Dr.S.PRINCY SUGANTHI BAI MCA., M.Phil., ME., SET.,Ph.D

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https://www.adscientificindex.com/scientist_print.php?id=4876936

http://www.researcherid.com/rid/P-3738-2015

https://www.researchgate.net/profile/Princy-Suganthi-Bai-S-2

Vidwan-ID : 326645

EDUCATIONAL QUALIFICATION: BSC., MCA., M.Phil., ME.,SET., Ph.D.,

Degree	Year of Passing	Name of the College & University	Class obtained	Specialization
PhD	2023	Bharathiar University Coimbatore	Viva-Voce Date 12-01-2023	Computer Science (Biometrics, Machine Learning and Data Analytics)
SET (TNSET 2016)	2016	Nodal Agency: Mother Teresa Women's University – Kodaikanal	Qualified	Computer Science & Application
ME	2012	MS University Tirunelveli	FIRST	CSE
M.Phil	2005	Mother Teresa Women's University, Kodaikanal.	FIRST	Computer Science
MCA	2003	Kamaraj College, Thoothukudi MS University	FIRST	Computer Applications
BSc	2000	Sarah Tucker College, Tirunelveli MS University	FIRST	Physics

ACADEMIC EXPERIENCE: 19 YEARS 6 MONTHS

S.No	Name of the College	Year of Experience			
		No. of years	Designation	From	To
1.	Hindustan Institute of Technology and Science (Deemed to be University), Chennai, Tamil Nadu, India		Associate Professor (Department of Computer Applications)	30-08-2023	Till date
2.	Sarah Tucker College, Tirunelveli-7	5 years	Assistant Professor (Department of Computer Science)	03-07-2018	25-08-2023
3.	Francis Xavier Engg. College, Tirunelveli-3	3 Years	Associate Professor & Head (Department of Computer Applications)	01-08-2015	30-06-2018
4.	Francis Xavier Engg. College, Tirunelveli-3	7 Years 1 month	Associate Professor (Department of Computer Applications)	02-06-2008	31-07-2015
5.	Sarah Tucker College, Tirunelveli-7	4 Years 5 months	Lecturer (Department of Computer Science)	05-12-2003	31-05-2008

CERTIFICATION

- **EMC Academic Associate** in **Data Science and Big Data Analytics**, certified on 11.6. 2016
- Certified in **Hardware**, 01.11.2007 to 20-01-2008
- Certified for **Learning Approach Practitioners** – Mission10x, **Wipro**. 4.10.2010 and 5.10.2010

PUBLICATIONS

- Number of papers published in International Journals: 10 (as per Annexure - I)
- Number of paper presented in conferences : 16 (as per Annexure - II)

PARTICIPATIONS

- **Resource person** for workshops, Seminars and FDPs: 14 (as per Annexure - III)
- Number of Workshops attended : 16 (as per Annexure - IV)
- Number of Seminars attended : 10 (as per Annexure - V)
- Number of Trainings attended:12 (as per Annexure - VI)
- Membership: 9 (as per Annexure - VII)
- On-line FDPs Attended : 20 (as per Annexure - VIII)
- Book chapters contributions: (as per Annexure - IX)

SWAYAM COURSES COMPLETED: 7

Course Title	From – To	University / Sponsoring Agency
Programming in Java	25-07-2022 To 14-10-2022 (12 week course)	SWAYAM – NPTEL
Problem solving Through programming in C	25-07-2022 To 14-10-2022 (12 week course)	SWAYAM – NPTEL
Developing Soft Skills and Personality	Sep-Nov 2020 (8 week course)	SWAYAM – NPTEL
Cloud Computing	Aug-Sep 2019 (8 week course)	SWAYAM – NPTEL
Academic and Research Report Writing	Jan19 to Feb19 (Two credit course)	SWAYAM
Machine Learning	25-Feb-19 to 19-Apr-19	SWAYAM
Introduction to Internet of Things	July-18 to Oct-18	SWAYAM

EXTENDED ACTIVITIES

1. Expert member for framing the new curriculum and syllabus for MCA department – Francis Xavier Engineering College, Tirunelveli.

