Name **:** B. Sivaranjani

Designation **:** Assistant Professor

Department **:** Information Technology

Qualification : M.Sc, M.Phil, (Ph.D.).,

Experience : Teaching: 13.5 Years   Industry : Nil   Research: 12 Years

Area of Specialization(s) **:** Pattern Recognition in Image Processing

Email (OfficialID) **:** sivaranjani@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D	Computer Science	Tiruppur Kumaran College for Women	Pursuing
M. Phil.	Computer Science	Bharathidasan University	2007
M. Sc.	Computer Science	STET Women's College	2005
B. Sc.	Computer Science	Sri Venkateshwara College of Arts and Science	2003

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Certification	Brief Introduction To Psychology	NPTEL	2018
Certification	Enhancing soft skills	NPTEL	2019

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M. Phil.	1	-

Publications: International / NationalJournals

1) B.Sivaranjani, Dr.C.Kalaiselvi**, SOBEL Operator and PCA for Nearest Target of Retina Images"**, ICTACT Journal on Image and Video Processing (ICTACT-IJIVP) ISSN:0976-9102,Volume 11,Issue 4,May 2021, Page Nos. 2483-2491, May 2021.

2) B.Sivaranjani, Dr.C.Kalaiselvi**, Nearest Target for Retina Images Based On Canny Edge Detector and Ensemble Classifiers"** ,International Journal of Future Generation Communication and Network(IJFCN) ISSN:2233-7857IJFGNC (Web of Science),Volume 14,Issue 1,March 2021, Page Nos. 602-616 ,March 2021.

3) B.Sivaranjani, Dr.C.Kalaiselvi **, A Study on Retinal Image Segmentation and Registration Methods"**, International Journal Scientific Research in Computer science, Engineering and Information Technology (IJSRCSEIT) ISSN:2456-3307(UGC Care),Volume 7,Issue 1,Jan-Feb 2021, Page Nos. 25-33,January-February 2021.

4) B.Sivaranjani, Dr.C.Kalaiselvi**, ISVM Based Template Matching of Retina Images"** , International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930(Scopus Indexed)Volume-5,Issue-1, January-2021, Page Nos. 1-7, January 2021.

5) B.Sivaranjani, Dr.C.Kalaiselvi, **Fuzzy Clustering Based Image Denoising and improved support vector machine (ISVM) based nearest target for Retina Images**, International Journal of Recent Technology and Engineering, Volume-8, Issue-5, January 2020, ISSN : 2277-3878,5.92(Scopus).

6) Sivaranjani, Dr.C.Kalaiselvi, **Review on Template matching and Registration of Retina Images for Teleophthalmology**, International Journal of Scientific and Research, Volume-8,Issue-11, ISSN : 2277-8616(Scopus),November 2019.

7) B.Sivaranjani,Dr.C.Kalaiselvi,**Video-Based Face Recogniton Modules and Approaches: A Survey**,International Journal of Advanced Research in Computer and Communication Engineering, Volume-8,Issue-6, ISSN:2278-1021,June-2019.

8) S.Rekha,B.Sivaranjani**, Diagnosis Brain Diseases using EEG Signal Classification Features,** Two day International Conference on Innovations in Computer Science and Information Technology(ICICSIT'18), February2018.

9) B.Sivaranjani,**A Context-Aware Relation Extraction Method for Relation Completion**, InternationalJournalofAdvancedResearchinComputerandCommunicationEngineering(IJIRCCE) (2320-9801), Volume-3, Issue-3, March2015.

10) B.Sivaranjani, **Robust Video-Based Face Recognition**, International Journal of Advanced Researchin Computer Engineering & Technology (IJRASET) (2321-9653), Volume-3, Issue-V, May2015.

11) B.Sivaranjani,**EEG Classification Features Analysis for Brain Diseases Diagnostics Using Matlab**, (IJCA) (2250-1797), Volume-5, Issue-6,October2015.

