

CURRICULUM VITAE

Name : Dr. Vinayak Shamrao Kulkarni

Present Position : **Professor**
 Department of Mathematics,
 University of Mumbai,
 (NAAC Re accredited A++ Grade CGPA 3.65)
 Mumbai - 400098

Educational Qualifications : **M.Sc. (Mathematics), Ph.D. (Mathematics)**

Teaching Experience : 28 years

Research Experience : 21 years

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drvinayaksk1@gmail.com

Research Fields :

- Applied Analysis (AMS 97I40, 97I50, 97I99)
- Partial Differential Equations (AMS 35J25, 35J67, 35K05, 35K20, 35K35, 35K50),
- Boundary Value Problems in Heat Conduction (AMS 34B05, 34B07),
- Integral Transforms (AMS 44A05, 44A10),
- Fractional Calculus (AMS 26A33, 35R11, 44A10, 74S40),
- Applied Numerical Analysis (47N40, 65L20, 65L60, 65N06, 65N12, 65N30),
- Mechanics of Deformable Solids (AMS 74A10, 74C05, 74F05, 74G75, 74H15),
- Heat and Mass Transfer (AMS 80A20, 80A23, 80M10, 80M20).

Software's and Tools : MathCAD, Maple

h- index and Citations :

Database	Id	Documents	Citations	h index
Scopus	56030178800	27	196	9
Web of Science	AAM-6413-2020	24	174	8
Google	QxQQLgcAAAAJ	51	324	13
ORCID	0000-0002-2507-4458			
Vidwan id	568790			

Web links :

<https://www.scopus.com/authid/detail.uri?authorId=56030178800>

<https://www.webofscience.com/wos/author/record/AAM-6413-2020>

<https://orcid.org/0000-0002-2507-4458>

<https://mathscinet.ams.org/mathscinet/author?authorId=794522>

<https://vidwan.inflibnet.ac.in/profile/568790>

<https://scholar.google.co.in/citations?user=jlhbp9MAAAAJ&hl=en>

http://mathematics.mu.ac.in/faculty/faculty_details.php?id=5

Academic Positions :

Sr. No.	Position	Institute	Period	
			From	To
01	Contributory Lecturer	PVP College Loni, Ahmednagar	08/07/1996	16/08/1998
02	Lecturer	SVM College of Engineering, Chincholi, Nasik	17/08/1998	19/10/2002
03	Lecturer (MPSC Selection)	Government College of Engineering Chandrapur	21/10/2002	31/12/2005
04	Assistant Professor (MPSC)	Government College of Engineering Chandrapur	01/01/2006	23/10/2006
05	Assistant Professor Senior Scale (MPSC)	Government College of Engineering Chandrapur and Chatrapati Sambhajinagar	24/10/2006	23/10/2011
06	Assistant Professor Selection Grade (MPSC)	Government College of Engineering Chatrapati Sambhajinagar and Chandrapur	24/10/2011	05/03/2013
07	Associate Professor	University of Mumbai	06/03/2013	05/03/2016
08	Professor	University of Mumbai	06/03/2016	Till date

Professional Activities and Contribution:

- **NEP 2020:** Actively contributing in the implementation of New Education Policy (NEP 2020) at University of Mumbai, Mumbai at UG and PG level.
- **NAAC:** Served as a Co-ordinator of SSR III of National Assessment and Accreditation Council (NAAC) at University of Mumbai, Mumbai.
- **NIRF:** Contributed in National Institutional Ranking Framework (NIRF) at University of Mumbai, Mumbai.
- **IQAC:** Working as a Member of Internal Quality and Assurance Cell (IQAC) at University of Mumbai, Mumbai.
- **PM USHA:** Contributed in the preparing proposal of Pradhan Mantri Uchchatar Shiksha Abhiyan at University of Mumbai, Mumbai.
- **Syllabus Designing and Curriculum Development:** Actively contributed in the syllabus designing and academic curriculum development in the capacity of Chairman/ Member of Board of Studies (BOS) at the Post Graduate and Under Graduate Level in the various academic Institutes and Universities.