2. **Question paper setter** and external exam evaluator Sadakathullah Appa College - [SAC], Palayamkottai, Tirunelveli, GVN college, Kovilpatti and Francis Xavier Engineering College, Tirunelveli.

3. Acted as **Examiner for Practical Examinations** - Anna University Chennai and Manonmaniam Sundaranar University, Tirunelveli, Sadakathullah Appa College - [SAC], Palayamkottai, Tirunelveli and Francis Xavier Engineering College, Tirunelveli.

4. Acted as **Examiner for Theory Examinations** – Anna University Tirunelveli, Anna University Chennai, Manonmaniam Sundaranar University, Tirunelveli, Sadakathullah Appa College - [SAC], Palayamkottai and Francis Xavier Engineering College, Tirunelveli.

5. Being department **Association In-charge** for four years in Sarah Tucker College, Tirunelveli-7 and ten years in Francis Xavier Engineering. College, Tirunelveli-3

6. **Faculty Advisor** for 2008-2011, 2011-2014 batch and 2014 batch of FXEC, 2018 batch and 2021 batch of STC.

7. **Counseling coordinator** for the department since 2008 to 2018 in FXEC.

8. Participated in **outreach program at Punakayal** on 13 march 2013.

9. Co-ordinated National-level symposiums, seminars, workshops, cultural programs, **College day,** Christmas day programs and Industrial visits.

PERSONAL DETAILS

Name	: **S.PRINCY SUGANTHI BAI**
Residential Address	: 1, Suvisesha Street, Murugankurichi, Tirunelveli – 627002
Date of Birth	: 09.10.1979
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Nationality	: Indian
PAN CARD	: AWZPP3025B
AADHAR CARD	: 552061896898

DECLARATION

I hereby state that the information furnished above is true to the best of my knowledge.

Place : Tirunelveli

Date :

S.PRINCY SUGANTHI BAI

Annexure-I

Publications in International Journals: 10 papers

1. S. Princy Suganthi Bai, "A Cloud based Database and its Features for Biological Data", Journal Of Pharmaceutical Negative Results, Vol. 13 Special Issue 03 (2022), DOI: https://doi.org/10.47750/pnr.2022.13.S03.008

2. **S. Princy Suganthi Bai,** D. Ponmary Pushpa Latha, "Novel weight added kernel-based PCA approach for face recognition system", Journal of Xi'an University of Architecture & Technology**[SCOPUS indexed]**, ISSN No : 1006-7930, Page No: 658-667, Volume XIII, Issue 12, 2021. https://doi.org/10.37896/JXAT13.12/314366,

3. **S. Princy Suganthi Bai,** D. Ponmary Pushpa Latha, "Reliable Face Recognition System using KPCA based Feature vector", International Journal on Emerging Technologies **[SCOPUS indexed]**, ISSN No. (Print): 0975-8364, Volume 11(3): Page No.: 681-685, 2020.

4. **S.Princy Suganthi Bai,** Dr. D. Ponmary Pushpa Latha, "A Novel Face Recognition System for Plastic Surgery Face Database using Single Eigen Value", International Journal of Engineering and Advanced Technology (IJEAT) **[SCOPUS indexed]**, ISSN: 2249-8958 (Online), Volume-8 Issue-5, Page No.:1025-1030, June 2019.

5. **S.Princy Suganthi Bai,** Dr. D. Ponmary Pushpa Latha, A vital SVKPCA Feature Set for Robust FRS with Ensemble Neural Network Classifier", International Journal of Recent Technology and Engineering (IJRTE) **[SCOPUS indexed],** ISSN: 2277-3878, Volume-7, Issue-6, Pages: 471-479, March 2019.

6. **S.Princy Suganthi Bai,** Dr. D. Ponmary Pushpa Latha, "Improved facial feature sets for enhancing face recognition system", International Journal of Engineering & Technology (IJET) **[SCOPUS indexed]**, Volume - 7, Issue 4, Pages: 3058-3064, 2018.

