

Tejaswi Valu Kadam

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Career Objective: To earn knowledge and obtain skills in the field of Mathematics in pursuit of excellence and quality to benefit the society.

Educational Profile:

Course	Institute/School	University / Board	Percentage	Class	Year of Passing
Ph.D.	-	SPPU Pune			Pursuing
SET Mathematical Sciences	-	SPPU Pune			2019
M.Sc. Mathematics	K.T.H.M. College, Nashik.	SPPU Pune	69.10% CGPA: 8.25	Grade A	2018
B.Sc. Add. Subject Mathematics	K.T.H.M. College, Nashik.	SPPU Pune	88.00	1 st Class Distinction	2019
B.Sc. Statistics	Fergusson College, Pune.	SPPU Pune	73.47%	1 st Class	2016
H.S.C.	KTHM College, Nashik.	Maharashtra State Board	91.17%	1 st Class Distinction	2012
S.S.C.	Maratha High School, Nashik.	Maharashtra State Board	96.55%	1 st Class Distinction	2010

Academic Excellence:

- **MH SET (Mathematical Sciences) 2019** Qualified.
- Student Member of Institute of Actuaries of India (**IAI**).
- INSPIRE Scholarship for Higher Education (**SHE**) holder.
- High School Scholarship holder.
- Middle School Scholarship holder.

Work Experience:

1. Currently, working as an Academic Coordinator (Assistant Professor Level (Contractual)) (Mathematics) at Yashwantrao Chavan Maharashtra Open University, Nashik from 15/03/2024 to till date.
2. 1 Year as an Academic Coordinator (Mathematics) at Yashwantrao Chavan Maharashtra Open University, Nashik from 25/04/2023 to 14/03/2024.
3. 9 Months as an Assistant Professor at K.K.Wagh College of Engineering, Nashik from 01/08/2022 to 24/04/2023.
4. 3.5 Years as an Academic Coordinator at Yashwantrao Chavan Maharashtra Open University, Nashik.

From 12/10/2018 To 11/04/2019	Academic Coordinator, YCMOU, Nashik.
From 16/04/2019 To 15/10/2019	Academic Coordinator, YCMOU, Nashik.
From 22/10/2019 To 21/04/2020	Academic Coordinator, YCMOU, Nashik.
From 25/04/2020 To 24/10/2020	Academic Coordinator, YCMOU, Nashik.
From 29/10/2020 To 28/04/2021	Academic Coordinator, YCMOU, Nashik.
From 07/05/2021 To 06/11/2021	Academic Coordinator, YCMOU, Nashik.
From 22/06/2021 To 21/05/2022	Academic Coordinator, YCMOU, Nashik.
From 01/08/2022 To 24/04/2023	Assistant Professor, K.K.Wagh College of Engineering, Nashik
From 25 /04/2023 To Till Date	Academic Coordinator, YCMOU, Nashik.

Conferences:

- ❖ Actively **Participated and Presented a Research Paper** titled “Subpopulation Compartmental Mathematical Model for Viral Disease Transmission among Diabetic and Non- Diabetic Population” in the “**2nd International Conference on Recent Advances in Applied Mathematics (RAAM 2024)**” held at **Department of Mathematical Sciences, Indian Institute of Technology (BHU), Varanasi** during **July 03-05, 2024**.
- ❖ Actively **Participated and Presented a Research Paper** titled “An Age Structured Subpopulation SIR Epidemiological Model for Viral Disease Transmission among

Diabetic and Non- Diabetic Population” at **International Conference on Recent Trends in Mathematics and Statistics (ICRTMS 2025)**. organised by the School of Mathematical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon during February 07-08, 2025.

- ❖ **Actively Participated and Presented a Research Paper** titled “Stochastic Multigroup Model for Viral Disease Transmission among Diabetic and Non-Diabetic Population” at 8th **International Conference on Mathematical Modelling, Applied Analysis and Computation-2025 (ICMMAAC-25)** dated 1-3 August 2025, organized by JECRC University, Jaipur (Raj.) India.

