PROFILE

1. Nameofthefaculty : Dr.J.Nafeesa Begum
2. Designation & Department : Professor and HOD/Computer Science Engineering
3. College with address : Government College of Engineering, Bargur
4. Gender : Female
5. D.O.B : 30.10.1973

6.EducationalQualifications:

NameoftheDegree	Specialization/ Branch	Yearof Passing	Nameofthe School/College	Nameofthe University	%ofMarks /Grades obtained	Class obtained
PhD	Information and Communication Engineering	2015	ANNA UNIVERSITY, Chennai -			
M.E	Computer Science and Engineering	2005	Government College of Technology, Coimbatore	ANNA UNIVERSITY, Chennai	74.1 %	First Class
B.E	Computer Science and Engineering	1995	Bharath engineering College ,Chennai (Presently Bharath University)	Madras University, Chennai	70.4 %	First Class

HSC	State Board of TamilNadu	1991	St. Theresa's Girls Higher Secondary School, Pallavaram, Chennai	Tamil Nadu State Education Board	83.3%	First Class with Distinction
SSLC	State Board of TamilNadu	1989			93.8 %	First Class with Distinction

7.Experienceasondate

Name of the College/ Industrial	Designation	Date of Joining	Date of Relieving	Experience		
				Years	Months	Days
Crescent Engineering College (Presently B.S. AbdurRahman University)	Lecturer	20.7.1995	14.04.1997	01	08	25
Priyadarshini Engineering College, Vaniyambadi	Lecturer	02.07.1997	30.11.1999	02	04	28
Crescent Engineering College (Presently B.S. AbdurRahman University)	Lecturer	15.12.1999	30.07.2001	01	07	15
Government College of Technology, Coimbatore	Lecturer	09.08.2001	02.05.2005	03	08	23
Government College of Engineering, Bargur	Lecturer	03.05.2005	31.05.2006	01	00	28
Government College of Engineering, Bargur	Assistant Professor	01.06.2006	08.08.2006	00	02	07
Government College of Engineering, Bargur	Assistant Professor [	09.08.2006	08.8.2011	5	00	00

	Senior grade]- HOD/CSE					
Government College of Engineering, Bargur	Assistant Professor [Selection grade]- HOD/CSE	09.08.2011	08.8.2014	5	00	00
Government College of Engineering, Bargur	Associate Professor- HOD/CSE	09.08.2014	08.8.2017	3	00	00
Government College of Engineering, Bargur	Professor &HOD/CSE	09.08.2017	TILL dATE	4	00	00

Publications:

S. No.	Title of paper	Name of the journal Month and year of acceptance	Publication details Vol. No., Pg. No, Month, Year	ISSN/ ISBN Number
01	Efficient Hybrid Region-Based Key Agreement Protocol for Secure Group Communication Kumar, K., **Nafeesa Begum, J**. and Dr. Sumathy, V	International Journal of Engineering Research and Industrial Applications (IJERIA), 2008.	Vol.1, No.V, pp.203–214, 2008.	(ISSN: 0974 – 1518
02	A Cost Effective Region Based Group Key Agreement Protocol for Ad Hoc Networks using Elliptic Curve Cryptography	International Journal of Cryptography and Security, 2008.	Vol.1, No.2, pp.1-14, 2008.	ISSN: 0974 – 3359

	Kumar, K., **Nafeesa Begum, J**. and Dr. Sumathy, V			
03	Multilevel Access Control Using Symmetric Polynomial Based Domain Keys **Nafeesa Begum,J,** Kumar, K &Sumathy, V	Proceedings of ICOGCAC'09 (International Conference on Global Computing and Communication) ,December 2009 , Hindustan University,Chennai.	Proceedings pp.39-34, 2009	
04	Chinese Reminder Theorem for Multilevel Access Control using Domain Key **Nafeesa Begum,J,** Kumar, K &Sumathy, V	International Conference on Business and IT Contemporary research , Institute of Management technology, Ghaziabad. Feburary 2010 Uttarpradesh - 201001.India	2010	
05	Multilevel Access Control in a Defense Messaging System Using Elliptic Curve Cryptography **Nafeesa Begum,J,** Kumar, K &Sumathy, V	The second International Conference on Computing, Communication and Networking Technologies (ICCCNT '10), July 29-31, 2010 sponsored by IEEE ComSoc, at Chettinad College of Engineering and Technology (CCET), Karur (DT), Tamil Nadu, India (Indexed in IEEE Explore).	2010	
06	Design and Implementation of	Journal of Information	vol.1, pp. 29-40 ,July 2010	**ISSN Print:** 2153-1234 **ISSN Online:** 2153-1242

