



Recent Photograph

<b>1.</b>	<b>Name</b>	<b>CHRISTU NESAM DAVID.D.</b>			
<b>2.</b>	<b>Designation</b>	ASSISTANT PROFESSOR			
<b>3.</b>	<b>Residential Address</b>	F -6, A-1, SECTOR-10, VASHI, NAVI MUMBAI, 400 703.			
<b>4.</b>	<b>Date of birth</b>	01.06.1970			
<b>5.</b>	<b>Total Experience</b>	25 YEARS			
<b>i.</b>	<b>Teaching</b>	25 YEARS			
<b>ii.</b>	<b>Industrial</b>				
<b>6.</b>	<b>Qualifications</b>	M.Sc., M.Phil., M.Ed., PGDCA, Ph.D			
	<b>Exam Passed</b>	<b>Year</b>	<b>Institution/ University</b>	<b>Branch/Specialization</b>	<b>Percentage/CPI</b>
	<b>Ph.D</b>	<b>2017</b>	<b>Karunya University, Tamil Nadu</b>	<b>OPTIMIZATION</b>	<b>8.25</b>
	<b>P.G.D.C.A</b>	1996	Madurai Kamaraj University Tamil Nadu.	MATHEMATICS	70.5
	<b>M.Ed (Education)</b>	1995	Madurai Kamaraj University Tamil Nadu.	MATHEMATICS	60.0
	<b>M.Phil (Mathematics)</b>	1994.	Alagappa University, TamilNadu.	MATHEMATICS	75.0
	<b>B.Ed (Education)</b>	1993	Madurai Kamaraj University, Tamil Nadu. 1993	MATHEMATICS	65.0
	<b>M.Sc (Mathematics)</b>	1992	V.O.C.College, Tuticorin, Tamil Nadu. 1992	MATHEMATICS	80.06
	<b>B.Sc (Mathematics)</b>	1990	W.C.C.,Tamil Nadu 1990	MATHEMATICS	90.80
	<b>H.S.C</b>	1987	Duthie Girls H.S.S. Tamil Nadu 1987	MATHEMATICS	80.2
	<b>S.S.L.C.</b>	1985	S.M.R.V.H.S.S, Tamil Nadu 1985		77.0
	<b>Additional Qualification:</b>				

7.	<b>Employment Record</b>		
	<b>Institution</b>	<b>Year (From To)</b>	<b>Designation</b>
	<b>Fr.C. Rodrigues Institute Of Technology, Vashi,</b>	Since 15 <sup>th</sup> September 2003	ASSISTANT PROFESSOR
	<b>Kendriya Vidyalaya, Navy Camp, Mumbai-88</b>	01.08.2002 to 19.04.2003	PG ASSISTANT
	<b>Karunya Institute of Techonology, Coimbatore, TamilNadu.</b>	10.07.1996 to 18.08.2000	LECTURER
8.	<b>Undergraduate / Postgraduate Teaching Experience and Subjects Taught</b>		
	<b>Subjects Taught at UG level</b>		
	<b>Sr.No.</b>	<b>Name of Subject</b>	<b>Semester</b>
	1	APPLIED MATHEMATICS -I	I
	2	APPLIED MATHEMATICS -II	II
3	APPLIED MATHEMATICS -III	III	
4	APPLIED MATHEMATICS -IV	IV	
9.	<b>Professional Societies Fellowship / Membership THE INDIAN SOCIETY FOR TECHNICAL EDUCATION (LIFE MEMBER) – LM46484</b>		
10.	<b>Achievements / Awards / Position: Nil</b>		
11.	<b>Projects guided in UG/PG level : Nil</b>		
12.	<b><u>Short Term Training Programmes attended:</u></b>		
	<p>1. Participated <b>contact programme</b> 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.</p> <p>2. Participated in One day seminar on “Applications of Matrices and Review of Discrete Structure” in LokmanyaTilak College of Engineering, Navi Mumbai on 26<sup>th</sup> April 2005.</p> <p>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 23<sup>rd</sup> March 2006.</p> <p>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 4<sup>th</sup> August, 2007.</p> <p>5. <b>Orientation for Math teachers</b> conducted by Shan Anchor College on behalf of university of Mumbai on 15<sup>th</sup> January 2008 to 16<sup>th</sup> January 2008.</p> <p>6. UGC sponsored <b>Refresher course</b> organized by Academic Staff College, University of Mumbai on Mathematical Sciences from 3<sup>rd</sup> November 2008 to 22<sup>nd</sup> November 2008.</p>		

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 13<sup>th</sup> February, 2009.
9. Attended the national workshop on Scilab organized by Fr.C.R.I.T, Vashi during 29<sup>th</sup> Nov -3<sup>rd</sup> Dec 2010 through IIT, Bombay.
10. Attended a orientation program on Applied Mathematics Sem I and II –Revised 2012 on 6<sup>th</sup> 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 21<sup>st</sup> 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 10<sup>th</sup> 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 6<sup>th</sup> & 7<sup>th</sup> December 2013.
15. Attended the Orientation Programme on Applied Mathematics IV (Revised 2012) (CBGS) at K.J.Somaiya College of Engineering, Mumbai on 30<sup>th</sup> December 2013.
16. Attended one week training programme on Optimization Methods for Research and Industry from 25<sup>th</sup> to 29<sup>th</sup> August, 2014 organised by College of Engineering, Pune.
17. Attended a Faculty Development Programme organized by Altair Hyperworks and 3D Printing on 10<sup>th</sup> February 2015 at F.C.R.I.T, Vashi, Navi Mumbai.
18. Participated in MATLAB Workshop on 13<sup>th</sup> 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 11<sup>th</sup> May to 15<sup>th</sup> 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 5<sup>th</sup> & 6<sup>th</sup> 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 Vidyalankar 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 7<sup>th</sup> to August 13<sup>th</sup>, 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 6<sup>th</sup> June to 8<sup>th</sup> June, 2019 and 18<sup>th</sup> June to 24<sup>th</sup> June, 2019 (10 days) at A.P. Shah Institute of Technology, Thane(W).
26. Attended Short Term Training Program from June 24<sup>th</sup> – June 28<sup>th</sup>, 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 28<sup>th</sup> - 30<sup>th</sup> 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.

