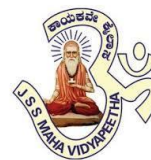





JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Mathematics.



FACULTY PROFILE

1. Personal Details

NAME	Dr. VINITA KHEMCHANDANI	
DEPARTMENT	MATHEMATICS	
DESIGNATION	ASSISTANT PROFESSOR	
PHONE	9811012919	
EMAIL ID	vineeta@jssaten.ac.in	
Date of Joining (JSSATEN)	15-07-2009	

2. Experience

Total Experience in Years: 15	Teaching: 15	Industry: - Nil	Research: - 4
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
M.Sc	Mathematics	2005	University of Rajasthan, Jaipur	Rajasthan University
M.Phil.	Mathematics	2007	University of Rajasthan, Jaipur	Rajasthan University
Ph.D.	Computational Fluid Dynamics	2017	University of Rajasthan, Jaipur	Rajasthan University
Post Doc.	-	-	-	-

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 03	National: 00
Papers Published in SCOPUS indexed Journals	International: 02	National: 00
Papers Published in other Journals	International: 04	National: 00
Papers Presented in	International: 02	National: 02

Conferences / Symposium		
Books / Book chapters Published	Name of the book: “DIFFERENTIAL EQUATIONS” Publisher: Bookland Publication, ISBN:9788194337829 for Dibrugarh University Year of Publication: 2020 Name of the book: “ENGINEERING MATHEMATICS-III” Publisher: Saroj Publication Year of Publication: 2008	

5. Research Guidance NIL

PhD Guide? Give field & University	-	-
PhDs / Projects Guided	-	-

6. Grants

i. Funds Received (Projects) NIL

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

ii. Patents: 1

Sl. No.	Title Details	Details of award of patent / Published
1	A Lagrange and Poisson Distribution Based Method Controlled with Artificial Neural Network for various utilities	App. No. 202311004609 A Pub. Date -10/02/2023

iii. Consultancy NIL

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

7. Publications

i. International Journals

Sl. No.	Title of the paper	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	“Modelling and Reliability Analysis of Power Cables Used as a Two Unit Hot Standby System with Preference of Repair over Replacement”	J. Phys.: Conf. Ser. 1770 012089	Vol. 1170, 2021 doi:10.1088/1742-6596/1770/1/012089	WOS/ SCOPUS	0.55	Journal of Physics Conference Series
2	“Entropy analysis of a coupled-convection flow through a vertical channel partially filled by a porous medium with injection/suction and slip boundary conditions”	Heat Transfer-Asian Research)	Vol.46 Issue 7, 2017 doi/10.1002/htj.21252	WOS/ SCOPUS	2.42	Wiley
3	“Entropy generation in the Poiseuille	Advances in Applied Science Research)	Vol. 4 Issue 4, 2016	-	-	Pelagia Research Librabry

	flow of a temperature dependent viscosity fluid through a channel with a naturally permeable wall under thermal radiation”					
4	“Numerical Solution of Unsteady Boundary Layer Flow and Heat Transfer Through A Porous Medium Adjacent to A Stretching”	International journal of Energy and Technology	Vol. 1, Issue 2, 2014	-	-	-

ii. National Journals

1	“Radiation effects on unsteady two-dimensional flow through a porous medium over a stretching sheet with slip boundary conditions”	IJREAM	Vol. 5, Issue 4, 2019	-	-	IJREAM
2	“Slip effects on unsteady mixed convection boundary layer flow through porous medium past a vertical stretching sheet and entropy	J.Rajasthan. Acad. Physical Science	Vol. 15, Issue 1&2, 2019	WOS	-	University of Rajasthan

	generation”					
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iii. Conferences

Sl. No.	Title of the paper	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Computational Elucidation of an Unsteady Boundary Lamina Flow with the Heat Transfer Effects Adjoining to an Extending Sheet via a Permeable Channel"	National Conference on Mathematical Sciences for Applied and Agricultural Research, CCS Haryana, Hisar	February-2022			NMD (Book Chapter)
2	Reliability Models: A Comparative Study of a 2-Unit Hot Standby Systems with and without Inspection Policy	National Conference on Mathematical Sciences for Applied and Agricultural Research, CCS Haryana, Hisar	February-2022			NMD (Book Chapter)
3	“Comparative Study under Inspection Policy of the Reliability Models of 33 KV supply wire used in Metro Railways”	Role of Applied Statistical Techniques in Interdisciplinary Research RRAST-2020	ISBN: 978-620-4-18183-7, 2021			Lap Lambert Academic Publishing (Book Chapter)
4	“Comparative analysis of reliability models of an electric wire (33 KV)used	Comparative analysis of reliability models of an electric wire (33 KV)used in	AS 25, UIN: 1665, Pg. 62, NMD 2020			NMD (Book Chapter)

	in metro railways under inspection policy” in one day National Seminar on Mathematical”	metro railways under inspection policy” in one day National Seminar on Mathematical				
5	“Reliability Modelling and Availability Analysis of Power Cables Used as a Two Unit Hot Standby System in Metro Railways”	IEEE - International Conference On Recent Innovations In Electrical, Electronics & Communication Engineering - (ICRIEECE, proceedings)	2018	SCOPUS		IEEE

