

RESUME

MOHD TOUSEEF AHMED

16-114/2, Near NanapaneniKalyan
Mandapam, ZandaChettustreet,
Nambur, PedakakaniMandal,
Guntur (Dst.)

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OBJECTIVE

To work and grow in a highly focused and motivated environment to achieve the set objective by developing personal and interpersonal skills and prove myself worthy in the uplift of the organization and the Society.

EDUCATIONAL QUALIFICATIONS

- Submitted the **PhD** at Osmania University (31st March 2022). Completed Pre-PhD and Pre-submission and published three papers, presented a paper in International Conference and two copyrights are registered.
- **MBA** (HRM) (2010-2012), Acharya Nagarjuna University, Guntur
- **M.E** (CAD/CAM) (2009-2011), MVSR Engineering College, Osmania University with Aggregate **72%**
- **B.E** in Mechanical Production Engineering (2005-2009), Deccan College of Engineering & Technology, Osmania University with Aggregate **64%**
- **Intermediate** in M.P.C. from S.S.P Junior College, Guntur (2003-2005) with Aggregate **73%**
- **S.S.C** from J.M.J English Medium School, Nambur (2001-2003) with Aggregate **70%**

WORK EXPERIENCE

Name of the University: **Acharya Nagarjuna University**

Designation : **Assistant Professor, Department of Mechanical Engineering.**

Work Experience : August 2012 to till date. (10 Years 5 months)

OTHER - TECHNICAL COMMITTEE MEMBER/ PROFESSIONAL MEMBERSHIPS

Coordinator	: Startup & Innovation Cell
Training & Placement Officer	: Placement Cell
Andhra Pradesh Higher Education	
Planning Board-Guntur Region Cluster	: Research Committee member
In-charge	: Internships & Industrial Visits
Society Membership	: Life Member of SFA, India (FLM-SFA-0561)
SPOC	: Dassault's 3D Experience Center, Applied Robotics Control lab, Skill College-ANU-AP
Number of M.Tech Projects Guided	: 16+2*
Number of B.Tech Projects Guided	: 19+2*

AWARDS & APPRICIATIONS RECIEVED

1. Received a letter of appreciation for participating and winning a prize in Advanced Data Science Hackathon.

2. Given a Lecture as a Resource person in a National Seminar on “Women Entrepreneurship and Skill development: Issues, challenges & Developments” at DNR College of Engineering & Technology, Bhimavaram on 8th march 2022.
3. Received certificate of participation for Internshala Annual Rankings 2021, Congratulating on rankings 110 among 1100+ participating colleges all over India.
4. Received a gold medal and a certificate as best TPO by KarmSarathi, an NGO with Registration number:208 of 2019
5. Nominated for iB Hubs Super 30-a nationwide initiative to honor inspiring teachers across India.
6. A token of appreciation as a Top Career Builder presented by Alines Group ‘Intelligent Living’.
7. Received an appreciation and Memento from IT Minister of Andhra Pradesh for organizing Electrothon-2018
8. Received a Memento & Certificate for exhibiting the innovative projects and Startup Apps at 104th Indian Science Congress, Tirupati on behalf of Acharya Nagarjuna University.

PATENTS

1. I have attained a Design patent for Designing a Boat for Chain Dragging in Aqua- farms. Design No-329718-001, date-01/06/2020 and Date of issue 29/04/2021.
2. Filed a Design Patent for A DEVICE TO REMOVE AND COLLECT WATER HYACINTH on 8th June 2021 Ref. No/Application No- 344392-001 was accepted and certificate under process.
3. Filed a Design Patent for 344393-001 BEACH CLEANING MACHINE on 8th June 2021 Ref. No/Application No- 344393-001 was accepted and certificate under process.

COPYRIGHT

1. Applied copyright for Matlab code, Md. Touseef Ahamad, Dr. A. Seshu Kumar, Prof. A.M.K Prasad. “Modeling of Thermal Runaway of Dinitrotoluene to Trinitrotoluene”, Diary No-6624/2022-CO/SW, filing date: 28-03-2022, Copyright office, Government of India.
2. Applied copyright for Matlab code, Md. Touseef Ahamad, Dr. A. Seshu Kumar. “Modeling of Thermal Runaway of Ammonium Nitrate Decomposition”, Diary No-6721/2022-CO/SW, filing date: 29-03-2022, Copyright office, Government of India.

