



Recent Photograph

1.	Name	CHRISTU NESAM DAVID.D.		
2.	Designation	ASSOCIATE PROFESSOR		
3.	Residential Address	F -6, A-1, SECTOR-10, VASHI, NAVI MUMBAI, 400 703.		
4.	Date of birth	01.06.1970		
5.	Total Experience	25 YEARS		
i.	Teaching	25 YEARS		
ii.	Industrial			
6.	Qualifications	M.Sc., M.Phil., M.Ed., PGDCA, Ph.D		
	Exam Passed	Year	Institution/ University	Branch/ Specialization
		Perce ntage/ CGPI		
	Ph.D	2017	Karunya University, Tamil Nadu	Optmizaion
				8.25
	P.G.D.C.A	1996	Madurai Kamaraj University Tamil Nadu.	Mathematics
				70.5
	M.Ed (Education)	1995	Madurai Kamaraj University Tamil Nadu.	Mathematics
				60.0
	M.Phil (Mathematics)	1994	Alagappa University, TamilNadu.	Mathematics
				75.0
	B.Ed (Education)	1993	Madurai Kamaraj University, Tamil Nadu. 1993	Mathematics
				65.0
	M.Sc (Mathematics)	1992	V.O.C.College, Tuticorin, Tamil Nadu. 1992	Mathematics
				80.06
	B.Sc (Mathematics)	1990	W.C.C.,Tamil Nadu 1990	Mathematics
				90.80
	H.S.C	1987	Duthie Girls H.S.S. Tamil Nadu 1987	Mathematics
				80.2
	S.S.L.C.	1985	S.M.R.V.H.S.S, Tamil Nadu 1985	
				77.0
	Additional Qualification:			
7.	Employment Record			
	Institution	Year	Designation	
		(From To)		
	Fr.C. Rodrigues Institute Of Technology, Vashi,	Since 15 th September 2003	ASSOCIATE PROFESSOR	

	Kendriya Vidyalaya , Navy Camp, Mumbai-88	01.08.2002 to 19.04.2003	PG ASSISTANT
	Karunya Institute of Technology , Coimbatore, TamilNadu.	10.07.1996 to 18.08.2000	LECTURER
8.	Undergraduate / Postgraduate Teaching Experience and Subjects Taught		
	Subjects Taught at UG level		
	Sr.No.	Name of Subject	Semester
	1	APPLIED MATHEMATICS -I	I
	2	APPLIED MATHEMATICS -II	II
	3	APPLIED MATHEMATICS -III	III
	4	APPLIED MATHEMATICS -IV	IV
9.	Professional Societies Fellowship / Membership THE INDIAN SOCIETY FOR TECHNICAL EDUCATION (LIFE MEMBER) – LM46484		
10.	Achievements / Awards / Position: Nil		
11.	Projects guided in UG/PG level : Nil		
12.	<u>Short Term Training Programmes attended:</u>		
	<ol style="list-style-type: none"> 1. Participated contact programme with Professor A.M.Mathai from 06.06.94 to 18.06.94 held by the Centre of Mathematical Sciences, Kerala – sponsored by Department of Sciences and Technology, Government of India, New Delhi. 2. Participated in One day seminar on “Applications of Matrices and Review of Discrete Structure” in Lokmanyatilak College of Engineering, Navi Mumbai on 26th April 2005. 3. Attended a workshop on Applied Mathematics (Sem I to V) of University of Mumbai Conducted at Shah and Anchor Kutchhi Engineering College, Chembur on 23rd March 2006. 4. Attended a seminar on revised syllabus of Applied Mathematics – I organized by Shah and Anchor Kutchhi Engineering College, Chembur on behalf of Mumbai University on 4th August, 2007. 5. Orientation for Math teachers conducted by Shan Anchor College on behalf of university of Mumbai on 15th January 2008 to 16th January 2008. 6. UGC sponsored Refresher course organized by Academic Staff College, University of Mumbai on Mathematical Sciences from 3rd November 2008 to 22nd November 2008. 7. Attended two days National Seminar on Mathematics in Computer Engineering held on April 21-22, 2009 at Sinhgad College of Engineering, Pune. 8. Attended one day orientation programme on “Mathematics Sem –IV New Syllabus” conducted by Mathematics section of Dwaradas.J.Sanghvi College of Engineering on 13th February, 2009. 9. Attended the national workshop on Scilab organized by Fr.C.R.I.T, Vashi during 29th Nov -3rd Dec 2010 through IIT, Bombay. 10. Attended a orientation program on Applied Mathematics Sem I and II –Revised 2012 on 6th September 2012 at K.J.Sowmaiya College of Engineering, Vidyavihar. 11. Common Content Development for First year Engineering (Sem II) at Don Bosco Institute of Technology, Mumbai for Association of Catholic Christian Minority Institutes on 21st June 2013. 12. Attended the Orientation Programme on the revised syllabus of Applied Mathematics II organized by Shah & Anchor Kutchhi Engineering College, Mumbai on behalf of Mumbai University on 10th July 2013. 13. Participated in two days development program on STATISTICS FOR ENGINEERS on 27, 28 September, 2013 organised by Fr.C.R.C.E.,Bandra, Mumbai. 		