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Attended one week International FDP on “Applicability of Mathematical Sciences in emerging world” by the Department of Mathematics, Sathyabama Institute of Science and Technology, Chennai.	Sathyabama Institute of Science and Technology, Chennai	07-08-23 to 12-08-23
2	One week FDP “Curriculum Design and Evaluation” by Curriculum Development Centre Department at NITTTR Chandigarh.	NITTTR, Chandigarh	24-04-23 to 28-04-23
3	Innovation Ambassador Training Foundation Level	MOE’s Innovation Cell	Academic Year 2021-22
4	International FDP on “Innovative Mathematical Techniques in Research”	Sathyabama Institute of Science and Technology, Chennai	1/08/2022 to 8/08/2022
5	Elsevier Author workshop: Compliment Journals with reference books On Science Direct	Elsevier	28/07/2022
6	FDP on Cyber Crime and Forensic	Information Management	23/05/2022 to

	Tools	and Emerging Engineering Department at JSS Academy of Technical Education, Noida, Uttar Pradesh	27/05/2022
7	FDP on a2z of “NBA”	Department of Electronics and Communication, IPEC, Ghaziabad	24-08-2021 to 09-09-2021
8	Elsevier Author workshop: Essentials of Research Article Writing	Elsevier	28 th May 2021
9	Scilab test “Spoken Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt. of India	Jawahar Lal Nehru Technological University, Kakinada	May 2020
10	FDP on UHVPE	Galgotias College of Engineering and Technology, Gautam Buddha Nagar	29-06-2020 to 06-07-2020

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	Organized webinar on “Mathematics in Quantum Computation” by an alumnus Mr. Aman Gupta, M.Sc. Physics, IIT Roorkee, Quantum Research Associate, Qulabs, Pvt. Ltd., Hyderabad	Department of Mathematics & JSSATE, NOIDA Alumni Association	16-09-23	Coordinator
2	Organized guest lecture for B.Tech. First Year on “Digital Metamorphosis: Transforming Academic Landscape	Department of Mathematics & JSSATE, NOIDA Alumni Association	24-11-22	Faculty Coordinator

	in the post pandemic world” by an international speaker Mr. Prashant Pandey(Alumnus), Director of Library Sciences (IT), Flinders University, Adelaide, South Australia.			
3	Organized Guest Lecture on “Latest trends on IT” by an international speaker Mr. Saurabh Pandey, Asst. director, Dept. of Defense, Canberra, Australia.	Department of Mathematics & JSSATE, NOIDA Alumni Association	2nd September 2022	Faculty coordinator
4	Two day workshop on “Effective Teaching and Learning” in collaboration with IIT, Guwahati	JSSATE, NOIDA	18-06-22 to 20-06-22	Faculty Coordinator & emcee stage
5	SDP ON C++	JSS Academy of Technical Education, NOIDA	28-05-2022	Organizing committee member
6	International Webinar- “Introduction to MATLAB”	JSS Academy of Technical Education, NOIDA	17-09-2021	Organizing committee member
7	One day National webinar on the topic “The Universe and Mathematical	JSS Academy of Technical Education, NOIDA	11-06-2020	Organizing Secretary

	Modelling”			
8	AICTE recognized STC on “Operations Research through ICT”	Applied Science Department in JSSATE,NOIDA NITTTR	28-03-2016 to 01-04- 2016	Member

8. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	“Introduction to Artificial Intelligence (AI)”	COURSERA	27-11-2022	95.5%
2	“Matrix Algebra for Engineers”	COURSERA	01-07-2021	100%
3	“Vector Calculus for Engineers”	COURSERA	11-08-2020	95%
4	“Transform Calculus and its application in Differential Equation”	NPTEL	30-5-2020	95%
5	“Mathematical methods and its application”	NPTEL	30-05-2019/Elite Sliver	78%
6	“Multivariable Calculus”	NPTEL	30-5-2018/Elite	74%

9. Any other information you will like to share about your professional experience

Appointed as Member of Institute Innovation Cell . Guest Lectures

1. Invited for an expert lecture in “Amity University Noida” on the Topic “Real Life Application of Fourier Transform” on 21 October 2020.
2. Invited for an expert lecture in “Amity University Noida” on the Topic "Real life Application of Partial Differential Equations" on 5th June 2021.

3. Invited for an expert lecture in “Amity University Noida” on the Topic “Real Life Applications of Ordinary Differential Equations”, on 21st May 2022.

INITIATIVES/KEY ACCOMPLISHMENTS

1. Won the Best Presentation Paper award in National Conference on Mathematical Sciences for Applied and Agricultural Research, CCS Haryana, Hisar on February 22, 2022.
2. Participated and got first prize in State level Literacy Mission Competition.
3. Participated in Dance Competition at University level.

KEY STRENGTHS

- Versatile, quick learner and adaptable
- Have eye for detail and excellent debugging and problem solving skills
- Analytical and quality bent of mind
- Focused and planned
- Excellent multi-tasking and time management skills

AREAS OF INTEREST

- Interacting with people
- Listening to music, singing and drawing

Thanks

Dr. Vinita Khemchandani