

CURRICULUM VITAE

NAME: MOHAMMAD HASHEER SHAIK

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CAREER OBJECTIVE

Aim to be placed in a challenging organization that gives me scope to update my knowledge & skills in accordance with the latest trends and be a part of team that dynamically works towards growth of Organization thereof.

ACADAMIC RECORD

Qualification	Institution	Year of Passing	Percentage
M.E. (Heat transfer in Energy systems)	Andhra University College Of Engineering	2011	8.11(CGPA)
B.Tech (Mechanical Engg.)	R.V.R&J.C college of ENGG.	2009	74.26%
Ph.D., (Mechanical Engg.)	Acharya Nagarjuna University	2021	-----
Intermediate	Vivekananda intensive junior college	2005	88.10%
Board of secondary Education	St. Charles high school	2003	82.16%

Professional Experience:

Address of the Institution	Post Held	Duration	Nature of Experience
R.V.R & J.C. College of Engineering, Guntur, Andhra Pradesh	Associate Professor	Since July-2023	(i) Taught courses to the students of B.Tech.(Mech. Engg). programs (ii) Administrative works
R.V.R & J.C. College of Engineering, Guntur, Andhra Pradesh	Assistant Professor	June 2013- june 2023	(i) Taught courses to the students of B.Tech.(Mech. Engg). programs (ii) Administrative works
Bapatla Engineering College,Bapatla	lecturer	1 years (2012-13)	Taught courses to the students of B.Tech.

<i>Vignan Nirula inst. of Science & Tech., Guntur</i>	Assistant Professor	1 years (2011-12)	Taught courses to the students of B.Tech.
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Summary of the Teaching and Administrative Duties in the College:

I. Subjects Taught/ Teaching at present:

1. I.C Engines & Gas Turbines
2. Refrigeration & Air conditioning
3. Automobile Engineering
4. Power plant Engineering
5. Heat Transfer
6. Hydraulics and Hydraulic Machines
7. Pumps and Prime Movers
8. Engineering Drawing
9. Basic Thermodynamics

II. Labs handled:

1. Fuels & I.C engines Lab
2. Heat Transfer Lab
3. F.M & S.M Lab
4. Work shop Practice-I

Details of Research Publications:

International Journals: 11

National Conferences: 02

Projects Guided

B. Tech Projects: 12 (completed), 2 (ongoing)

- Guided final year students of Mechanical Engineering discipline in various projects involving thermal related projects, CFD analysis of a gas turbine blades.

Publication links

Vidwan : <https://vidwan.inflibnet.ac.in/profile/183976>

Googlescholarlink:

https://scholar.google.com/citations?hl=en&user=QTkSWwEAAAAJ&view_op=list_works&sortby=pubdate

ORCID ID: <https://orcid.org/0000-0001-5388-6405>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57209476100>

Research gate ID : <https://www.researchgate.net/profile/Mohammad-Shaik-3>

Publon : <https://publons.com/researcher/4070306/kondala-rao-dasari/>

Administrative Duties

1) In charge of IV/IV B. Tech Classes

Duties carried as class teacher:

- Counselling of students regularly by maintaining a student
- Preparation of monthly attendance reports
- Weak students will be given extra tutoring
- Accompanying with students for long and short Industrial tours.
- Arranging Guest lectures with subject experts

Additional Relevant Details:

Workshops/seminars Conferences / Courses Attended:

1. Attended three-day faculty development programme on “**CFD application-STAR-CCM+**” Conducted by JNTU PULIVENDULA during January 16 -18, 2014.
2. Attended Two Day Faculty Development Programme on “**Advances in Sustainable Energy studies**” Conducted by Department Mechanical Engineering, NIT Warangal during November 1-2, 2014.
3. Participated in the ‘**Induction training programme conducted for young faculty**’, conducted by ISTE chapter, R.V.R &J.C College of Engineering, Guntur, during 1st and 2nd may 2015.
4. Attended Two Day National workshop on ‘**Recent advances in I.C Engines**’ conducted by Department of Mechanical Engineering, VR Siddhartha Engineering College, during 31 March to 1 April 2016.
5. Attended Two Day National Seminar on “**March to Make in India through Engineering Advancements (MMIEA)**” during 29 - 30 September, 2016 at RVR&JC college of Engineering, Chowdavaram.
6. Attended one-week short term course on ‘**Basics and Developments in Refrigeration and air conditioning RAC-2017**’ organized by SVNIT, Surat during Feb27-Mar3, 2017.
7. Participated in AICTE approved faculty development programme on **Materials Chemistry: Solids, Nano Materials and Semi-Conductors** from Oct 29-Nov 05,2017 conducted at **IIT Madras**.