	Multilevel Access Control in Synchronized Audio to Audio Steganography Using Symmetric Polynomial Scheme. **Nafeesa Begum,J,** Kumar, K &Sumathy, V	Security, 2010		
07	Multilevel Access Control in a MANET for a Defense Messaging system using Elliptic Curve Cryptography **Nafeesa Begum, J,** Kumar, K&Sumathy, V	International Journal of Computer Science & Security (IJCSS), (CSC Press, Malaysia), 30-05-2010.	vol. 4, no. 2, pp.208, 225, 2010	ISSN: 1985 – 1553
08	Design and Implementation of Multilevel Access Control in Medical Image Transmission Using Symmetric Polynomial Based Audio Steganography. **Nafeesa Begum, J,** Kumar, K &Sumathy, V	IJCSIS) International Journal of Computer Science and Information Security,	Vol. 7, No. 3, March 2010	ISSN: 1947 – 5500
09	Deploying Domain Keys for Multilevel Access Control using Elliptic curve Cryptography. **Nafeesa Begum, J,** Kumar, K&Sumathy	International Journal of Computational and Applied Mathematics (IJCAM), 2010	vol. 5 no. 2, pp. 113-127, 2010	**ISSN: 1819-4966**
10	A Novel Approach towards Cost Effective Region-Based Group Key Agreement Protocol for Ad Hoc Networks using Elliptic Curve	International Journal of Communications, Network and System Science (IJCNS),2010	Vol.3,No.4, pp.369-379, 2010.	ISSN: 1913-3715

	Cryptography. Kumar, K.,**Nafeesa Begum, J**. and Dr. Sumathy, V			
11	A Novel Approach towards Cost Effective Region-Based Group Key Agreement Protocol for Secure Group Communication. Kumar, K., **Nafeesa Begum, J.** and Dr. Sumathy, V	International Journal of Computer Science and Information Security (IJCSIS), 2010.	Vol. 8, No. 2, pp. 65 -74, 2010.	(ISSN: 1947-5500
12	A Novel Approach towards Cost Effective Region-Based Group Key Agreement Protocol for Ad Hoc Networks Using Chinese Remainder Theorem. Kumar K**, J.Nafeesa Begum**, and Dr.V.Sumathy	International Journal of Computer Science & Emerging Technologies (*IJCSET*), 2010.	Vol. 1, No. 2, pp. 72-82, 2010.	ISSN: 2044-6004
13	A Novel Approach Towards Cost Effective Region-Based Group Key Agreement Protocol for Peer -To - Peer Information Sharing in Mobile Ad Hoc Networks. Kumar K**,J.Nafeesa Begum**, and Dr.V.Sumathy	International Journal of peer-to-peer networks (IJP2P) ,2010.	Vol.1, No.1, pp.10-28, 2010.	(ISSN: 2229 - 5240
14	An Efficient Region Based Group Key Agreement Protocol using Elliptic Curve Cryptography for Ad Hoc Network. Kumar, K., **Nafeesa Begum, J.** and	International Conference on Digital Factory, ICDF 2008, August 11-13, Coimbatore, INDIA,	pg.1275 -1282, 2008.	

