

## Curriculum Vitae

**Name:** Mohammed Naser Farooqui

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**Date of Birth:** 25<sup>th</sup> January



### Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Class
<b>Ph.D.</b> (Doctor of Philosophy)	Manufacturing Engineering	Dr.BAMU	Dr.BAMU	2025	Outstanding	Completed
<b>M.E. / M. Tech.</b>	Mech.Design	BTH	BTH, (Europe)	2006	67%	Ist Div.
<b>B.E. / B.Tech.</b>	Mech.Engg	Dr.BAMU	Dr.BAMU	2002	65.26%	Ist Div.

**M. Tech. Project:** Design, analysis and optimization of hydraulic loader of high speed loader for pick and place mechanism

**Ph. D. Research:** Surface Engineering, Bio medical implants Machining using WEDM, Non convention machining of composites, Ceramic composites, and Ceramic matrix composites.

**Key Research Areas:** Automation, Robotics, Bio-medical Engineering, manufacturing and design

### Experience Credentials

Sr.no	Details of Professional Experience	No of years
1	Academic [Teaching ] Experience	18
2	Industry	02
3	Research	06

### List of Courses Taught/Teaching at UG level

Mechatronics,

Industrial Engineering,

Automatic Control System,  
Control System Engineering,  
Production Management,  
Power Plant engineering,  
Metrology and Quality control.  
Fundamentals of Automation,  
Fundamentals of Robotics,  
Automation in Manufacturing.

#### **List of Courses Taught/Teaching at PG level**

Mechatronics,  
Advanced Mechanical Vibrations,  
Process Automation

#### **Additional Assignments/Duties**

1. Executive Editor for the quarterly Departmental news letter, "MechZine".
2. Faculty Advisor of MESA
3. Lab Incharge of ACS
4. Dept.Project Coordinator.
5. Worked as understudy for University Exam of Dr.BAMU, for May -June 2016 Semester Examination.
6. Departmental coordinator for Minor Projects for TY students
7. Departmental coordinator for Major Projects for B.Tech students
8. University paper setter [Chairman] for the subjects of ACS,[B.Tech (Mech./Prod)] Mechatronics (TY) and Advanced Mechanical Vibration & Mechatronics (M.Tech)
9. Developed and framed Rubrics for seminar, Project and IPT for Mech.Engg.Dept.as per NBA requirements.
10. Developed and framed Rubrics for ACS
11. Criterion no 2 Incharge for NBA

#### **Membership of Professional Bodies**

- Life time member of "INDIAN SOCIETY FOR TECHNICAL EDUCATION", [ISTE] ISTE Ref. no: 55850
- Life member of "American Chemical Society (ACS)  
Membership no. 32379302

#### **Computer/Software Proficiency**

ANSYS,MS office,Matlab, Minitab, Abacus.

#### **Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended**

1. Attended 7 days FDP, on "Interdisciplinary Aspect in Modeling of Manufacturing Process" organized by Dr.BATU Ionere, in association with IIT, Bombay from 21 Nov. to 29 Nov.2020.
2. Attended 04 weeks online training on, " Critical Thinking" organized by State University of New York, under the Initiative of Exploring Emerging Technologies for Lifelong learning and Success from 06 May 2020 to 06 June 2020.

3. Attended 04 weeks online training on, “Communication and Collaboration” organized by State University of New York, under the Initiative of Exploring Emerging Technologies for Lifelong learning and Success from 09 May 2020 to 09 June 2020.
4. Attended Two day webinar on Finite Element Analysis of Structures, organized by SVR Infotech from 01-05 July 2020.
5. Attended Two day online FDP on,” Significance of online learning tools post Covid-19”, organized by Andhra Loyola college, from 12-13 June 2020.
6. Attended Three day International webinar on Research Paper writing and Patent Registration, organized by SSBM Institute of Technology & Management from 18-20 May 2020.
7. Attended 2 days online workshop on “CAE tools and its applications for Automotive Applications on 20<sup>th</sup> May 2020- 21<sup>st</sup> May 2020.
8. Attended Two day online FDP on, “Research Methodology: Tools and Techniques” organized by IILM College of Engineering and Technology, from 18-22 May 2020.
9. Attended one day International webinar on, “E-Education: Challenges and solutions, organized by Alma World Limited, United Kingdom on 31 May 2020.
10. Attended a 4 week online course on, “Managing the companies of future” jointly conducted by University of London and London Business School, from 01<sup>st</sup> April 2020 – 30<sup>th</sup> April 2020.
11. Attended a 4 week online course on, “The Science of well being” conducted by Yale University from 1st Jan 2020 – 31<sup>st</sup> Jan 2020.
12. Attended one day workshop on Project based learning under TEQIP-III organized by Dr.BATU, on 9<sup>th</sup> Dec.2019.
13. Attended a course on “Understanding Research Methods”, organized by SOAS, University of London, UK from 28/10/2019 to 02/11/2019.
14. Attended 4 weeks online course on, “Leaders of Learning” organized by Harvard University from 15<sup>th</sup> Nov 2019 to 15<sup>th</sup> Dec 2019.
15. Attended 7 days GIAN Course organized by MHRD, Govt. of India at NIT, Calicut, on Fundamentals and modeling of micro and nano machining processes from June 24-29, 2019 under the guidance of Prof.M.Rahaman, NUS, Singapore.
16. Attended one week STTP on Advanced in material and manufacturing technologies from 01-06 March 2019, Under TEQIP-III organized by Dr.BATU.
17. Attended one week’s international conference in Malaysia, “International conference on Advances in Mechanical Engineering ICAME 2009” at kuala Lumpur, Malaysia, June 2009.
18. Attended a 3 Days workshop on Noise, Vibration and Harshness (NVH) at College of Engineering, Pune (COEP), 10<sup>th</sup> – 12<sup>th</sup> June 2015.
19. Attended a workshop on Hydraulics and Pneumatics at CMIA (Chamber of Marathwada Industries and Agriculture) in Jan. 2015

