


<b>Name:</b> <i>MANIKANDAN K</i>				
<b>Designation:</b>	<i>Assistant Professor</i>			
<b>Qualification:</b>	<i>M.Sc., M.Phil., TNSET(2018), P.hD.(Pursuing)</i>			
<b>Area of specialization:</b>	<i>Applied Probability and Stochastic Model</i>			
<b>Experience:</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>	
	-		<b>9 Y 11M</b>	
<b>Number of workshops / FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>	
	<b>12</b>		<b>16</b>	
<b>Publications:</b>	<b>Conference</b>		<b>Journal</b>	
	<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>
	-	-	-	-
<b>Books / Book Chapters</b>	-			
<b>Patents:</b>	<b>National</b>		<b>International</b>	
	<b>01</b>		-	
<b>Professional Body Membership</b>	<i>IEEE</i>			
<b>Staff Achievements</b>	<i>Producing good result in previous institutions Tireless effort and contributed constant support for the achievement of National Board of Accreditation 2017-2018 at VTMT</i>			

**Educational Qualifications:**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.,	Mathematics	2010	Government Arts College (Autonomous), Salem –600 007.	Periyar University	84.20	I Class with distinction
PG	M.Sc.,	Mathematics	2012	Government Arts College (Autonomous), Salem –600 007.	Periyar University	73.11	I Class
	M.Phil.,	Mathematics	2013	Government Arts College (Autonomous), Salem –600 007.	Periyar University	80.26	I Class with distinction
	TNSET	Mathematics	2018	Mother Teresa Women's University	Mother Teresa Women's University	196	
	Ph.D.,	Mathematics		Sri Sai Ram Engineering College	Anna University		Pursuing 2024

**Academic Experience:**

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Mahendra Engineering College (Autonomous)	Lecturer	05.08.2013	15.07.2016	2	11	15
Veltech Multitech Dr. Rangarajan Dr.Sakunthala Engineering College Chennai	Assistant Professor	27.06.2017	24.12.2018	1	6	0
St. Peter's Institute of Higher Education and Research, Chennai	Assistant Professor	01.07.2019	30.06.2022	3	0	0
Sri Sairam Engineering College, Chennai	Assistant Professor	01.07.2022	Till date	2	5	21
				<b>9</b>	<b>11</b>	<b>1</b>

**Workshops Conducted:**

1. Acted as a Member of the Registration Committee in Workshop on “Probability and Random Process”, Organize by Department of Mathematics, Mahendra Engineering College (Autonomous), Mahendhirapuri, Namakkal, during 15-16, February 2014.
2. Acted as a Member of the Registration Committee in the Faculty Deeper Learning Programme on Transform and Partial Differential Equations, Organized by Department of Mathematics, Veltech Multitech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai, during 21<sup>th</sup> to 29<sup>th</sup> June 2018.
3. Acted as a Member of the Registration Committee in 2<sup>nd</sup> National Conference on Recent Advances in Mathematics, Organized by Department of Mathematics, St. Peter’s Institute of Higher Education and Research, during 12<sup>nd</sup> & 13<sup>rd</sup> July 2019.
4. Acted as a Member of the Registration Committee in 2<sup>nd</sup> National Workshop on Open Source Mathematics Software and its Applications, Organized by Department of Mathematics, St. Peter’s Institute of Higher Education and Research, during 22<sup>nd</sup> & 23<sup>rd</sup> October 2021.

**Invited Talks:**

1. Teacher’s Acclaimed Seminar for Knowledge Sharing on “Real World Math” on 11.02.2015 at Mahendra Engineering College (Autonomous), Tiruchengode.
2. Faculty Deeper Learning Programme on “Computer Science and Engineering (Mathematical Applications)” on 17.11.2015 at Mahendra Engineering College (Autonomous), Tiruchengode.
3. Inter Department Lecture on “A Modern Approach to Reasoning and Advanced Engineering Mathematics” on 23.03.2016 at Mahendra Engineering College (Autonomous), Tiruchengode.
4. Faculty Deeper Learning Programme on “Linear Algebra” on 11<sup>th</sup> to 19<sup>th</sup> June at Veltech Hightech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai.

**Employment Experiences:**

1. Trainer for Quantitative Aptitude, Reasoning for Mahendra Arts and Science (Autonomous), Namakkal.
2. Trainer for Quantitative Aptitude, Reasoning for (Talent 2 success) KSR College, Namakkal.
3. Trainer for Quantitative Aptitude, Reasoning for SKP Engineering College, Thiruvannamalai.
4. Trainer for Quantitative Aptitude, Reasoning for Anna University BIT Campus, Tiruchirappalli.
5. Trainer for Quantitative Aptitude, Reasoning for (Launchpad LLC) Government Arts College (Autonomous), Kumbakonam – 612002.