	Dr. Sumathy, V			
15	Domain key based fault tolerant secure and scalable web server architecture using TCP Splices **Nafeesa Begum, J,** Kumar, K&Sumathy V	International Conference on Digital Factory, ICDF 2008, August 11-13, Coimbatore, INDIA,		
16	Efficient Region-Based Group Key Agreement Protocols for Ad Hoc Networks using Elliptic Curve Cryptography. Kumar, K., **Nafeesa Begum, J.** and Dr. Sumathy, V	IEEE International Advance Computing Conference(IACC-2009), Patiala, India,	pp. 1052-1060, 2009	
17	Multilevel Access Control for Large Scale Group Communications using Domain Keys **Nafeesa Begum, J,** Kumar, K&Sumathy V	IEEE International Advance Computing Conference(IACC-2009), Patiala, India,		
18	A Novel Approach towards Cost Effective Region-Based Group Key Agreement Protocol for Ad Hoc Networks. Kumar, K., **Nafeesa Begum, J.** and Dr. Sumathy, V	IEEE First International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN2009),	pp.470 -475, 2009	ISBN: 978-0-7695-3743-6
19	A Novel Approach towards Multilevel Access Control for Secure Group Communication Using	The International Conference on Computational Intelligence and	pp. 454 -459,2010.	**ISBN:** 978-1-4244-8653-3

	Symmetric Polynomial Based Elliptic Curve Cryptography. **Nafeesa Begum, J,** Kumar, K &Sumathy, V	Communication Networks 2010, Rajiv Gandhi ProdhogikiVishwavidhyalaya, (State Technical University), Bhopal, November 26-28, 2010		
20	A Secure Unbiquitous Computing Approach for Serving Elderly Citizens. Kumar, K., **Nafeesa Begum, J.** and Dr. Sumathy, V	12 thIEEE International Conference on International Conference on Computer Modelling and Simulation (UKSIM.2010).	pp. 653 -658, 2010.	ISBN: 978-0-7695-4016-0
21	"Efficient Region-Based Key Agreement for Peer -to – Peer Information Sharing in Mobile Ad Hoc Networks. Kumar, K., **Nafeesa Begum, J**. and Dr. Sumathy, V	First International Workshop on Trust Management in P2P Systems (IWTMP2PS2010),	pp.280-295, 2010.	ISSN: 1865-0929
22	Integrating Symmetric Polynomials and Tree Based Group Elliptic Curve Diffie Hellman Scheme for providing Hierarchical Access Control In Government Organizations. Nafeesa Begum, J, Kumar, K &Sumathy, V	Global Journal of Pure and Applied Mathematics (GJPAM©),2014 Anna University Annexure II - 2014 list – Sl. No :7185)	10(5):663-684 · January 2014	0973-9750.
23	Hierarchical Access Control in Dynamic Peer Groups Using	Journal of Computer Science, March 2014, © 2014 .	0 (9): 1650-1665, 2014	ISSN: 1549-3636

	Symmetric Polynomial and Tree Based Group Elliptic Curve Diffie Hellman Scheme. Nafeesa Begum, J, Kumar, K &Sumathy, V	(Anna University Annexure II- 2013 list- Sl. No: 9901)		
24	Cost Effective Region-Based Group Key Agreement Protocol for Ad Hoc Networks Using Elliptic Curve Cryptography. Kumar, K., Nafeesa Begum, J. and Dr. Sumathy, V.	Lecture notes in Computer Science (LNCS), Vol.7135,	pp.505-514, 2011.	ISSN: 0302-9743
25	A Two Tier Protocol for Hierarchical Access Control Problem in Group Communication. Nafeesa Begum, J, Kumar, K &Sumathy, V,	WIT Transactions on Information and Communication Technologies (ISSN: 1743- 3517) vol. 60. (Anna University Annexure II- 2013 list –Sl.No: 19104). 2014 International Conference on Communication and technology and Application (CTA2014), August 19-20, 2014 Beijing, China.		978-93-80544-10-6
26	Implementing Hierarchical Access Control in Organizations using Symmetric Polynomials and Tree Based Group Diffie Hellman Scheme.	International Conference on Circuits, Systems, Communications and Computers (CSCC '14) and EUROPMENT Conference,	PP 645 to 651	ISBN: 978-1-61804-237-8