12) B.Sivaranjani, **Networks Brain Controlled Artificial Legs**, International Journal of Advanced Research in Computer and Communication Engineering(IJARCCE)(2319-5940) Volume-3, Issue- 2,February2014.

13) B.Sivaranjani, **Identify and Destroy Cancer Cells using Nano Technology,** International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) (2319-5940)Volume-3, Issue-2,April 2014.

14) B.Sivaranjani, **E-Learning an Overview**, International Journal of Engineering and Management Research (IJEMR) (2250-0758) Volume-4, Issue-4, August2014.

15) B.Sivaranjani, **Technology Development of Module Text**,International Journal of Advanced Research in Computer Engineering & Technology, (IJARCET) (2278-1323) Volume-3, Issue-9, September 2014.

16) B.Sivaranjani, **A system for Dissecting the Video for Tracing Multiple Humans in Multifaceted Situation**, International Journal of Computer Applications (IJCA)(0975-8887) Volume-7 ,September 2013.

Presentations in Conference

1) **Diagnosis Brain Diseases using EEG Signal Classification Features**, International Conference on Innovations in Computer Science and Information Technology (ICICSIT'18), Nehru Arts and Science College, Coimbatore, 08 &09-Feb-18.

2) K. Geetha, S. Rekha & B. Sivaranjani**, Thyroid Disease Classification using Evolutionary Multivariate Kernel SVM Prediction Method** 3rd International Research Conference on Advances inComputerScienceandInformationTechnology(IRCACSIT),ISBN-978-93-5311-228-8,September 2018.

3) **FaceRecognition**, International Conference on Information and Image Processing, Sankara College of Science and Commerce, Coimbatore,27-Feb-15.

4) **Advance Mining Data Trends and Technology using MAT Lab,** National Conference on Process Control (IBLAZE 15), Karpagam College of Arts and Science, Coimbatore,07-Feb-15.

5) **Neural Networks Brain Controlled Artificial Legs**, International Conference on Information and Image Processing, Dr. SNS College of Arts and Science and Commerce, Coimbatore,18-Aug-15.

6) **Cloud Computing**, National conference on Emerging & Innovative trends in Computer Science Trends (NCEITCS-2012), Karpagam College of engineering, Coimbatore,22-Aug-15.

7) **Soft Computing Technical using Data Mining** , National Conference on Recent Innovations in Soft computing(NCRISC 14) , Nehru Arts and Science College, Coimbatore,20-Sep-14.

8) **Neural Networks Brain Controlled Artificial Legs**, International Conference on Information and Image Processing, Sankara College of Science and Commerce, Coimbatore,23-Mar-14.

9) **Technology Development of Module Text**, International Conference on Soft Computing Technical (NPRISP-14), Rathinam College of Arts and Science, Coimbatore, 20-Sep-14.

10) **Web Mining**, Innovations in Communicative World NCICW-2012, Sankara College of Science and Commerce, Coimbatore,25-Feb-12.

Participation in Conference National

1) **Advanced Trends in Information Technology (NCATIT-2016),** Dr. N.G.P Arts and Science College, Coimbatore,24-Feb-16.

2) **Emerging Education Models for 21st Century Learner (NCEEM-2015),** Dr. N.G.P. Arts and Science College, Coimbatore,01-Aug-15.

3) **Advanced Trends in Information Technology (NCATIT-2013),** Dr. N.G.P. Arts and Science College, Coimbatore,21-Feb-13.

Participation in Seminars

1) **ApplicationsandChallengesinDataMining**,Dr.N.G.P.ArtsandScienceCollege,Coimbatore,24-Aug-17.

2) **Cyber Security Awareness and Defense Techniques,** Dr. N.G.P. Arts and Science College, Coimbatore,25-Aug-14.

3) **SecurityChallengesinWirelessCommunica-tions**,GRGovindharajuluSchoolofAppliedComputer Technology, Coimbatore,12-Jan-12.

