

## Curriculum Vitae

**Name:** Sandip Gangadhar Hiwale



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Aurangabad

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**Date of Birth:** 10<sup>th</sup> August, 1982

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### Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Class
M. Phil	Mathematics	Algappa Karaikudi	Algappa University Karaikudi	2007	62	<i>First Division</i>
M.Sc.	Mathematics	Maulana Azad Aurangabad	Dr. BAMU Aurangabad	2006	60	<i>First Division</i>
B.Ed.	Science	PSGVPM Shahada	NMU Jalgaon	2005	64.91	<i>First Division</i>

**Ph. D. Research:** Pursuing Ph.D in Mathematics at Swami Ramanand Teerth Marathwada University, Nanded.

**Key Research Areas:** Differential Equation

## Experience

Sr. No.	Organization	Post	From	To	No. of Years
1	Maharashtra Institute of Technology	Assistant Professor	3 <sup>rd</sup> Aug, 2007 to	Till date	14.8

### List of Courses Taught/Teaching at UG level

- Engineering Mathematics - I
- Engineering Mathematics - II
- Engineering Mathematics - III
- Engineering Mathematics – IV
- Vector and Partial Differential Equation
- Probability and Random Theory

### List of Courses Taught/Teaching at PG level

- Quantitative Technique

## Additional Assignments/Duties

- Working as NCC coordinator in institute 2020-21.
- Worked as member of Merit list verification in DTE. RO office 2020-21.
- Worked as committee head of video and photographer for Autonomy UGC Expert Team Visit.
- Worked as member of Out-Reach program 2020-21.
- Working as member of 'ANTI RAGGING' committee 2020-21.
- Worked as member of 'ANTI RAGGING' committee 2019-20.
- Worked as member of Institute Induction Program Cell 2019-20.
- Worked as member of Facilitation Centre (FC) 2019-20.
- Worked as member of 'ANTI RAGGING' committee 2018-19.
- Worked as Subject Expert for interviews of Faculties in CIPET: CSTS Aurangabad 2018-19.
- Worked as understudy in University exam Nov/Dec 2017-18.

- Worked as Subject Expert for Engineering Mathematics-II syllabus revision, First Year B. Tech 2016-17.
  - Worked as member of 'Central Library committee' 2016-17.
  - Worked as sport coordinator 2016-17.
  - Worked as member of 'ANTI RAGGING' committee 2016-17.
  - Subject expert for revision of First Year B. Tech (All) 2016-17 Syllabus.
  - Worked as member of 'Green Campus Club' 2015-16.
  - Worked as member of 'Central Library committee' 2015-16.
  - Worked as sport coordinator 2015-16.
  - Worked as member of 'ARC' Centre for Engineering 2015-16 (B. Tech).
  - Worked as member of 'Central Library committee' 2014-15.
  - Worked as member of 'ARC' Centre for NBA 2015-16.
  - Worked as Member of 'National Institute of Ranking Framework' (NIRF) 2016.
  - Worked as Member of 'National Institute of Ranking Framework' (NIRF) 2015.
  - Board of Studies 2015.
  - Worked as member of 'ARC' Centre for Engineering 2014-15.
  - Worked as Departmental NBA coordinator 2014.
  - Worked as Member of physical verification of library 2010-11.
  - Worked as 'Observer' in 'Academic Audit and Faculty Evaluation' Sept. 2013.
  - Worked as Departmental NBA coordinator Jan 2013.
  - Worked as Chairman of Physical dead stock and physical verification of library June 2012.
  - Worked as member of Governing body meeting 2012.
  - Member of Revision of syllabus committee (M-I and M-II) 2011.
  - Worked as Member of physical verification of library 2010-11.
  - Worked as understudy in University exam Nov/Dec 2011.
  - Examiner / Moderator for CAP YCMU open university, Nashik 2009.
  - Worked as Member of Admissions Committee for MIT from 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2016, 2017, 2019, 2020, 2021.
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- Worked as organizing committee member of Techno Minds 2k21 2020-21.
  - Worked as member of TARUNYABHAN 2019-20.
  - Worked as Registration committee member of Sciclone Feb 2019.

