

7.	<p>Employment Record</p> <table border="1" data-bbox="276 159 1377 633"> <thead> <tr> <th data-bbox="276 159 751 230">Institution</th> <th data-bbox="751 159 1110 230">Year (From To)</th> <th data-bbox="1110 159 1377 230">Designation</th> </tr> </thead> <tbody> <tr> <td data-bbox="276 230 751 286">FCRIT, Vashi, Navi Mumbai</td> <td data-bbox="751 230 1110 286">May 2008 to till date</td> <td data-bbox="1110 230 1377 286">Assistant professor</td> </tr> <tr> <td data-bbox="276 286 751 353">Father Agnel Polytechnic, Vashi, Navi Mumbai.</td> <td data-bbox="751 286 1110 353">July 2007 to April 2008</td> <td data-bbox="1110 286 1377 353">Lecturer</td> </tr> <tr> <td data-bbox="276 353 751 427">Sandesh College of Arts, Sciences and Commerce, Vikhroli, Mumbai.</td> <td data-bbox="751 353 1110 427">Academic Year 2006-2007</td> <td data-bbox="1110 353 1377 427">Lecturer</td> </tr> <tr> <td data-bbox="276 427 751 495">St. Mary's Jr. College, Vashi, Navi Mumbai</td> <td data-bbox="751 427 1110 495">June 2005 to June 2006</td> <td data-bbox="1110 427 1377 495">PG Assistant</td> </tr> <tr> <td data-bbox="276 495 751 562">St. Joseph's Hr. Sec. School, Chennai, Tamil Nadu</td> <td data-bbox="751 495 1110 562">Feb 2003 to Aug 2003</td> <td data-bbox="1110 495 1377 562">PG Assistant</td> </tr> <tr> <td data-bbox="276 562 751 633">Sacred Heart Hr. Sec. School, K.K. Dist, Tamil Nadu</td> <td data-bbox="751 562 1110 633">July 2001 to Dec 2002</td> <td data-bbox="1110 562 1377 633">PG Assistant</td> </tr> </tbody> </table>	Institution	Year (From To)	Designation	FCRIT, Vashi, Navi Mumbai	May 2008 to till date	Assistant professor	Father Agnel Polytechnic, Vashi, Navi Mumbai.	July 2007 to April 2008	Lecturer	Sandesh College of Arts, Sciences and Commerce, Vikhroli, Mumbai.	Academic Year 2006-2007	Lecturer	St. Mary's Jr. College, Vashi, Navi Mumbai	June 2005 to June 2006	PG Assistant	St. Joseph's Hr. Sec. School, Chennai, Tamil Nadu	Feb 2003 to Aug 2003	PG Assistant	Sacred Heart Hr. Sec. School, K.K. Dist, Tamil Nadu	July 2001 to Dec 2002	PG Assistant
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8.	<p>Undergraduate / Postgraduate Teaching Experience and Subjects Taught</p> <p>Subjects Taught at UG level</p> <table border="1" data-bbox="276 770 1406 987"> <thead> <tr> <th data-bbox="276 770 381 819">Sr.No.</th> <th data-bbox="381 770 948 819">Name of Subject</th> <th data-bbox="948 770 1406 819">Semester</th> </tr> </thead> <tbody> <tr> <td data-bbox="276 819 381 875">1</td> <td data-bbox="381 819 948 875">Applied Physics-I / Engineering Physics -I</td> <td data-bbox="948 819 1406 875">First year Engineering Semester I</td> </tr> <tr> <td data-bbox="276 875 381 931">2</td> <td data-bbox="381 875 948 931">Applied Physics-II / Engineering Physics -II</td> <td data-bbox="948 875 1406 931">First year Engineering Semester II</td> </tr> <tr> <td data-bbox="276 931 381 987">3</td> <td data-bbox="381 931 948 987">Physics</td> <td data-bbox="948 931 1406 987">B.Sc Semester I-VI</td> </tr> </tbody> </table>	Sr.No.	Name of Subject	Semester	1	Applied Physics-I / Engineering Physics -I	First year Engineering Semester I	2	Applied Physics-II / Engineering Physics -II	First year Engineering Semester II	3	Physics	B.Sc Semester I-VI									
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9.	<p>Research Experience:</p> <ul style="list-style-type: none"> • Working on “All inorganic lead-free halide perovskites as a photocatalyst”, since 2021. (Research and Development) • Working on “Synthesis, Characterisation and Application of Carbon Nanomaterials”, since 2009. (Research and Development) • Research for Ph.D on Radioisotope Techniques From 2014 To 2019. 																					