7. **S.Princy Suganthi Bai,** Dr. D. Ponmary Pushpa Latha, "Extracting and Analysing of Heterogeneous Features for Robust FRS", **International Journal of Advanced Engineering Research and Science (IJAERS)** (DOI :10.22161/ijaers.5.2.6. Indexed in URL: http://www.researcherid.com/rid/P-3738-2015 **(Thomson Reuters),** Vol-5, Issue-2, February 2018.

8. **S.Princy Suganthi Bai,** "An enhanced fingerprint recognition system using haralick featutres", International Journal of Innovative Engineering and Technology, Vol.4, No. 3, April 2015.

9. **S.Princy Suganthi Bai,** "An Effective Multi-domain Facial feature based improved FRS", International Journal of Innovative Engineering and Technology, Vol.2, No. 3, April 2015.

10. S.Princy Suganthi Bai, S.Selvakani, "An Advanced Efficient Secured Blind Authentication and Verification Crypto Protocol", International Journal of Future Generation Communication and Networking (Korea), Vol.4, No. 3, September 2011.

Annexure - II

Paper Presented in Conferences: 16 papers

1. Jenina Angelin D, S.Princy Suganthi Bai, "Performance Analysis of Iris Dataset with Diverse classifiers", Departments of Mathematics, Computer Science & Applications Agurchand Manmull Jain College 09-09-2022 and 10-09-2022.

2. V.Nisha Jenifer, **S.Princy Suganthi Bai,** "High Level Authentication System Using Palm Vein Based on Deep Neural Network", International conference on pervasive computing and social networking, Narasu's Sarathy Institute of Technology, Chennai, 19.3.2021and 20.3.2021.

3. S.Princy Suganthi Bai, Dr. D. Ponmary Pushpa Latha, "Effective Utilization of Face Verification in Fog Computing on Cloud Architecture", International Conference on Big Data and Cloud Computing - ICBDCC 2019, ISSN: 2194-5357 (published in Springer-**https://www.springer.com/in/book/9789811552847 [SCOPUS indexed])** in Karunya University, Coimbatore, India 6.12.2019 and 7.12.2019.

4. S.Princy Suganthi Bai, Dr. D. Ponmary Pushpa Latha, "Impacts of PCA on Face Recognition System" (Paper id: ICOEI 050), 3rd International Conference on Trends in Electronics and Informatics (published in **IEEE Xplore [SCOPUS indexed])** in SCAD College of Engineering and Technology Tirunelveli, pages 117-120, India. 23-25, April 2019.

5. S.Princy Suganthi Bai, Dr. D. Ponmary Pushpa Latha, "Analysis of Facial Features for Face Recognition" IEEE sponsored International Conference in Karpagam College of Engineering, Coimbatore, Dec2016.

6. C.Jothi Lakshmi, S. Princy Suganthi Bai, "Brain Tumour Classification using Probabilistic Neural Network" National Conference in Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, May 2014.

7. N.Lavanya, S. Princy Suganthi Bai, "Assessing the Keyrole of various ANN Techniques in Biometrics" National Conference in Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, May 2014.

8. K.Christy Bai, S. Princy Suganthi Bai "Quality Analysis of Tomatoes using GLCM Tecnique" National Conference in Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, May 2014.

9. S.Sudha, S. Princy Suganthi Bai "Detecting Pedestrians using Gradient Features from Surveillance Video" National Conference in Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, May 2014.

10. S.Mahalakshmi, S. Princy Suganthi Bai "Analysis of Effective Facial Feature for Face Recognition" National Conference in Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, May 2014.

11. S. Princy Suganthi Bai, P. Sundareswaran "Improved Face Recognition system utilizing Incremental Algorithm" in ISSEC International conference in RajaRajeswari College of Engineering, Bangalore with Kingston University, London, 11 Apr 2012 to 13 Apr 2012.

12. S. Princy Suganthi Bai, R. Karthik "Efficient Face Recognition system using Neural Classifier" in ISSEC International conference in RajaRajeswari College of Engineering, Bangalore with Kingston university, London, 11 Apr 2012 to 13 Apr 2012.

