Name	Dr. BETTY P
Designation	ASSISTANT PROFFESOR
Email Id	bettypaulraj.ce@bitseducampus.ac.in
Contact No	0265-2303991 Ext: (962)

Total Experience:	10 Years 5 Months
Teaching:	10 Years 5 Months
Industry:	NA

Professional Summary:
- Currently Working as an Assistant Professor in Computer Science and Engineering Department in KSET, KPGU from 01-09-2021.
- Worked as Assistant Professor in Babaria Institute of Technology from 10th February 2021 to 31st August 2021.
- Worked as Assistant Professor in Kumaraguru College of Technology for 8 Years (18/04/2011 to 30/04/2019).
- Worked as Assistant Professor in Sri Ramakrishna Engineering College for 4 months (22/11/2010 to 12/04/2011).
- Worked as Assistant Professor in Karunya University for 6 months (03/05/2010 to 20/11/2010).

Current Activities:
Member of the Board of Studies
Mentor and Guide of students

Specialization Areas:
Data Security, Cyber Security, Image Processing

Subject Taught (UG/PG):
Structured Programming Using C
Information Security,
OperatingSystem,
Software Engineering,
Multimedia Systems ,
Data Structure,
Computer Programming ,
Object Oriented Programming

Qualification:
1. ***Ph.D. (Information & Communication Engineering), Anna University, Chennai*** (Completed on December 2019)
2. ***M.E. (Computer Science and Engineering) from Sri Krishna College of Engineering and Technology,*** Anna University, Coimbatore (2008 – 2010), with the CGPA of 8.6 on 10 point scale.
3. ***B.E. (Computer Science and Engineering) from CSI Institute of Technology***, Anna University (2004-2008), with the aggregate of 73.5%

Skills:	1. ***Possess good problem solving techniques related to Data Security*** issues with the help of sound technical knowledge and understanding about the Biometric Data Processes, Algorithms and Hardware Modules.
	2. ***Possess better team building, leadership and presentation skills*** along with even temperament and positive attitude towards life.

Research Project:	NIL
Publications:	**a. International Journals**:

1. Betty P , Mohana Geetha D and Jeena Jacob I, 2018 'An Efficient feature extraction for biometric authentication', International Journal of Business Intelligence and Data Mining (E-ISSN: 1743-8195, print ISSN: 1743-8187), DOI: 10.1504/IJBIDM.2018.10014922], (SCI, Scopus Indexed Journal).
2. Betty P, Mohana Geetha D 'Context Aware Rule Expert System for Biometric Template protection' International Journal of Applied Engineering Research , Vol 10,No 2, 2015 .(Scopus indexed Journal).
3. Betty P, Mohana Geetha D ' Design and experimentation of Face liveliness detection using temperature gradient and image quality Assessment' International Journal of Recent Technology and Engineering, Vol 8, Issue-3,2019(Scopus Indexed Journal)
4. Betty P, Mohana Geetha D and Jeena Jacob I, 2017 ' An Efficient Biometric feature extraction using CBIR, Biomedical Research Vol: 28, No:14 (Scopus indexed Journal)

b. International Conferences:

1. Betty P, Mohana Geetha D, ' An Elaborated view on attacks and protection methods towards biometric templates' - IEEE International Conference on trends in Electronics and Informatics, SCAD College of Engineering and Technology, Cheranmahadevi, Tirunelveli, 2017
2. Betty P, Mohana Geetha D 'An Efficient Biometric feature extraction using CBIR' International Conference on Electrical Sciences, SNS College of Technology, Coimbatore, 2017

Other Publications in Scopus Journals:

1. **Betty P.** Biometric template security using DNA codec based transformation, Multimedia Tools and Application, Vol:80, No:5- 2020

2. **Betty P.** Image Retrieval using Intensity Gradients and Texture Chromatic Pattern: Satellite Image Retrieval IGI Global, Data Warehousing and Data Mining-Jan 2021
3. **Betty P.** GATE Capsule- Creative Learning Experience , IEEE-International Conference on Smart Systems and Inventive Technology, 2019
4. **Betty P.** Online Communication with Natural language, IEEE-International Conference on Smart Systems and Inventive Technology, 10.1109/ICSSIT46314.2019.8987832 2019, 2019

5. Sathya D., Nithyaroopa, S., **Betty, P**., Santhoshin, G., Sabarinath, S., Ahanaa, M J. (2018). Smart Walking Stick for Blind Person: International Journal of Pure

and Applied Mathematics, 118, 20, 4531-4535(Scopus Indexed Journal)

6. Jeena Jacob I, Srinivasagan K G, Gomathi S, Joyce Beryl Princess P, **Betty P**, Ebby Darney P (2018). Tri- Chrominance Texture pattern: International Journal of Engineering and Technology, 7 (22), 15-20.(Scopus Indexed Journal)

7. Nithya Roopa, S. **Betty, P**., Sathya, D., (2018). Speech Emotion Recognition using Deep Learning: IJPAM, 4439-4444.(Scopus Indexed Journal)

8. **Betty, P**., Sathya, D., Nithya roopa, Jeena Jacob, Emy Ramola,P. (2018). An efficient algorithm for power and delay minimization: IJPAM, 112, 20, 4433-4438.(Scopus Indexed Journal)

9. M. Sangeetha, **P. Betty** and G. S. N. Kumar, "A biometric iris image compression using LZW and hybrid LZW coding algorithm," 2017 International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS), Coimbatore, 2017, pp. 1-6.(Scopus Indexed Proceedings)

10. NithyaRoopa ,S., Prabhakaran ,M., & **Betty, P**., (2018). Speech Emotion Recognition using Deep Learning .IJRTE, 7(4S), 247-250(Scopus Indexed Journal)

Other Publications in non Scopus Journals and Conferences:

1. S.Mohana Prakash, **P.Betty**, K.Sivanarulselvan (2016). Fusion of Multimodal Biometrics using Feature and Score Level Fusion. International Journal on Applications in Information and Communication Engineering. 2(4), 52-56.

