

S.B. KARIMULLA REDDY

Department : Mechanical Engineering
College : Seshadr Rao Gudlavalleru Engineering College
Mobile : 7416720430
E-Mail : sbreddy.srgec@gmail.com

RESIDENTIAL ADDRESS: S.Baji Reddy, S/o S.Venkata Reddy, door no 4-11C, Ganugapadu, Tiruvuru, Krishna, A.P-521227

ACADEMIC QUALIFICATIONS:

S.No	Qualification	Academic year	Institute	Marks %
1	S.S.C	2006-07	PBHS, TIRUVURU	90.83
2	INTERMEDIATE	2007-09	NALANDA JUNIOR COLLEGE, VIJAYAWADA	97.90
3	B.TECH(ME)	2009-13	ANU, GUNTUR	82.14
4	M.TECH(M.D)	2013-15	JNTUK, KAKINADA	84.59
5	Ph.D	2022-23 (JOINED)	ANU, GUNTUR	-

ACADEMIC REWARDS / ACHIEVEMENTS:

1. Topper in M.Tech in the Department of Mechanical Engineering, JNTUK, Kakinada in the batch 2013 – 2015, with Percentage of 84.59.
2. All India gate rank 6439.
3. Prathiba scholarship award 2009-2013.
4. Nptel topper in Mechanics of solids, Engineering Mechanics and Strength of Materials from various IIT's.
5. Nptel Elite certification in Engg Mechanics, Strength of materials, Mechanics of solids, Mechanical Vibrations and Introduction to composites from various IIT's.

6. Qualified in NITTTR Chennai Module IV Student assessment and Evaluation programme.
7. Seimens Certification on NX-7.5 modeling and analysis package.
8. Intermediate topper over DISTRICT level with 97.90%.
9. SSC Topper in MANDAL level.
10. 2nd prize in UTF TALENT TEST IN 10th standard.

PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Asst Professor	Seshadri Rao Gudlavalleru Engineering College	02-11-2015 to Till date

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
Nil	3	12

Department Responsibilities:

- NBA Criteria 4 member.
- 1st year Examination coordinator & Associate Examination Incharge.
- Lab Incharge for Mechanics of Solids Lab.

RESEARCH PAPERS / BOOKS:

PAPERS PUBLISHED IN JOURNALS: 10

1. 1.S.B.K.REDDY, 2. G.V.JAGADEESH, "EFFECT FIBER ANGLE AND LAYER THICKNESS ON MECHANICAL BEHAVIOUR OF LAMINATED COMPOSITES". *Recent Advances in Materials Technologies*, Lecture Notes in Mechanical Engineering, https://doi.org/10.1007/978-981-19-3895-5_20. pages from 259 to 267.
2. 1. S.B.K. Reddy, 2. J. Sri Charan, 3. D. Jithendhar "SMART SOLAR SCARECROW" in International Research Journal of Modernization in Engineering Technology and Science- Volume:05/Issue:06/June-2023, e-ISSN: 2582-5208, Impact Factor- 7.868, pages from 3938 to 3940.
3. Mr. G V Jagadeesh, Mr. S B K Reddy "Investigation on Tribological Characteristics of Ball Burnished Mg Ze41A Alloy by ANOVA and ANFIS Techniques" in ICAMEMS-2023 and publication in " Materials today: proceedings" UNDER PROCESS.

4. 1. Syed siddiq, 2. S.B.K REDDY, "Effect of silver nano particle and graphene powder on tribological properties of aluminium 7075 hybrid nano composites" |IJRAR MAY 2019, VOLUME 6, ISSUE 2, PAGE NO 491 TO 498.
5. 1. Syed siddiq, 2. S.B.K REDDY, "Effect of silver nano particle and graphene powder on Mechanical, Microstructural and dry wear Behaviour properties of aluminium 7075 hybrid nano composites" |IJRAR june 2019, VOLUME 5, ISSUE 6, PAGE NO 717 TO 725. ISSN 2395-1052.
6. 1. S.B.K.REDDY, 2. PAMARTHI HARISH, " INFLUENCE OF GRAPHENE AND ALUMINA ON MECHANICAL AND MICROSTRUCTURAL PROPERTIES OF AL 7075 BASED hybrid composites". Journals of Advancement in Machines Volume 4 Issue 2 with pages from 10 to 22.
7. 1.P.Murai, S.B.K.Reddy, " Modeling of leaf spring contacts by finite element approach using lagrange multiplier method",| IJRAR, VOLUME 6, ISSUE 1 WITH E-ISSN 2348-1269 pages from 125 to 129.
8. S.B.K.REDDY, PAMARTHI HARISH, " Mechanical properties and Tribological Behaviour of Stir Cast Al-6063 alloy Based hybrid composites". Journals of Advancement in Material Engineering Volume 4 Issue 2 with pages from 23 to 32.
9. U. Ranga Srinivasulu, S.B.K. Reddy "Finite Element Analysis of Thermally Induced Residual Stresses in Functionally Graded Materials(AL₂O₃/SiC/TiC)" in IJIRST International Journal for Innovative Research in Science & Technology| Volume 4 | Issue 2 | July 2017 ISSN (online): 2349-6010 .pages from 17 to 31.
10. Abhishek Kumar, S.B.K.REDDY, "Studies of Rock Bed Solar Thermal Storage System for Space Heating Applications" in IJETST-Vol. | |03| |Issue| |11| |Pages 4764 4770 | |November| |ISSN 2348-9480.