13. R. Karthik, S. Princy Suganthi Bai "A Neural and hopfield approach for enhancing password Authenticatioin" National Conference in Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, 22 Feb 2012.

14. S. Princy Suganthi Bai, P. Sundareswaran "A Neural approach for Face Detection with Enhanced dataset" National Conference in Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, 22 Feb 2012.

15. S. Princy Suganthi Bai , R. Karthik " A Neural Approach for enhancing password Authenticatioin" National Conference in Jeya Engineering College, Chennai, 30 Sep 2011

16. S. Princy Suganthi Bai, P. Geevitha "An Advanced Efficient Secured Blind Authentication and Verification Crypto Protocol", National Conference in Easwari Engineering College Chennai, 18 and 19 April 2011.

Annexure – III

Resource for Workshops/ Seminars/ FDPs: 14

S.No	Date	Title	Audience	Venue /Organizers
1.	29-03-2023	Guest Lecture on Research Paradigm	Faculties of various Colleges	Department of Computer Applications, Francis Xavier Engineering College, Tirunelveli.

2.	27-04-2021 and 29-04-2021	'SVM and Multi-class SVM' and 'Ensemble Approaches' in Faculty Development Programme on "Machine Learning with Python" (26-April-2021 to 30-April-2021) "Machine Learning with Python" (26-April-2021 to 30-	Faculties of various Colleges	Department of Computer Applications, Francis Xavier Engineering College, Tirunelveli, association with Institution's Innovation
3.	21-01-2021	Classification APP menu in Matlab (Short-Term Course on 'Use of MATLAB in Research' (18 January - 23 January, 2021))	Faculties of various Colleges	UGC-HRDC Dr. Harisingh Gour University, Sagar University. (Central University)
4.	22-07-2020	**FDP on** Machine Learning in Research Perspective	Faculties of various Colleges	St. Joseph's Institute of Technology, Chennai.
5.	04-09-2019	**Guest Lecture** on Recent Trends in IT Industry	Final year Computer Science students	Sri Saradha College for Women, Ariyakulam, Tirunelveli
6.	21-02-2018	**Seminar** on "Recent Trends in IT Industry"	BSc(CS) students (Participated from seven colleges)	Pope's Arts and Science College, Thoothukudi
7.	18-12-2017	Etiquette	ECE dept., FXEC	ECE dept., FXEC
8.	23-11-2017 to 24-11-2017	A Hands-on training is given on "BigData" as a Winter vacation Training programme	II MCA students of Francis Xavier Engineering College	MCA lab Francis Xavier Engineering College
9.	22-09-2017	"R tool applications in Big Data Analysis"	III YEAR BE IT students of Francis Xavier Engineering College	MCA lab Francis Xavier Engineering College

10.	29-07-2017	**FDP** on "R tool applications in Big Data Analysis"	Staff members of Arts and Science College, in and around Tirunelveli and Thoothukudi district.	APC Mahalakshmi College, Thoothukudi.
11.	23-09-2016	Chief Guest for the association inaugural and Guest talk on **Big Data**	BSc Computer science department staff and students	Sarah Tucker College, Tirunelveli-7.
12.	17-09-2016	National Seminar on **Current Trends**	BSc Computer science and BCA department staff and students	C S I Jeyaraj Annapackiam College -Nallur
13.	15-06-2016 to 25-06-2016	FDP in **Big Data** Analytics (DST sponsored)	Faculties from various Engineering, Arts and Science college and Universities	Francis Xavier Engineering College
14.	28-06-2012	**Digital Image Processing**- JPEG & MPEG Standards (Anna University Sponsored**)**	Faculties from various Engineering, Arts and Science college and Universities	Francis Xavier Engineering College
15.	16-08-2011 to 20-08-2011 (5 days)	Workshop on **Adobe Photoshop**	ECE students of Francis Xavier Engineering College	Francis Xavier Engineering College

Annexure – IV

Workshops Attended: 16

S.No	Attended Date(s)	Title	Venue/ Organizer
1.	16-09-2022	Effective Coding with Java & Query Optimization	Department of Computer Applications & Research Centre, Sarah Tucker College