Work Contribution at YCMOU:

Self-Learning Material Development:

- ❖ **Author for practical Book of V151: M.Sc. (Mathematics) {2023 Pattern} programme**
 1. MAT604: Mathematical Statistics & Combinatorics
YCMOU publication number: 2955
 2. MAT512: LaTeX and Programming in SageMath (Credit 03 and Credit 04)
YCMOU publication number: 2903
- ❖ **Edited practical Book MTV102: Programming in Python** of UGV03: B.Sc. (Honours) (Mathematics) programme.
- ❖ **Authored two practical activities for the course SECS101: Basic Instrumentation Skills** common for all of the UG Programmes as per NEP2020.
- ❖ **Authored Practical Workbook on Excel Applications in Statistics.**
- ❖ **Done Open Education Resources (OER) compilation** for the following courses of Post Graduate Diploma in Statistics:
 - Basic Mathematics 01
 - Basic Mathematics 02
 - Fundamentals of Statistics
 - Inferential Statistics
 - Sampling Theory and Regression
- ❖ **Worked on Syllabus and Course Structures** of the Programme Post Graduate Diploma in Statistics.
- ❖ **Developed the videos for the practical activities of the course DSS014 Excel Applications in Statistics** of the programme T105 PGDS/ V137 Diploma in Statistics
- ❖ **Developed the Video lectures** for the course S41441: Mathematics 04 of the programme V92 B.Sc. (PCM).
- ❖ **Total Video Lectures Prepared: 20**

Question Bank Preparation:

- ❖ Prepared Question Banks for the online examination held in December 2020 of various courses of the programme B.Sc. (PCM) and M.Sc. (Mathematics).
- ❖ Done Question Paper setting for the courses MCA013 Discrete Mathematics, MCA033 Advanced Discrete Mathematics, DSS013 Fundamentals of Statistics, Business Statistics and Business Mathematics.

Administrative Work:

- ❖ Contributed in the development and coordination of two new programmes have been undertaken in alignment with NEP2020. The details are as follows:
V157: M.Sc. (Mathematics with Computer Applications) {2025 Pattern}
UGV03: B.Sc. Honours (Major in Mathematics) {2025 Pattern}
 - This programme consists of a total of 55 courses including Major, Minor, Open Electives, VSC, SEC, CC, IKS, etc. across the first three years.
- ❖ Worked on the Preparation of Programme Proposal Form, Programme Development Form, Programme Project Report, Programme Launch Form, Programme Revision Form for the programmes on offer and upcoming new programmes of the School of AST as per the requirement, under the guidance of the Director, School of Science & Technology.
- ❖ Worked for documentation of various information of the School of AST required for the NAAC.
- ❖ Worked on drafting of School Council Minutes, Various Proposals, Transcript Certificate, Notices and letters under the guidance of the Director, School of Science & Technology.
- ❖ Communicated to the study centers and updated the contact details of all the study centers of on offer programmes for the AY 2020-21 and AY 2021-22.
- ❖ Communicated to the study centers for online admission process, expert details and about their queries.
- ❖ Responded to the students' queries regarding admission process, on offer programmes, new programmes offered by the school and online examination etc.

Others:

- ❖ Delivered the online lectures for S41141 Mathematics 01 course of the V92 B.Sc. (PCM) programme during online counselling sessions organized by School of AST.
- ❖ Delivered a lecture in Online SET/NET Workshop Organised by Panchavati College, Nashik on 21st August, 2021.

Workshops and Competitions:

