

FACULTY-PROFILE



Name : Sreedevi Sanjeev Nair

Date of Birth : 24-04-1979

Highest Qualifications : M.E. (Power Electronics and Drives)

Current Residential Address : B02 Gitanjali aps Plot No.52 Secor 17 Vashi Navi Mumbai 400703
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E-mail : nairsreedevisanjeev@gmail.com

Religion/Caste : Hindu (Open category)

Educational Qualification :

Institute/Board	Degree	Field	Year	Division
Fr.C.R.IT (Mumbai University)	ME	Power Electronics and Drives	2012	1 st class(with Distinction)
S.S.Jondhale C.O.Eng (Mumbai University)	BE	Electronics & Telecommunication Engineering	2001	1 st class (63.38%)
Maharashtra Board	HSC	-	1997	1 st class with distinction
Maharashtra Board	S.S.C	-	1995	1 st class with distinction

Employment Record : Total Experience-20 years

Organization	Period (From-To)	Designation/Approval/Scale
Fr.C.R.IT.Vashi	3/1/2024 till present	Asst,Professor
New Era High school Residential School Panchagini	27/11/2021 till 02/04/2023	Teacher Class X-Physics Class IX-Physics and Maths
	01 /04/2011 till 28/02/2021	Asst.Professor

Fr. C. Rodrigues Institute of Technology, Vashi.	1/1/2008 to 31/03/2011	Lecturer
S.S.Jondhale C.O.Eng.	1/6/02 to 30/11/07	Lecturer

3 Major Strengths

- ❖ Confidence in myself
- ❖ Sincere and Punctual towards work
- ❖ Hardworking

3 Major Weaknesses

- ❖ Emotional

Approved by the University as an examiner for the following subjects:

- Radar. (Elective) – BE EXTC Sem VIII(old)
- Microwave, Optical fibre communication, Satellite Communication, Computer Communication Network-BE EXTC Sem VII
- Computer Programming (JAVA) – FE Sem II

Other subjects taught:

- Satellite Communication, Microwave, Computer Communication Network, Discrete Signal Processing, Optical Communication (old course)
- Computer Programming, Microwave Engineering, Radar Engineering (rev course)
- Optical Fiber communication, MMWC(M.E.)

Achievements (Summarized below as Points A to D):

A. R&D

a) Self thesis work Faculty Development:

- 1) Successfully completed BE project work from S.S. Jondhale Engineering College, Dombivili, in the year 2001.
Project Guide: Prof. Nair , Project topic: Data Acquisition system.
- 2) Completed ME project work from Fr.C.R.IT ,Vashi in the year 2012.
Guide: Ms. Mini Rajeev Project topic : Design and implementation of solar powered HPLED lighting for indoor applications.

b) Research publications (Journals/conferences)