14. Participated in National Workshop on “Evolutionary Optimization Techniques for Solving Multidisciplinary Problems” held at Karunya University on 6th& 7th December 2013.
15. Attended the Orientation Programme on Applied Mathematics IV (Revised 2012) (CBGS) at K.J.Somaiya College of Engineering, Mumbai on 30th December 2013.
16. Attended one week training programme on Optimization Methods for Research and Industry from 25th to 29th August, 2014 organised by College of Engineering, Pune.
17. Attended a Faculty Development Programme organized by Altair Hyperworks and 3D Printing on 10th February 2015 at F.C.R.I.T, Vashi, Navi Mumbai.
18. Participated in MATLAB Workshop on 13th February 2015 at F.C.R.I.T, Vashi, Navi Mumbai.
19. Participated in one week STTP on ‘Mathematical Modeling and Application in Technology’ organized by Department of Basic Sciences and Humanities, K.J.Somaiya Institute of Engineering and Information Technology, in association with ISTE (Faculty Chapter) from 11th May to 15th May 2015.
20. Participated two days Faculty development programme on “Teaching and Beyond: Widening Horizons” organized by Department of Humanities and Science, Fr. Conceicao Rodrigues College of Engineering, Bandra on February 5th& 6th 2016.
21. Attended the Orientation Programme on the revised syllabus of Applied Mathematics I & II organized by Saraswati College of Engineering, Kharghar, Navi Mumbai, on behalf of University of Mumbai on 02.08.2016.
22. Completed short term training program from 28 November to 02 December 2016 on “Innovations and Applications of Engineering Mathematics in Vidyalkar Institute of Technology, Wadala, Mumbai.
23. Attended Syllabus committee Meeting in Mumbai University for Applied Mathematics III and Applied Mathematics IV (Computer Engineering) on 17.02.2017 at Datta Meghe College of Engineering, Airoli, Navi Mumbai.
24. Attended a refresher Short term course from Human resources development centre, Mumbai University in application of Linear Algebra, from August 7th to August 13th, 2017.
25. Attended a “Three day Faculty Development Programme for student Induction” and “Seven day Faculty Development Programme for student Induction” organized by AICTE on 6th June to 8th June, 2019 and 18th June to 24th June, 2019 (10 days) at A.P.Shah Institute of Technology, Thane(W).
26. Attended Short Term Training Program from June 24th – June 28th, 2019 on “Teaching Pedagogies for Engineering Education” in Fr.C. Rodrigues Institute of Technology, Vashi, Navi Mumbai.
27. Faculty Development Programme on Recent Trends in Applicable Mathematics organised by the Department of Mathematics, Karunya Institute of Technology and Sciences, Coimbatore held from 27 July 2020 to 31 July 2020.
28. Participant of the Webinar on “Math And Neural Networks(Techniques & Technologies)” organised by DOMAIN-MATH Club, BSH Department of DBIT held on June 06,2020.
29. Attended Online Workshop on “Creating and Editing Videos for online Teaching” on 14/05/2020 by FCRIT.,Vashi.
30. Participated three days Workshop “NAAC Assessment and Accreditation: A Step by Step Process” held during 28th - 30th May, 2020.
31. Participated 5 days Online Faculty Development Programme on APPLICATIONS OF MATHEMATICS organised by the Department of Mathematics, Karunya Institute of Technology and Sciences, Coimbatore, held from 20 July 2020 to 24 July 2020.
32. Participated Online Webinar in FIVEDAY FACULTY DEVELOPMENT PROGRAMME ON “APPLICATIONS OF MATHEMATICS IN ENGINEERING”. Conducted by Department of Mathematics KPRIET held from 27-07-2020 to 31.07.2020.
33. Participated in Online Faculty development Programme on “GRAPH THEORY – A RESEARCH VIEW” organised by Department of Mathematics (SF) held on 26.05.2020.
34. Attended Online Faculty Orientation Programme on Engineering Mathematics III and Engineering Mathematics IV for SE revised syllabus 2019 ‘C’ Scheme (Extc, Electrical)