RESEARCH WORK

Title- Modeling of Thermal Runaway of Dinitrotoluene to Trinitrotoluene, Ammonium Nitrate Decomposition and Trinitrotoluene Equivalence*

Publications:

1. TouseefAhamad M., Seshu Kumar A., Prasad A.M.K. (2020) Mathematical Prediction of Thermal Runaway Conditions During the Nitration of DNT to TNT. In: Vijayaraghavan L., Reddy K., JameelBasha S. (eds) Emerging Trends in Mechanical Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-32-9931-3_54
2. Touseef Ahamad Md, Prof. Prasad A. M. K and Dr. Seshu Kumar, A. (2021). “Mathematical Prediction of Thermal Runaway Conditions of Ammonium Nitrate Decomposition” 6(3), International Journal of Mechanical Engineering, ISSN: 0974-5823, pp.2871-2878. Vol. 6 No. 3 (December, 2021)
3. **Md. TouseefAhamad** Prediction of Runaway during the Nitration of DNT to TNT

RESEARCH INTEREST

Manufacturing, CFD, Thermo Fluids, Composite Materials, FEA, Engineering Mechanic & Bio-Mechanics, Unmanned Aerial Vehicles.

INTERNATIONAL PAPERS PUBLISHED IN SCOPUS INDEXED JOURNALS

1. **Md. Touseef Ahamad**, Syed Khaja Naimuddin etc. "Wear Behaviour of Welded and Non-Welded samples of Friction Stir Welding of Similar and Dissimilar Joints of Aluminium Alloys (AA6061-AA6061), (AA6082-AA6082) & (AA6061-AA6082) Under T6 Condition", *ISSN Online: 0976-6359, International Journal of Mechanical Engineering and Technology (IJMET) Volume 7, Issue 4, July-Aug 2016, pp.289-299.*
2. **Md. Touseef Ahamad**, "Modeling and Manufacturing Of Green Go-Kart" *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 7, Issue 3, Jun 2017, 233-248*
3. **Md. Touseef Ahamad**, G. Ashok reddy etc. "Effect of Hardener size and content in self setting sand systems-A Nishiyama Approach", *Materials today, Proceedings, Volume 18, Issue P1, 2019, ISSN 2214-7853.*
4. **Md. Touseef Ahamad**, Dr. A Seshu Kumar, Prof. AMK Prasad." Mathematical Prediction of Thermal Runaway Conditions During the Nitration of DNT to TNT', *Emerging Trends in Mechanical Engineering, Ebook IISN 978-981-329-931-3, Series IISN 2195-4356, Springer Singapore.*
5. **Md. Touseef Ahamad**, Deepthi M. (2020) "Clean Development Mechanism and Green Economy". In: Ghosh S. (eds) *Waste Management as Economic Industry Towards Circular Economy*. Springer, Singapore, 14 March 2020. https://doi.org/10.1007/978-981-15-1620-7_5
6. Touseef Ahamad Md, Prof. Prasad A. M. K and Dr. Seshu Kumar, A. (2021). "Mathematical Prediction of Thermal Runaway Conditions of Ammonium Nitrate Decomposition" 6(3), *International Journal of Mechanical Engineering*, ISSN: 0974-5823, pp.2871-2878. Vol. 6 No. 3 (December, 2021)

