Material-IJSRET-Volume-8- ISSN:2395-566X,(June-2022).
- 7) **Gosula Suresh**, K. Bhanuprakash, S.Ravi Teja, M.Chintu, K.Saikumar, Design and Analysis of Drive Shaft Used In Front Wheel Drive Car-IJRPR-Volume-3,Issue-7,ISSN-2582-7421.(July-2022)
- 8) **Gosula Suresh**, M. Raju,Suraj Kumar Tiwari,D.Sundeep,Syed Javid Pasha Design and Vnalysis of a vertical Axis wind Turbine blade IRJMETS-Volume-04,Issue:07,ISSN:2582-5208.
- 9) **Gosula Suresh** ,V.Srinivas ,D.Saikiran ,Ch.Elender, S. Praveen Kumar, Finite Element Modelling and Analysis of Functionally Graded Disc IJARIE-Volume-8,Issue-4,ISSN:2395-4396.
- 10) CH. Raju, **Gosula Suresh**,K.Raju,P.Saikrihna Reddy,N.Sai Krishna,M.Sai Suresh, Enhancement of Heat Transfer Analysis and Optimization of Engine Fins of Varying and Materials. IJRPR,Volume-03,Issue:07,ISSN:2582-7421.
- 11) CH. Raju, **Gosula Suresh**, B. Bhuvanesh Kumar,B. Venkatesh, G. Aashish, K. Sravan DESIGN AND ANALYSIS OF E-BAJA ROLL CAGE

- 12) C. Venkatesh, **Gosula Suresh**, J. Laxmikanth Reddy, G.Naresh Yadav, S. Sai Kumar, Mohamood Raz DESIGN AND MODELLING OF FRONTAL CRASH ANALYSIS OF CAR IRJMETS,Volume-04,Issue-07,ISSN:2582-5208
- 13) Ch. Raju, **Gosula Suresh**, Kamalshetty Priyanka, J. Harshavardhan Reddy, Satyajith Jadhav, Gajji Shiva. Designing and CFD Analysis of Two- Wheeler Electric Vehicle Battery IJARIE,Volume-08,Issue-4,ISSN:2395-4396.
- 14) C. Venkatesh, **Gosula Suresh**, M. Sai Vivek, K. Abhinav Reddy, Y. Srinivas Reddy, N. Dineshwar Reddy, Design and Analysis of Brick Making Machine,IJRPR,Volume-03,Issue-03,ISSN:2582-7412.

National Conference:

- 1) **Suresh Gosula**,Ch.Raju, D.Naresh Yadav (NITW), Dr.GBalaraju (HOD) “Investigation of Cold Deformation studies of Al-ZrBr₂ Composites” National conference on Recent trends in Mechanical Engineering-26-28.02.2018.
- 2) **Suresh Gosula**, INFLUENCE OF NANOPARTICLE REINFORCEMENT ON THE MECHANICAL PROPERTIES OF CARBON FIBER/EPOXY COMPOSITE.26to 27.08.2020 (RDMPMC-2020) NIT- Jamshedpur, Jharkhand, India.

FACULTY DEVELOPMENT PROGRAMME

- 1) One Week FDP On “Recent Trends In Material Science” At Ace Engineering College, held on 23.11.2016-30.11.2016.
- 2) 2 Days FDP on “Recent Developments in Composite Materials and Application” At Ace Engineering College, held on 05.12.2016 - 06.12.2016.