Research Publications:

- **Research Papers published in International Journals : 51**
 - Elsevier Publication 05,
 - Springer Publication 08,
 - Taylor's & Francis 04,
 - Wiley Publication 03,
 - Scopus Indexed 27,
 - Web of Science 24,
 - MathSciNet 21.
- Research Papers published in International Proceedings : 06
- Research Papers published in National Journals : 02
- Research Papers presented in International Conferences : 22
- Research Papers presented in National Conferences : 05
- **Total Research Contribution : 86**

Research Guidance:

- **Ph.D. Degree Awarded Students : 08**
(Two interdisciplinary students from Thermal and Structural Engineering each)
- M. Phil. Degree Awarded students : 02
- M.Sc. Projects Completed : 06
- Ph.D. students in progress : 07

Research Projects:

- Completed Major Research Project Sanctioned and funded by UGC of Rs. 10, 42,500/- (Rs. Ten lakhs forty two thousand and five hundred only), entitled, “Mixed boundary value problems in thermoelasticity and its applications in Engineering”. For the three years during 1st July 2015 to 30th June 2018.
- Completed Major Research Project Sanctioned and funded by UGC of Rs. 4, 79,000/- (Rs. Four Lakhs seventy nine thousands only) entitled, “Critical study of thermoelastic problems”, for three years during 1st April 2007 to 31st March 2010.

Multidisciplinary Collaboration

- Considering interdisciplinary and multidisciplinary relevance of my research area, I have done collaborative research work in the area of Thermal Engineering and Structural Engineering at Government College of Engineering, Chatrapati Sambhajinagar, an Autonomous Institute of Government of Maharashtra. Two students of Thermal Engineering and Structural Engineering each awarded Ph.D. degree in my position as a Associate Research Guide.

Honours and Achievements:

- Honoured by the Best Teacher Award in the academic year 2022-23 by University of Mumbai.
- Delivered Keynote/ Expert Invited lectures at National and International level Conferences/ Seminars/ Workshops etc.
- Chaired technical sessions in National and International Conferences/ Seminars.
- Recognized Ph.D. Supervisor in Mathematics, University of Mumbai.
- Ex recognized Ph.D. Supervisor in Mathematics, RTM Nagpur University.
- Ex recognized Associate Ph.D. Supervisor in Mechanical and Structural Engineering (Interdisciplinary Research Work), Government College of Engineering, Chatrapati Sambhajinagar, an Autonomous Institute of Government of Maharashtra.

- Ph.D. Thesis examiner of Indian University.
- Life member of ISTE, ISTAM, IMS, MMS etc.
- Served as a member of **Academic Council**, University of Mumbai, Mumbai.
- Contributed as a **Chairman BOS** in Mathematics, University of Mumbai, Mumbai.
- Member of BOS in Mathematics, University of Mumbai, Mumbai.
- Ex member of RRC in Mathematics, University of Mumbai, Mumbai.
- Member of BOS in Mathematics, an Autonomous Institute, Government of Maharashtra, Government College of Engineering Jalgaon and Chatrapati Sambhajinagar.
- Member of BOS in Mathematics, RTM Nagpur University.
- Ex Member of BOS in Mathematics, Dr. Bhaba University, Mumbai.
- Member of BOS in Mathematics, Mithibai College, an Autonomous Institute, Mumbai.
- Ex Member of Board of Studies in Mathematics, Gondwana University, Gadchiroli.
- Ex Member of Life Long Learning and Extensions, University of Mumbai.
- Actively worked in Syllabus designing of B.Sc. and M.Sc. University of Mumbai.
- Designed Computational Lab for the purpose of Soft Computing at GCOE, Chatrapati Sambhajinagar.
- Actively worked in students related activities like admission, examination, cultural etc.

Participation in Professional Academic Activities :

1. Participated in the two days National Symposium on “Best Practices in Higher & Technical Educational Institutes” on 28th & 29th April 2022 organized by Vidyalankar Institute of Technology, Mumbai in the association with National Assessment & Accreditation Council, Bengaluru.
2. Participated in the Symposium on “Academic Leadership” on 21st to 23rd Jan. 2021 organized by RUSA, University of Mumbai.
3. Participated in the National Level online Webinar “NAAC Awareness Programme for Universities” on 9th Dec. 2021 organized by National Assessment & Accreditation Council, Bengaluru.
4. Participated in the Symposium on “Moodle Learning Management System” on 5th to 8th Aug. 2020 organized by Internal Quality and Assurance Cell, University of Mumbai.
