



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY**

Sponsored by: SKPVV Hindu High School Committee, Estd: 1906
(Approved by AICTE Affiliated to JNTU Kakinada)

ISO 9001:2015 Certified

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FACULTY PROFILE

Dr.Md. Abid Ali

32-30-2/1, T V Rao Road,
Maruthi Nagar,
Vijayawada,
Krishna District, A.P, India
Cell: 919441581156
email: mdabid_786@yahoo.co.in



Teaching: 17 Years

Industry: Nil

Career Profile

YEAR	ORGANIZATION	ROLE
2019-Till Date	PSCMR CET, Vijayawada	Professor
2017-19	Ramachandra College of Engineering, Eluru	Professor & NBA Coordinator
2015-17	K L University, Vijayawada	Professor
2014-15	K L University, Vijayawada	Assoc. Professor
2012-14	Anurag Engineering College, Kodad	Professor & HOD
2010-12	Anurag Engineering College, Kodad	Assoc. Professor & HOD
2009-10	Anurag Engineering College, Kodad	Assoc. Professor
2008-09	Nimra Institute of Science & Tech, Vijayawada	Asst. Professor & HOD
2001-08	Nimra College of Engg & Tech, Vijayawada	Asst. Professor
2000-01	JB Institute of Engg & Tech, Hyderabad	Lecturer

Qualification

Degree and Date	Board / University	Date of Completion	% Marks
Ph.D.	Andhra University	2013	
M.Tech (Production Engg.)	V.R.Siddartha Engineering College, Vijayawada Nagarjuna University	2002– 2004	67
B.Tech (Production Engg.)	V.R.Siddartha Engineering College, Vijayawada	1996 – 2000	65
Intermediate	Board of Intermediate Education, A.P	1993-95	75
Secondary School Certificate	Board of Secondary Education, A.P	1992- 93	79

The subjects handled:

1. Engineering Graphics,
2. Engineering Mechanics,
3. Metallurgy & Materials Science,
4. Instrumentation & Control System,
5. Production Technology – 1,
6. Operations Research,
7. Optimization Techniques,
8. Management science,
9. Managerial Economics and Financial Analysis,
10. Metrology,
11. CAD/CAM,
12. Mechanical Handling Equipment's,
13. Introduction to Aeronautical Engineering,
14. Aerospace Materials and Composites, ,
15. Finite Element Modeling and Methods,
16. Power Plant Engineering,

17. Mechanics of Solids,
18. Machine Tools,
19. Machine Drawing,
20. Reverse Engineering & Rapid Prototyping,
21. Robotics,
22. Cellular Manufacturing Systems,
23. Metrology & Instrumentation.

Subject Taught-P.G:M.Tech (CAD/CAM)

24. Manufacturing methods and mechanics of composites,
25. Computer Aided Manufacturing,
26. Automation in Manufacturing.

Curricular

Certification	Date Certified
.CNC Turning/CNC Milling Training course	2004

Affiliation to Professional Bodies (Memberships)

1. Life Member, Indian Society of Technical Education. LMISTE-63381
2. LIAEng
3. Fellow, ISRD

Publications

Published papers in the international journals – 24.

[1] DETERMINATION OF IMPACT STRENGTH OF POP AND SAW DUST COMPOSITE LAMINATE "authorized by Mohammed Abid Ali has been published for publication in International journal of scientific computing "Serials publications, New Delhi".

[2] DETERMINATION OF THERMAL CONDUCTIVITY OF PLASTER OF PARIS "authorized by Mohammed Abid Ali has been published for publication in INTERNATION E-JOURNAL OF MATHEMATICS AND ENGINEEING journal" 52(2010)528-531.

[3] Md. Abid Ali, Dr. K.N.S. Suman, Dr. V.V.S. Kesava Rao, "Mechanical and Thermal Properties of Indian Cork Wood PolyAcrlonitrile Composites", Journal of Automotive Mechanical & Aerospace Engineering Research ISSN:2229-9270, March, 2011.

[4] Mohammed Abid Ali and V.V.S. Kesava Rao, "Compressive Strength of Neem, Mango and Cork Wood Poly Acrylonitrile Composites", International journal of Engineering Research and Technology, ISSN:0974-3154, Vol.4, No.4, pp.391-399, 2011

[5] Mohammed Abid Ali, Dr. K. N.S Suman and V.V.S. Kesava Rao, "Thermal behaviour of Cork, Mango and Neem Wood Polyacrlonitrile Composites Thermogravimetric Analysis in Inert Atmosphere", acceptance of your Manuscript/Research paper for publication in International journal on Mechanical & Automobile Engineering (IJMAE) ISSN:0974-231X. (Acceptance Code: SERC-IJMAE-JBBN11-03-21N).

[6]. Md. Abid Ali, Dr. K.N.S. Suman, Dr. V.V.S. Kesava Rao, "Study of Mechanical Properties of Wood Polyacrylonitrile Composites", International journal of Engineering Science and Technology.", ISSN : 0975-5462 Vol. 3 No. 10 October 2011.