Conferences

- 1) Paper published on “Concept of multichannel two way mobile radio” at National conference on Emerging trends in Electronics and Communication, 6th Feb 2010, “ETEC 2010” Pg161-164 ,St. Ann’s College of Engineering and Technology, Chirala
- 2) Paper published on “Economic Feasibility of Solar Powered Street Light using highpower LED- A Case Study”, International Conference On Renewable Energy Utilization (ICREU-2012),2012,p.p1-5.
- 3) Paper published on” Design and Implementation of Driver Circuit for High Power LED”,NCNTE,2012,p.p 46-49
- 4) Paper published on” Effect of luminaries and heat sink on the performance of PV powered HPLED lighting for indoor applications”, International Journal of Current Engineering and Technology ,ISSN 2277 – 4106, June 2013, Vol.3, No.2 (June 2013).
- 5) Paper published on “Solar powered HPLED lamp for indoor application”, International Journal of Electrical Engineering Research and Application, ISSN Vol.1 Issue 3,August 2013
- 6) Paper published on “Accuracy and Reliability Tests Performed on MEMS Accelerometers” at K shankar National Student Conference 2013'.
- 7) Paper published in “RES powered Smart home system using GSM/WIFI, International conference on Convergence,Pune,April6-8 2014.
- 8) Paper published in “A statistical approach for error removal from data obtained using sonars” 17th International Conference on Innovation in Electrical and Electronics Engineering (ICIEEE 2016.ISBN: 978-93-85225-62-8, 10th April, 2016, Pune.
- 9) Paper published in “Low cost Gesture Detector Using Artificial Neural Network.” IJSER, Volume 7, Issue 9, Sept 2016, ISSN 2229-5518.
- 10) Paper published in “Low cost Gesture Detector Using Artificial Neural Network.” IJSER, Volume 7, Issue 9, Sept 2016, ISSN 2229-5518.
- 11) Design and Implementation of Pumping, Fencing and AgBot using RES(Solar Panel, International Journal of Engineering Technology, Management and Applied Sciences, IJETMAS, Volume 5, Issue 4, ISSN 2349-4476.
- 12) Nimmy Nair, Megha Kolhekar Umesh Mhapanekar and Sreedevi Nair, “Electromagnetic Energy harnessing using Rectenna,” in *Proc. 2017. ICNTE International Conference on Nascent Technologies in Engineering pp.1-5, 27-28 Jan 2017*
- 13) Michael De silva ,Saurav Panda, Deeksha Tiwari ,Sreedevi Nair and Anita Jadhav ,”Design and Implementation of low Cost Optical Spectrometer ,” in *Proc. 2018 ICICCT International conference on inventive Communication and Computational Technologies ,pp.1904-1908. 20-21 April 2018*
- 14) Viresh J. Dighe, Poornima Srivastava and Sreedevi Nair, “Design of Power Amplifier for UWB Radar,” IJET International Journal of Engineering & Technology, Goa, vol.7, pp. 110-112, January 2018.

- 15) Sreedevi Nair, Gloria Rodrigues, Shirin Bellary and Velliza Gonsalves, "Design of beach rescue drone using GPS and Zigbee Technologies," in *Proc.2019 ICCES International Conference on Communication and Electronics System*, pp.1154-1158, 17-19 July 2019
- 16) Vandana Dhillon, Amruta Pabrekar and Sreedevi Nair, "Active Bandpass Filter Design to attenuate Harmonic Distortions in MPI Scanner" in *Proc.2020 ICMCSI International Conference on Mobile Computing and Sustainable Informatics*, p.p37-41 Nepal, 23-24 January 2020. ICMCSI, (2021, Sept.22), EAI/Springers innovations in Communication and Computing Springer(1st ed.)in press.

c) BE project guidance

- 1) BE Final year students of the batch 2008 successfully completed a project on "Development of two way mobile radio". Melwin Louis Anugrah Srivastava Chandrakant .Mahale Sandhya G.
- 2) BE Final year students of the batch 2015 successfully completed a project on "RES powered Smart home system using GSM/WIFI". Pratima Patil, Siddesh, Chitralkha, Akshay Paranjape..
- 3) BE Final year students of the batch 2016 successfully completed a project on Automatic Robotic Navigation.by Sravani rao, Ishika Rao and Sayana.
- 4) BE Final year students of the batch 2017 successfully completed a project on Low cost Gesture by Neural Networks.by Nikita, aishwarya, Shivam tanmay.
- 5) BE Final year students of the batch 2017 successfully completed a project on Smart Irrigation by Jerin, Maria, Dolcy Nad Merin.
- 6) BE Final year students of the batch 2018 successfully completed a project on Smart Irrigation by Michael De silva, Saurav Panda, Deeksha Tiwari.
- 7) BE Final year students of the batch 2019 successfully completed a project on Smart Irrigation by Gloria Rodrigues, Shirin Bellary and Velliza Gonsalves.