8. Attended a Short term course on '**Advanced Process Control and Instrumentation system**', organized by NITTR Kolkata during 07-11 Jan 2019.
9. Attended a Short term course on **Computational Fluid Dynamics** organized by **IISC Bangalore** during 13-17 Aug, 2018.
10. Participated in AICTE approved faculty development programme (FDP101X) on "**Foundation program in ICT for education**" at **IIT Bombay** in Dec. 2018.
11. Participated in AICTE approved faculty development programme (FDP201X) on "**Pedagogy for online and blended teaching learning process**" at **IIT Bombay** in Dec. 2018.
12. Attended the AICTE sponsored STTP on '**Measurement and Analysis of In-cylinder Processes in Engines**' to be conducted at **IIT Madras** during 25-30 Nov, 2019.
13. Participated in AICTE Sponsored two week FDP on "**Emerging Technologies and Challenges in Mechanical Engineering**", 21 Oct. – 2 Nov. 2019, organized by Department of Mechanical Engineering, RVRJCCE.
14. Mr. Mohammad Hasheer Shaik has participated in One Week National Level Faculty Development Programme on "**Transformation in Indian Education through New Education Policy- Challenges and Opportunities**" from 05-07-2021 to 11-07-2021 organised by Government First Grade College for Women, Balmatta, Mangalore in association with St Aloysius College (Autonomous), Mangaluru.
15. Dr. Mohammad Hasheer Shaik has completed One Week National Level Intercollegiate Online Faculty Development Program on "**Outcome Based Education & Bloom's Taxonomy organized by the Internal Quality Assurance Cell**" of Ramakrishna Mission Vivekananda Centenary College (Autonomous), Kolkata in association with ipsr solutions limited 08 November 2021 to 15 November 2021.
16. **Mr. Mohammad Hasheer Shaik** has participated in One week National Level Faculty Development Programme on "**HYBRID ELECTRIC VEHICLES**" from **21st -25th November 2022** jointly organized by the Departments of Mechanical Engineering of GMR Institute of Technology, Rajam and Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada.

17. **Mr. Mohammad Hasheer Shaik** Successfully Completed FDP in the domain of “**AUTO (4Wheeler)**” Conducted by APSSDC-SIEMENS CENTER from **30-01-2023 to 11-02-2023** at RVRJCCE.
18. **Dr. Mohammad Hasheer Shaik** has completed One Week Online Faculty Development Program on “**Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)**” organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from **04/07/2022 to 09/07/2022**.
19. **Dr. Mohammad Hasheer Shaik** has completed Two-days Online Faculty Development Program on “**Application of Optical Diagnostic Methods and High- speed Imaging for Research in Mechanical Engineering**” organized by School of Mechanical Engineering (SMEC), VIT-AP University, Amaravati (AP), India organized from **17/01/2024 to 18/01/2024**.
20. **Dr. Mohammad Hasheer Shaik** has completed One week Online Faculty Development Program on “**THE NEW PRODUCT DEVELOPMENT PROCESS**” organized by APSSDC (AP), India organized from **13-11-2023 to 18-11-2023**.

Papers Published:

1. **Hasheer Shaik M, Kolla S, Katuru BP, Naga Venkata Sairam Y.** Theoretical investigation of low GWP refrigerant mixtures as an alternative to R-134A in a domestic refrigerator. Sigma J Eng Nat Sci 2023;41(5):969–979.
Yıldız Technical University Press, İstanbul, Turkey ___ Name of publisher
<https://sigma.yildiz.edu.tr/storage/upload/pdfs/1699254176-en.pdf>
Emerging Sources Citation Index (ESCI), **E-ISSN Number:** 1304-7205 (2004)
2. **Hasheer Sk M, Kolla S, Kondala Rao D, Naga Venkata Sai Ram Y.** Theoretical exploration of low GWP refrigerant mixtures as replacement to HFC-134A in a vapour compression refrigeration system. J Ther Eng 2023;9(4):912–920. (**Scopus Indexed, WOS**).
<https://jten.yildiz.edu.tr/storage/upload/pdfs/1690640198-en.pdf>
Yıldız Technical University Press, İstanbul, Turkey --- Name of publisher
E-ISSN Number: 2148-7847
3. **Yellapragada, N.V.S.R., Madala, V.S.K., Devarakonda, S.K., Shaik, R.S.M.A., Annamdasu, N.R., Dasari, K.R., Mohammad, H.S. (2023).** Application of Taguchi

