

DEPARTMENT OF SCIENCE AND HUMANITIES

Department of Mathematics

Name: Dr. V. VIJAYALAKSHMI	
Designation:	Associate Professor
Qualification:	M.Sc., M.Phil., B. Ed, P.G.D.C.A., Ph.D.,
Area of Specialization:	Stochastic Process
Experience:	Teaching: 19.7 Yrs. UG: 17.7. PG: 2
	Industry: -NIL
No. of workshop/Conferences/ FDP attended:	05/30/10
Publication:	Journal National: - 01 International: 05
	Conference National: 2 International: 11
Membership :	INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE)
Achievements:	• Certificate of appreciation for the results. • Certificate of appreciation for first year academic coordinator. • Certificate of appreciation for the coordinator of extension Activities.

Workshop / Conferences / FDP attended : 05/30/10

PUBLICATIONS

1. Published a Paper entitled "**Mathematical Models for the Study of HIV/AIDS Epidemic**" in the journal of **BIO-SCIENCE RESEARCH BULLETIN VOL 28 (NO.2) 2012-P.93-102, ISSN 0970-0889.**
2. Published a Paper entitled "**Mathematical models for the study of HIV**" In the **International Journal of Engineering And its Application**, Nov 2013, Vol No.03, Issue No.01, ISSN 2250-3935, P.44-47.
3. Published a Paper entitled "**Application of Kalman Filter Model to HIV/AIDS Epidemic**", in the **Asia pacific Journal of Research**, Vol.I, (Issue.XV), July2014,P.11-16,ISSN 2320-5504.
4. Published a Paper entitled "**Epidemiological Model of HIV/AIDS with Demographic Consequences**", in the journal of **Advances in Applied Mathematical Biosciences**, Vol.5,No.1(2014), pp. 65-74, ISSN 2248-9983.
5. Published a Paper entitled "**An Epidemiological Model for HIV/AIDS with Proportional Recruitment**", in the journal of **Asia pacific Journal of Research**, Vol: I. Issue XXI, January 2015, P.177-184, ISSN: 2320-5504.
6. Published a Paper entitled "**A Model for HIV Transmission among Intravenous Drug Users**", in the journal of **Advances in Applied Mathematical Biosciences**. ISSN 2248-9983 Volume 7, Number 1 (2016), pp. 41-50

PATENT: NIL

EVENT ORGANISED:

1. Coordinated the event for Government various Tamil Programme.
2. Organised TNSCST Sponsored National Mathematics day
3. Organised International Conference on Recent Trends in Mathematics and Computations (ICRTMC-25)

FDP Attended

1. Attended a Short Term Training Program for **Subject updating program in Engineering Mathematics** at Periyar Maniammai College of Technology for women, Thanjavur from June 21st to July 02nd, 2004.
2. Attended a Staff Development Programme on **Advancement in Technology Mathematics for Engineering** at Bharathiyar College of Engineering And Technology, karaikal from 10th July to 20th July, 2006.
3. Attended a staff development program on **Advances in research and development of Autonomous Robots** at E.G.S. Pillay Engineering college, Nagai from 7th may 2012 to 18th may 2012
4. Participated in state level three day FDP on **Applications of Mathematics** at Hindusthan College of Engineering and Technology, Chennai from 13th June to 15th June, 2020.
5. Participated in One Week Online International FDP on **Importance of Mathematics in Science And Technology** at GMR Institute of Technology, AP during 25th - 29th June 2020.

6. Participated in two day online FDP on **Recent Trends in Fourier Transform & Machine Learning: A Mathematical Approach** at KGiSL INSTITUTE O TECHNOLOGY, Coimbatore on 22.6.2020 and 23.6.2020.
7. Participated in five days online FDP on **Python Programming** at DRBCCC Hindu College, chennai in collaboration with Spoken-Tutorial Project, IIT Bombay during 10.6.2020 to 15.6.2020.
8. Participated in the online FDP on **Mathematics and its Applications** at V.O.C College, Thoothukudi from 23.3.2022 to 30.3.2022.
9. Participated in Seven Days International Faculty Development Program on **Recent Trends in Mathematics and Technology** at SRM TRP Engineering College, Tiruchirappalli from 22.12.23 to 29.12.23.
10. Participated in the Five Days Online Faculty Development Programme on **Essential skills for Integrating Software Tools in Engineering Mathematics** at Nehru Institute of Technology, Coimbatore from 23.1.25 to 28.1.25.

Reviewer: NIL

OnlineCoursesattended: NIL