- 3) 1 Days FDP On “3-D Printing” At VBIT, Hyderabad, held on 22.12.2016-22.12.2016.
- 4) 2 Week Training programme at ACE Engineering College held on 6.12.2017-18.12.2017.
- 5) 3 Days on “Energy Savings in Institutions and Industries” At ATRI Hyderabad. Held on 11.12.2017-13.12.2017.
- 6) FDP on Green Tribology and Sustainability Engineering held on 22.02.2021 To 26.02.2021.Canara Engineering College, AICTE-ATLA.
- 7) One Week On-Line FDP On CAD Modeling & MAT Lab Programming Sponsored by AICTE-ISTE, On 23.02.2020 To 01.03.2021,NRE College,Kompally,Hyderabad.
- 8) **One Week Faculty Development** Program On “ADVANCED NDT TECHNIQUES & APPLICATIONS IN INDUSTRY” From 25th to 29th May, 2020. Organized by Indian Society for Non Destructive Testing Hyderabad Chapter in association With Department of Mechanical Engineering, QISCET, Ongole, A.P
- 9) **One week online FDP** on “REFRESHER COURSE ON THERMODYNAMICS” Organized by Department of Mechanical Engineering, during 8th - 13th June 2020. Ramachandra College Of Engineering, Vatluru (V),Eluru-534007,A P.
- 10) one week Faculty Development Program titled "Manufacturing and Analysis of Advanced Materials and Engineering Structure" organized by Department of Aeronautical Engineering, MLR Institute of Technology from 26-05-2020 to 30-05-2020.
- 11) a **5-Day-National Level Online Faculty Development Program** on "ARTIFICIAL INTELLIGENCE (AI)" from 22nd May 2020 to 26th May 2020 Organized by the Department of INFORMATION TECHNOLOGY In association with NYCI & Brain O Vision Solution India Pvt. Ltd setting a proud world record with 13000 diligent learners across the nation Vignan's Institute of Engineering for Women-JNTU Kakinada-Vizag,A.P

- 12) 3-day faculty development programme on “ADVANCED MATERIAL CHARACTERIZATION TECHNIQUES” from 28th-30th May, 2020. Lendi Institute of Engineering & Technology, An Autonomous Institution JNTU-Kakinada.
- 13) Recent Applications of CFD in Civil and Mechanical Engineering Dec 6th to 10-2021,NIT Meghalaya.
- 14) AICTE-ISTE Refresh program FEA for loving Real Time Problem Dec 27th to 1st Jan-2022,NBKR Institute of science & Technology, Vidyanagar Kota, S.P.S.R, Andhra Pradesh.
- 15) Research Methodology with Scientific Tools, during Shri Rawatpura Sarkar University, Raipur.

UGC Main Projects:07 Student Name, H. T No.	Title	Year
B.SANTHOSH -17AG1A0352 K.AJAY -17AG1A0365 B.THARUN- 17AG1A0371	"TO RUN A MULTI BODY DYNAMICS SIMULATION USING SOLID WORKS ON PISTON ASSAMBLY"	2021
SK.Parveen-17AG1A0343 C.Shyamala-18AG5A0304 B.Kumar-17AG1A0331	"DESIGN AND FABRICATION OF HYDRAULIC JACK"	2021
D.Praveen Sai 17AG5A0331 A.Yashodha 16AG1A0337 P.Sai Kumar 16AG1A0358	FABRICATION OF MECHANISED MULTIDIRECTIONAL HYDRANT SPRAYING FIRE FIGHTING TRUCK	2020
P.Rajashekar 16AG1A0330 P. Sathish 17AG5A0308 M.Rakesh 16AG1A0323	POWER GENERATION THROUGH SPEED BREAKER MECHANISM	2020
M.Bhaskar 15AG1A0325 G.yashwanth 15AG1A0313 Y.rampavan 15AG1A0360	INFLUENCE OF NANOPARTICLE REINFORCEMENT ON THE MECHANICAL PROPERTIES OF CARBON FIBER/EPOXY COMPOSITES	2019

K.Prashanth 14AG1A0329 Phanindra 14AG1A0305 B.Chandan 14AG1A0358 B.Vikas 14AG1A357	FABRICATION OF GO-KART	2018
T.Suresh13AG1A03A9 Md.Yousuf 13AG1A036 S.Nivruthi 13AG1A0399 Sd.zubair13AG1A03A30	MODELLING AND ANALYSIS OF ROCKER ARM	2017