10.	<p>Professional Societies Fellowship / Membership:</p> <ul style="list-style-type: none"> • Indian Carbon Society – Life Time Membership • Indian Society for Technical Education (ISTE) - Life Time Membership • Indian Women Scientists Association (IWSA) - Life Time Membership 																					
11.	<p>Achievements / Awards / Position:</p> <p>Secured 9th Rank in Manonmaniam Sundaranar University in M.Sc. physics for the batch 1997-1999</p>																					
12.	<p>Short Term Training/FDP/ Conferences and Other Programs attended:</p> <ol style="list-style-type: none"> 1) webinar on ‘The next level self-powered sensor for healthcare sensing applications Full Name (14th september 2024) 2) Proficiency Development Program (PDP) on “Sustainable Technologies” (Solar PV, Micro grids, Energy Storage & Electric Vehicle) (2nd and 3rd August 2024) 3) Presented paper titled “Comparative Study of Synthesis Methods of All Inorganic Lead-Free Bromide Perovskite”. 2nd international conference on advances in material science and technology (ICAMST - 2024), July 29-31, 2024. 4) Training program on implementation of autonomy Model FCRIT Vashi (5th July to 19th July 2024) 																					

- 5) INUP- i2i Familiarization Workshop on Nanofabrication Technologies, held at IIT Bombay (22nd 25th January 2024)
- 6) Webinar on 'synthesis and characterization of dielectric perovskites' (9th Dec 2023)
- 7) Webinar on Accelerate your Research Using Elsevier's Science Direct and Scopus - research-using-elsevier-science-direct-scopus (4th August 2023)
- 8) International FDP/Training Program on "Innovative Teaching and Learning Pedagogy" Research Foundation of India, RFI –CARE and Shri Shradha Nath PG College, Rajasthan (26th to 30th July 2023)
- 9) International FDP on "Functional Materials and Devices: Energy, Environment and Sustainable Development" Presidency University, School of Engineering, Bangalore. (10th to 14th July 2023)
- 10) Training Program on 'Composite material', ICAR-CIRCOT (7th Feb to 9th Feb 2023)
- 11) Young Researchers' Meet on Carbon, BARC (30th Nov 2022)
- 12) One day FDP on 'Academic Integrity and Dealing with Plagiarism - A Practical Approach', Rajeev Gandhi College Of Management Studies (17th Sep. 2022)
- 13) Webinar on 'Light Pollution' KLE Society's Science and Commerce College. (2nd Dec 2021)
- 14) Webinar on 'Municipal solid waste management technology development to sustainability assessment' LTCE (18th Nov.2021)
- 15) Workshop on 'XRD instrumentation, Analysis interpretation of spectra and application, B.K. Birla college of Arts.Science and Commerce,Kalyan (28th Aug.2021)
- 16) Workshop on 'Examination reforms, AICTE (23rd Aug. to 25th Aug.2021)
- 17) National seminar on 'Writing a Research Grant proposal for external funding', Muthayammal college, Rasipuram (27th April 2021)
- 18) Preconference tutorial –Hands on training in management of literature survey and generating references',FCRIT, Vashi(14th Jan 2021)
- 19) Webinar on 'Iron deficiency Anaemia-a major cause of concern in young and adolescent girls',Cadila paramedicals.evanext(21st August 2020)
- 20) Workshop on 'Universal Human Values on the theme inculcating universal Human Values in technical education, AICTE (10th Aug. to 14th Aug 2020)
- 21) Webinar on 'Online teaching tips and tools, Bennet university, greater Noida (17th July 2020)
- 22) International Webinar on 'Frontiers in Nanotechnology and applications', St. Xavier's college, palayamkottai (15th July 2020)
- 23) Webinar on 'Learning Management system', FCRIT, Vashi (11th July 2020)
- 24) The Bodhitree and SAFE tools for effective online teaching, A Hands on workshop, The teaching learning centre(ICT), IIT Bombay. (18th June 2020 to 20th June 2020)
- 25) International conference Innovative challenges in multidisciplinary Research and Practices,Hindustan College of Arts and Sciences,Coimbatore. (15th June 2020 to 19th June 2020)
- 26) Webinar on 'Creating interactive e-learning content', Dept. of Computer Engineering, Universal college of Engineering, Kaman (1st June 2020)
- 27) Moodle Learning Management system,KJSI, spoken tutorial project, IIT Bombay. (26th may 2020 to 30th may 2020)
- 28) Workshop on "Creating and Editing Videos for Online Teaching" organized by FCRIT, Vashi. (14th May 2020)
- 29) workshop on 'Lasers. Fibre Optics and Optical Communication. Fiber sensors' organised by IWSA in collaboration with National Academy of Sciences, India (Mumbai Chapter) (6 & 7th March 2020)