[7] Md. Abid Ali, Dr. K.N.S. Suman, Dr. V.V.S. Kesava Rao, "Thermal Analysis of Neem Wood Polyacrylonitrile Composites", IJETSE International Journal of Emerging Technologies in Sciences and Engineering, Vol., No.(accepted).

[8] Dr MD. ABID ALI, "Mechanical Properties Of slag Reinforced Polymer Composites", International Journal Of Mechanical And Production Engineering Research And Development. ISSN:2249-6890 IN AUG 2013.

[9]. Dr MD. ABID ALI, "Finite Element Analysis of Glass/Epoxy Composite Laminates with Different Types of Circular Cutouts", Indian Journal Of Applied Research. Volume : 3 Issue : 6 June 2013 SSN – 2249-555X. (**Scopus Index**).

[10]. Dr MD. ABID ALI, " Thermal Characterization of Neem and Cork Wood Polyacrylonitrile Composites" Global Journal of Researches in Engineering: A Mechanical and Mechanics Engineering Volume 14 Issue 3 Version 1.0 Year 2014

[11]. Dr MD. ABID ALI, "Effect of Epoxy modifiers (Bagasse fiber / Bagasse ash / Coal powder / Coal Fly ash) on mechanical properties of Epoxy / Glass fiber hybrid composites" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.24 (2015) PP 45625-45630 (**Scopus Index**)

[12] Mrs. Kamala Priya , Dr. Md. Abid Ali, Naga Sai Ram ".Design and Analysis of Square Model Unit Cell for the prediction of Thermal Conductivity of Fibre Reinforced Composites", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 11, Number 10 (2016) pp 7. (**Scopus Index**)

[13]. Dr MD. ABID ALI "Spectral Investigation of Structural and Optical Properties of

Mechanically Synthesized TiO₂-V₂O₅ Nanocomposite Powders” Materials Today: Proceedings (2016) 31 – 38. (**Scopus Index**)

[14]. “An Intelligent feature based process planning for Rotational parts” Proceedings of the 2016 International Conference on Industrial Engineering and Operations Management, Kuala Lumpur, Malaysia, March 8-10, 2016. (**Scopus Index**)

[15]. Dr MD. ABID ALI “ Effect of Particle Velocity, Temperature and Impingent Angle on the Erosive Wear Behavior of Jute/E-glass Fiber Reinforced Polymer Composites”. ”.Indian journal of Science &Technology. Vol 9(38), DOI: 10.17485/ijst/2016/v9i38/88617, October 2016(**Scopus Index**)

[16]]. Dr MD. ABID ALI .Optimization of Machining Parameters for surface roughness on turning of Niobium alloy C-103 by using RSM Materials Today: Proceedings 4 (2017) 2248–2254. (**Scopus Index**)

[17]A Modified Hybrid Similarity Coefficient Based Method for Solving the Cell Formation Problem in Cellular Manufacturing system Materials Today: Proceedings 4 (2017) 1469–1477.(**Scopus Index**)

[18]“Automatic Recognition of Internal Features of Axisymmetric Parts from 2DImages”.IndianjournalofScience&TechnologyVol9(44),DOI:0.17485/ijst/2016/v9i44/90267, November 2016 . (**Scopus Index**)

[19] DESIGN AND SIMULATION OF MEMS BASED ACCELEROMETER FOR CRASH DETECTION AND AIR BAGS DEPLOYMENT IN AUTOMOBILES International Journal of Mechanical Engineering and Technology (IJMET) Volume 8, Issue 4, April 2017, pp. 380–387 Article ID: IJMET_ISSN Print: 0976-6340 and ISSN Online: 0976-6359 (**Scopus Index**)

[20] Dr Md Abid Ali, Impact strength of Neem, Mango and Cork wood polyacrylonitrile Composites Indian Journal Of Applied Research 7,9,29-31,2017

[21] Veera Santhakumari¹, Dr. Md. Abid ali², Mr. M. Pacha Khan³ Modeling and Static Model Analysis of Shock Absorber by using Different Materials. Journal of Applied Sciences, Engineering and Management ISSN 2320 – 3439, Vol. 06, No. 04, July 2017, pp. 213 – 219.