PARTICIPATED 2019-2020

- 1) Participated in **One Week Faculty Development** Program On “ADVANCED NDT TECHNIQUES & APPLICATIONS IN INDUSTRY” From 25th to 29th May, 2020. Organized by Indian Society for Non Destructive Testing Hyderabad Chapter in association With Department of Mechanical Engineering, QISCET, Ongole, A.P
- 2) Participated in **one week online FDP** on “REFRESHER COURSE ON THERMODYNAMICS” Organized by Department of Mechanical Engineering, during 8th - 13th June 2020. Ramachandra College Of Engineering, Vatluru (V),Eluru-534007,A.P
- 3) Participated in **one week Faculty Development** Program titled "Manufacturing and Analysis of Advanced Materials and Engineering Structure" organized by Department of Aeronautical Engineering, MLR Institute of Technology from 26-05-2020 to 30-05-2020.
- 4) Participated in a **5-Day-National Level Online Faculty Development Program** on “ARTIFICIAL INTELLIGENCE (AI)” from 22nd May 2020 to 26th May 2020 Organized by the Department of INFORMATION TECHNOLOGY In association with NYCI & Brain O Vision Solution India Pvt. Ltd setting a proud world record with 13000 diligent learners across the nation Vignan’s Institute of Engineering for Women-JNTU Kakinada-Vizag,A.P

- 5) Participated in The [3-day faculty development programme](#) on “ADVANCED MATERIAL CHARACTERIZATION TECHNIQUES” from 28th-30th May, 2020. Lendi Institute of Engineering & Technology, An Autonomous Institution JNTU-Kakinada
- 6) Participated in two day webinar on “RECENT INNOVATIONS AND FUTURE OF AUTOMOBILES” held on 21st & 22nd May, 2020. Department of Mechanical Engineering, Vignana Bharathi Institute of Techonology, Hyderabad, T.S.
- 7) Participated in two day webinar on “RECENT INNOVATIONS AND FUTURE OF AUTOMOBILES” held on 21st & 22nd May, 2020. Department of Mechanical Engineering, Vignana Bharathi Institute of Techonology, Hyderabad, T.S.
- 8) The “AWARENESS PROGRAM ON OUTCOME BASED EDUCATION (OBE)” On 5/18/2020 22:59:20. Department of Aeronautical Engineering, MLR institute of technology , UGC Autonomous ,Hyderabad, T.S
- 9) Participated in the Webinar Series titled “RECENT REVOLUTIONS IN MECHANICAL ENGINEERING” From 02nd June 2020 – 06th June 2020. J.B Institute of Engineering And Technology, Hyderabad, T.S

10) Participated in the webinar on “Methods and Tools for Qualitative Research Writing” on 16th May 2020 organized by the Department of Science and Humanities, Karpagam College of Engineering, Coimbatore.

11) A skill test on VLSI DESIGN on 6/2/2020, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, Srinivasa institute of Engineering and Technology, JNTUKakinada.

12) Participated One Day webinar on “METAL ADDITIVE MANUFACTURING” conducted by Department of Mechanical Engineering on 13-6-2020. Vivekananda institute of Technology and Science, Hyderabad,T.S

13) Participated in the Webinar on “3D PRINTING – REVOLUTION IN MANUFACTURING”
“Conducted
on 15th May 2020, Department of Mechanical Engineering , PSNA College of Engineering and Technology, Dindigul-624 622

14) Participated in the webinar on “3D PRINTING TECHNOLOGIES: CHALLENGES” presented by Mr. K. SUBRAMANYAM, Director CTO,QUANINT TECH SOFT PVT LTD & organized by department of

mechanical engineering, Sreenidhi Institute of Science and Technology, Hyderabad, T.S, held on 20/05/2020.

15) Participated in “FUNCTIONALLY GRADED METAL MATRIX COMPOSITES FOR ENGINEERING APPLICATIONS” on 21.05.2020 conducted by Department of Mechanical Engineering, Sri Indu College of Engineering And Technology, Hyderabad, T.S

16) The “COGNIZANCE PROGRAM ON COVID-19” on 5/23/2020, Department of Aeronautical Engineering, MLR institute of Technology, UGC Autonomous, Hyderabad, T.S,

17) Participated in the Webinar on “ INDUSTRY 4. 0” conducted by Department of Mechanical Engineering in association with Design Tech Systems Ltd. on 30th May 2020, %, CMR Technical Campus, UGC Autonomous, Hyderabad, T.S

18) Participated in the webinar on “DESICCANT BASED DEHUMIDIFICATION & COOLING SYSTEM”

presented by Dr. D. B. JANI PhD(IIT R), Assoc. Prof., Govt. Engineering College Dahod, organized

by Department of Mechanical Engineering, Sreenidhi Institute of Science and Technology, Yamnampet, Hyderabad, held on 19/05/2020.