	<p>organised by Department of Applied Sciences, Mathematics and Humanities, Pillai College of Engineering, New Panvel on behalf of University of Mumbai on 29th July,2020.</p> <p>35. Attended Online Faculty Orientation Programme on Engineering Mathematics III and Engineering Mathematics IV fir SE revised syllabus 2019 'C' Scheme (Mechanical) organized by Department of Applied Sciences, Mathematics and Humanities, Pillai College of Engineering, New Panvel on behalf of University of Mumbai on 31st July,2020</p> <p>36. Attended Short Term Training Program from June 18th – 22nd January 2021, on “Digital Transformation in Teaching Learning Process” in Fr.C. Rodrigues Institute of Technology, Vashi, Navi Mumbai.</p> <p>37. Participated in the Indian council of Social Science Research sponsored 5 days National Webinar on “Virtual Education-Interactive and Inclusive Aspects” from 26th -30th August 2021, organized by Pillai College of Education, New Panvel.</p> <p>38. Participated in ONLINE TWO-WEEK REFRESHER COURSE in “MATHEMATICAL SCIENCES” from 26 September to 10 October, 2022 and obtained Grade A+ in Teaching Learning, Centre, Tamanujan College, and University of Delhi under the aegis of Pandit Madam Mohan Malaviya National Mission on Teachers and Teaching</p> <p>39. Participated in online Inter-Disciplinary TWO-WEEK REFRESHER COURSE in “MANAGING ONLINE CLASSES & CO-REATING MOOCS” from 5th August to 19th August, 2023 and obtained Grade A+ in Teaching Learning, Centre, Tamanujan College, and University of Delhi under the aegis of Pandit Madam Mohan Malaviya National Mission on Teachers and Teaching.</p> <p>40. Attended ISTE approved SF-STTP/FDP programme on “Pedagogical Strategies for Effective Teaching-Learning” held during 18.12.2023 to 23.12.2023 organized by Fr.C.Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra</p> <p>41. Participated 10 days Faculty Training Program on “Implementation of Autonomy” conducted from 5th July to 19th July 2024 at FCRIT, Vashi.</p> <p>42. Participated and successfully completed five days online “Faculty Delopment Program” on the topic FOURIER SERIES AND FOURIER TRANSFORM from 12th August to 17th August, 2024</p>
13.	<p>List of Journal Papers Published (list in IEEE format)</p> <p>LIST OF PUBLICATIONS</p> <ul style="list-style-type: none"> ➤ <u>2015</u> ➤ Christu Nesam David. D, S.Elizabeth Amudhini Stephen, Ajay Joe, A,” Weight minimization of Spring design problem using PSO, SA, PS, GODLIKE, CUCKOO, FF, FP, ALO, GSA and MVO”, International Journal of Applied Engineering Research , ISSN 0973-4562 Volume 10, Number 18 (2015) pp 39755-39759, (Citation indexed 0.12, H Index 5. Scopus indexed) ➤ Christu Nesam David. D, S.Elizabeth Amudhini Stephen,” Survey of Nontraditional optimization method PSO, SA, PS, GODLIKE, CUCKOO, FF, FP, ALO, GSA and MVO”, Global Journal of Pure and Applied Mathematics, ISSN 0973-1768 Volume 11, Number 5 (2015), pp. 3409-3423,(Citation indexed 0.16, H Index 3 ,Scopus indexed ➤ Christu Nesam David. D, S.Elizabeth Amudhini Stephen, Ajay Joe, A,” Cost minimization of Pressure Vessel design problem using PSO, SA, PS, GODLIKE, CUCKOO, FF, FP, ALO, GSA and MVO”, . Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume 11, Number 5 (2015), pp. 3437-3446 (Citation indexed0.16, H Index 3, Scopus indexed) ➤ <u>2016</u> ➤ Christu Nesam David. D, S.Elizabeth Amudhini Stephen, Ajay Joe, A,” Cost minimization of welded beam design problem using PSO, SA, PS, GODLIKE, CUCKOO, FF, FP, ALO, GSA and MVO”, International Journal of Applied Mathematics and Statistical science(IJMSS) , ISSN 2319-3972 Volume 5,(2016) pp 1-14, (Thomsun Reuters' RESEARCHERID indexed journals ,impact factor 2.6305) ➤ Christu Nesam David. D, S.Elizabeth Amudhini Stephen, Ajay Joe, A,” Weight minimization of Speed reducer design problem using PSO, SA, PS, GODLIKE, CUCKOO, FF, FP, ALO, GSA and MVO”, International Journal of Scientific and