- Worked as judge for the event ‘Project and Poster Exhibition’ named as ‘DEEPSHIKHA, on 29<sup>th</sup> Sept. 2018.
- Worked as Coordinator of Sport Badminton (Single and Doubles), Footsal for Annual Social Gathering of MIT 2018.
- Worked as Coordinator of Sport Badminton (Single and Doubles) for Annual Social Gathering of MIT 2017.
- Worked as Chairman of Disciplinary Committee Member for Annual Social Gathering of MIT. (Kalavihangam 2018)
- Worked as Volunteer in Pagariya Auto 6<sup>th</sup> Get Going Marathon 2017.
- Worked as Convener in SCI-clone 2016-17.
- Worked in 'SuryaKumbh' Feb. 2016.
- Worked as Co-convener in SCI-clone 2014-15.
- Worked as member of Techno- Millennium 2012.
- Worked as Expert speaker, Judge Escorting Committee in Sciclone 2012.
- Worked as member of Industrial visit Organizer 2011-12 (Sem.-II).
- Worked as Team manager in 'Yuvak Mohasav'2011-12.
- Worked as Member of Disciplinary Committee Member for Annual Social Gathering of MIT.
- Worked as Hall & Seminar hall committee member, organizing committee of Sciclone Feb 2011.
- Worked as Disciplinary Committee member for Annual Social Gathering 2010-11
- Worked as Hall & Seminar hall committee member of Techno- Millennium 2010.
- Worked as organizing committee member for Sciclone - Feb 2010.
- Worked as judge for the event ‘GENESIS 2k9’ in 2009-10 (Essay Writing).
- Worked as a organizing committee member of the 7<sup>th</sup> ISTE student convocation of Maharashtra & Goa Chapter ‘RUTUMBHRA 08’ held on 15-16 Feb. 2008 at MIT, Aurangabad (M.S.)

### **Membership of Professional Bodies**

- Life member of Marathwada Mathematical Society.
- Member of IAENG International Association of Engineers.

## Computer/Software Proficiency

- MS office

## Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended

- Participated in the Faculty Development Program on Outcome Based Teaching-Learning, Pravara Rural Engineering College, Loni from 21<sup>st</sup> to 25<sup>th</sup> March, 2022.
- Attended one day National Workshop on Research Methodology in Mathematical Sciences, Rajeshri Shahu Mahavidyalaya (Autonomous), Latur 14<sup>th</sup> March, 2022.
- Participated in the National workshop on Introduction to R Programming, Department of Mathematics, Kai. Rasika Mahavidyalaya, Latur from 3<sup>rd</sup> to 5<sup>th</sup> Feb, 2022.
- Participated in the International Symposium on Mathematical Science and their Applications: MSATA-2022, Yogi Vemana University, Kadapa, India from 28<sup>th</sup> to 29<sup>th</sup> January, 2022.
- Participated in the National Webinar on Fractional Calculus, School of Mathematical Science, Kavayotri ahinabai Chaudhari North Maharashtra University, Jalgaon from 20<sup>th</sup> to 22<sup>nd</sup> October, 2021.
- Participated in the International Conference on Mathematical Modelling, Applied Analysis and Computation-2021 (ICMMAAC-21), JECRC University, Jaipur (Raj.), India from 5<sup>th</sup> to 7<sup>th</sup> August, 2021.
- Participated in the Faculty Development Programme on Recent Trends in Applications of Mathematics (RTAM), Chadalawada Ramanamma Engineering College (Autonomous), Tirupati from 12<sup>th</sup> to 17<sup>th</sup> July 2021.
- Participated in the Faculty Development Program on Mathematics and Statistics in Engineering Field, KPR Institute of Engineering and Technology, Arasur, Coimbatore from 5<sup>th</sup> to 10<sup>th</sup> July, 2021.
- Participated in the International Virtual Conference on Computational Mathematics-2k21, International Virtual Conference on Computational Mathematics-2k21, PPG college of Arts and Science, Coimbatore on 24<sup>th</sup> & 25<sup>th</sup> June, 2021.
- Participated in the Faculty Development Program on Emerging Trends in Mathematics and Statistics, Sree Saraswati Thyagaraja college, Coimbatore from 2<sup>nd</sup> to 8<sup>th</sup> June,

2021.