LIST OF WORKSHOPS ORGANIZED: 3

- Organised three days national workshop on "ADVANCES AND APPLICATIONS OF CFD "Held on 10-12 April 2014 at JNTUK.
- Organised Two day National workshop on "ADVANCED MATERIALS AND PROCESSES" Held on 4-5th April 2014 in JNTUK.

- Organised one day workshop on "Metal matrix composites" held at gudlavalleru Engineering college.

LIST OF WORKSHOPS /CONFERENCES /SEMINARS

Webinars/Online FDPs/FDP ATTENDED: 36

1. Participated one week faculty development programme on Advancements in Mechanical Engineering organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from 19/06/2023 to 24/06/2023.
2. Participated one week faculty development programme on "INNOVATIONS IN MECHANICAL ENGINEERING" organized by Department of Mechanical Engineering, Vasireddy Venkatadri Institute of Technology, Nambur from 26-12-2022 to 30-12-2022.
3. Attended Five days faculty skill development programme on "CATIA" organized by department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering college from 18th to 30th July 2022.
4. Attended one day Hands on training programme on "ANSYS Workshop - A Hands-on Introduction to Finite Element Analysis" organized by IIT MADRAS on 19th March 2022.
5. Attended and Presented a paper in Two day International conference on "Recent contributions in Mechanical Engineering" organized by Department of ME, SRGEC, Gudlavalleru On 25th & 26th February 2022
6. Attended one day faculty development programme on "Powder Metallurgy Technologies - A perspective in Automobile, Defence and Space sectors" organized by department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), Tirupati, AP, India on 20th October 2021.
7. Attended one day webinar on "Composite Materials for Future" organized by department of Mechanical Engineering, CMR university On 03rd September 2021.
8. Attended Five days faculty development programme on "Research trends in Thermal Engineering" organized by department of Mechanical

Engineering, Seshadri Rao Gudlavalleru Engineering college from 06th to 10th September 2021.

9. Attended and Presented a paper in Two day International conference on “Energy and Materials Technologies” organized by SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING On 20th & 21st August 2021.
10. Attended one day webinar on “Composite Materials for Future” organized by department of Mechanical Engineering, CMR university On 03rd September 2021
11. Attended one week faculty development programme on “NEW AGE MATERIALS & TECHNOLOGIES” organized by department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), Tirupati, AP, India from 04th to 08th October 2021.
12. Attended Three days faculty development programme on “Research trends in Electrical Vehicles Phase-I” organized by department of Mechanical Engineering, Gudlavalleru Engineering college from 17th to 19th March 2021.
13. Attended one week STTP on “ADDITIVE MANUFACTURING FOR MEDICAL AND AEROSPACE APPLICATION” organized by department of Mechanical Engineering, Shri Vishnu Engineering college for Womens from 04th to 09th January 2021.
14. Certified and Attended one and half week FDP by NPTEL for completing the course "Kinematics of Machines and Mechanisms", with successfully completed certificate.
15. Certified and Attended one and half week FDP by NPTEL for completing the course "Introduction to composites", with a score of 73% and stood elite certificate.
16. Attended three days national level webinar on “Intellectual property rights and patents a view ” organized by department of Mechanical Engineering, Gudlavalleru Engineering college from 10th to 12th August 2020.