INTERNATIONAL PAPERS PUBLISHED UGC & OTHER JOURNALS

1. Bonam Jagadeesh, Md. Touseef Ahamad "Design And Structural Analysis of Chain Dragging Boat Frame" *The International journal of analytical and experimental modal analysis* Volume XI, Issue VIII, August/2019, Page No: 2116-2122, ISSN NO: 0886-9367.
2. Ch. Bharath, K. Sreedevi, Md. Touseef Ahamad "Modelling And Simulation of Fire Alarm Protector By Using Plastics" *The International journal of analytical and experimental modal analysis* Volume XI, Issue VIII, August/2019, Page No: 2123-2130, ISSN NO: 0886-9367
3. G. Venkateswarlu, T. Suseela, Md. Touseef Ahamad "Design And Analysis of Kinematic And Morphological Aspects of Biomechanics Of The Human Lumbar Spine" *The International journal of analytical and experimental modal analysis* Volume XI, Issue VIII, August/2019, Page No: 2131-2139, ISSN NO: 0886-9367
4. M. Sindhuja¹, Md. Touseef Ahamad², Dr. P. C. Jain³, P. Narendra Mohan⁴, B. PurnaChandhra Sekhar⁵ "Stress and Buckling Based Design for a Hemispherical Dome" *International Journal for*

Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor:6.887 Volume 5 Issue VIII, August 2017

5. B. Tejasree¹, Md. Touseef Ahamad², Abhishek kumar³, P. Narendra Mohan⁴, B. Purna Chandra sekhar⁵ "Formability of Copper Sheet Metal in Deep Drawing" International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor:6.887 Volume 5 Issue VIII, August 2017
6. **Md. TouseefAhamad**, Syed KhajaNaimuddinect. "Analysis of Wear Behaviour of the Friction Stir Welded Joints with Varying Track Diameters for Non-Welded and Welded Samples" ISSN (Print) : 0974-6846, ISSN (Online) : 0974-5645 *Indian Journal of Science and Technology*, Vol 9(41), DOI: 10.17485/ijst/2016/v9i41/100936, November 2016.
7. **Md Touseef Ahamad**, Syed Khaja Naimuddin, Mechanical Properties of Friction Stir Welding Joints of Similar & Dissimilar Aluminium Alloys Aa6061 & 6082. ISSN Print: 0976-6340 and ISSN Online: 0976-6359, *International Journal of Mechanical Engineering and Technology*, 7(4), 2016, pp. 256–266.
8. **Md. Touseef Ahamad**, Syed Khaja Naimuddin etc. "Wear Behaviour of Welded and Non-Welded samples of Friction Stir Welding of Similar and Dissimilar Joints of Aluminium Alloys (AA6061-AA6061), (AA6082-AA6082) & (AA6061-AA6082) Under T6 Condition", *ISSN Online: 0976-6359, International Journal of Mechanical Engineering and Technology (IJMET) Volume 7, Issue 4, July–Aug 2016, pp.289–299.*
9. **Md. TouseefAhamad** Prediction of Runaway during the Nitration of DNT to TNT Mathematically-A Review *ISSN[ONLINE]: 2395-1052, IJSART - Volume 2 Issue 8 –AUGUST 2016, pp.68-70*
10. **Md. TouseefAhamad**, A.Rama Devi etc. "Metallurgical Characterization of Friction Stir Welding Joints of AA6061-AA6061, AA6061-AA6082 & AA6082-AA6082 Under T6 Condition", *ISSN[ONLINE]: 2395-1052, IJSART - Volume 2 Issue 8 –AUGUST 2016, pp. 71-76.*
11. **Md. TouseefAhamad**, K.Danaiah etc. "Parametric Optimization of Wear Behavior of Friction Stir Welded Dissimilar Joints Aluminum Alloys (AA6061 – AA6082)", *ISSN [ONLINE]: 2395-1052, IJSART - Volume 2 Issue 8 –AUGUST 2016, pp.83-89.*
12. **Md. TouseefAhamad**, V.Venkatesu etc. "Markov Chain Analysis of Pitting Corrosion in Underground Gas Transmission Pipelines to Prevent from the Failures", *ISSN [ONLINE]: 2395-1052, IJSART - Volume 2 Issue 8 – AUGUST 2016, pp 77-82*
13. **Md. TouseefAhamad**, B.V.V.NagaSudhakar etc. "Modeling and simulation of Convergent-Divergent Nozzle Using Computational Fluid Dynamics", e-ISSN: 2395 -0056, *IRJET- Volume: 03 Issue: 08 - Aug-2016, pp.346-350.*
14. **Md. TouseefAhamad**, M.Dinesh Kumar etc. "Static Analysis of Wheel Rim Using CATIA AND ANSYS16.0", e-ISSN: 2395 -0056, *IRJET-Volume: 03 Issue: 07 - July-2016, pp.2256-2261.*
15. **Md. TouseefAhamad**, P.Anil Kumar etc. "Design and Modal Analysis of Turbine Compressor Blade by FEM", *IRJET-Volume: 03 Issue: 09 - September-2016.*
16. **Md. TouseefAhamad**, K.Sowmya Joshi etc. "Recycling and Analysis of Spent Engine Oil", *ISSN 2229-5518, Volume 6, Issue 11, International Journal of Scientific & Engineering Research (IJSER), November-2015, pp. 711-717.*