B. Training courses attended

a) Orientation program/Faculty development

- 1) Attended Teachers Orientation program at Fr. CRIT, Vashi" on 14-07-2011. (1st Topic: New staff appraisal format by Ms. Sadhana & Ms. Kiruthika. 2nd Topic: How other colleges are doing better than Fr. CRIT, Vashi by Mr. Aqleem.)
- 2) Attended teachers orientation programme at FrCRIT, Vashi held on 08-01-2011 topics being "John Fowles De-reification of 'Country' and 'City'" by Ms. Bertha and Mr. Jaykishan on "Soft skills"

- 3) Attended Teachers orientation Programme on “Mission 10X” conducted by Ms. Sreedevi N and Ms Anita J at FrCRIT, Vashi on 14/01/2010
- 4) Attended a talk on “Non-violent Communication” by Fr Cris, on 2nd & 3rd Dec 2008.
- 5) Attended orientation programme on “Learning and Nurturing organization” by Dr. Rollin Fernandes, Fr. C. Rodrigues Institute of Technology, Vashi, on 7/10/08.
- 6) Attended orientation programme on “Making the difference in the age of speed”, by Greg and Ivy Barcelon, Canada on 12/06/2008.
- 7) Attended Teachers Orientation program at Fr. CRIT, Vashi on “05-07-2012 “Defaulters” by Poornima Rao and “ Developing our potential” by Dr. Ambarish Patnagiri
- 8) Attended “Technical Paper writing “ by Dr.Milind Shah on 28/8/2012.
- 9) Attended Teachers Orientation program at Fr. CRIT, Vashi on “29/12/2012”
- 10) Attended Teachers Orientation program at Fr. CRIT, Vashi on “06/07/2013”.
- 11) Attended Teachers Orientation program at Fr. CRIT, Vashi on “24/12/2013” (SH 2014) by Dr.S Krishnamurthy, DBIT Kurla, “dealing with Minority students” and “Becoming an Acclaimed Professor”.
- 12) Attended teachers orientation program on subject MRE on 15/07/2015 at Swami Vivekanand College,Chembur.
- 13) Attended teachers orientation program on subject on 13/02/2016 at B.V.I.T ,Belapur.
- 14) Attended staff training programme on IE3D by Mr.Sumit Patil 7/4/2017.
- 15) Attended staff training programme on O-365 by Mr.Sahil on 12/4/2017
- 16) Attended Teachers Orientation program at Fr. CRIT, Vashi on “05/7/2018”
- 16) Attended Teachers Orientation program at Fr. CRIT, Vashi on “06/01/2019”.
- 17) Attended Teachers Orientation program at Fr. CRIT, Vashi on “5/07/2019” (SH 2014) by Dr.S Krishnamurthy, DBIT Kurla, “dealing with Minority students” and “Becoming an Acclaimed Professor”.
- 18) Attended teachers orientation program on subject ME on 7/07/2019 at Swami Vivekanand College,Chembur.
- 19) Attended Teachers Orientation program at Fr. CRIT, Vashi on “5/1/2020”
- 20) Attended online Teachers Orientation program at Fr. CRIT, Vashi on “06/07/2020”.

b) STTP/Workshop/Seminars/Conferences attended:

National Conferences/Seminars Attended

1. Organised and attended LOOPS 2K10 - one day Seminar on “ Speech Processing ” at Fr. C.R.I.T., Vashi on 24/02/2010.
2. EXTC Lecture Series on “Fixed point implementation of end point detection algorithm” by Mrs. Savitha Upadhyya, Fr.C.Rodrigues Institute of Technology, Vashi on 27/02/09.

