

HOD Profile



Name: Syed Altaf Hussain

Designation: Professor & Head

Educational Qualification: M.Tech, Ph.D

Experience: 19 years

Educational qualifications:

S.No	Name of course	University/ Institute	Year of passing
1	Ph.D	JNTUA- Ananthapuramu	2013
2	M.Tech	JNTUH- Hyderabad	2003
3	B.Tech	Regional Engineering College, Warangal, A.P	1993
4	D.M.E	Govt. Polytechnic, Proddatur	1988
5	T.h.S.C.E	Technical High School Attached To Govt. Polytechnic, Proddatur	1985

Teaching Experience:

S.No.	Name of the Institute	Designation	Period
1.	Rajeev Gandhi Memorial College of Engg & Technology-Nandyal, A.P	Professor	Since 01.04.2013 to till date
2.	Rajeev Gandhi Memorial College of Engg & Technology-Nandyal, A.P	Assoc. Professor	1.10.2005 to 31.03.2013
3.	Mohammed Sathak Engg. College, Kilkarai. T.N	Asst. Professor	29.11.2003 to 8.09.2005
4.	Majhighariyani Institute of Technology & Science-Rayagada (Orissa state)	Senior Lecturer	15.07.2002 to 5.11.2003
5.	Sri SaiRam Engineering College, Chennai-44. T.N	Lecturer	11.08.1997 to 09.01.2001
6.	T.M. Polytechnic-Kadapa, A.P	Associate Lecturer	19.04.1995 to 07.08.1997

Academic/ Professional Memberships:

- Member of Indian Society for Technical Education. **(ISTE), M.No: LM 30471.**
- Fellow of Institution of Engineers India **(FIE), M.No: F-118032-7.**
- **National Executive Council Member of Indian society for Technical Education (ISTE) for the period (2015-2017).**

Academic/ Administrative works:

- ✚ UG & PG Project coordinator
- ✚ Technical Tours & Local Visits
- ✚ Member of Academic Council of the Institution
- ✚ Member of BOS & Student Affairs

Areas of Specializations:

- Mechanics of Composite Materials
- Machining of Composite Materials
- Finite Element Method
- Design of Machine Members
- Mechanical Vibrations

R& D Activities:

Co- Investigator for AICTE- RPS Sanctioned Programme “**Center for the Design and Development of Composite materials.**”

LIST OF TECHNICAL PUBLICATIONS

REFEREED NATIONAL JOURNAL PUBLICATIONS

1. B.Sidda Reddy, **Syed Altaf Hussain** have published a paper entitled “Application of Response Surface Methodology for the machining of Aluminum alloys using carbide cutting tool” in Journal of Future Engineering & Technology, I-Managers Publications, Vol 3, No.2 November 2007- January-2008.
2. K. Palanikumar, **Syed Altaf Hussain**, and V. Pandurangadu have published a paper entitled “A Genetic Algorithmic Approach for Optimization of Surface Roughness Prediction Model in Machining of GFRP Composites” in ICFAI University Journal of Mechanical Engg Vol 1, No.1, PP 28-38 May-2008.
3. **Syed Altaf Hussain**, and B. Sidda Reddy have published a paper entitled “Optimization of Surface Roughness Prediction Model using Genetic Algorithm in “Industrial Engineering Journal” Vol .01 & Issue No.06, PP 18—21, Dec-2008.

4. **Syed Altaf Hussain**, B. Sidda Reddy and A.V. Hari Babu have published a paper entitled "Prediction of Engineering Constants of GFRP Angle Lamina in I-Manager Journal of Future Engineering., Vol.4, No.2, PP 66-71, Nov 08- Jan 09 issue.
5. **Syed Altaf Hussain** G. Venkata subbaiah and V. Pandurangadu have published a paper entitled "Performance and emission characteristics of a Supercharged direct injection diesel Engine using rice bran oil in I-Manager's Journal of Future Engineering., Vol.4, No.4, PP 48-53, May09- July 09 issue.
6. **Syed Altaf Hussain**, K. Palani Kumar, and V. Pandurangadu have published a paper entitled "Response Surface Methodology Tool for predicting Engineering Constants of Glass fiber Reinforced Composite Angle Lamina" In The IUP Journal of Mechanical Engineering, Vol.III, No.3, PP 58-71, August-2010.