	Nafeesa Begum, J, Kumar, K &Sumathy, V	Santorini Island, Greece, July 17-21, 2014. Advances in Information Science and Applications - Volume II		
27	Symmetric Polynomial and GECDH based Hierarchical Access Control using Dual Encryption Scheme. Nafeesa Begum, J, Kumar, K &Sumathy, V	7th IETE IConRFW-2014 to held at HKBK College of Engg., Bangalore, Karnataka from 8 - 10 May 2014.	Paper No :133 in Proceeding	
28	Two tier protocol for hierarchical access control in medical image transmission. Nafeesa Begum, J, Kumar, K &Sumathy, V	2014 International Conference on Computing for Sustainable Global Development (INDIACom), Date of Conference: 5-7 March 2014 .	,pp. 769-775,2014.	Print ISBN: 978-93-80544-10-6
29	A realistic approach for the deployment of national knowledge repositories by leveraging ETL tools P. Muthukumar ; P. Suresh ; S. ShaliniPunithavathani ; J. Nafeesa Begum	International Conference on Recent Trends In Information Technology (ICRTIT), 2012 Date of Conference: 19-21 April 2012 Date Added to IEEE Xplore: 01 June 2012		ISBN Information: INSPEC Accession Number: 12769967 DOI: 10.1109/ICRTIT.2012.6206774 Publisher: IEEE Conference Location: Chennai, Tamil Nadu, India
30	Achieving Exceptional and Responsive Website Development by Leveraging Open Source Content Management System: Joomla P.Muthukumar ,	NCCCA'13 National Conference on Computers, Communication and Applications 2013 , ACCET Karaikudi		

	ThirumalaiParthiban, G.RadhakrishnanP.Suresh J.Nafeesa Begum			
31	Simulation for simultaneous localization and mapping Algorithms Nafeesa Begum, J, Thirumal P, Praveen T	NAFEMS India Regional Conference on Engineering, Analysis, Modeling and Simulation 2015	Hotel Hilton ,Chennai ,India 8 February 2015	
32	Leveraging ICT for setting up of Drug Discovery Repositories P.Muthukumar , ThirumalaiParthiban, G.RadhakrishnanP.Suresh J.Nafeesa Begum	DEPARTMENT OF BIOINFORMATICS ALAGAPPA UNIVERSITY (Reaccredited with 'A' Grade by NAAC) KARAIKUDI-630 004, TAMIL NADU, INDIA	7th National Symposium cum Workshop on "RECENT TRENDS IN STRUCTURAL BIOINFORMATICS AND COMPUTER AIDED DRUG DESIGN" (SBCADD-2015) February 24th – 27th, 2015	
33	Hierarchical Access Control in Organizations using Software Agents. Nafeesa Begum, J ,Dr.V.Sumathy , K.Kumar	International Journal of SCIENCE AND HUMANITIES	Volume 1, Number 1 : February 2015	ISSN 2394-9236. 235 – 252
34	Application of simultaneous localization and mapping technique for three dimensional reconstruction through stable MAV Platforms Nafeesa Begum, J	Compendium of SIGMA Projects 2016 DRDO, ARDB SIGMA Panel(February 2016)	Page No 112 to 115	Defense Publications
35	Performance Investigation of Dual Encryption Hierarchical Access Control	"Proceedings of the International Conference on Advances in Robotics,		`

	Protocol realized with Symmetric Polynomials and Diffie Hellman Schemes Nafeesa Begum, J ,Dr.V.Sumathy , K.Kumar,	Energy and Network Systems ICARENS 2017,9 – 10 March 2017 Department of Electronics and Communication Engineering, Government College of Engineering, Salem-11		
36	Security Analysis of DEHAC –Dual Encryption Hierarchical Access Control Protocol Nafeesa Begum, J ,K.Kumar	South Asian Journal of Engineering and Technology May 2017.	Vol 3 .No.16 , 2017	ISSN Number (online): 2454-9614
37	Optical Flow and motion estimation based on machine learning for Flame and Smoke detection NafeesaBegum.J Pavithra .K	2 nd International Conference on Technology and Advancements in computing Applications ICTACA' 19 , C.Abdul Hakeem College of Engineering and Technology, Melvisharam, Vellore District.	Held on 8.3.2019 and 9.3.2019	
38	Development of Face Recognition System on Raspberry Pi for Door Unlocking NafeesaBegum.J Ashok Kumar .P	2 nd International Conference on Technology and Advancements in computing Applications ICTACA' 19 , C.Abdul Hakeem College of Engineering and Technology, Melvisharam, Vellore District.	Held on 8.3.2019 and 9.3.2019	

