

Name**MRS VRINDA MILIND KULKARNI**

Designation

Assistant Professor

Department

First Year Engineering Department

Date of Joining the
Institute

02/05/2008



Education

B.Sc (Mathematics) Mumbai University Aug 1991

M.Sc.(Mathematics) Mumbai University Aug 1994

SET (Mathematics) UGC May 2001

Branch / Specialization

Mathematics

Areas of Interest /
Research Interest

Discrete Mathematics, Graph Theory

Email

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Personal Homepage
link**Academic Appointments**

Name of the University / Institute/ Industry	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	From 02/05/08 to till the date	Assistant Prof. (Selection Grade)
Gogate Joglekar College, Ratnagiri	From 11/06/1999 to 30/04/2008	Lecturer
D.G.Rurel College Mumbai	For AY 1998-99	Lecturer
Bhavan's Coolege Mumbai	For AY 1997-98	Lecturer
SPK college , Sawantwadi	For AY 1995_96 & 96_97	Lecturer

Papers Published

Papers Published in National / International Journals -04

International Journals – 03

Paper titled " **Identifying most Influential Personality using directed graph with embedded approach in IEEE xplore in 2020 (unpaid)**

Paper titled " **Use of normal distribution to study high and low tides at sea shores Konkan region**" published in book chapter. Environment Development and sustainability by Lambert Academic Publishing with SBN 978-619-45834--9

Paper titled **To find characteristics of an individual by using graph theory**
In International Journal of Advance Research in Science and Technology
Volume 06 Issue no. 09 September 2017 (ISSN NO 2319-8354) (unpaid)

Paper titled **Scheduling of Local Transport with Normal Distribution in**
International Journal of Science Technology and Management
Volume 05 Issue 08, August 2016 (ISSN NO- 2394-1537) (Unpaid)

Papers Presented/Published in National/ International Conferences -08

International Conferences – 06

- 1) Presented paper with title " Identifying most Influential Personality using directed graph with embedded approach in ICNET 2020 IEEE bangalore section during 5 -7 june 2020
- 2) Presented a paper entitled Use of normal distribution to study high and low tides at sea shores Konkan region. In ICEDS 2018 held on 15th December 2018 at ASP college Devrukh, Ratnagiri.
- 3) Presented a paper titled Calculation of chromatic index by using edge matrix in ICASTe – 2018 held on 20th-21st April 2018 at A.P.Shah College of engineering, Thane.

- 4) Presented paper on To find characteristics of an individual by using graph Theory in ICRISEHM -17 held on 16th September 2017.
- 5) Presented a paper entitled use of edge matrix in calculation of edge betweenness in IMSCT 2016 – FIMXXV during December 22-24 2016
- 6) Presented paper on Scheduling of Local Transport with Normal Distribution in ICRITESM held on 7th August 2016.

National Conferences – 02

- 1) Presented and authored a paper titled " Used of measures of centrality in crowd, security, publicity management with reference to part of Ratnagiri City. In RAST – 2k16 during 17th -18th February 2016.
- 2) Presented and authored a paper titled "Measurement of influence in Social Network using directed graphs restricting to geodesic of length two in RAST – 2k16 during 17th -18th February 2016.

Awards / Honors / Prizes / Achievements

Successfully completed NPTEL online certification for the course graphTheory with consolidated score of 89%.

Successfully completed NPTEL online certification for the course Introduction to abstract and Linear Algebra with consolidated score of 95%.

I have worked as resource person in Vedic Mathematics workshop, district level workshop for Mathematics teacher conducted by DIET, Ratnagiri.

Successfully completed NPTEL online certification for the course Introduction to abstract Group Theory

Received Certificate of appreciation in successful organization of Inter State West Zone Camp on HEALTHY YOUTH FOR HEALTHY NATION Jointly organized by NSS cell Mumbai University and Gogate Joglekar college Ratnagiri in 2007

Qualified SET (Mathematics) in 2001

Students projects Guided at UG/PG/Doctoral Level --

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Number of Workshops, Seminars, STTPs, FDPs Attended – 17

STTP / FDPs

- 1) Completed Completed Faculty Development program by NPTEL -AICTE on the topic Introduction to abstract Group Theory
- 2) Completed One week online FDP on Opportunities and Challenges in Electronics and allied Industries in India Post Covid 19 Conducted by Vivekanand Education Society's Institute of Technology between 25/05/2020 to 30/05/2020
- 3) Participated in One week Faculty Development program on Middle learning and Management System conducted by S.S.T college of Arts and Commerce between 21/04/2020 to 27/04/2020
- 4) Participated in One week faculty Development program on Modern Educational tools and pedagogical practices for online teaching conducted by Vidyalankar Institute of Technology, Mulund between 21/06/2020 to 25/06/2020
- 5) Participated in One week online FDP on Exploring the dimensions of Innovations, Incubations and emerging Technologies to embrace Post covid changes organized by Mechanical Engineering Department of FAMT, Ratnagiri.
- 6) Successfully completed 9 days FDP on Solvable and Nilpotent groups conducted between 25 October to 2 November 2021

Conferences and Seminars

Attended in one day workshop on the topic " **Sexual harassment of Women at work place**" conducted on **7/09/2017**

Attended Participated Webinar on "**Role of Engineering in Rural Transformation**" conducted on 2/9/2020