- Successfully completed one week online Short Term Training Program (STTP) on Applications of Mathematics, Adik Institute of Technology, Nerul, Mumbai from 24<sup>th</sup> to 26<sup>th</sup> June, 2021.
- Attended one day workshop on OBE Concept & Implementation and Digital Preparedness for NBA, Maharashtra Institute of Technology (An Autonomous Institute), Aurangabad on 29<sup>th</sup> May, 2021.
- Participated in the webinar on Hands on Training on Statistic Using R-programming, KPR Institute of Engineering and Technology, Arasur, Coimbatore on 25<sup>th</sup> May, 2021.
- Participated in the national webinar on Mathematical Approaches in Science and Engineering, Lords Institute of Engineering and Technology on 22<sup>th</sup> May, 2021.
- Attended Educational Summit on Outcome Based Education (OBE) and National Assessment and Accreditation Council (NAAC), Maharashtra Institute of Technology (An Autonomous Institute), Aurangabad on 14<sup>th</sup> and 15<sup>th</sup> May, 2021.
- Attended webinar on National Education Policy 2020, G.S. Mandal Maharashtra Institute of Technology, Aurangabad on 10<sup>th</sup> April, 2021.
- Participated in a two days workshop on An Insight into Mathematical Modelling in Information and Communication Engineering (MMICE), Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, Chennai on 26<sup>th</sup> and 27<sup>th</sup> March, 2021.
- Participated in the AICTE-ISTE sponsored one week virtual refresher programme on Applied Mathematics, M. Kumarasamy College of Engineering, Karur from 15<sup>th</sup> March 2021 to 20<sup>th</sup> March 2021.
- Successfully completed five days online FDP on An Introduction to Statistics in Engineering, National Institute of Technology Manipur sponsored by All India Council for Technical Education (AICTE), Langol, Manipur during 15<sup>th</sup> to 19<sup>th</sup> March, 2021.
- Participated in The Faculty Development Programme on Listening Students Mathematical Voice (LSMV), Rathinam College of Arts and Science, Coimbatore-21 on 9<sup>th</sup> February, 2021.
- Participated in a research study on Impact on Faculty Development Programmes (FDPs) for Technical Teachers in India, National Institute of Technical Teachers'

Training and Research, Bhopal on 11<sup>th</sup> January, 2021.

- Attended webinar on Process of Innovation Development, G.S. Mandal Maharashtra Institute of Technology, Aurangabad on 8<sup>th</sup> January, 2021.
- Participated in 9th National Conference on Mathematics Education during 20<sup>th</sup> to 22<sup>nd</sup> December, 2020 organized by National Council of Educational Research and Training Regional Institute of Education, Bhopal.
- Participated in the webinar on Singular Value Decomposition and its Applications, Sacred Heart College of Women, Chalakudy on 30<sup>th</sup> December, 2020.
- Participated in the faculty development program on Maths India Week Celebration, Rathinam College of Arts and Science, Coimbatore-21 from 14<sup>th</sup> to 22<sup>nd</sup> December, 2020.
- Participated in the faculty development program on Applications of Mathematics and Statistics in Engineering (AMSE-2020), Malla Reddy Engineering College (Autonomous), Secunderabad from 23<sup>rd</sup> to 27<sup>th</sup> November, 2020.
- Participated in the faculty development program on Recent Developments in Mathematical Sciences (RDMS), Central University of Jharkhand, Ranchi, from 6<sup>th</sup> to 10<sup>th</sup> November, 2020.
- Participated in the National Webinar on Radial Graphs and its Applications, VET Institute of Arts and Science, Erode on 23 October, 2020.
- Participated in the International Conference on Emerging Trends in Mathematics and Statistics (ICETMS-2020 online) during 21<sup>st</sup> to 23<sup>rd</sup> October, 2020 organized by Post Graduate Department of Mathematics & Statistics and IQAC, St. George's College Aruvithura, Kottayam in association with Kerala Mathematical Association (KMA).
- Participated in the online workshop on Universal Human Value on the theme Inculcating Universal Human Values in Technical Education, All India Council for Technical Education (AICTE) from 12<sup>th</sup> to 16<sup>th</sup> October, 2020.
- Participated in the One Day International Webinar on Technological Trends in Mathematics and Statistics (TTMS-2020), Yashwantrao Chavan Institute of Science, Satara on 26<sup>th</sup> September, 2020.
- Attended a webinar on New Way of Effective Teaching Learning, Deogiri Institute of Engineering and Management Studies College, Aurangabad on 17<sup>th</sup> September, 2020.

