



## Department of Freshman Engineering

### Faculty Profile

**Name** : Dr. Mohd Ahmed  
**Designation** : Assistant Professor (Mathematics)  
**Total Experience** : 10 years  
**JNTUH ID** : 3601-170914-105058  
**AICTE ID** : 1-7354084512  
**Contact No.** : 9030442630  
**E-Mail** : [ahmed.nitw@gmail.com](mailto:ahmed.nitw@gmail.com)  
[ahmed.nitw@sphoorthyengg.ac.in](mailto:ahmed.nitw@sphoorthyengg.ac.in)  
**Linked In** : <https://www.linkedin.com/feed/>  
**YouTube Channel** : <https://www.youtube.com/channel/UC2dtM-U2cCJh4U66M-4Q9Nw>



### Academic Qualification:

S. No.	Degree/ Course	Name of the Institute	University/ Board	Year of Passing
1.	SSC	Govt. High School Newtown, Mahbubnagar	Board of Secondary Education, A.P.	2004
2.	Intermediate (M.P.C)	Govt. Boys Junior College, Mahbubnagar	Board of Intermediate Education, A.P.	2006
3.	D.Ed.	DIET-Karimnagar	Board of Secondary Education, A.P.	2008
4.	B.Sc. (M.P.Cs)	Adarsh Degree College, Mahbubnagar	Osmania University, Hyd.	2011
5.	M.Sc. (Applied Maths)	National Institute of Technology -Warangal.	National Institute of Technology -Warangal.	2013
6.	Ph.D.	National Institute of Technology Karnataka-Surathkal.	National Institute of Technology Karnataka-Surathkal.	2017

## Teaching Experience:

1. Working as an Assistant Professor of Mathematics in Department of H&S, **Sphoorthy Engineering College, Hyderabad (Affiliated to JNTUH)** November-2021 to till date.
2. Worked as an Assistant Professor of Mathematics in Department of H&S, **ISL Engineering College, Hyderabad (Affiliated to O.U.)** from June-2018 to October-2021.
3. Worked as an Assistant Professor of Mathematics in Department of H&S, **KG Reddy College of Engineering and Technology, Hyderabad** from August-2017 to June-2018.
4. Worked as Teaching Assistant in **Visvesvaraya National Institute of Technology (NIT), Nagpur**. Taught regular courses for B.Tech. from July-2013 to December-2013.

## Research Experience:

Dec, 2013-April, 2017: “On the Solutions of Viscous Burgers Equations”.  
**Ph.D. awarded** on 13<sup>th</sup> November 2017.  
Advisors: Dr. Satyanarayana E. and Dr. Murugan V.,  
Department of Mathematical and Computational Sciences,  
**National Institute of Technology Karnataka, Surathkal, India.**

## Publications:

1. Engu Satyanarayana, Mohd Ahmed and V. Murugan, “*Large Time Asymptotics with Error Estimates to Solutions of a Forced Burgers Equation*”, Studies in Applied Mathematics, Vol.138, No.2 (2017), 185-204. **(SCI Indexed Journal)**  
**DOI:** <https://doi.org/10.1111/sapm.12148>
2. Engu Satyanarayana, Mohd Ahmed and Manas Ranjan Sahoo, “*Asymptotic Behavior of Solutions to the Diffusion Equation*”, Indian Journal of Pure and Applied Mathematics. Vol.49, No.4 (2018), 601-620. **(SCI Indexed Journal)**  
**DOI:** 10.1007/s13226-018-0289-0
3. D. Chenna Kesavaiah, Mohd Ahmed, K. Venugopal Reddy, Dr. Nookala Venu, “*Heat and Mass Transfer Effects Over Isothermal Infinite Vertical Plate of Newtonian Fluid with Chemical Reaction*”, Neuro Quantology, Vol.20, No.20 (2022), 957-967. **(Scopus Indexed) DOI:** [10.48047/NQ.2022.20.20.NQ109096](https://doi.org/10.48047/NQ.2022.20.20.NQ109096)