2.	10.05.2021 to 14.05.2021	Five days online workshop on Linux	VIT Chennai
3.	10.08.2018	Python Programming	Computer Science Department, Sarah Tucker College, Tirunelveli.
4.	12.12.2017 & 13.12.2017	Hands on Workshop on " Software testing Automated Tools"	MCA Department, FXEC
5.	04.12.2017 to 08.12.2017	AICTE Sponsored workshop on "Nano Technology based VLSI Physical Design"	Department of Computer Science and Engineering, FXEC
6.	23. 03.2016	R Programming	CSE department, Mepco College, Sivakasi
7.	09.10.2015	Research Directions in Computing Techniques for Data mining and Image Analysis.	VOC College, Thoothukudi.
8.	09.08.2013 to 11.08.2013	Three day MATLAB Workshop	Scientific Computing Solutions - Chennai
9.	13.07.2013	Fundamentals of Digital Image Processing using MATLAB	IT dept., Francis Xavier Engineering College, Tirunelveli-3.
10.	21.06.2013 to 22.06.2013	Two day MATLAB Workshop	Scientific Computing Solutions - Chennai
11.	27.4.2012 to 29.4.2012	Intensive three-Day Workshop on Image Processing using MATLAB – IWIPM'12	Vins Solutions Tirunelveli
12.	15.11 2011	Workshop on LATEX	DR.Sivanthi Adithanar College of Engineering, Tiruchendur.

13.	19.4.2010 to 23.4.2010	Mission10x Workshop	Francis Xavier Engineering College, Tirunelveli-3.
14.	6.12.2007 to 7.12.2007	Web Resource for Research and Web Page Design	St.Xaviers College (Autonomous) & Salis
15.	11.4.2007	Architecture and Applications of Neural Networks	Aditanar College of Arts and Science, Tiruchendur
16.	28.2.2007	Workshop on Advanced Networking WANET,07	Sarah Tucker College, Tirunelveli-7.

Annexure – V

Seminars Attended: 10

S.No	Attended Date	Title	Venue/ Organizer
1.	07.12.2018	One day Seminar on Quality Research and Publications	Manonmaniam Sundaranar University.
2.	27.11.2017 and 28.11.2017	ICMR Sponsored National Seminar –" Multi-Disciplinary Activity in WSN regarding Structural Health Monitoring"	Department of ECE, FXEC
3.	30.11.2017	Workshop on Internet of Things	CSE Department in Association with KKMSoft Pvt. Ltd., Chennai
4.	23.11.2017 and 24.11.2017	ICMR Sponsored National Seminar –" A Computational Intelligence in the Future of Bio informatics , Forensics and Biomedical Engineering Sciences – Strategic and Innovation"	Department of Information technology, FXEC
5.	22.08.2015	Submission of Project Proposals to Funding Agencies and Promotion of consultancy Activities	Government College of Engineering , Tirunelveli.
6.	24.7.2015 to 25.7.2015	Seminar on Multi- modal Biometric authentication system (DST sponsored)	Sri Saradha College, Tirunelveli-11.
7.	31.10.2014 to 01.11.2014	Two-days Seminar	Einstein College of Engineering

8.	03.12.2012 to 06.12.2012	Research opportunities in Machine Learning and Natural Language Processing	National Engineering College, Kovilpatti
9.	04.03.2008	Emerging Trends in IT	Sarah Tucker College, Tirunelveli-7.
10.	29.6.2007 to 30.6.2007	Recent Advances of Computing in Computer Science	VHN Senthikumara Nadar College, Viruthunagar. State Level Seminar