3. EXTC Lecture Series on “GSM mobile communication” by Harshal Nehete from Vodafone, Mumbai on 12/03/09.
4. Attended a national conference on “*Electronics, Communications, and Computers (NCECC-09)*” organized by the IETE Navi Mumbai Sub Centre at Vashi, Navi Mumbai, India in February-2009.
5. Departmental seminar on “Telecommunication: The road ahead (LOOPS-2K9)” at Fr. CRIT, Vashi. On 21/02/09.
6. Attended a talk on ”Life on the edge-Drug addiction and recovery” by Mr.Pritam Dutta,(BARC) on 16/03/09.
7. Technical lecture on Manet and Sensor Network architecture by Dr.Waman on Fr. C.R.I.T, Vashi conducted by IETE Mumbai Centre on 8/12/08
8. EXTC Lecture Series on “Technical paper writing and presentation” by Dr.Milind Shah, Fr.C.Rodrigues Institute of Technology, Vashi on 6/09/08
9. Attended MICRO2K8 conducted at Fr.C.Rodrigues Institute of Technolgy, Vashi in association with IETE-ETSA on 23/08/2008.
10. EXTC Lecture Series on “ Natural background radiation” by Mr.V. D. Puranik, BARC on 8/08/08 at FrCRIT, Vashi
11. Seminar on “Latest Technologies-Loops 2K8”, on Feb 28, 2008 at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, India.
12. EXTC Lecture Series on “Interconnects: Optical vs Electrical” by Mrs. Hema Kanitkar on 04/03/08.
13. EXTC lecture series on “Higher Studies” by Mr. Onkar Bharadwaj on 29/03/08 at FrCRIT vashi.
14. Lecture Series on “Introduction to Data Compression” by Mrs.Megha Kolhekar on 18/03-08 at FrCRIT, Vashi
15. Attended seminar “Micro 2K12” Fr. C R I T, Vashi on 11/08/2012
16. EXTC lecture series on “Enterprenurship”,Mr.Manoj B on 9th August 2012 at Fr.C.R.IT, Vashi.
17. EXTC lecture series on “Technical paper Writing”,Dr.Milind Shah B on 28th August 2012 at Fr.C.R.IT, Vashi.
- 18 Attended one day workshop on “Credit & grading Systems for PG faculty, Mumbai University” at Terna COE, Navi Mumbai on 03/08/2012.
- 19 Attended seminar “Micro 2K12” Fr. C R I T, Vashi on 11/08/2012.
- 20 Attended one day orientation on ME (EXTC) SEM II R-2012 revised syllabus orientation at KJSCOE, Vidya vihar on 24/01/2013
- 21 Attended seminar “ LOOPS 2K13” Fr. C R I T , Vashi 16/02/2013

22. Attended a seminar on VITAL Education by Swami Muktanad at Fr C R IT, Vashi on 12/06/2013
23. Attended seminar “Micro 2K13” Fr. C R I T, Vashi on 17/08/2013
24. Attended seminar “ LOOPS 2K14” Fr. C R IT , Vashi 13/02/2014.
25. Attended and presented a paper on, “ Renewable Energy source powered Smart Home System using WI-Fi/GSM.” International Conference on Convergent Technology, I2CT-2014 Organised by Sharad Chandra Pawar College of Engineering, Pune,, April 6-8, 2014.
26. Deliver lecture on “Personality Development” for third year diploma students at Fr. Agnel Polytechnic on 20/08/2015.
27. Attended one day seminar MICRO2015 on 01/08/2015 at FR.C.R.IT vashi
28. Attended a workshop on “Software Tools for Engineering Researchers” during Oct 5-09 ,2015 at Fr.C.R.IT , Vashi.
29. Attended a workshop on “Wireless Networks and Internet of things” during 2nd May to 9th May 2016.
30. Attended LOOPS 2K16 - one day Seminar at Fr. C.R.I.T., Vashi on 23/02/2017
31. Attended staff training programme on IE3D by Mr. Sumit Patil 7/4/2017.
32. Attended staff training programme on O-365 by Mr. Sahil on 12/4/2017
33. Attended RF antenna workshop in KJ Somaiya COEng on 5-12 June 2018.
34. Attended three months PG course in Microwave integrated Course in June 2019, at IIT Bombay.
35. Attended the online ATAI workshop on Advances in Communication in 6 Dec 2020.
36. Attended the online AICTE sponsored workshop on Antenna design in Aug 2020.
37. Attended the online AICTE -MHRD sponsored workshop on Design of RF antennas in July 2020.