	<p>Engineering research (IJSER), ISSN 2229-5518 Volume 7,(2016) pp 1356-1365, (,impact factor 2.6305)</p> <p>➤ <u>2018</u></p> <p>➤ Christu Nesam David.D, S.Elizabeth Amudhini Stephen, Girish Dalvi,,” Design optimization of weight of speed reducer problem through MATLAB and simulation using ANSYS”, International Journal of Mechanical Engineering and Technology, Volume 9, Issue 8, August 2018, ISSN 0976-6340, pp 339-349.</p> <p>➤ Christu Nesam David.D, S.Elizabeth Amudhini Stephen,,” Cost minimization of welded beam design problem using Nontraditional optimization through MATLAB and validation through ANSYS simulation”, International Journal of Mechanical Engineering and Technology, Volume 9, Issue 8, August 2018, ISSN 0976-6340, pp 180-192.</p> <p>➤ <u>2019</u></p> <p>➤ Christu Nesam David.D, S.Elizabeth Amudhini Stephen, Ajay Joe, A”Design optimization of cost of the pressure vessel through MATLAB and simulation through ANSYS”,International Journal of Mathematics in Operational research(IJMOR), ISSN volume 14, No.4, July 2019 pp 473-494.</p>
14.	List of Papers Published in National and International Conferences :Nil
15.	<p>Books/Reports/General articles etc.</p> <p><u>First Edition: December-2020</u></p> <p>Engineering Mathematics –III (Code:MEC301) SEMESTER III- Mechanical engineering/Civil Engineering (REV -2019 ‘C’ Scheme) [ISBN:978-93-90694-95-2]</p> <p><u>November-2022</u></p> <p>Engineering Mathematics –I (Code:FEC 101) SEMESTER – I –Common to all Branches (REV-2019 “C” Scheme) [ISBN:978-93-5583-293-1]</p>
16.	<p>Invited Lectures in FDP/ STTP</p> <ol style="list-style-type: none"> 1. Invited as subject expert in University Staff Selection Committee on 22.02.2019 at Pillai College of Engineering, New Panvel , Navi Mumbai, Maharashtra. 2. Invited as subject expert in University Staff Selection Committee on 27.02.2019 at Pillai HOC College of Engineering, HOC Colony, Rasayani, Maharashtra. 3. Invited as Institute Expert for Advisory meet at Thakur College of Engineering and Technology, Kandivilli, Mumbai on 02.03.2019. 4. Invited to conduct orientation program for first year syllabus revision in RAIT on 21 .09.2019 5. Invited for an Expert talk on NBA Criteria 8 First year Academics on 14th October 2022 in AC Patil College of Engineering, Kharghar, Navi Mumbai. 6. Invited as Panel Member of the Selection Committee for the Interview Assistant Professor in Applied Mathematics at SVKM’s Dwarkadas.J.Sanghvi College of Engineering on 10.11.2022 . 7. Invited as Panel Member to conduct UG Degree Interview to appoint Assistant Professor in Mathematics on 26.07.2024 at Shri Bhagubhai Mafatlal Polytechnic and College of Engineering, Villeparle, Mumbai.
17.	<p>International Conference Technical Program Committee Member / Reviewer</p> <ol style="list-style-type: none"> 1. Member in Syllabus setting committee for first year Engineering in Applied Mathematics I &II. 2. Member in IQAC (Internal Quality Assurance Cell) Committee.

	<ol style="list-style-type: none">3. Co-ordinator for Syllabus committee for prepare the syllabus to Engineering Mathematics III and IV as per guidance of AICTE and the scheme 'C'(During Pandemic)4. Program coordinator for First Year question paper setting work for First Year KT and Regular Examination in the year 2020 (During Pandemic)5. Program coordinator for First Year question paper setting work for First Year KT and Regular Examination in the year 2022.6. Member of the Academic Council for three years from 01/03/2023 in Fr.C.Rodrigues Institute of technology, Vashi, Navi Mumbai, Maharashtra.
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