REFEREED INTERNATIONAL JOURNAL PUBLICATIONS

7. **Syed Altaf Hussain**, Sidda Reddy.B and Nageswara Reddy.N, have published a paper Entitled "Prediction of Elastic Properties of FRP Composite Lamina For Longitudinal Loading in ARPN Journal of Engineering and Applied Sciences, Vol.3, No.6, pp. 71-75, December-2008. **Impact Factor: 0.4621**. ISSN 1819-6608 **[SCOPUS INDEXED]**
8. **Syed Altaf Hussain**, Pandurangadu.V and Palanikumar.k have published paper Title "Surface Roughness Analysis in Machining of GFRP Composites by Carbide Tool (K20)" in European Journal of Scientific Research, Vol.41 No.1 Feb.(2010), pp.84-98. H-Index-16. ISSN 1450-216X /1450-202X **[SCOPUS INDEXED]**
9. **Syed Altaf Hussain**, Palani Kumar.K, V. Pandurangadu.V have published a Paper Entitled "Optimal Machining Parameters for Minimal Surface Roughness in Turning of GFRP Composites by PCD Tooling" in International Journal of Applied Engineering Research, Vol. 5, No. 13 (2010) pp. 2227–2239. ISSN 0773-4562 (Print) ISSN 1087-1090 (Online) **[SCOPUS INDEXED]**
11. Venkata Subbaiah.G, Raja Gopal.K, **Syed Altaf Hussain**, Durga Prasad.B & Tirupathi Reddy.K have published a paper Entitled "Rice Bran Oil Biodiesel As An Additive In Diesel- Ethanol Blends For Diesel Engines" in International Journal of Research and Reviews in Applied Sciences.No.3, June (2010), pp334- 342. ISSN: 2076-734X.
12. Venkata Subbaiah.G, Raja Gopal. K, **Syed Altaf Hussain**, have published a paper Entitled "The Effect of Biodiesel and Bio-ethanol Blended Diesel Fuel on the Performance and Emission Characteristics of a Direct Injection Diesel Engine" in Iranica Journal of Energy & Environment 1 (3): pp 211-221, 2010. ISSN : 2079-2115.
13. **Syed Altaf Hussain**, Pandurangadu.V, Palanikumar.K and Prathibha Bharathi. V.V have published paper entitled "A predictive model of cutting force in turning of GFRP tubes using fuzzy logics and Response surface techniques" in an International Journal of Applied Engineering Research.Vol.5, No.20, 2010, pp. 3341-3355. ISSN 0773-4562 (Print), ISSN 1087-1090 (Online) **[SCOPUS INDEXED]**
14. **Syed Altaf Hussain**, Pandurangadu.V, Palanikumar.K have published paper entitled "A Predictive Model for Surface Roughness in Turning Glass Fiber Reinforced Plastics by CBN Tool Using Fuzzy Logics" in an International journal of Industrial Engineering and Technology Vo. 2, Number. 1, (2010), pp. 301-311. ISSN 0974 – 3146.