– PCA / GRA method to optimize the wear behaviour of polyester/carbon fibre composites. *Revue des Composites et des Matériaux Avancés-Journal of Composite and Advanced Materials*, Vol. 33, No. 2, pp. 65-73. <https://doi.org/10.18280/rcma.330201>

(web of Science, Emerging Sources Citation Index, Scopus).

<https://www.iieta.org/journals/rcma/paper/10.18280/rcma.330201>

Revue des Composites et des Matériaux Avancés-Journal of Composite and Advanced Materials, Vol. 33, No. 2, pp. 65-73

1169-7954 (print); 1958-5799 (online)----- IIETA

4. Mohammad Hasheer Shaik, Srinivas Kolla & Bala Prasad Katuru (2022) Exergy and energy analysis of low GWP refrigerants in the perspective of replacement of HFC-134a in a home refrigerator, *International Journal of Ambient Energy*, 43:1, 2339-2350, DOI: [10.1080/01430750.2020.1730960](https://doi.org/10.1080/01430750.2020.1730960)

(Scopus Indexed, WOS)

<https://www.tandfonline.com/doi/abs/10.1080/01430750.2020.1730960>

Taylor & Francis

Print ISSN: 0143-0750 Online ISSN: 2162-8246

5. SundeepSiddula, VenkataRamarao, K., Mohammad Hasheer, S.K. (2022). Analysis and Design Approach of Footstep Power Generation Using Pressure Sensors. In: Bindhu, V., Tavares, J.M.R.S., Du, KL. (eds) *Proceedings of Third International Conference on Communication, Computing and Electronics Systems. Lecture Notes in Electrical Engineering*, vol 844. Springer, Singapore. https://doi.org/10.1007/978-981-16-8862-1_34.

https://link.springer.com/chapter/10.1007/978-981-16-8862-1_34

Publisher Name ::Springer, Singapore

Print ISBN978-981-16-8861-4 Online ISBN978-981-16-8862-1

6. Shaik, M.H., Kolla, S., Vadlamudi, T.C., Katuru, B.P., Kommineni, R. (2021). Thermodynamic analysis of eco-friendly refrigerant mixtures as an alternative to HFC-134a in household refrigerator. *International Journal of Heat and Technology*, Vol. 39, No. 5, pp. 1567-1574. <https://doi.org/10.18280/ijht.390519>.

(Scopus Indexed,WOS).

<https://www.iieta.org/journals/ijht/paper/10.18280/ijht.390519>

0392-8764, IIETA

7. **Shaik Mohammad Hasheer**, Kolla Srinivas, and Bala Prasad Katuru (2021); Energy analysis of HFC-152a, HFO-1234yf and HFC/HFO Mixtures as a Direct Substitute to HFC-134a in a Domestic Refrigerator.; Strojnícky časopis-Journal of Mechanical Engineering 71.1: 107-120 (2021). **(Scopus Indexed)**
<https://intapi.sciendo.com/pdf/10.2478/scjme-2021-0009>
Print ISSN 0039-2472, On-line ISSN 2450-5471
STU Bratislava
8. **Mohammad Hasheer Sk**, K. Srinivas (2019) “Performance Comparison of a Low GWP Refrigerants as Alternatives to R134a in a Refrigerator with and Without Liquid-Suction Heat Exchanger”, Materials Science Forum 969, 343-348.2019. **(Scopus Indexed)**
<https://www.scientific.net/MSF.969.343>
Trans Tech Publications Ltd: **Switzerland**
ISSN print 0255-5476,,ISSN cd 1662-9760,ISSN web 1662-9752
9. **Mohammad Hasheer Sk**, K. Srinivas (2019) “Effect of Hydrofluorocarbons and Hydrofluoroolefins in a Household Refrigerator as a Substitute for R134a”, Materials Science Forum 969, 199-204,2019. **(Scopus Indexed)**
<https://www.scientific.net/MSF.969.199>
10. **SK Mohammad Hasheer**, K. Srinivas (2019) “Thermodynamic Analysis of Low Gwp Refrigerant Mixtures in A Refrigerator as Replacement to R-134a”, Strojnícky časopis – Journal of Mechanical Engineering, 69 (NO 4), 147 – 158,2019. **(Scopus Indexed)**
<https://sciendo.com/article/10.2478/scjme-2019-0049>
Sciendo---- eISSN;; 2450-5471
11. **Mohammad Hasheer SK**, K. Srinivas (2019) “Performance analysis of alternative low GWP refrigerant mixtures as a direct substitute of HFC-134a in a Domestic Refrigerator using LSHX”, International Journal of Innovative Technology and Exploring Engineering 8, 2019. **(Scopus Indexed)**
<https://www.ijitee.org/wp-content/uploads/papers/v8i8/H6556068819.pdf>
Published By: Blue Eyes Intelligence Engineering & Sciences Publication
ISSN: 2278-3075, Volume-8, Issue-8, June 2019—1027-1031 pp no