39	Improved Visual SecretSharing Scheme for QR code applications using AES Algorithm NafeesaBegum.J SOWMIYA.S KALPANA.V	National Conference on Recent trends in Information Communication and Computing Technology NCRICCT 2019 conducted by Department of CSE, Kuppam Engineering College ,Kuppam , Chittoor District	Held on April 4, 2019	
40	Tamperproof Question Papers - An Application Using Cryptography and steganography NafeesaBegum.J JAMUNA.R BIRUNDHA.G	National Conference on Recent trends in Information Communication and Computing Technology NCRICCT 2019 conducted by Department of CSE, Kuppam Engineering College ,Kuppam , Chittoor District	Held on April 4, 2019	
41	Mobile Application for Collating, Feeding and Displaying News about Affairs and Events using RSS Feed NafeesaBegum.J HARIPRIYA.A RAJALAKSHMI.S	National Conference on Recent trends in Information Communication and Computing Technology NCRICCT 2019 conducted by Department of CSE, Kuppam Engineering College ,Kuppam , Chittoor District	Held on April 4, 2019	
42	CLASSIFICATION OF MELANOMA AND NEVUS USING ARTIFICIAL NEURAL NETWORK (ANN)	**6th International Conference on Electrical Energy Systems - ICEES 2020 20 - 21 February 2020, SSN**	**20 - 21 February 2020**	**Proceedings of the 6th International Conference on Electrical Energy Systems - ICEES 2020 20 - 21 February 2020, SSN**

	M.Mariyammal, G.Indirani and J.Nafeesa Begum	College of Engineering, Kalavakkam, Chennai		College of Engineering, Kalavakkam, Chennai ,Paper No.166
43	ROBUST DATA LOCALIZATION IN NOISY MULTILATERAL ENVIRONMENTS ON WIRELESS LOCAL AREA NETWORK R. Vikram, J.Nafeesa Begum and C.M.T.Karthigeyan	6th International Conference on Electrical Energy Systems - ICEES 2020 20 - 21 February 2020, SSN College of Engineering, Kalavakkam, Chennai	20 - 21 February 2020	Proceedings of the 6 th International Conference on Electrical Energy Systems - ICEES 2020 20 - 21 February 2020, SSN College of Engineering, Kalavakkam, Chennai ,Paper No.163
44	FAULTY DATA CORRECTION AND DISTRIBUTION OF DATA ON NETWORK USING BRUTE FORCE APPROACH Shandhini K, Subathra R, Nafeesa Begum J	6th International Conference on Electrical Energy Systems - ICEES 2020 20 - 21 February 2020, SSN College of Engineering, Kalavakkam, Chennai	20 - 21 February 2020	6th International Conference on Electrical Energy Systems - ICEES 2020 20 - 21 February 2020, SSN College of Engineering, Kalavakkam, Chennai ,Paper No.165
45	Coriander leaves disease detection classification using CNN NafeesaBegum,M.Priya,B.Mohanraj, D.Abdul Jaleel ,D.Ajith Kumar	IJIRCCE, Volume 9, Issue 11, November 2021.	INTERNATINAL Journal of Innovative Research in Computer and communication Engineering	Page no:14628
46	Private cloud hosting for GCEB NafeesaBegum,,D.Ajith Kumar	Proceedings of the7th international conference on adaptive technologies for sustainable growth Oct 2021 Paavai Engineering College, Namakkal Chennai	ISBN 9788195320097.	Page 499