- 30) Completed a online FDP course on 'Nanotechnology in Agriculture' on SWAYAM (Aug- Oct 2019)
- 31) Completed a online course on 'Basic Electrical Circuits' on SWAYAM (30th Jul. to 21st Oct.2018)
- 32) AICTE-ISTE sponsored one week Induction/Refresher program on 'Inclusion of Nanotechnology in Various Commercial Arenas',KJ somaiya Institute of Engineering and Information Technology,Sion,Mumbai. (2nd July to 7th July,2018)
- 33) National Science Day -2018 celebration, BARC, Mumbai. (1st march 2018)
- 34) QIP on "Modern Biophysics Techniques". IIT Bombay. (15th to 20th Dec 2016)

	<p>35) The physics teacher's orientation for the revised Applied physics syllabus discussion, Don Bosco Institute of Technology, Mumbai. (27th July,2016)</p> <p>36) 4th SBB lecture/workshop series on "Nano-To-Technology", DY Patil University, Navi Mumbai. (18th April 2015)</p> <p>37) FDP on "Nanomaterials Characterisation and Applications in Devices" COEP, Pune. (7th to 11th April 2014)</p> <p>38) paper titled "Impact on catalyst on synthesis of CNM from castor seeds by CVD" in 3rd international conference NANOCON014, Bharati Vidyapeeth University, Pune. (14th and 15th October 2014)</p> <p>39) The common content development for F.E Sem I and Sem II for association of Catholic Christian Minority Institutes, Don Bosco Institute of Technology, Mumbai. (21st June and 19th November 2013)</p> <p>40) paper titled "Synthesis, Characaterization and Applications of carbon nanomaterials", Fr.CRCE, Bandra, Mumbai. (SANKALP,15th February 2013)</p> <p>41) FDP on "Communication Skills", FCRIT,Vashi,Navi Mumbai (3rd to 9th October,2013)</p> <p>42) National conference on "Carbon Nanomaterials", BARC,Mumbai. (1st to 3rd Nov2012)</p>
<p>13.</p>	<p>List of Journal Papers Published:</p> <ol style="list-style-type: none"> 1) SwapnaGijare, Suma Jebin, UmeshMhapanka, "Application of Carbon Nanobeads Prepared from Castor Seeds as a Sensor for the Detection of Estradiol", <i>International Journal of Scientific Research in Science and Technology</i>, Vol.6, Issue No.4, pp.1-6, July-August 2019. 2) Swapna G, Suma J and Umesh M, "A Scope of using Carbon Nanobeads prepared from Castor seeds as Biosensors", <i>International Journal of Scientific Research in Science and Technology</i>, Vol.3, Issue No.10, pp.33-38, November-December 2017. 3) Suma T,Yelgaonkar V.N and Gaurav Agrahari,"Investigation of the cause of liquid maldistribution in Vacuum Distillation Unit" <i>International Journal of Advanced Research in Science and Engineering</i>,Vol.5,Issue No.9,pp.335-344, September 2016. 4) Suma T et.al, "Detection of Interfaces and Voids in Pipelines using Gamma Scanning" <i>International organization of Scientific Reasearch</i>, Vol.8, Issue No.4, Ver.1, pp.12-26, Jul-Aug.2016. 5) Swapna G, Suma J and Madhuri Sharon "Impact of catalyst on the synthesis of CNM from castor seeds by CVD Method," <i>Advanced Science Letters</i>, vol. 22, No. 4, pp. 1003-1007, April 2016.
<p>14.</p>	<p>List of Papers Published in National and International Conferences:</p> <ol style="list-style-type: none"> 1) Suma Jebin, Amrita Mandal Bera, Swapna Gijare, Dhananjay Panchagade, Mini Rajeev,"Comparative Study of Synthesis Methods of All Inorganic Lead-Free Bromide Perovskite".2nd international conference on advances in material science and technology (ICAMST - 2024), July 29-31,2024. 2) Suma Jebin, Swapna Gijare, Amrita Mandal Bera, "All Inorganic Lead-free Perovskites for Photocatalysis: Preparation and Absorption Study", <i>IEEE xplore 2023 5th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2023)</i>, Navi Mumbai, India, Jan 20-21,2023. 3) Swapna G, Suma J and Umesh M, "A Scope of using Carbon Nano beads prepared from Castor seeds as Biosensors", <i>National Conference on Research and Development in Synthetic organic chemistry</i>, Agasti Arts, Commerce and Dadasaheb Rupwate Science College, Akole, Maharashtra, December 29-30 2017.

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| | <p>4) Suma T, Yelgaonkar V.N and Gaurav Agrahari, “Investigation of the cause of liquid maldistribution in Vacuum Distillation Unit”, <i>International conference on Recent Trends in Engineering and Science</i>, Shree Ramchandra College of Engineering, Pune, Conference proceedings Sr.no.25, Paper ID 1040, September 29-30, 2016.</p> |
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