LIST OF PAPERS PRESENTED IN CONFERENCES

1. Presented a paper in 11th IconSWM-CE & IPLA Global Forum 2021 held from Dec 01-04, 2021
2. Presented a paper in 10th IconSWM-CE 2020 held from Dec 2-7, 2020

- Presented a paper on Mathematical Prediction of Thermal Runaway Conditions During The Nitration Of DNT To TNT, ICETME-2018, December 20-22, 2018, at Srinivasa Ramanujan Institute of Technology (SRIT), Ananthapur, Andhra Pradesh, India
- Presented a paper on Clean Development Mechanism and Green Economy, 8thIconSWM 2018, November22-24, 2018, at Acharya Nagarjuna University (ANU), Guntur, Vijayawada, Andhra Pradesh, India
- Presented a paper on Effect Of Hardener Size And Content In Self Setting Sand Systems – A Nishiyama Approach, G.AshokReddy, MdTouseefAhamadb, M.GopiKrishnab, NRMR Bhargavac at ICAMME-2018 at Acharya Nagarjuna University, 22-24 Jan 2018*
- Presented a paper on “Analysis of Wear Behaviour of Welded and Non-Welded Samples of Friction Stir Welding with Varying Track Diameter” 2nd International Conference on Design, Analysis, Manufacturing & Simulation, ICDAMS 2016, 7-8 April 2016

LIST OF CONFERENCES ATTENDED

- Attended five days Technology Transfer & Commercialisation Training from 13-17th September, 2019 at Hyderabad conducted by DBT-NBM, BIRAC and STEM .
- Attended a “TRUST” CGIAR platform for BIG Data in Agriculture from 16-18th October 2019 at ICRISAT, Patancheru, Hyderabad. Conducted by International Centre for Tropical Agriculture (CIAT) and the International Food Policy Research Institute (IFPRI).
- Attended an AGRI PRENEURSHIP (SANKALP-2020) held virtually from 30-01-2021-06-03-2021 organized by ANGRAU-AIED Cell, RARS, Tirupati.

COURSES TAUGHT

Course Number & Title	UG Level / PG Level	Year taught
ME107/ME114/ME124- Engineering Mechanics	UG Level	2012,2013,2014,2015,2016,2017,2018 , 2020, 2021, 2022
ME108/ME116/ME126-Engineering Drawing	UG Level	2012,2013,2014,2015,2016,2017,2018 ,2019,2020,2021, 2022
ME213-Mechanics of Materials-I	UG Level	2012,2013,2014,2015, 2016,2017,2018,2019,2020, 2021, 2022
ME223-Mecahnics of Materials-II	UG Level	2012,2013,2014,2015, 2016,2017,2018,2019,2020, 2021, 2022, 2023
ME323-Machine Dynamics	UG Level	2016
ME326- Design Thinking for Innovation	UG Level	2023
ME416/ME413/MD612/MD512- Finite Element Analysis	UG Level /PG Level	2013,2014,2015,2016,2017,2018,2019 ,2020, 2021, 2022, 2023
MD525/MD621- Mechanics of Composite Materials	PG Level	2014,2015,2016,2017,2018,2019, 2020, 2021, 2022
AR115- Structural Mechanics-I (Guest Faculty at College of Architecture & Planning, ANU)	UG Level	2013,2014,2015,2016
AR125- Structural Mechanics-II (Guest Faculty at College of Architecture & Planning, ANU)	UG Level	2013,2014,2015,2016