- Participated in the international workshop on Geometry of Continued Fractions: Ramanujan and his successors, Central University of Himachal Pradesh, Dharmshala, Kangra, Hamachal Pradesh on 14<sup>th</sup> & 15<sup>th</sup> September, 2020.
- Participated in the Five Days International e-Seminar on Recent Research in Mathematics (ISRRM-2020), Gandhi Institute of Technology And Management (GITAM), Bengaluru from 11<sup>th</sup> to 15<sup>th</sup> September, 2020.
- Participated in the international webinar on Mathematics in Data Analysis and Internet Security During Covid-19 Pandemic, Kalyani Mahavidyalaya, Kalyani, Nadia, West Bengal on 9<sup>th</sup> & 10<sup>th</sup> September, 2020.
- Participated in a national webinar on How to Handle Mathematical Lectures Using Online Technological Tools Guru Nanak Centre for Research (GNCR), Guru Nanak College (Autonomous), Guru Nanak Salai, Velachery, Chennai on 5<sup>th</sup> September, 2020.
- Participated in one week online Short Term Training Program (STTP) on Linear Algebra and Statistic for Engineers and Scientists (LS and SES-2020), Government College of Engineering, Aurangabad from 2<sup>nd</sup> Sept. to 6<sup>th</sup> Sept., 2020.
- Participated in a two days national workshop on Challenges and Opportunities for Mathematics in the Present Global Scenario Govt. Shyama Prasad Mukharjee College, Sitapur, Surguja and Sarswati Mahavidyalaya Sitapur, Surguja Chhattisgarh on 30<sup>th</sup> and 31<sup>st</sup> August, 2020.
- Participated in the four day faculty development program on Applications of Mathematics in Engineering (Series-IV), KPR Institute of Engineering and Technology, Arasur, Coimbatore from 25<sup>th</sup> to 28<sup>th</sup> August, 2020.
- Successfully completed one week online Short Term Training Program (STTP) on TRAINING OF TRAINERS (UNDER TCL PROJECT), National Institute of Technical Teachers' Training and Research, Bhopal (Ministry of Human Resource Development) from 17<sup>th</sup> to 21<sup>st</sup> August, 2020.
- Participated in national webinar on Dealing with Mental Health during Covid-19, The S.I.A. college of Higher Education, Thane on 17<sup>th</sup> August, 2020.
- Successfully completed a two days workshop on Python Software Modern college of Arts, Science and Commerce Ganeshkhind, Pune on 13<sup>th</sup> and 14<sup>th</sup> August, 2020.



- Participated in online Short Term Training Program (STTP) on Matlab and Mathematica for Scientific Research, Arul Anadar College (Autonomous), Madurai from 27<sup>th</sup> July to 29<sup>th</sup> July, 2020.
- Participated in three day national webinar on Advances in Mathematics, Shrikrishna Mahavidyalaya, Gunjoti on 24<sup>th</sup> to 26<sup>th</sup> July, 2020.
- Attended one day national webinar on Advances & Applications of Mathematics, M. S. P. Mandal's Art's, Commerce & Science College Kille-Dharur on 22<sup>nd</sup> July, 2020.
- Participated in the five day faculty development program on Mathematical Concept by Using Free Open Source Softwares (Foss), BMS Institute of Technology and Management, Bengaluru on 21<sup>st</sup> to 25<sup>th</sup> July, 2020.
- Attended one week online Short Term Training Program (STTP) on Application of Mathematical Sciences, K.D.K. College of Engineering in association with Indian Society for Technical Education, New Delhi (ISTE) on 13<sup>th</sup> July to 18<sup>th</sup> July, 2020.
- Attended webinar on Writing Research Paper, G.S. Mandal Maharashtra Institute of Technology, Aurangabad on 7<sup>th</sup> July, 2020.
- Participated in webinar on Qualitative Theory of Nonlinear Fractional Differential Equations, Milind College of Science, Aurangabad on 5<sup>th</sup> July, 2020.
- Attended National level one week online faculty development program on MATHEMATICS: A Practical Approach in Science and Technology, Deogiri Institute of Engineering and Management Studies College, Aurangabad on 28<sup>th</sup> June to 3<sup>rd</sup> July, 2020.
- Completed two week online faculty development program (MOOC) on Effective Use of ICT Tools in Online Teaching, G.S. Mandal Maharashtra Institute of Technology, Aurangabad on 22<sup>nd</sup> June to 4<sup>th</sup> July, 2020.
- Attended national webinar on Application of Algebra and Analysis, Shri Muktanand College, Gangapur, Dist. Aurangabd on 14<sup>th</sup> June, 2020.
- Attended webinar on Outcome Based Education Software, vmedulife software services on 11<sup>th</sup> June, 2020.
- Completed National Level one week faculty development program on Open Source Tools for Research, Teaching Learning Centre, Ramanujan college, University of Delhi sponsored by Ministry of Human Resource Development Pandit Madan Mohan Malaviya on 8<sup>th</sup> June to 14<sup>th</sup> June, 2020.