15. **Syed Altaf Hussain**, Pandurangadu. V, Palanikumar.K have published paper entitled "Machinability of glass fiber reinforced plastics (GFRP) Composite materials in an International Journal of Engineering, Science and Technology (IJEST), Vol. 3. No.4, 2011, pp. 103-118. ISSN: 0975-5462 (online version), ISSN: 2278-9510 (Print version).
16. **Syed Altaf Hussain**, Pandurangadu. V, Palanikumar.K have published paper entitled "Cutting power prediction model for turning of GFRP composites using response Surface methodology" in an International Journal of Engineering, Science and Technology (IJEST), Vol. 3., No.6., 2011., pp. 161-171. ISSN 2141-2839 (Online), ISSN. 2141-2820 (Print).
17. **Syed Altaf Hussain**, Pandurangadu.V, Palanikumar.K have published paper entitled "Mechanical properties of Green coconut fiber Reinforce HDPE polymer composite" in an International Journal of Engineering Science and Technology Vol. 3, No.11. 2011, pp. 7942-7952. ISSN: 0975-5462 (online version), ISSN: 2278-9510 (Print version).
18. **Syed Altaf Hussain**, Pandurangadu.V, Palanikumar.K and Prathibha Bharathi.V have published a paper entitled "A Predictive model for surface roughness in Turning Glass fiber Reinforced Plastics by Carbide Tool (K20) using soft computing. Jordon Journal of Mechanical and Industrial Engineering, Vol.5, No.5, Oct-2011, pp. 433-438. Impact factor: 0.6921. ISSN 1995-6665. [\[SCOPUS INDEXED\]](#)
19. **Syed Altaf Hussain**, Pandurangadu. V, Palanikumar.K have published a paper entitled "Mechanical Properties of Short bamboo fiber reinforced polyester composites filled with Alumina particulate" IRACST- Engineering Science and Technology: An International Journal Vol.2, No.3, June 2012, pp. 449-453. ISSN 2250-3498.
20. Raghavendra. M, **Syed Altaf Hussain** , Pandurangadu.V and Palanikumar.K have published a paper entitled "Modeling and Analysis of laminated leaf spring under static loading condition using FEA" International Journal of Modern Engineering Research (IJMER), Vol.2, issue 4, July-Aug 2012, pp. 1875-1879. ISSN 2249-6645.
21. Siva Prasad V, **Syed Altaf Hussain**, Pandurangadu.V and Palanikumar.K have published a paper entitled "Modeling and Analysis of spur gear for suger cane juice machine under static load condition using FEA" International Journal of Modern Engineering Research (IJMER), Vol.2, issue 4, July-Aug 2012, pp. 2862-2866. ISSN 2249-6645. {Citation No:1}
22. Ravi Chandra. M, Srinivasulu. S and **Syed Altaf Hussain** have published a paper entitled "Modeling and Structural Analysis of Heavy vehicle Chassis made of polymeric composite material by three different sections" International Journal of Modern Engineering Research (IJMER), Vol.2, issue 4, July-Aug 2012, pp. 2594-2600. ISSN 2249-6645.
23. K.Sudershan Kumar,.Dr. K.Thirupathi Reddy, **Syed Altaf Hussain**, Modeling and analysis of two wheeler connecting rod, International Journal of Modern engineering Research(IJMER), Vol.2,Issue-5,Sept-Oct. 2012, pp- 3367-3371. ISSN 2249-6645.
24. **Syed Altaf Hussain**, Ravi Chandra and Mr.Srinivasulu.S Modeling and Structural Analysis of Heavy vehicle Chassis made of polymeric composite material by three different sections, International Journal of Modern Engineering Research, Vol.2, issue 4, , pp. 2594-2600, July-Aug 2012. ISSN 2249-6645.
25. C. Naresh, S. Vikarnt Deepak, and **Syed Altaf Hussain** "Modeling and analysis of Alloy Wheel for Four wheeler vehicle", Int. J. Mech. Eng. & Rob. Res. Oct.2012, Vol.1, No.3, pp.72-80.