Annexure – VI

<u>**Training Attended 16**</u>

S.No	Attended Date	Title	Venue/ Organizer
1.	24.05.2021 to 25.05.2021	FDP on "Future Technologies: Artificial Intelligence"	Organized by Department of Information Technology, Kings Engineering College
2.	01.03.2021 to 06.03.2021	Short Term Training Programme on Data Science with R-Tool organized by during.	Department of Computer Science and Engineering, Nandha Engineering College
3.	17-12-2018 to 18-12-2018	2 Day Faculty Development Program on Data Science and Big Data Analytics	ICT Academy on PET Engineering College
4.	22.06.2018	Hands-on Training using Arduino Device for Real Time Applications	MCA department, Francis Xavier Engineering College, Tirunelveli-3
5.	02.05.2018 to 04.05.2018	Embedded Systems and IoT Applications	ECE department, Francis Xavier Engineering College, Tirunelveli-3.
6.	26.04.2018	Arduino Progrmming	IT dept., Francis Xavier Engineering College, Tirunelveli-3.
7.	19.03.2018 to 22.03.2018	IBM CE – Predictive Modeling using IBM SPSS Modeler	Francis Xavier Engineering College, Tirunelveli-3.
8.	23.01.2018 to 27.01.2018	Training for Trainers	Francis Xavier Engineering College, Tirunelveli-3.

9.	07.11.2017 to 15.12.2017	C Programming (ACME Info-Tech)	ACME Info-Tech, Tirunelveli
10.	15.06.2016 to 25.06.2016	FDP- Big Data Analytics (**DST** sponsored)	Francis Xavier Engineering College, Tirunelveli-3.
11.	06.06.2016 to 11.06.2016	FDP- Data Science and Big Data Analytics (EMC^2 and ICTACT)	Francis Xavier Engineering College, Tirunelveli-3.
12.	06.06.2013 to 18.06.2013 (12 days)	FDP- Emerging Trends in Image Understanding and Pattern Recognition	AITCE sponsored, at Francis Xavier Engineering College, Tirunelveli-3.
13.	20.06.2012 to 28.06.2012 (8 days)	FDP- Digital Image Processing	Organised by Anna University Chennai, at Francis Xavier Engineering College, Tirunelveli-3.
14.	29.06.2012 to 1.7.2012	Advanced Digital Image Processing and Pattern Recognition using Matlab	Scientific Computing Solutions – Chennai
15.	19.12.2011	Vision and Image Processing with Matlab-IEEE Branch	Francis Xavier Engineering College, Tirunelveli-3.(IEEE student Branch)
16.	23.08.2010 to 30.8.2010	Certificate in Java Programming- ICTACT	Francis Xavier Engineering College, Tirunelveli-3.

Annexure – VII

Committee member/ organizer/reviewer in the International Programme: 9

S.No	Title	Name of the Activity	Venue & Date (dd-mm-yyyy)
1	Chair person	Third International conference on Innovative Computational Intelligence (ICICI 23)	Francis Xavier Engineering College, Vannarpettai, (online) 28-04-2023
2	Chair person	International Multidisciplinary Conference on Innovation in	APC Mahalakshmi College for Women, Thoothukudi.

		Research	(online)
			01-04-2023
3	Organiser	30 Days Python full Stack Masterclass Pantech Solutions	online 27-02-2023 to 28-03-2023
4	Guest Lecture	Research Paradigm	29-03-2023 Francis Xavier Engineering College, Vannarpettai
5	Reviewer	4th Springer International Conference, Bhopal IDEA 2K22	23-12-2023 to 24-12-2023
6	Organiser	30 days Image Processing using OpenCV master class	Online 12-10-2022 to 11-11-2022
7	Organizing Committee member	International Conference on Multi-Disciplinary Research Studies and Education(**ICMDRSE-19**)	29th - 30thMarch, 2019, Hilton Hotel Chennai.
8	Advisory committee member	International conference on Recent Trends in Multi-Disciplinary Research (**ICRTMDR - 18**)	20 – 21 December, 2018 A.P.C Mahalaxmi College for women, Thoothukudi, Tamilnadu.
9	Organizing Committee member	International Conference on Recent Advancements in Information Technology, Sciences and Engineering (**ICRAITSE-17**)	14th -15th December at A.P.C Mahalaxmi College for women, Tuticorin, Tamilnadu in collaboration with IFERP