## **Presentations in International Conferences:**

1. Engu Satyanarayana, Mohd Ahmed and V. Murugan, “*Large Time Asymptotics with Error Estimates to Solutions of a Forced Burgers Equation*”, presented at **International Conference on Advances in Scientific Computing** held during November 28-30 at IIT-Madras.
2. Engu Satyanarayana, Mohd Ahmed and V. Murugan, “*Large Time Asymptotic Behavior to Solutions of a Forced Burgers Equation*”, presented at **19th International Conference on Mathematics, Statistics and Scientific Computing** held during Feb 12-13 in Malaysia.
3. Dr. Mohd Ahmed, “*A Survey on Cauchy Problem for Burgers Equation*”, presented at **International Conference on Mathematical Analysis and Applications (ICOMAA - 2022)** organized by the Department of Mathematics, University of Kalyani, INDIA, during June 28-29, 2022.

## **Participation in Workshops / Conferences:**

1. “**Conference on New Vistas in Computational Fluid Dynamics in Engineering**” held at **NIT-Warangal** during 27-29 January, 2012.
2. “**Three Day Workshop on Functional Analysis**”, held at **Central University of Kerala** during 20-22 March 2014.
3. “**Postgraduate Level Training Programme on Differential Equations**” under the auspices of (NPDE-TCA) sponsored by DST, Government of India, held at **IIT-Guwahati** during 2-21 June 2014.
4. “**Annual Foundation School I by ATM Schools**”, held at **IIT-Madras** during 1-27 December 2014.
5. “**Advanced Level Training Programme on Differential Equations**” under the auspices of (NPDE-TCA) sponsored by DST, Government of India, held at **BITS-Goa** during 25 May-14 June 2015.
6. “**Workshop on Topological Dynamics**” held at **NITK-Surathkal** during 10-12 December 2015.
7. “**3-day Engineering Colleges-Induction Programme (for Faculty in Colleges of Higher Education)**” held at **Osmania University, Hyderabad** during 13<sup>th</sup> -15<sup>th</sup> July, 2018.
8. “**Lecture Series on Nonlinear Dynamics and Applications**” conducted online by **IIT-Indore**, during 13-16th February, 2023.

## **Faculty development programs attended:**

1. **“One Week Faculty Development Program”** held at **K G Reddy College of Engineering and Technology** during 4<sup>th</sup> -9<sup>th</sup> December 2017.
2. **“Effective Teaching & Learning”** and **“Technical knowledge & Skill enhancement programme”** held at **K G Reddy College of Engineering and Technology** during 14<sup>th</sup> -26<sup>th</sup> May 2018.
3. **"Managing Online Classes and Co-Creating MOOCS"** conducted online by **Ramanujan College, University of Delhi** during April 20 - May 06, 2020.
4. **“Effective Teaching Learning Paradigms through Pedagogical Innovations”** conducted online by Sathyabama Institute of Science and Technology, Chennai, during 7<sup>th</sup> - 12<sup>th</sup> Feb, 2022
5. **“Role of Basic Sciences in Emerging Technologies (RBSET-2022)”** conducted online by **National Institute of Technology Mizoram & GMR Institute of Technology, Rajam, Andhra Pradesh** during 09<sup>th</sup> – 14<sup>th</sup> March, 2022.
6. **“FDP on Effective Pedagogy for Science”** conducted online by **JMJ College for Women (Autonomous), Tenali, AP.**, during 29.11.2022 to 03.12.2022.
7. **FDP on “Applications of Mathematics in Applied Sciences and Engineering”** conducted online by **GMR Institute of Technology-Rajam & National Institute of Technology-Warangal** during 30<sup>th</sup> January - 03<sup>rd</sup> February, 2023.

## **Patents Published:**

1. *"STATISTICAL ANALYSIS OF HEALTHCARE INFORMATION SYSTEM"*,  
Application No.202221023350 A  
Publication Date: 06/05/2022  
<https://drive.google.com/file/d/1eGgpoBMp-YIeBWuOMcphh6K3UAov6PCx/view?usp=sharing>