47	"The Enhancement Of Image Quality In Visual Image Processing By Using Pixel Based Digital Filters " Nafeesa Begum J	ICTACT Journal On Image And Video Processing, August 2022, Volume: 13, Issue: 01	Doi: 10.21917/Ijivp.2022.0395	ISSN: 0976-9102 (Online)
48	" Deep Learning Based Implementation of Food Nutritional Intake Tracking System Using Convolution Neural Network Algorithm Nafeesa Begum J, Subavarsha S	**International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)** || Volume 12, Issue 3, March 2023 ||| |	DOI:10.15680/IJIRSET.2023.1203058	|e-ISSN: 2319-8753, p-ISSN: 2347-6710| www.ijirset.com |
49	An Automated Expense Tracking Application With Multi-Linguistic Features Using Tesseract OCR And Machine Learning: An Ensemble Approach Nafeesa Begum J, Chandru D	International Journal of Multidisciplinary Educational Research (IJMER) Volume:13, Issue:3(1), March: 2024	DOI: http://ijmer.in.doi./2024/13.3.06	ISSN:2277-7881
50	" ROWCOLUMNPRUNE: AN Efficient Compression of Large Language Models Through Row and Column Deletion " Nafeesa Begum J, Kumar K, Selvi S, Sekar M	ISTE Sponsored 10 th International Conference on Latest trends in Science , Engineering and Technology (ICLTSET 24)organized by Karpagam Institute of Technology, Coimbatore		ISBN 9789362288974
51	An Automated Daily News Reports Generating Application Involving Keyword-Based News Scraping, Summarization, and Sentimental Analysis Leveraging NLP Models Nafeesa Begum J, Chandru D	International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 12 Issue XI Nov 2024	DOI: https://doi.org/10.22214/ijraset.2024.65443	ISSN: 2321-9653

NPTEL Certifications:

Name	Course Name	Performance
Jul-Sep 2019	Introduction to Machine Learning- 8 weeks – 2 credits	Pass
Jan-Apr 2019	Introduction to Automata, Languages and Computation-12 weeks -3 credits	Elite
Aug-Sep 2018	Outcome based pedagogic principles for effective teaching- 4 weeks – 1 credit	Pass
Jul-Sep 2017	Developing Soft Skills and Personality – 8 weeks-2 credits	Elite

Books:

1. " Hierarchical Access Control" , Dr.J.Nafeesa begum, Lambert Academic Publishing,   ISBN 9786203864151, June 2021.

Special Achievements:

 Completed Mentor Training programme for NITTTR for eight module induction program.

Additional Portfolio:

1. Officer Incharge of AICTE/ANNAUNIVERSITY Affiliations
2. Finance Nodal Officer for TEQIP-III in GCE,Bargur – TEQIP-II and TEQIP-III
3. Vice Principal from1.2.2021 to 31.10.2022
4. Principal FAC from October 27,2023

DETAILS OF FUNDING RECEIVED FROM EXTERNAL AGENCIES

External Funding Received:

S. No	AGENCY NAME	Name of the Programme	Date	Amount
1	**Anna University**	FDP on Design and Analysis of Algorithms	January 2013	Rs. 69,395
2	**AICTE**	For conducting Two Week FDP to be conducted on Recent trends and research issues in Wireless Networks	20th May to June 1st, 2013	Rs. 4,87,000
3	**AICTE**	Seminar on Role of Parallel Computing in Future	September 20th, 2013	Rs. 1,00,000
4	**Anna University**	FDP on Design and Analysis of Algorithms	6th January to 12th January 014	Rs. 85,000

5	BRNS	National Seminar on Research Challenges in Neural Networks and Fuzzy Logic	2 nd and 03 rd, April 2016	Rs. 50,000
6	DRDO	Research Project Grant for the project **"Application of simultaneous localization and mapping technique for three dimensional reconstruction through MAV Platforms"**	May 2014 to Dec 2016 [Completed]	Rs. 13,23,000
7	UGC	Student Workshop on "Digital Forensic Tools to Prevent Cyber Attacks"	April 26th 2017	Rs. 85,000
8	**Anna University**	FDP on Mobile Computing	22.11.2017 to 28.11.2017	Rs. 75,000
9	**AICTE UBA**	Development of nearby Villages around GCE Bargur	2019-2021	Rs. 4,10.000`
10	**TNSCST**	Capacity buiding for industrial needs		150000