[22] , Dr. M. Abid Ali Evaluation of Mechanical Properties of Coir-Jute-Glass Fibres Reinforced Composite. International Journal of Pure and Applied Mathematics Volume 116 No. 5 2017, 135-139 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version) (**Scopus Index**)

[23] Dr. M. Abid Ali MECHANICAL PROPERTIES OF SISAL, GLASS FIBRES, SUGARCANE BAGASSE FIBRE REINFORCED BY POLYPROPYLENE COMPOSITE. International Journal of Pure and Applied Mathematics Volume 116 No. 5 2017, 129-134 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version) (**Scopus Index**)

[24] KANCHARLA. BULLIBABU¹ & MD. ABID ALI² PRODUCTION AND CHARACTERIZATION OF LOW THERMAL CONDUCTIVITY CLAY BRICKS BY ADMIXTURE OF BAGASSE AND PERLITE. International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 8, Issue 3, Jun 2018, 809-816 . (**Scopus Index**)

Conferences, Seminars, Workshops & Guest Lectures Attended

1. Presented paper on “Expert systems approach for selection of material handling equipment in FMS National Conference on Emerging Trends in Concurrent Engineering January 15-16, 2005 Organized by Department of Mechanical Engg. NIT ROURKELA, ORISSA.
2. Paper presented on Fatigue Analysis of Weldments. National Conference, RTDMT 2005, March 17-18th 2005 Kumarguru College of Technology, COIMBATORE, Tamilnadu State, India.
3. Paper presented on Fracture Analysis of Weldment National Conference, CAME – 2005, 21st December, 2005 JNTU College of Engineering, Anantapur, Andhra Pradesh State, India.
4. Paper presented on Free Vibrations Analysis of Thin FRP Laminated Composite Plates using FEM. International Conference, ICADM– 2007, 9th to 11, August, 2007, Sethu Institute Of Technology, Pulloor, Kariapatti, Tamil Nadu, India.
5. Paper presented on Micro Mechanical Analysis of FRP Composite Lamina for Thermal Loading. International Conference, ICRTME– 2007, 4th to 6, October-2007, Ujjain Engineering College, Ujjain, India.
6. Paper presented on Finite Element Simulation of Thick FRP Laminated Composite Beam With Simply Supported End Conditions. National Conference, AMMP– 2007, 5th to 6, October, 2007, University B.D.T. Engineering College, Davengere, Karnataka, India.
7. Paper presented on Micro Mechanical Analysis of FRP Composite Lamina for Thermal Loading. National Conference, RAIME– 2008, 20th to 21st, March- 2008, National Engineering College, Kovilpatti, Tamil Nadu, India.
8. Paper Presented on Wood Polymer Composites: A Review, National Conference, GTMTS-2010, March-2010, Sethu Institute Of Technology, Pulloor, Kariapatti, Tamil Nadu, India.
9. Paper Presented on Determination of Wear Strength of Cork wood PolyAcrlonitrile Composites, National Conference, AIME-2012, Febraury-2012, Kamala Institute Of Technology and Science, Karim Nagar, Andhra Pradesh, India.
10. Paper Presented on Spectral Investigation of Structural and Optical Properties of Mechanically Synthesized MoO₃ Nano Powders, National Conference, AMMS-2015, 28th November-2015, Vishnu Institute of technology ,Bhimavaram, Andhra Pradesh,
11. Karimulla sd, SS Rao, Development of Software Pacakage for Automatic Generation of CNC Part program from STEP File NSMERS-16, October 7th, 2016 NIT ,Warangal.
12. Investigation to Improve the Thermal Resistance and Compressive Strength of Construction Materials by Admixture of Bagasse, Palm Fruit Fiber and Paper Residue

13. Micro structural Studies of Fiber reinforced E-Glass With Jute Fiber , (ICRACM-2016)K L University, Andhra Pradesh, INDIA.
14. Production of Fired Clay Bricks With Admixture of Palmyra Fruit Fiber and Evaluated By Ansys. (ICRACM-2016)K L University, Andhra Pradesh, INDIA.
15. Characterization and TOPSIS Ranking of Hybrid Composites. Fiber (ICRACM-2016)K L University, Green fields, Vaddeswaram, Guntur district , Andhra Pradesh, INDIA.

Events Organized / Conducted

- 1.Elements of Heat Transfer By Dr G.Amarender Rao,Prof&HOD,VBIT,Hyd. in the month of March,2013.
- 2.CFD&Its Applications by Mr.D.Srinivas ,N.S.Technologies,Hyd in the month of March,2013.
3. Mechanical Engineering Association (MECHNOMICZ) Conducted One Seminar on Science Behind the metals&Materials by Dr. N Eswar Prasad, Director, DRDO,,Hyderabad .in the month of August,2012.
- 4• Conducted one day seminar on composite materials advanced systems by Dr. G.V.RAO on 23.08.2013.
- 5• Conducted One day on seminar advances behind the development of metals and materials by Dr. N. Eshwara prasad on 17.08.2013.
- 6• Conducted one day workshop on Advances in mechanical engineering by Dr. G.Vijay Kumar as a part of faculty development program on 20.07.2013..
- 7• Work shop on FEM for the III Mechanical students in July 2013.
- 8• Seminar on composites for the IV Mechanical students in August 2013.
9. A National Conference on advances in mechanical Engineering for the all Mechanical students in September 2013.
- 10.Acted as judge for Students at Technical Fest at K L University from 2014 to 2017.

Signature