Resume

Name of Teaching staff	**:**	Dr. Naresh Vasant Afre	
Designation	**:**	Assistant Professor	
Department	**:**	Humanities and Applied Sciences, Applied Mathematics in *SVKM's D. J. Sanghvi College of Engineering.*	
Date of Birth	**:**	10th March 1991	
Date of Joining Instituton	**:**	05.01.2016	
Contact number	**:**	+91 9320344503/+91 8668805631	
Email id	**:**	nareshafre@gmail.com	
Address	**:**	A-302, Gokul Nagari CHSL, Chulna Road, manickpur, Vasai West, Palghar-401202	

Qualification with Class/ Grade :

1. Ph.D in Mathematics, from University of Mumbai, Dept of Mathematics.
2. M.Phil in Mathematics from University of Mumbai
3. M.Sc in Mathematics from University of Mumbai, Dept of Mathematics, with 77%
4. B.Sc in Mathematics from Smt. C. H. M College (Ulhasnagar), with 84.875%
5. JRF-NET in Mathematics of June 2015 with AIR 98th
6. Mah-SET in Mathematics of September 2015.

Total Experience in years : 8 years and 4 months

1. Assistant Professor, Dwarkadas J. Sanghvi College of Engineering from 05.01.2016 till date.
2. Assistant Professor, Thadomal Shahani College of Engineering, from 01.01.2015 to 04.01.2015.
3. Assistant Professor, S. I. C. E. S Junior and Degree college (Ambarnath) from 26.07.2014 to 30.12.2014.
4. Assistant Professor, Smt C. H. M Arts, Commerce and Science college, on Clock hour basis.

Research work:

- **Publications:**

1) Published a paper in International Journal of Group Theory (IJGT) titled "GOW-TAMBURINI TYPE GENERATION OF THE SPECIAL LINEAR GROUP FOR SOME SPECIAL RINGS" June 2023.
2) Published a paper in Proc. Indian Acad. Sci. (Math. Sci.) titled "Gow–Tamburini type generation of SL3(R) over the rings of integers of imaginary quadratic number fields of class number one" April 2022.

- **Presentation:**

1) Presented a paper entitled "Gow-Tamburini Type Generation of Special Linear Group for Some Special Rings" in 6^th International Conference on Recent Advances in Mathematical Sciences and its Applications (RAMSA-2022) December 08-10, 2022.
2) Presented a paper entitled "Gow Tamburini type generation of special linear group of size three and size five over some special rings of integers of quadratic number fields" in the International Conference on Recent Developments in Mathematics and Mathematical Sciences (ICRDMMS-2021) organized by Calcutta Mathematical Society(CMS), Kolkata.

Additional Courses completed :

- **24 Days FIP:**
  Completed Faculty induction programme-VI (Guru Dakshta) under Malaviya Mission Teacher Training Programme (MM-TTP) of the UGC organized by UGC-MMTTC, Sant Gadge Baba Amravati University, Amravati (Maharashtra) from 19/06/2024 to 16/07/2024.
- **CREDIT COURSE:**
  Completed a (two credit) course on "Research and Publication Ethics" of 2 weeks duration, organised by Sardar Patel Institute of Technology.

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- **SWAYAM NPTEL AICTE Approved 8 weeks FDP:**

1) "Matrix Analysis with Applications" with 91%,
2) "Introduction to Abstract and Linear Algebra" with 90%,
3) "Essential Mathematics for Machine Learning", with 88%,
4) "Descriptive statistics with R software", with 87%.
5) "Introduction to Abstract Group Theory", with 99%.
6) "Graph Theory", with 90%.

- **COURSERA COURSES:**

1) "Differential Equations for Engineers" through Coursera.
2) "Matrix Algebra for Engineers" through Coursera.
3) "Data Science Math Skills" through Coursera.
4) "Vector Calculus for Engineers" through Coursera.
5) "Fibonacci Numbers and Golden Ratio" through Coursera.
6) "Learning to Teach Online" through Coursera.
7) "Mathematics for Machine Learning: Linear Algebra" through Coursera.
8) "Mathematics for Machine Learning: Multivariate Calculus" through Coursera.
9) "Mathematics for Machine Learning: PCA" through Coursera.
10) "Assessment in Higher Education: Professional Development for Teachers" through Coursera.
11) "Relationship Management" through Coursera.
12) "Probability Theory, Statistics and Exploratory Data Analysis" through Coursera.
13) "Precalculus: Relations and Functions" through Coursera.
14) "Operations Research (3): Theory" through Coursera.
15) "Mathematics for Data Science" specialization through Coursera.
16) "Logic for Economists" through Coursera.
17) "First Steps in Linear Algebra for Machine Learning" through Coursera.
18) "Discrete Math and Analyzing Social Graphs" through Coursera.
19) "Algebra: Elementary to Advanced - Equations & Inequalities" through Coursera.
20) "Calculus through Data & Modelling: Vector Calculus" through Coursera.
21) "Calculus and Optimization for Machine Learning" through Coursera.

- **Other Faculty development programs (FDPs):**

1) One week FDP on "Python 3.4.3" with Spoken tutorial IIT Bombay, organnized at DJ Sanghvi College of Engineering,
2) One week FDP on "Improving Teaching Learning experience using Best practices" organized by DJ Sanghvi College of Engineering,
3) One week FDP on "Research and current trends in Mathematics" organized by Pillai college of Engineering,
4) One week FDP on "Application of Mathematics in Science and Technology", organized ny Narasu's Sarathy Institute of Technology,
5) One week FDP on "Software tools for Mathematical Education", organized by Bannari Amman Institute of Technology and Providence college for women.

- **Workshop/Webinars/short term courses etc:**

1) National level short term course on "Graphic Design" for teachers with 96% score,
2) National level workshop on "E- content development" with 94% score,
3) AICTE-ISTE approved one week STTP on "Application of Applied Mathematics and recent trends, techniques and use of ICT tools in teaching Applied Mathematics" organised by Rajiv Gandhi Institute of Technology,
4) SVKM's three days "Faculty Induction Program",
5) Webinar on "Ramanujan and highly composite numbers",
6) Webinar on "Math and Neural Networks",
7) Webinar on "Memories and a lecture tribute to Professor S. S. Shrikhande",
8) Webinar on "DNA computing",
9) Webinar on "Introduction to Mathematica",

10) Workshop on “Presentation Choreography”,
11) Online Faculty development program on “Fuzzy sets and systems”,
12) Expert talk on “Impact of Mathematics on Computer Applications”.
13) Workshop on “Graph Theory using Python”

Dr. Naresh Vasant Afre