	<p>33.Participated in Online Faculty development Programme on “GRAPH THEORY – A RESEARCH VIEW” organised by Department of Mathematics (SF) held on 26.05.2020.</p> <p>34.Attended Online Faculty Orientation Programme on Engineering Mathematics III and Engineering Mathematics IV fir SE revised syllabus 2019 'C' Scheme (Extc, Electrical) organised by Department of Applied Sciences, Mathematics and Humanities, Pillai College of Engineering, New Panvel on behalf of University of Mumbai on 29<sup>th</sup> 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 31<sup>st</sup> July,2020</p> <p>36.Attended Short Term Training Program from June 18<sup>th</sup> – 22<sup>nd</sup> 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 26<sup>th</sup> -30<sup>th</sup> August 2021, organized by Pillai College of Education, New Panvel.</p> <p>38.Participated in ONLINE TWO-WEEK REFRESHER COURSE in “<b>MATHEMATICAL SCIENCES</b>” 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>
13.	<p><b>List of Journal Papers Published (list in IEEE format)</b></p> <p><b>LIST OF PUBLICATIONS</b></p> <ul style="list-style-type: none"> <li>➤ <u>2015</u></li> <li>➤ <b>Christu Nesam David. D, S.Elizabeth Amudhini Stephen, Ajay Joe, A,”</b> 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)</li> <li>➤ <b>Christu Nesam David. D, S.Elizabeth Amudhini Stephen,”</b> 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</li> <li>➤ <b>Christu Nesam David. D, S.Elizabeth Amudhini Stephen, Ajay Joe, A,”</b> 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</li> </ul>

	<p>5 (2015), pp. 3437-3446 (Citation indexed0.16, H Index 3, Scopus indexed)</p> <ul style="list-style-type: none"> <li>➤ <u>2016</u></li> <li>➤ <b>Christu Nesam David. D</b>, 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, (<a href="#">Thomsun Reuters' RESEARCHERID indexed journals</a> ,impact factor 2.6305)</li> <li>➤ <b>Christu Nesam David. D</b>, 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 Engineering research (IJSER) , ISSN 2229-5518 Volume 7,(2016) pp 1356-1365, (,impact factor 2.6305)</li> <li>➤ <u>2018</u></li> <li>➤ <b>Christu Nesam David.D</b>, 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.</li> <li>➤ <b>Christu Nesam David.D</b>, 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.</li> <li>➤ <u>2019</u></li> <li>➤ <b>Christu Nesam David.D</b>, 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.</li> </ul>
<b>14.</b>	<b>List of Papers Published in National and International Conferences :Nil</b>
<b>15.</b>	<p><b>Books/Reports/General articles etc.</b></p> <p><b>Engineering Mathematics –III (Code:MEC301) SEMESTER III- Mechanical engineering/Civil Engineering (REV -2019 ‘C’ Scheme)</b></p> <p><b><u>November-2022</u></b></p> <p><b>Engineering Mathematics –I (Code:FEC 101) SEMESTER – I –Common to all Branches (REV-2019 “C” Scheme) [ISBN:978-93-5583-293-1]</b></p>
<b>16.</b>	<b>Invited Lectures in FDP/ STTP</b>

	<ol style="list-style-type: none"> <li>1. Invited as <b>subject expert in University Staff Selection Committee</b> on 22.02.2019 at Pillai College of Engineering, New Panvel , Navi Mumbai, Maharashtra.</li> <li>2. Invited as <b>subject expert in University Staff Selection Committee</b> on 27.02.2019 at Pillai HOC College of Engineering, HOC Colony, Rasayani, Maharashtra.</li> <li>3. Invited as <b>Institute Expert for Advisory meet</b> at Thakur College of Engineering and Technology, Kandivilli, Mumbai on 02.03.2019.</li> <li>4. Invited to <b>conduct orientation program for first year syllabus revision in RAIT</b> on 21 .09.2019</li> <li>5. Invited for an <b>Expert talk on NBA Criteria 8 First year Academics</b> on 14<sup>th</sup> October 2022 in AC Patil College of Engineering, Kharghar, Navi Mumbai.</li> <li>6. Invited as <b>Panel Member of the Selection Committee for the Interview Assistant Professor in Applied Mathematics</b> at SVKM's Dwarkadas.J.Sanghvi College of Engineering on 10.11.2022 .</li> </ol>
17.	<p><b>International Conference Technical Program Committee Member / Reviewer</b></p> <ol style="list-style-type: none"> <li>1. Member in Syllabus setting committee for first year Engineering in <b>Applied Mathematics I &amp; II.</b></li> <li>2. Member in IQAC (Internal Quality Assurance Cell) Committee.</li> <li>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)</li> <li>4. Program coordinator for First Year question paper setting work for First Year KT and Regular Examination in the year 2020 (During Pandemic)</li> <li>5. Program coordinator for First Year question paper setting work for First Year KT and Regular Examination in the year 2022.</li> </ol>
20.	<b>Patents</b>