2. M.Praveen, K.Sivanarulselvan, **P.Betty**. (2016). Survey on Multi Query Content Based Image Retrieval Systems. ELK Asia Pacific Journal of Computer Science and Information Systems.2(1)

3. G.Santhoshkrishnan, K.Sivanarulselvan, **P.Betty**. (2016). Brain Tumor Detection and Classification using Image Processing. International Journal on Applications in Information and Communication Engineering. 2(4), 32-35.

4. G.Santhosh Krishnan, K.Sivanarulselvan, **P.Betty**. (2016) Survey on Brain Tumour Detection and Classification using Image Processing. ELK Asia Pacific Journal of Computer Science and Information Systems, 2(1).

5. S.Mohana Prakash, **P.Betty**, K.Sivan Arul Selvan. (2016). Survey on Fusion of Multimodal Biometrics using Score Level Fusion. ELK Asia Pacific Journal of Computer Science and Information Systems. 2(1).

6. M.Praveen, K.Sivanarulselvan, **P.Betty**. (2016). MultiQuery Content Based Image Retrieval System based on pattern mining. International Journal on Applications in Information and Communication Engineering. 2(4). 36-40

7. **Betty P**., Sangeetha, (Nov16). A Survey on Biometric Compression Techniques, International journal of Modern computer science and application (IJMCSA), 2321-2632, 4,4

8. **Betty P**., Sangeetha, (Jan17). A Dynamic Image Compression using Improved LZW Encoding Algorithm, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, 2456-3307, 2,1

9. Jothimani S, **Betty P**, "A Survey on Image Authentication Techniques",

International Journal of Engineering Trends and Technology (IJETT), Volume 7 Number 4- Jan 2014.

10. Jothimani S, **Betty P,** "Image authentication using Global and Local Features" in IEEE International Conference on Green Computing Communication and electrical Engineering conducted by Dr.N.G.P Institute of Engineering and Technology,

11. Jothimani S, **Betty P,** "A study on image authentication techniques" in TCS sponsored National Conference conducted by Sri Krishna college of Engineering and Technology,

12. Jothimani S, **Betty P,** "Image authentication using robust hashing based on Zernike moments" in Second National Conference conducted by Exce Engineering College, Namakkal.2014

13. Jothimani S, **Betty P**, A Robust and Secure Hash Based Scheme for Image Authentication" in National Conference conducted by Park College of Engineering And Technology, Coimbatore.

14. Poongodi P, **Betty P**, A study on biometric template protection techniques, International Journal of Engineering Trends and Technology (IJETT), Volume 7 Number 4- Jan 2014.

15. Poongodi P, **Betty P,** A study on biometric template protection techniques, in TCS sponsored National Conference conducted by Sri Krishna college of Engineering and Technology,2014

16. Poongodi P, **Betty P,** Biometric template protection using intelligent approach, National Conference on Issues and trends in advanced computing at Bannari Amman Institute of Technology, Sathyamangalam.2014

17. Poongodi P, **Betty P,** Protection of biometric template storage using intelligent approach, International conference on advanced computing technologies at KKN College of Engineering, Komarapalayam, 2014

18. Anjana S, **Betty P,** Reducing storage requirement with security enhancement for biometric UID system, International journal of Science , Technology and Management , Vol 4(1), 2015

19. Anjana S, **Betty P,** An elaborated view on biometric template protection, International journal for scientific research and development Vol 2(12), 2015.

Activities and honors:

Name of FDP	Date & Venue	Theme	Attended/Conducted
EMC Corp.	Nodal Centre at Sri Krishna Institute of Technology, 2017	Recognized Trainer in EMC Academic Associate, Data Science and Big Data Analytics	Completed

FDP Attended

State level

Name of FDP	Date & Venue	Theme	Attended/Conducted
Institution Sponsored FDP	10-05-2021 to 21-05-2021, Easwari Engg College- Online	International FDP on trends and challenges in machine learning and deep learning	Attended
Institution Sponsored FDP	15-03-2021 to 19-03-2021, Dr MGR Educational & Research Centre- Online	Essentials of Outcome Based Education	Attended
SRM university	26-04-2021 to 30-04-2021	Machine Learning and Deep Learning and Application Perspectives	Attended
IEEE sponsored FDP	03-07-2017 to 09-07-2017, KCT	Research Problems in simulation using advanced networking	Attended
Institution sponsored level FDP	17-07-2017 to 23-07-2017, KCT	Java Programming	Attended
Webinars Attended [Hourly Based Sessions]			
Demystifying Oral Health Care at Babaria Institute of Technology, 8th March 2021			
How digital trends are changing the role of HR? , 5th June 2021 at Dr MGR Educational & Research Institute			
Future of Work, 23rd April 2021 at Dr MGR Educational & Research Institute			
Tools used to secure your personal data analysis perspective using QTM Technologies on 6th June 2021, at Bharath University			

National level

International level

Name of FDP	Date & Venue	Theme	Attended/Conducted
Certification Course-	The University of Hong Kong	University Teaching	Completed the course

Online			
Certification Course-Online	The University of Edinburgh, Universidad ORT Uruguay	Code Yourself! An Introduction to Programming!	Completed the course
Certification Course-Online	EIT Digital	Software Architecture for the Internet of Things	Completed the course
Guinness World record event participation	GUVI Apr 24& 25 2021	Online Computer Programming-Python	Completed as participation
Certification Course-Online	Stanford University	Introduction to Mathematical Thinking	In Progress [8 weeks Completed]

Grant Received   NIL