Participation in Workshop

1) **SELEST-An Innovation towards Automation**, AJK College of Arts and Science, Coimbatore, 23- Feb-18.
2) **Industry – Institute Partnership for Excellence**, Nirmala College for Women, Coimbatore, 03-Dec-15.
3) **Software Testing**, Dr. N.G.P. Arts and Science College, Coimbatore,22-Feb-14.

Participation in Faculty Development Programme

1) **Online Faculty Development Programme on Research Methodology an Pedagogy for Tertiary Education,** Dr.N.G.P.Arts and Science College,Coimbatore,15-Jan-21 to 21-Jan-21.
2) **Quality Measures in Higher education Dr.N.G.P. Arts and Science College,** Coimbatore, Dec03-Dec-20 to 6-Dec-2020.
3) **Quality Initiatives in Higher education, Consortium Colleges,** Coimbatore,13-Apr-20 to 20-Apr-20.
4) **Improving your research visibility – Research Impact and Metrics**, Vellalar College of Engineering and Technology, Erode, 11-May 2020 to 13-May-2020
5) **Agent Based Intelligent System**, Sathyabama Institute of Science and Technology, Chennai, 04-May 2020 to 06-May-2020
6) **Machine Learning using Python**, VELs Institute of Science, Technology and Advanced studies, Chennai, 04-May-2020
7) **Emotional Intelligence**, KG College of Arts and Science, Coimbatore, 28-April-2020, 30-Apr-2020 & 02-May-2020
8) **Develop the ability to write research proposal**, AIMIT, Bengaluru, 24-Apr-2020
9) **Quality Initiative in Higher Education**, Consortium Colleges, Coimbatore, 13-Apr-2020 to 20-Apr-2020
10) **Quality Measures in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 03-Dec-19 to 09-Dec-19.

11) **NAAC Revised Accreditation Framework & OBE Assessment Methodology**, Dr.N.G.P. Arts and Science College, Coimbatore, 27-May-19 to 02-Jun-19.

12) **Introduction to R Programming**, Dr. N.G.P. Arts and Science College, Coimbatore, 30 &31-Aug-18.

13) **Quality Initiatives in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 3-December-18 to 9- Dec-18.

Conference / Seminar / Workshop Organized

1) **Organizing Committee Member**, National DST-SERB Sponsored Symposium on Cyber Security in Healthcare, Dr.N.G.P. Arts and Science College (NSCH-2022), Coimbatore, 13-May-2022.

2) **Organizing Committee Member**, 2nd National Virtual Conference on Application of Deep Learning in Artificial Intelligence (NCDAH-2021), Dr.N.G.P. Arts and Science College, Coimbatore, 25-Mar-2021.

3) **Organizing Committee Member**, National Level Technical Symposium on TECHTRIX-2020, Dr.N.G.P. Arts and Science College, Coimbatore, 03-Feb-2020.

4) **Organizing Committee Member**, National Seminar on Computing Platforms for Biological Big Data Analytics, Dr. N.G.P. Arts and Science College, Coimbatore, 05-Feb-2020and 06-Feb-2020.

5) **Organizing Committee Member**, Second International Conference on Research Trends in Computing Technologies (ICRTCT-2020), Dr. N.G.P. Arts and Science College, Coimbatore, 03-Feb-2020.

6) **Organizing Committee Member**, International Conference on Research trends in Computing Technologies (ICRTCT-18), Dr. N.G.P. Arts and Science College, Coimbatore, 9 &10-Aug-18.

7) **Organizing Committee Member**, National Conference on Computer Communication and Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 24-Feb-16.

8) **Organizing Committee Member**, National Conference on Computer Communication and Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Sep-13.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
IAENG - International Association of Engineers	Life-time	-
IRED - Institute of Research Engineers and Doctors	Life-time	-

Name of the Professional Body | **Nature of membership** | **Duration**