26. Syam Prasad. A **Syed Altaf Hussain** and Pandurangadu.V have published a paper entitled "Micro-Mechanical Analysis of FRP composites" In an international journal of Mechanical Engineering and Technology Volume 4, Issue 2, March - April (2013), pp. 272-285. Impact Factor: 5.7731. ISSN 0976 – 6340.
27. **Syed Altaf Hussain**, Pandurangadu.V, and Palanikumar.K have published a paper entitled "Prediction of Engineering constants of Carbon T300/ Epoxy composite using soft computing" International Journal of Innovative Research in Science, Engineering and Technology, Vol.2, Issue. 7, July 2013, pp 2762-2770. ISSN 2319-8753.
28. Bhargavi Devi.S, **Syed Altaf Hussain**, Tirupathi Reddy and Sudha madhuri.K have published a paper entitled "Characterization of Hybrid Polymer Composites" International Journal of Engineering Research and Science & Technology, Vol. 2, issue.4. 2013, pp. 153-170. ISSN 2278-0181.
29. Keerthi. N, **Syed Altaf Hussain** have published a paper entitled "Modeling and Analysis of Machining characteristics of En-8 Steel in Drilling Process" International Journal of Engineering research & Technology (IJERT), Vol. 2, Issue. 11, 2013, pp. 1515-1523. ISSN 2278-0181.
30. Chandana.E, **Syed Altaf Hussain** have published a paper entitled "Thermal Conductivity Characterization of Bamboo fiber Reinforced in Epoxy Resin" IOSR journal of Mechanical and Civil Engineering, Vol. 9, No.6, 2013, pp.07-14. e ISSN 2278-1684.
31. **Syed Altaf Hussain**, Pandurangadu.V, and Palanikumar.K have published a paper entitled "Optimization of Surface Roughness in Turning of GFRP composites Using Genetic Algorithm" International Journal of Engineering, Science and Technology (IJEST), Vol. 6, No.1, 2014, pp.49-57. ISSN: 0975-5462 (online version), ISSN: 2278-9510 (Print version).
32. Nageswara Reddy, V. Sivaiah and **Syed Altaf Hussain**, "Simulation studies on the effect of projectile nose shape impacting on aluminum plates, Int. J. Mech. Eng. & Rob.Res., Vol3, No.1, January 2014.
33. **Syed Altaf Hussain**, Palanikumar.K and Pandurangadu.V, have published a paper entitled "Grey relational analysis to determine the optimum process parameters in turning of GFRP composites", Elixir Mechanical Engineering, Vol. 70, 2014, pp. 23822-23828. ISSN 2229-712X.
34. **Syed Altaf Hussain**, Pandurangadu.V, and Palanikumar.K have published a paper entitled "Multiple Performance Optimization in Turning of GFRP Composites using Fuzzy logic in International Journal of Engineering Research (IJER), Vol. 3, Issue: Special 1, 2014, pp.106-111. ISSN: 2319-6890) (online), 2347-5013(print).
35. **Syed Altaf Hussain**, Pandurangadu.V, and Palanikumar.K have published a paper entitled "Vibration Analysis of Laminated Composite Plates with Holes" International Journal of Engineering Science & Research Technology, Vol. 3 (7), July 2014, pp 329-334. ISSN: 2277-9655, Scientific Journal Impact factor: 3.449.
36. Hari Kumar. V, **Syed Altaf Hussain** and K. Thirupathi Reddy have published a paper entitled "Investigation of Mechanical Properties of a Metal Matrix composite (Al/TiC)" International Journal of Research in Mechanical Engineering, Vol. 2, issue.6, Nov-Dec 2014, pp. 37-42. ISSN: 2347-5188.
37. Syed Altaf Hussain, Palanikumar and Gopala Krishna. A have submitted a paper entitled "Fuzzy Rule Based Optimization of Multiple Responses in Turning of GFRP

Composites” International journal of Applied Science and Engineering (IJAST), Vol.74, Jan-2015, pp. 25-34. ISSN: 2005-4238.

38. Syed Altaf Hussain PalaniKumar.K and Pandurangadu.V have published a paper entitled “Machining parameter optimization in Turning of GFRP composites by Desirability function Analysis embedded with Taguchi Method” International Journal of Machining and Machinability of Materials (IJMMM), Vol.17, No.2, pp.95-107, 2015. **[SCOPUS INDEXED]**
39. Chandra Sekhar V, Syed Altaf Hussain, Pandurangadu V, and T. Subba Rao have published a paper entitled “Grey Relational Analysis to Determine optimum process parameters of Emu feather fiber reinforced epoxy composites” International journal of Engineering Technology and Advanced Engineering, Vol. 5, Issue 8, Aug.2015.
40. V. Chandra Sekhar, **Dr S. Altaf Hussain**, Dr V. Pandurangadu, Dr T. Subbarao Properties of Emu Feather Fiber Composites, international journal of Engineering Research and Applications, 2015, Vol. 5, pp. 41-47. Impact factor 1.324.
41. V. Chandra Sekhar, **Dr S. Altaf Hussain**, Dr V. Pandurangadu, Dr T. Subbarao Effect of Fiber loading on Mechanical Properties of animal fiber reinforced poly propylene composites, S S international Journal of Multi disciplinary Research, 2015, Vol.2, pp. 19-23. Impact factor 1.38 **[UGC APPROVED]**
42. V. Chandra Sekhar, **Dr S. Altaf Hussain**, Dr V. Pandurangadu, Dr T. Subbarao, Comparison of Mechanical Properties of emu Feather fiber reinforced polymer composites, S S international Journal of Multi disciplinary Research, 2015, Vol.2, pp. Impact factor 1.38 [UGC APPROVED]
43. V. Chandra Sekhar, **Dr S. Altaf Hussain**, Dr V. Pandurangadu, Dr T. Subbarao, Effect of fiber length and fiber loading on impact strength of emu feather fiber epoxy composites, international journal of Emerging Technology and Advanced Engineering, 2015, Vol.5, Impact factor 2.324. **[UGC APPROVED]**
44. **Syed Altaf Hussain**, Pandurangadu.V, and Palanikumar.K have published a paper entitled “ Optimization of Mechanical properties of Green coconut fiber/ HDPE composites” International Journal of Advanced Science and Technology, Vol. 92, pp. 1-8, 2016, ISSN : 2005-4238.
45. P. Naresh , Dr. Syed Altaf Hussain and B. Durga Prasad have published a paper entitled “A Review on Multiple Responses Process Parameters Optimization of Turning of Al-TiC_p Metal matrix Composites” Journal of Achievements in materials and Manufacturing Engineering, issue 1, vol.80, pp 32-40, DOI No.10.5604/01.3001.0010.1445,2017.