PARTICIPATION IN UNIVERSITY& OTHER ACTIVITEIES

1. Exhibited an Innovative product Agroprobe at Innovation Bazaar at TRUST' CGIAR platform for BIG Data in Agriculture from 16-18th October 2019 at ICRISAT, Patancheru, Hyderabad. Conducted by International Center for Tropical Agriculture (CIAT) and the International Food Policy Research Institute (IFPRI).
2. Zonal Coordinator for organizing a Electrothon-2018 a state level hackathon at our university organized by Government of Andhra Pradesh.
4. In-charge for one of the Seminar Hall for organizing Sessions at the 100th IEA conference at ANU.
5. Given a Project Demonstration and Presentation at North Eastern Space Application Centre, Umima, Meghalaya.
6. Participated as a Mentor at SheBuildsTechGirls Hackathon at Vizag along with our students.
7. Modeled and Manufactured a Green Go Kart a Solar Go Kart.
8. Organizing member for One week FDP on Recent advances in metal matrix composites from 21-25, January, 2019 at Acharya Nagarjuna University sponsored by UGC
9. Organizing member for International Conference on Advances in Materials & Manufacturing Engineering, ICAMME-2018, 24-25th January 2018, sponsored by UGC.
10. Exhibited an innovative projects and Startup Ideas at StartAP-2017 fest at Vijayawada.
11. Exhibited the innovative projects and Startup Apps at 104th Indian Science Congress on behalf of Acharya Nagarjuna University.
12. One of the team members from the university to participate and doing the NAAC work during 2016.
13. Coordinator from Department of Mechanical Engineering for organizing industrial visits for UG-students.
14. Time-Table In-charge to prepare all the Time-Tables for UG/PG Students
15. Observer and Rout Officer for AP EAMCET-2013, 2014 & 2016
16. Observer for GPAT-2014
17. Observer for JEE MAINS-2016 and UGC NET-2016, UGC NET-2017.
18. Organizing member for UGC Sponsored national seminar on Advances in Metal Matrix Composites-2014, 2015
18. Faculty Coordinator for ANUSODHANA 2018, 2019 a National Level Student Technical Symposium at ANUCET, ANU

TECHINACAL SKILLS

- Programming Language : C, C++.
- Technical Software : Solid Works, ANSYS, AUTOCAD, PRO-E, ABAQUS and MATLAB
- Application Packages : Microsoft Office

COURSE DONE

TITLE : QC & EI (QUALITY CONTROL & ENGINEERING INSPECTION)
INSTITUTE : DONE AT ATI (ADVANCE TRAINING INSTITUTE), VIDYA NAGAR, HYDERABAD.

PERSONAL SKILLS

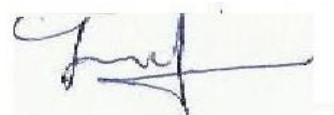
- 1 I am organized & planned and self-confident.
- 2 Comprehensive problem solving abilities, ability to deal with people Efficiently
- 3 Willingness to learn and Team facilitator
- 4 Highly efficient & Hardworking

PERSONAL DOSSIER

Father's Name : Mohammed Razack
Address : F.No-102, Prasanka Classic, Near Noor Anwar,
IndraNagar, Vijaya Nagar Colony, Hyderabad.
Date of Birth : 23/08/1987
Passport no : H3621935.
Languages Known : English, Hindi, Telugu and Urdu
Nationality : Indian
Marital Status : Married

Contact Information of The Referees

1. Dr. A. Seshu Kumar.
Senior Principal Scientist and Head
Engineering Service Division
CSIR, IICT, Hyderabad.
Mobile No: 9440802791, E-mail: seshu.avadhanam@gmail.com
2. Dr. M.Madhavi
Professor & HOD,
Department of Mechanical Engineering
MVSR Engineering College.
Hyderabad.
Mobile No: 9642043570, E-mail: hod_mech@mvsrec.edu.in
3. Prof. E. Sreenivasa Reddy., Ph.D.,
Principal,
University College of Engineering & Technology,
Acharya Nagarjuna University, Guntur.
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Date: 14/01/2023

Place: Guntur

Mohd. Touseef Ahmed.