**Workshops:**

1. Online workshop on Mathematical sciences for UGC - CSIR / NET /SET /GATES on 11<sup>th</sup> to15<sup>th</sup> May 2020 at Sree Narayana Guru College, Coimbatore.
2. Online workshop on "Scientific writing for journals" on 20.05.2020 at Springer Nature.
3. National level Online Workshop on "Research Methodology " on 14<sup>th</sup> to16<sup>th</sup> June 2021 at Christian Eminent College, Indore.
4. Online Workshop on "Role of Technology and Specific Tools in Research on 28<sup>th</sup> June to 03<sup>th</sup> July 2021 at SGT University, Delhi –NCR.
5. National E-Workshop on the theme " Learn Physics and Mathematics Practically" on 17.08.2021 at S. Government College of Science Education and Research, Jagraon.
6. 2nd National workshop on open source Mathematics Software and its applications on 23<sup>th</sup> to 24<sup>th</sup> Oct 2021 at SPIHER, Chennai.
7. Online Workshop on "The Usages Application of Reaxys Database" on 27<sup>th</sup> to 28<sup>th</sup> Jan 2022 at SGT University, Delhi –NCR.
8. Online Workshop on "Chem Draw & chem sketch software learning” on 28<sup>th</sup> to 29<sup>th</sup> Jan 2022 at SGT University, Delhi –NCR.
9. One Week International Workshop on “ Numerical Analysis of Ordinary and Fractional Partial Differential Equations” on December 27 to 31, 2022 at Government Tilak PG College, Katni, MP, India.
10. Two Week International Workshop on “ Value Added Course on Writing Research Paper in LaTeX ” on 31st October - 12th November, 2022 at Govt. V. Y. T. PG. Autonomous College, Durg (C.G).
11. Three day workshop titled “Scientific Computing using Mathematica” organized by Mathematics club, Department of Freshman Engineering of Geethanjali College of Engineering and Technology, Hyderabad during 23rd - 25th May 2024.
12. Three day workshop on Advanced Linear Algebra, which was organized from 05th July 2024 to 07th July 2024 by Continuum Math Society, Department of Mathematics, NIT Jamshedpur.

**FDP:**

1. Online FDP on "Innovative Approaches in Mathematics-Lecture Series on 30<sup>th</sup> April to 01<sup>th</sup> Jan 2020 at Sree Saraswathi Thyagaraja College, Pollachi.
2. National level online interdisciplinary FDP on "Inclusive Indian traditions for a holistic global education” on 03<sup>th</sup> to 09<sup>th</sup> May 2020 at Coimbatore.
3. FDP on Teaching, Learning and Evaluation through Google classroom " on 13.05.2020 at Sri. G.V.G Visalakshi College for women, Udumalpet.
4. Three day FDP on " Statistics through R- Programming on 26<sup>th</sup> to 28<sup>th</sup> May 2020 at KPRIET, Coimbatore.
5. National FDP on "Aspects of Research Paper Writing " on 25<sup>th</sup> to 26<sup>th</sup> June 2021 at Khandelwal Vaish Girls Institute of Technology, Jaipur.

6. Lecture Series for Undergraduate Students Mathematics : Core Topics of Algebra and Analysis on 2<sup>th</sup> to 7<sup>th</sup> Aug 2021 at Uttarakhand Science Education and Research Centre, Uttarakhand.
7. Two week International FDP on “Research Perspectives in Mathematics and its Applications” on July 4 to July 16 2022 at Sathyabama Institute of Science and Technology , Chennai.
8. One week International FDP on “ Innovative Mathematical Techniques in Research " on 1<sup>st</sup> to 6<sup>st</sup> Aug 2022 at Sathyabama Institute of Science and Technology , Chennai.
9. Two Week Online International FDP on "Current Trends in Applications of Mathematics", organized by the Department of Mathematics, Vel Tech Dr. Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai- 62, from 21-09-2022 to 04-10-2022.
10. One Week FDP on “Recent Trends in Mathematics and its Applications organized by AICTE–Skill” on 06.02.2023 to 11.02.2023 at Sathyabama Institute of Science and Technology , Chennai.
11. One Week FDP on “Applied Statistical Methods for Research” organized by Division of Mathematics, School of Advanced Sciences during 3 – 7 April 2023 at Vellore Institute of Technology, Chennai.
12. One Week FDP on “Recent Trends In Graph Theory” organized by Division of Mathematics, School of Advanced Sciences during 8 – 12 May 2023 at Vellore Institute of Technology, Chennai.
13. Fifteen Days International Virtual FDP "Frontiers of Mathematics" organized by SRM Institute of Science and Technology, Chennai, from 5-19 July 2023.
14. Lecture Series on Number Theory on 10<sup>th</sup> to 13<sup>th</sup> Aug 2023 by Prof. Takao Komatsu, Department of Mathematical Sciences, Zhejiang Sei - Tech University, Hangzhou, China, Organized by the Department of Mathematics, Sant Longowal Institute of Engineering & Technology, Punjab, India.
15. 3-Day Online National Level Faculty Development Program on “Foundational Sciences: The Cornerstones of Engineering” organized from 8th August 2024 to 10 August 2024 by Department of Freshman Engineering at Sphoorthy Engineering College, Hyderabad.
16. Five Day Virtual Faculty Development Programme on “Recent Frontiers in Pure & Applied Mathematics” organized by the Department of Mathematics, Kongunadu Arts and Science College(Autonomous) under DBT Star College Scheme between 11.11.2024 and 15.11.2024 through MS Teams.

**Conference Attended:**

1. *27th International Conference of International Academy of Physical Sciences (CONIAPS XXVII) on "Recent Advances in Pure and Applied Algebra" on 26<sup>th</sup> to 28<sup>th</sup> Oct 2021 at NIT, Jamshedpur.*

**Patent:**

1. Application No. 202341077071, Date of filing of Application: 10/11/2023, Publication Date: 22/12/2023, Title of the invention: Effective Computational Techniques for Resolving Nonlinear Partial Differential Equations.
2. Application No. 425948-001, Date of filing of Application: 06/08/2024, Title of the invention: Graphical representation tool for mathematical Functions.

**Online Courses:**

1. Completed all eight modules in NITTTR.
2. Completed the NPTEL course on Linear Algebra within the academic year Jan to Apr 2024.
3. Completed the NPTEL course on Introduction to Abstract Group theory within the academic year July to Sep 2024.
4. Completed the NPTEL course on Introduction to Probability Theory and Stochastic Processes with, in the academic year July to October 2024.