17. Attended one week online faculty development programme on “Research developments in Mechanical Engineering” organized by department of Mechanical Engineering, Prasad V. Potluri Siddartha Institute of Technology from 10th to 14th August 2020.
18. Attended one week faculty development programme on “Research trends in Mechanical Engineering” organized by department of Mechanical Engineering, Gudlavalleru Engineering college from 15th and 20th June 2020.
19. Attended two day faculty development programme on “Quality control and Testing of weldments” organized by department of Mechanical Engineering, Godavari institute of Engineering and Technology on 26 and 27th May 2020.
20. Attended one week faculty development programme on “Development and Characterization of Composite Materials” organized by department of Mechanical Engineering, Lingyas institute of Technology from 25th to 29th May 2020.
21. Attended one day webinar on “Research thrust areas in composites” organized by department of Mechanical Engineering, Arasu Engineering college On 20th May 2020.
22. Attended one day webinar on “Advanced Material processing” organized by department of Mechanical Engineering, Narsaraopeta Engineering college On 04th June 2020.
23. Attended one day webinar on “Machining studies on Aluminum composites” organized by department of Mechanical Engineering, CMR university On 21st May 2020.
24. Participated in “ Two day Faculty Development programme” on “Advances in Manufacturing” during 16-18 Nov 2018, held in Gudlavalleru Engineering college.
25. Participated in “ One week Refresher Course on Computational Fluid Dynamics Sponsered by AICTE-ISTE” during 18-23 June 2018, held in Gudlavalleru Engineering college.
26. Participated in “one week refreshing course on “Finite element methods” during 19-24 june 2017, organized by department of Mechanical Engineering, Gudlavalleru Engineering College.
27. Participated in one day workshop on “NATURAL RESOURCES OF A.P” notified by Ministry of Environment, Forest & climate change, Govt. of India from 22-28 April 2015 in JNTUK.

28. Participated in three days national workshop on “ADVANCES AND APPLICATIONS OF CFD “Held on 10-12 April 2014 at JNTUK.
29. Participated in Two day National workshop on “ADVANCED MATERIALS AND PROCESSES” Held on 4-5th April 2014 in JNTUK.
30. Participated in three days national workshop on “COMPOSITE MATERIALS” held in JNTUK
31. Participated in three days national workshop on “ENERGY AND ENVIRONMENT” held in JNTUK.
32. Undergone work shop on “TEACHING METHODOLOGIES” in engineering subjects held in JNTUK.
33. Attended two day faculty development programme on “Training on Proge Cad” organized by department of Mechanical Engineering, Gudlavalleru Engineering College.
34. Attended three day workshop on "MAT LAB" organised by department of Mechanical Engineering, Gudlavalleru Engineering College.
35. Attended training programme on “Fire and Safety” held at Bapatla Engineering College.
36. Attended one day workshop on "NPTEL Awareness program" organised by department of Mechanical Engineering, Gudlavalleru Engineering College.

CERTIFICATIONS:

1. Got certification from Department of English on completing Three levels of FDP on Oral, Written & Scholarly communication.
2. Got certificate of appreciation in a **national level quiz** on basics of Mechanical Engineering held by Lakireddy Bali Reddy college of Engineering on 16th June 2020 with a score of 75%.
3. Certified by **NPTEL** for completing the course "**Mechanics of Solids**", with a score of 86% and stood 4th position.
4. Certified by **NPTEL** for completing the course "**Engineering Mechanics**", with a score of 74% and stood in top 5 % .
5. Certified by **NPTEL** for completing the course "**Strength of Materials**", with a score of 88% and stood in top 5 %.
6. Certified by **NPTEL** for completing the course "**Mechanical**

- Vibrations**", with a score of 84% and stood elite certificate.
7. Certified by **NPTEL** for completing the course "**Kinematics of Machines and Mechanisms**", with successfully completed certificate.
 8. Certified by **NPTEL** for completing the course "**Introduction to composites**", with a score of 73% and stood elite certificate.
 9. Certified by **NITTTR** for completing the course "**Student assessment and Evaluation**", with successfully completed certificate.
 10. Trained on Siemens "PLM NX-7.5" certification design software program

Subjects taught:

Solid Mechanics, Design of Machine Members, Machine Drawing, Dynamics of Machines, Design of Transmission Elements, Green Engineering, Elements of Mechanical Engineering, Engineering Drawing and Design for Manufacturing.

Labs handled:

Solid Mechanics lab, Engineering workshop, Computer aided design lab, Machine Dynamics lab, Engineering Mechanics lab and Computer aided Machine Drawing lab.

S.B.Karimulla Reddy