Participated in one day webinar on "**The man who knew infinity**" organized by **Department of Mathematics**, St.Xaviers College for women Aluva Kerala on 26 April 2020

Participated in **Techtalk 2020 webseries** conducted by Vidyavadhini's college of Engineering and Technology during 13 May to 15 May 2020

Two Week or One Week Workshops

Attended the AICTE-ISTE approved induction/refresher program on open source solutions in teaching- learning process held during 24/06/2019 - 28/06/2019 organised by FAMT Ratnagiri

Attended **One Week Workshop** on "**Funding Schemes Available for Research Proposals**" Organized by Research Development and Consultancy cell (RDCC) of Finolex Academy of Management and Technology, Ratnagiri from 13th February to 23rd April 2016

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Workshops

- 1 Participated in two day national webinar on challenges ,Innovations and adaptations of covid 19 science and Technology perspective organized by Somaiya Engineering college conducted on 29 and 30 oct 2021
- 2 Completed work shop on " **Health Management through Yoga** " organized by First Year engineering LTCE from 12 to 14 October 2021
- 3 Completed the workshop **on syllabus revision of Mechanical Engineering (Applied Mathematics III and IV)** at Sarswati college of Engineering on 18 Jul 2013
- 4 Completed workshop on **Quality Education in Engineering and Technical Institution** at FAMT on 24 jan 2009
- 5 Completed work shop on workshop on **Revision of syllabus for FY BCom organized by BOS in Mathematics and Statistics** Mumbai University at Hinduja College Mumbai on 13 Dec 2006
- 6 Completed work shop **on Mupad lite mathematical software** organized by BOS and Bombay mathematical colloquium during 18-07-2002 to 20-07-2002

Certification Course / Refresher Courses completed - 01

Successfully completed **two week Refresher course in Applicable Mathematics** organised by Teaching Learning centre , Ramanujan College University of Delhi during 15-29 Dec 2021

Technical Seminars/ Workshop/ Lecture/ Invited Talks As a Resource Person -01

Worked as Resourse person in Mathematics Symposium conducted by (DIECPD/DIET) in Feb 2018 at Kherdi, Chiplun.

Extension / Outreach Programs/ Social Programs As a Resource Person

Professional Membership

1. Indian Society of Technical Education (I.S.T.E)

Other Experience

College Level Administrative Responsibilities

College Level Responsibilities related to Examination

Worked as **Joint Chief Conductor** for University Examination held in May/ June 2013

Worked as **Senior Supervisor** For University Examination held in Nov / Dec 2022

College Level Responsibilities

1. Engaged extra coaching for GATE aspirants (Engineering Mathematics)
2. Worked as member in admission committee for academic year 2016-17 , 2019_20

College Level Committees

- Working as Convener for **Woman Grievance Cell** since 2016
- Working as Convener for **Internal Complaint Committee** since may 2017 till Jan 2021
- Working as Secretary for **Internal Complaint Committee** since Jan. 2021
- Working as a department coordinator for Result analysis committee upto June 2023
- Working as a department coordinator for Library committee
- Working as member , Course Enrichment Committee since 2015
- Working as a department coordinator for Library committee
- Working as a department coordinator for Time table committee since July 2023
- Working as a department coordinator for NAAC Criteria V committee
- Working as a member in Grievance Redressal Cell

Judge Panel / Staff Selection Committee / Subject Expert

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Projects / Software Development

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Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1	Applied Mathematics I	F.E (Sem - I)	11 years
2	Applied Mathematics II	F.E. (Sem - II)	11 Years
3	Applied Mathematics III	S.E. Mechanical (Sem - III)	4 Years
4	Applied Mathematics III	S.E. Chemical (Sem - III)	2 Years
5	Applied Mathematics III	S.E. Electronics (Sem - III)	2 Years
6	Applied Mathematics III	S.E. Electronics and Télécommunication (Sem - III)	2 Years
7	Applied Mathematics III	S.E. Electrical (Sem - III)	3 Years
8	Applied Mathematics IV	S.E. Mechanical (Sem - IV)	4 Years
9	Applied Mathematics IV	S.E. Chemical (Sem - IV)	2 Years
10	Applied Mathematics IV	S.E. Electronics (Sem - IV)	2 Years
11	Applied Mathematics IV	S.E. Electrical (Sem - IV)	3 Years
12	Applied Mathematics V	T.E. Electrical (Sem V)	1 Year
13	Discrete Mathematics	F.Y. M.C.A. (Sem I)	2 Years
14	Probability and Statistics	F.Y.M.C.A (Sem II)	2 years
15	Numerical Techniques	S.E. Electrical (Sem IV)	1 Year

16	Engineering Mathematics I	F.E (Sem - I)	3 years
17	Engineering Mathematics II	F.E. (Sem - II)	4 years
18	Engineering Mathematics III	SE Information Technology	3 years
19	Engineering Mathematics IV	SE Information Technology	3 years
20	Engineering Mathematics III	SE Computer Science Engineering & AIML	3 years
21	Engineering Mathematics IV	SE Computer Science Engineering & AI&ML	3 years
22	DSGT	SE Computer Science Engineering & AIML	1 year
23	Engineering Mathematics III	Chemical Engineering	2 years
24	Engineering Mathematics IV	Electrical Engineering	1 year
25	Mathematics for AI & ML	ENTC and Mechanical Engineering	1 Year

Any Other Contribution

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