12. **Md Hasheer**, K Srinivas (2018) “Thermodynamic analysis of a Low GWP Refrigerants as a Drop in substitute of R134a in a Domestic Refrigerator”, Iranian Journal of Energy and Environment 9 (2), 130-136. Citations:4*

https://www.ijee.net/article_66451.html

ISSN:2079-2115

Babol Noshirvani University of Technology

13. **MD. Hasheer.Sk**, Kolla Srinivas “Turbine Blade Cascade Heat Transfer Analysis Using CFD –A Review”, IJSTE 1 (7), 4-8, 2015.

https://www.academia.edu/14167872/Turbine_Blade_Cascade_Heat_Transfer_Analysis_Using_CFD_A_Review

I.J.S.T.E , INDIA---- 2349-784X

Paper Presentations in Conferences:

- Presented a paper on ‘Performance comparison of low gwp refrigerants as alternative R134a in a refrigerator with and without liquid suction heat exchanger’ in International Conference on Recent Advances in Materials and Manufacturing Technologies (ICRAMMT-2018) 19-20 November 2018, at MLRITM, Hyderabad.

Patents Published: 02

- Dr.V.Rama koteswarar Rao, **Dr.Mohammad Hasheer shaik**, Dr.A.Muddu, Sri. P.Siddarda,Ms. Sneha H Dhoria published a patent titled “Agricultural Robot” on 22-Dec-2021.
- Dr. N. Govind, Dr. K. Praveen Kumar, Dr. Radhika Sajja, D. Swapna, K. LakshmiChaitanya, M.Vijaya, **Mohammad Hasheer Shaik**, Kondala Rao Dasari, Kurra Hari Prasad, T.N.S Rama Krishna, Dr. A. Muddu published a patent titled “Intelligent Manufacturing Process: Computer Intelligent Manufacturing Process And Testing System. (Aid Physical Three-Dimensional Object) on 04-Dec-2020.

PROJECTS: 1 (Current Year)

- Projects having Collaboration with Insustry (Industrial Research Project (IRP)) – 1 Received a grant of worth Rs. 4,50,000/- for the industrial project entitled “Improvement of COP of Air-Conditioning Systems by using different types of insulations and nano-compressor oil” from Design Tribe (India) Pvt. Ltd., as Co-Investigator during period 2019-20. (Completed)

PROFESSIONAL MEMBERSHIPS: 2

1. Life member - IAENG - 290385
2. Life member - All India Council For Technical Skill Development - AICTSD/OTHER/56908

PERSONAL PROFILE

Name	:	Mohammad Hasheer Shaik
Father's name	:	Daria vali SK
Date of birth	:	23-11-1987
Nationality	:	Indian
Address	:	Mohammad. Hasheer.shaik S/O Daria vali.sk, Maddinagar 5 th line, Chilakaluripet, Guntur, Andhra Pradesh.

Declaration:

I hereby declare that all the statements made herein are true to the best of my knowledge and belief. Incase any of particulars furnished by me are found to be false at any stage my candidature is liable to be summarily rejected.

Place:

Date:

Sk.Md.Hasheer