- ❖ Participated in State Level Workshop on **Role of Mathematical Softwares in Teaching, Learning and Research** sponsored by Savitribai Phule Pune University, Pune.
- ❖ Participated in the Workshop on **Developing Capacities for Reference and Research: DELNET Discovery Services, Plagiarism and Academic Integrity and Digital Reference Management Tools** organized by DELNET- Developing Library network, New Delhi in collaboration with YCMOU, Nashik.
- ❖ Participated in the Workshop on **Development, Adoption and Implementation of Institutional Open Educational Resources (OER) Policy** at Yashwantrao Chavan Maharashtra Open University (YCMOU), Nashik supported by Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi.
- ❖ Participated in online workshop organised from 11th to 13th May, 2020 by Yashwantrao Chavan Maharashtra Open University, Nashik in Collaboration of CEMCA on **“Online Capacity Building of Teaching and Academic Staff On Development of MOOCs for ODL Learners”**
- ❖ Attended **Web Based NAAC Workshop** at Yashwantrao Chavan Maharashtra Open University, Nashik in Collaboration with Rashtriya Uchchatar Shiksha Abhiyan (RUSA), Mumbai on 13.08.2020.
- ❖ Participated in **One Week Lecture Series on “Python and its some applications in Mathematics”** organized by Department of Mathematics, K.T.H.M. College Nashik, during 12th to 16th August, 2021 under the UGC STRIDE Scheme.
- ❖ Participated in a **Workshop on “Research Methodology”** jointly organized by P.G. Department of Mathematics and Research Center, IQACL.V.H. College, Panchavati, Nashik, on 3rd March, 2022.
- ❖ Participated in **University Level Poster Competition** organized by L.V.H. College, Panchavati, Nashik on 24th April, 2022.
- ❖ Completed two credit course on Research & Publication Ethics conducted by SPPU, Pune.
- ❖ Successfully completed **Five Days Faculty Development Program on “Design , Development and Deliver Online/ Blended Learning Courses”** conducted by School of Online Learning, Yashwantrao Chavan Maharashtra Open University, Nashik from **29th April to 3rd May, 2024.**
- ❖ Actively Participated in **One Day “E-Content Video Script Writing Workshop”** organized by School of Online Learning, Yashwantrao Chavan Maharashtra Open University, Nashik on **21st May, 2024.**
- ❖ **Question Bank Development training** organized by Evaluation Division, Yashwantrao Chavan Maharashtra Open University, Nashik on **19th July, 2024.**
- ❖ Successfully attended the **Workshop on “Micro-Credentials: Introduction and Best Practices for Effective Design”**, which took place **from 7th to 9th August, 2024 at Tamil Nadu Open University (TNOU), Chennai.** This workshop was collaboratively organized by Tamil Nadu Open University (TNOU), Chennai and the Commonwealth Education Media Center for Asia (CEMCA), New Delhi.

- ❖ Successfully Completed **NPTEL course on Designing Learner-Centric MOOCs - MahaSWAYAM** to contribute in Indian Knowledge System MOOC development for MahaSWAYAM platform.
- ❖ Actively participated and successfully completed the National Level Workshop on **Research Paper Writing** organized by Prof. Ram Takwale Research and development center, Yashwantrao Chavan Maharashtra Open University, Nashik held on **26th and 27th November, 2024**.
- ❖ Attended the **Online Hands on NPTEL Workshop on Modelling and Simulation of Biological Processes** conducted by Dr. Mukesh Doble, Distinguished Professor, IIT Madras on **11-12 Jan, 2025**.
- ❖ Attended three days national level **workshop on Draft, Script and PPT Preparation** on **17th to 19 February, 2025**.
- ❖ Actively participated in and completed the **Workshop on AI for Academics and Administrative Excellence**, organized by the School of Digital Education at Yashwantrao Chavan Maharashtra Open University, Nashik, on May 22, 2025.
- ❖ Actively participated in and completed the **Workshop on प्रश्ननिर्मिती व अध्ययनाचे मूल्यनिर्धारण**, organized by the Evaluation Division at Yashwantrao Chavan Maharashtra Open University, Nashik, on May 23, 2025.
- ❖ Successfully Completed the **NEP2020 Orientation and Sensitization Programme under Malaviya Mission teacher Training Center**, National Institute of Educational Planning and Administration, New Delhi from **17-25 June 2025**.
- ❖ Actively participated in and completed the Two day **Workshop on Data Analysis**, organized by the Prof. Ram Takwale Research and development center, Yashwantrao Chavan Maharashtra Open University, Nashik held on **2nd & 3rd July, 2025**.
- ❖ Actively participated in and completed the One day **Workshop on Reading for Researches**, organized by the Prof. Ram Takwale Research and development center, Yashwantrao Chavan Maharashtra Open University, Nashik held on **4th July, 2025**.
- ❖ Actively participated in and completed the One day **Workshop on Use of AI in Day-to-Day Work & Research**, organized by the Prof. Ram Takwale Research and development center, Yashwantrao Chavan Maharashtra Open University, Nashik held on **23rd August, 2025**.
- ❖ **Software Knowledge:**
 - Knowledge of LaTeX software.
 - Knowledge of SciLab software.
 - Knowledge of R software.
 - Knowledge of Python software.

Computer Knowledge:

- Passed MS-CIT examination with 89%.
- Have working knowledge of computer MS Office, Excel, Power Point, Internet.