19) Participated in the webinar on “EVOLUTION OF CONNECTED FACTORIES (INDUSTRY 5.0) “On 30/05/2020 Organized by Department of Mechanical Engineering, MLR institute of technology, Hyderabad, T.S

20) Participated in the Post COVID - 19 Resurgence of Indian Industry and R&D organized by IARE - TIIC (Technology Innovation and Incubation Centre) From 18 to 20 May 2020. Institute of Aeronautical Engineering, Hyderabad,T.S

21) Participated SAE COLLEGIATE CLUB Online AUTO QUIZ 2020 Series-1 On 15-5-2020 organized by Department of Mechanical Engineering, SRM institute of science and technology ,Chennai -600 026.

22) Participated and Performed well in “DIGITAL LITERACY “ ONLINE QUIZ From 18-05-2020 to 26-05-2020,In associated with Infinite Impact Club & IQAC, Department of Computer Applications,KarpagaVinayaga College Of Engineering And Technology, Padalam603308,Tamilnadu

23) Participated AnOnlinequiz on “FUNDAMENTALS OF MECHANICAL ENGINEERING” Conducted by Department of Mechanical Engineering from 22-05-2020 to 27-05-2020 with a score of 100%, CMR Technical Campus UGC Autonomous, Hyderabad, T.S

24) Participated An Online quiz on “BASICS OF ENGINEERING GRAPHICS AND ITS APPLICATIONS”

conducted by Department of Mechanical Engineering on 13-06-2020 with score of 93% ,CMR Technical Campus, UGC Autonomous, Hyderabad, T.S

25) National Level Online Quiz on “BASIC MECHANICAL ENGINEERING” on 17-6-2020 Organized by

Bharat Institute of Engineering and Technology (BIET) Hyderabad, T.S

26) Participated AnOnline Quiz on “UNCONVENTIONAL MACHINING PROCESSES” on 17-6-2020, Organized by the Department of Mechanical Engineering, Bharat Institute of Engineering and Technology, Hyderabad,T.S

27) The awareness quiz on “WORLD ENVIRONMENT DAY-2020” Organized by Green Eco Organization and Youth Red Cross, Arasu Engineering College, Kumbakonam through online pedagogy on 5/19/2020

28) Participated an Online Quiz on “Covid 19: Technological and Digital Transformation for a New Era ”on23-5-2020 with passing score of 100% organized by FDP committee.

29) Participated an Online Quiz on “C PROGRAMMING” organized by Department of Computer Science & Engineering, on with 28-5-2020. Vignan's Institute of Management and Technology for

Women, Hyderabad, T.S

30) Participated in National Online Quiz competition conducted by IQAC & WOMEN DEVELOPMENT CELL on 30-05-2020. Sir CR Reddy College (Aided & Autonomous) Eluru,A.P,India-534 007

31) Participated anOnline Quiz Competition on Covid-19 held on 30th May, 2020 Malla Reddy Engineering College for Women, Maisammaguda, Dhulapally, Secunderabad-500100

32) Participated and performed excellent in an online assessment Quiz on Automobile Engineering organized by Department of Mechanical Engineering, V.K.R, V.N.B & A.G.K college of engineering, Gudivada, Krishna District, Andhra Pradesh, India conducted during the period of 05/06/2020 to 07/06/2020.

33) Participated Anonline quiz on “MECHANICS OF SOLIDS” organized by Department of Mechanical Engineering, during 12th -13th June 2020.Kallam Haranadhareddy Institute of Technology, Guntur, and A.P.

34) Participated “After Treatment Systems For BS VI Vehicles” organized by SAE-India, during 24-02-2021, VNR Vigana Jyothi Institute of Engineering & Technology ,Hyderabad.

35) Participated “Research Teaching Nexus in Higher Education on 25/02/2021,College of Banking

and Financial Studies(CBFS),Muscat, Sultanate of Oma,SivaSivani Institute of Management, Hyderabad.

36) Participated Characterization and Machinability Studies of Metal Matrix Composite & Friction Stir Welding on 26/02/2021, VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad.

37) Participated “Laser-Arc Hybrid Welding of High Performance Materials” on 27/02/2021 Dr.G.padmanbham,ARCI,Hyderabad.