On-line FDP Attended : 20

S.No	Seminar Title	Host Institution with date (dd/mm/yyyy)
1.	Industry Perspective on Data Science and Cloud Computing	Sathyabama Institute of Science and Technology (14/05/2020 to 16/05/2020)
2.	Project proposals for funding agencies (UGC STRIDES and ICSSR IMPRESS)	Patrician College of Arts and Science, Chennai-20. (16/05/2020 to 17/05/2020)
3.	Recent Applications of Mathematics in Engineering	Karunya Institute of Technology and sciences, Coimbatore. (18/05/2020 to 22/05/2020)
4.	Machine Learning and Applications	Sagar Institute of Research and Technology, Bhopal. (18/05/2020 to 23/05/2020)
5.	One Week Faculty Development Programme on R in association with Spoken Tutorial, IIT Bombay	Thiruvallur University Arts and Science College, Arakkonam. (21/05/2020 to 27/05/2020)
6.	5 day Online National FDP on Artificial Intelligence	Department of Information Technology, ANITS & National Youth Council of India. (22/05/2020 to 26/05/2020)
7.	Programming and Type Setting Tools in Engineering	Karunya Institute of Technology and sciences, Coimbatore. (25/05/2020 to 29/05/2020)
8.	Ten Days Online Faculty Development Programme on Python Programming and Machine Learning Techniques.	K.S.R College of Engineering, Tiruchengode. (18/05/2020 to 22/05/2020 and 25/05/2020 to 29/05/2020)

9.	Cloud Computing	SWAYAM – NPTEL (Aug-Sep 2019 8 weeks)
10.	Five Days Online National Faculty Development Programme (ICT based Teaching and Learning Tools)	Hindusthan College of Arts And Science (01/06/2020 to 05/06/2020)
11.	Big data Engineering	Kings Engineering College, Chennai. (01/06/2020 to 05/06/2020)
12.	Online Workshop and One Week National Faculty Development Programme - Moodle Learning Management System	Organized by Spoken Tutorial, IIT Bombay, remotely at Hindusthan College of Arts and Science, Coimbatore (10/06/2020 to 16/06/2020)
13.	Online Faculty Development Program on PERL SCRIPTING	Lords Institute of Engineering and Technology association with Spoken Tutorial IIT-Bombay. (10/06/2020 to 14/06/2020)
14.	Internet of Things	Department of Computer Science, Sarah Tucker College. (18/06/2020 and 19/06/2020)
15.	Techniques in Enhancing Teaching & Learning Skills	Idhaya College for Women, Kumbakonam (15/06/2020 to 19/06/2020)
16.	National Level Online 5 Days FDP on "Machine Learning And Research Opportunities"	Sapthagiri College of Engineering, Bengaluru. (15/06/2020 to 19/06/2020)
17.	Two weeks International online FDP on Digital initiatives for higher education.	Organised by SWAYAM- NPTEL chapter, GVN college, Kovilpatti. (04/06/2020 to 17/06/2020)
18.	Five days Online Faculty Development Programme - hands on training in Python Programming.	DRBCCC Hindu College, Chennai, Tamil Nadu, in collaboration with Spoken-Tutorial Project, IIT Bombay(10/06/2020 to 15/06/2020)

19.	How Teachers can make a Difference	Rajalakshmi Engineering College, Chennai conducted with Teaching Learning Centre of IIT – AICTE Margdarshan (15/06/2020 to 19/06/2020)
20.	Impact and Application of Industry 4.0 after Lockdown	Dr. MGR – Janaki College of Arts and Science for Women, Chennai. (29/05/2020 to 02/06/ 2020)

Annexure – IX

<u>Book chapters contributions:</u>

Princy Suganthi Bai S., Ponmary Pushpa Latha D., David Vinodh Kumar Paul R., "Effective Utilization of Face Verification in Fog Computing on Cloud Architecture", In: Peter J., Fernandes S., Alavi A. (eds) Intelligence in Big Data Technologies—Beyond the Hype. Advances in Intelligent Systems and Computing, vol 1167. Springer, Singapore, First online July2020

https://link.springer.com/chapter/10.1007/978-981-15-5285-4_30