Winter/Summer schools

1. Attended a 2-day seminar on “Recent Advances in Power Electronics and Drives “ at FRRCRCE, Bandra from 20th Aug to 22nd Aug., 2010
2. Attended a workshop on “High Impact Teaching skills” conducted by Wipro at Fr. C R C O E , Bandra from 23rd Nov to 28th Nov 2009
3. ISTE approved STTP on “Image processing” in Terna College, Nerul, Mumbai. from 6th July to 13th July 2009
4. ISTE sponsored STTP on “Real time and Embedded Systems “ in Fr.R.C.O.E ,Bandra from 4th -8th Jan 2010.
5. ISTE approved STTP on “Advances in Microwave Systems” from 2nd Feb 2013 to 5th Feb 2K13 at Pillai HOC ,Panvel.
6. Attended a one week AICTE Sponsored National Level STTP on “VLSI & Embedded Systems” from JULY 1–5, 2013 Organized by Department of Electronics & Telecommunication Engineering, Fr. C. Rodrigues Institute of Technology, Agnel Technical Education Complex, Sector 9A, Vashi – 400 703, Navi Mumbai, Maharashtra

7. Attended a workshop on “Faculty development program” in Fr.C.R.IT,Vashi from 3rd Oct 2013 to 9th Oct 2013.
8. Attended a workshop on “Software Tools for Engineering Researchers” during Oct 5-09 ,2015 at Fr.C.R.IT ,Vashi.
9. Attended a workshop on “Wireless Networks and Internet of things” during 2nd May to 9th May 2016.
10. Attended a workshop on “Software tools for Engineering research” in Electrical dept,5/10/2016-9/10/2016.
11. Attended a workshop on AICTE QIP sponsored one week term course on RES for sustainable development:need technologies and Policies.on 4th -9th March 2017 at VJTI.
12. Attended RF antenna workshop in KJ Somaiya COEng aon 5-12 June 2018.
13. Attended three months PG course in Microwave integrated Course in June 2019,at IIT Bombay.
14. .Attended the online ATAI workshop on Advances in Communication in 6 Dec2020.
15. Attended the online AICTE sponsored workshop on Antenna design in Aug 2020.
16. Attended the online AICTE -MHRD sponsored workshop on Design of RF antennas in July 2020.

C. Training courses organized

- 1) Venue committee convener of ICNTE 2021.
- 2) Had organized the one day training program for staff in July 2020.
- 3) Had organized the one day training program for staff in July 2019.
- 4) Venue committee convener of ICNTE 2019.
- 5) Had organized the one day training program for staff in July 2018.
- 6)
- 7) Had organized the one day training program for staff in July 2017.
- 8) Venue committee convener of ICNTE 2017,
- 9) Attended staff training programme on IE3D by Mr.Sumit Patil 7/4/2017.
- 10) Attended staff training programme on O-365 by Mr.Sahil on 12/4/2017
- 11) Venue committee convener for ICNTE2017 on 27-28th Jan2017.
- 12) Teacher in charge for ETAMAX2017.
- 13) Comperer for Felicitation ceremony on 29/09/2016.
- 14) Convener of Registration Committee of MICRO2015 held on 01/08/2015.
- 15) Convener of a one week AICTE Sponsored National Level STTP on “VLSI & Embedded Systems” from JULY 1–5, 2013 Organized by Department of Electronics & Telecommunication Engineering, Fr. C. Rodrigues Institute of Technology, Agnel Technical Education Complex, Sector 9A, Vashi – 400 703, Navi Mumbai, Maharashtra

- 16) Convenor of college fest nmax criteria10, Fr. C R I T Vashi on 22to 24th feb 2010
- 17) Coordinated in organizing two day workshop on “Introduction to Practical Electronics” in dept. of Electronics and Telecom on 14,15th july2010
- 18) Coordinated in organizing two day workshop on “Introduction to Practical Electronics” in dept. of Electronics and Telecom on 21st to 30th july2009
- 19) Organized one day orientation programme for teachers of Fr.C.R.IT,Vashi on 15th jan 2009
- 20) Organized Oscillations 2008 (Feb. 15-16, 2008) an intercollegiate event.
- 21) Member of registration committee of NCNTE-08 national conference organized by Fr. CRIT, Vashi, held on 29th Feb & March 1st, 2008.
- 22) Comparer for the Alumuni meet at Fr. CRIT, Vashi, held on 28/02/2008.

D. Professional society membership

Sr. No.	Name of the Professionals Society
1.	Fellow of The Institution of Electronics & Telecommunication Engineers, India (M-211857).
2.	Life member of the Indian Society for Technical Education, India (LM 68202).

Place: Vashi, Navi Mumbai

Date: 1/02/2024