INTERNATIONAL CONFERENCES

1. **Mr. Syed Altaf Hussain**, K. Palani Kumar, V. Pandurangadu and B. Sidda Reddy have presented a paper Entitled “ Prediction of Engineering Constants of GFRP Angle Lamina” at International Conference on Emerging Research Advances in Mechanical Engineering held at Velammal Engineering College, Chennai-600006, from 19th -21st March,2009. Page No. 460-466.
2. **Syed Altaf Hussain**, G. Venkata Subbaiah, K. Raja Gopal, P. Venkateswara Rao, “Performance and Emission Characteristics of a Supercharged Direct Injection Diesel Engine Using Rice Bran Oil”, Proc. of the International Conference on “Emerging Research and Advances in Mechanical Engineering”, ERA 2009, Velammal Engineering College, Chennai – 600 066, Tamil Nadu, India, PP.54, 19-21, March, 2009.

3. V. Chandra Sekhar, **Dr S. Altaf Hussain**, Dr V. Pandurangadu, Dr T. Subbarao, have published a paper entitled “Effect of Fiber loading on Mechanical Properties of animal fiber reinforced poly propylene composites”, INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ENGINEERING & RESEARCH, 7th Oct 2015, organized by VRS & YRN Engineering College, Chirala.

NATIONAL CONFERENCES

1. **Syed Altaf Hussain** and B.Sidda Reddy have presented a paper entitled “Optimization of surface roughness prediction Models using Genetic Algorithm” at All India seminar on Emerging Trends in Mechatronics & Instrumentation held on 20-30th June 2007 at the Sri Venkateswara University College of Engg, Tirupathi. (Paper-01 & page-1).
2. B. Naarayana Swamy, Y. Suresh babu, **Syed Altaf Hussain** and K. Thirupathi Reddy have presented a paper entitled “ An Investigation of Mechanical Properties of Sugar cane rind and coconut shell powder reinforced polymer composites at MITS-Madnapalli.
3. V. Chandra Sekhar, **Dr S. Altaf Hussain**, Dr V. Pandurangadu, Dr T. Subbarao, have published a paper entitled “Effect of fiber length and fiber loading on tensile properties of emu feather fiber epoxy composites”, 3rd NATIONAL CONFERENCE ON RECENT TRENDS IN MECHANICAL ENGINEERING, organized by SVCET, Chittoor, on 19th-20th Dec 15.
4. M. Khaja Gulam Hussain, **Syed Altaf Hussain** have presented a paper entitled “Modeling and Optimization of machining Parameters in Drilling of EN8 Steel” National conference on Recent Advances in Mechanical Engineering at SVCET- Chittoor on 19.12.2015.
5. T. John babu, **Syed Altaf Hussain** have presented a paper entitled “Optimization of machining Parameters in Drilling Aluminium-6082 alloy Metal Matrix Composites” National conference on Recent Advances in Mechanical Engineering at SVCET- Chittoor on 19.12.2015.

DECLARATION

All the above mentioned information is true to the best of my knowledge and belief.

(S/d)

Dr Syed Altaf Hussain