#### **Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Organized**

1. Organizing committee member and session controller for International Conference on Recent trends in Mechanical Engineering ICRTME 2021 from 22 to 23 January 2021 by the Department of Mechanical Engineering, MIT.
2. Organized one day workshop on "Design Thinking, Critical Thinking and Innovation Design" (Online) on, 06th January 2021.
3. Organized One day workshop on the Topic of "Entrepreneurship and Innovation as a career opportunity" (Online) on, 07th January 2021
4. Organized awareness webinar on GATE Preparation in association with Imperial Gate Institute on 15<sup>th</sup> January 2021, under the aegis of MESA.
5. Organized one day workshop on study opportunities at Germany in association with Deutscher Akademischer Austausch dienst (DAAD) for the students of Mechanical Engineering on

27/09/2019.

6. Organized a two day workshop on Industry 4.0 at the department in association with IGTR, from 02-03 March 2019.
7. Organized expert lecture on “Mind Mapping”, in association with MY BRAIN, by Mr.Lekh Mithawala, CEO, MY MIND, on 30/08/2019.
8. Organized a three day workshop on “Entrepreneurship Awareness Programme” from 20th April 2018-23rd April 2018 in association with Maharashtra Centre for Entrepreneurship Development” (MCED) to inculcate Entrepreneurial skills in budding engineers.
9. Organized one day state levels inter college project competition, TechnoMind2k18, at MIT on 25/10/2018 and Technomind 2019-2020.
10. Organized a one day event called as Mech-o- Place under the aegis of MESA ,on 13<sup>th</sup> April 2018, the event included Aptitude test, Group Discussion and Personal Interviews of the participating students, winners were announced after the event.
11. Organized a social initiative for underprivileged students and children of the society under the aegis of MESA called as Wall of fame, collected old clothes, books, toy and distributed it to orphanage from 5<sup>th</sup> Sept. 2017- 15<sup>th</sup> Sept. 2017.

### **List of Research Publications**

#### **Papers in National /International Conference Proceedings and Journals**

1. Farooqui, M. N., & Jagirdar, L. B. (2023). The emerging role of social media in education. Aayushi International Interdisciplinary Research Journal, (Special Issue No. 117), 202. (ISSN 2349-638X, Impact Factor 7.367)
2. Jagirdar, L. B., & Farooqui, M. N. (2025). Digital beginnings: The cognitive and creative consequences of screen time in early childhood. International Journal for Research in Applied Science & Engineering Technology (IJRASET), 13(9), 631. (ISSN 2321-9653; SJ Impact Factor 7.538; ISRA Journal Impact Factor 7.894)
3. 2<sup>nd</sup> International Conference on Materials, Manufacturing and Design Engineering 2017. “A perspective on shaping of Advanced ceramics by Electro Discharge machining”.
4. 3<sup>rd</sup> International Conference on Recent Advances in Metallurgy and Mechanical Engineering 2024.” Precision shaping of Ceramics matrix composites (CMC) via EDM for bio medical applications”.
5. Indian Journal of Science and Technology. “Investigation into Optimizing of Machining parameters using RSM for Si<sub>3</sub>N<sub>4</sub>-TiN Ceramic Composite by WEDM”. Year: 2024, Volume: 17, Issue: 14, Pages: 1464-1473. DOI: 10.17485/IJST/v17i14.3148.
6. International Journal of Multidisciplinary Scope; “Experimental investigations on cutting rate and kerf width on Wire Electro Discharge Machining of Silicon Nitride –Titanium Nitride ceramic composite.” 2024; 5(3):152-161: 10.47857/irjms.2024.v05i03.01150.