- Attended webinar on Waste to Energy, G.S. Mandal Maharashtra Institute of Technology, Aurangabad on 5<sup>th</sup> June, 2020.
- Attended webinar on Energy and Environment: Challenges & Opportunities, G.S. Mandal Maharashtra Institute of Technology, Aurangabad on 5<sup>th</sup> June, 2020.
- Attended webinar on Entrepreneurship, Government College of Engineering, Aurangabad in association with Lemon School of Entrepreneurship, Nagpur on 4<sup>th</sup> June, 2020.
- Attended webinar on Advanced Digital Content Creation Tools and Techniques for Education, AISSMS COE, Pune on 31<sup>st</sup> May, 2020.
- Attended a one day faculty development program on National Level Faculty Development Program on Fundamentals of Writing a Research Paper, ICBM-School of Business Excellence, Hyderabad on 22<sup>nd</sup> May, 2020.
- Attended a three day International Conference on Creating Sports culture in Universities, SGT University, Gurugram on 9<sup>th</sup> to 11<sup>th</sup> May 2020.
- Attended webinar on Impact of Global Pandemic on Engineering, G.S. Mandal Maharashtra Institute of Technology, Aurangabad on 6<sup>th</sup> May, 2020.
- Attended a two days workshop on Techno-Economic Assessment of MSMEs in Rural Areas under Unnat Maharashtra Abhiyan (UMA) GIT, Khed, Ratnagiri on 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
- Attended a three day faculty development program on Faculty Development Program for Student Induction under AICTE in CSMSS Chh. Sahu College of Engineering, Aurangabad on 27-29 May 2019.
- Attended a one week Refresher Course on Use of ICT for Effective Teaching Learning Process in Maharashtra Institute of Technology, Aurangabad on 8<sup>th</sup> Jan to 12<sup>th</sup> Jan 2019.
- Attended a three days workshop on Teaching Methodologies for Engineering Mathematics, Deogiri Institute of Engineering and Management Studies College, Aurangabad on 23<sup>rd</sup> to 25<sup>th</sup> June 2018.
- Attended a two day faculty development program on An Advance English Communication and Teaching Techniques, Maharashtra Institute of Technology Aurangabad on 2<sup>nd</sup> & 3<sup>rd</sup> Jan 2018.
- Attended a two day workshop on Outcome Based Education in Maharashtra Institute of Technology, Aurangabad on 4<sup>th</sup> & 5<sup>th</sup> December 2017.

- Attended a one week Refresher Course on Use of ICT for Effective Teaching Learning Process in Maharashtra Institute of Technology, Aurangabad on 27<sup>th</sup> June to 1<sup>st</sup> July 2017.
- Attended a one week ISTE approved STTP on Understanding Application of Mathematics in Engineering Discipline, Vishwakarma Institute of Information Technology, Pune on 23<sup>rd</sup> to 28<sup>th</sup> Nov. 2015.
- Attended a one day workshop on Outcome Based Education in Maharashtra Institute of Technology, Aurangabad on 27<sup>th</sup> Sept. 2014.
- Attended a one day workshop on Revised Syllabi of Engineering Mathematics I and II in Deogiri Institute of Engineering and Management Studies College, Aurangabad on 20<sup>th</sup> October 2011.
- Attended a two day conference on Mathematical Applications in various field, PES Engineering college, Aurangabad on 2<sup>nd</sup> Feb. 2009 to 3<sup>rd</sup> Feb. 2009.
- Attended a three day faculty development program in Engineering Education Foundation, Pune (Aurangabad Chapter), MIT Auranagabad on 4<sup>th</sup> Feb. 2008 to 6<sup>th</sup> Feb. 2008.

#### **Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference organized**

- Worked as an organizing committee member for One Day Regional Workshop on Applications of Engineering mathematics in various Engineering Discipline organized by Marathwada Institute of Technology Engineering College, Aurangabad on 11<sup>th</sup> Feb.2012.
- Worked as an organizing committee member of the 7<sup>th</sup> ISTE student convocation of Maharashtra & Goa Chapter 'RUTUMBHRA 08' held on 15-16 Feb. 2008 at MIT, Aurangabad (M.S.).
- Worked as organizing committee member of workshop on 'Nonmaterial's and Nanotechnology' 15-17 Sept. 2013.

#### **NPTEL Certification**

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
10 July, 2017	Jul-Aug 2017	4 Weeks	Outcome Based Pedagogic Principles For Effective Teaching	57	Successfully completed
29 July, 2019	20 Sept, 2019	8 Weeks	Teaching and Learning in Engineering (TALE)-II	58	Successfully completed

Date: 11-05-2022

Place: Aurangabad