7. Indian Journal of Science and Technology. “Mathematical Modeling And Finite Element Analysis Of Wire Electro Discharge Machining Of Ceramic Particulate Reinforced Metal Matrix Composite Material”. Year: 2024, Volume: 17, Issue: 9, Pages: 852-862  
DOI: 10.17485/IJST/v17i9.3131.
8. International Journal of Multidisciplinary Scope; “Effects of Ceramic Volume Fraction and Cryogenic Treatment on Kerf Width In WEDM Al-SiC<sub>p</sub> Of Metal Matrix Composites”. 2024; 5(3):152-161. 10.47857/irjms.2024.v05i03.01188
9. Farooqui M.N, Patil N.G. (Dec. 2018), “ An insight into the Electro Discharge Machining of Advanced Ceramics”, at 2nd International Conference on Materials Manufacturing and Design Engineering at, Dr.Babasaheb Ambedkar Technological University, Lonere. Published in Procedia Manufacturing 20, Elsevier Publication Pg. 65-72
10. Farooqui M.N, Patil N.G. (Dec. 2016), “ An insight into the Electro Discharge Machining of Advanced Ceramics”, at International Conference on Materials, Manufacturing & Design [Icmm-16] at, Dr.Babasaheb Ambedkar Technological University, Lonere. Pg. 201-206
11. Farooqui M.N, Wagle C. S (June 2006), “Bio-metric Design- A Novel Innovation in Designing Smart Security for Automobiles” at “International conference on Advances in Mechanical Engineering ICAME 2009” at kuala Lumpur, Malaysia, pg.285-287.
12. Farooqui M.N, Wagle C.S (May 2011), “Complete Power train Torsional Vibration Simulation and Correlation with Physical Measurement” at “International conference on Mechanical and aerospace Engineering CMAE 2011” at New Delhi , India. pg 414-418.

### **Book Chapters**

Farooqui, M. N., & Jagirdar Lubna Batool (2025). Comprehensive Analysis of Placement and Training Trends for Engineering Graduates: A Sectoral, Geographic, and Multi-Dimensional Study, Dynamic Trends in Multi-Domain Integration (pp. 49-58). Authors click publishing.  
ISBN: 978-93-6665-583-3.

Farooqui, M. N (2026), Towards Viksit Bharat @2047: Exploring the SPARK Model for Early Identification of Hidden Challenges in Children, Viksit Bharat: Vision 2047 Building a Developed India, (pp 38-46)

### **Books**

Farooqui, M. N., & Jagirdar Lubna Batool (2025). Beyond Classrooms: Experiential Learning for Gen Z Learners, Ideal Publication ISBN: 978-81-987139-0-2.

## Intellectual Property

Copyright filed for the book titled "Beyond Classrooms: Experiential Learning for Gen Z Learners" authored by Dr. M. N. Farooqui and Jagirdar Lubna Batool, Research Scholar. Year: 2025, country: India

## Patent Granted

Patent granted for. "Autonomous Drone Device for Infrastructure Inspection and Maintenance", Patent no: 6494454, by the, Intellectual Property Right office, United Kingdom , Grant date: 08 January 2026.

## Memorandum of Understanding (MOU) and Collaboration with industries

- Faculty coordinator and project supervisor for Innovation Projects in collaboration with Liebherr Appliances Pvt. Ltd.(2024 till date)
- Faculty coordinator for projects associated with the Institute of Research and Innovation (IRI), USA.(2025 till date)

## Students Development and Mentorship

- Faculty advisor for the Mechanical Engineering Students Association (MESA) since 2016.
- Executive Editor of the departmental newsletter *MechZine* since 2016.
- Mentored and counseled numerous students for higher education abroad, facilitating admissions to renowned institutions such as RWTH Aachen (Germany), University of Queensland (Australia), as well as premier Indian institutes including IITs, IISc, and IIMs.

## Awards, Achievements and Recognition

- Won the title of "**Best Paper Presented**", for " Biometric Design a Novel Innovation in Designing a Smart Automobiles" at National Seminar on Intelligent Technologies in Mechanical and Automotive Engineering 2007, NSITMAE-2007,organized by Institute of Technology & Management, Gurgaon, Haryana on 5<sup>th</sup> & 6<sup>th</sup> January 2007
- Appreciation letter received from the organizing body of IEEE as a staff in charge for guiding the students for "Students Awareness Program 2007" organized by IEEE in collaboration with Cummins College of Engineering, Pune for the technical welfare of engineering students.
- Invited as a judge for technical event organised by the students of first year for "ROBORAC" in July 2016.
- Invited as a judge for Debate organize by MBA Department of MIT (T) May 2015
- Invited as a judge for technical event organised by the students Electronics Department at MIT (T) June 2014.
- Organized a debate competition on the occasion of International Literacy Day on 15<sup>th</sup> September 2006 & 2007.

- Visited IMTEX-2016, Bangalore, India, along with a delegation of 25 students from SY, TY and B.Tech.

### **Students Development Activities**

- Avishkar faculty coordinator for Mechanical engineering department students for the year 2025. Conducted by Dr.Babasaheb Ambedkar Marathwada University.
- Liebherr Innovation Challenge activity coordinator and supervisor for the year 2025.

Date:

Place:

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