BIODATA

1. NAME: : Dr.P.Punitha Ponmalar

2. QUALIFICATION   : M.Sc.,M.Phil.,Ph.D.,

3. DESIGNATION &DEPARTMENT   :   Associate Professor in Comp.Science
                                        Sri Meenakshi Govt. Arts College for
                                        Women(A), Madurai – 2.

4. AGE & DATE OF BIRTH   : 49 Yrs. 17.7.73

5. SEX   : Female

6. PERMANENT ADDRESS WITH PH.NO   : 7/454 A , Venkatraman Nagar,
                                        III Cross street, Nagamalai, Madurai-19
                                        Mob: 9942470099

7. ADDRESS FOR COMMUNICATION   : 7/454 A , Venkatraman Nagar,
                                        III Cross street, Nagamalai, Madurai-19

8. EDUCATIONAL QUALIFICATION:

S.NO	COURSES	SUBJECT	YEAR OF COMPLETION	INSTITUION
1.	Ph.D.	Computer Science	2016	Madurai Kamaraj University Madurai.
2.	M.Phil.	Computer science	2000	Mother Teresa Univesity, Kodaikanal.
3.	M.Sc.	Computer Science	1996	Alagappa University, Karaikudi.
4.	B.Sc.	Computer Science	1993	AA Govt Arts College Walajapet
5.	SLET	Computer Science	1998	Bharathidasan University, Trichy.

9. Research Work /Experience **:**
- Completed Ph.D in Computer Sciecne, Madurai Kamaraj University, on the Topic " **A study on improving Quality of service issues in Wireless Sensor Networks"**
- Guiding M.Phil Scholars and M.Sc students

10. Recognized Research guide : Yes.

11. Area of Specialization : Sensor Networks, Internet of Things

12. TEACHING EXPERIENCE:

S.NO	DESIGNATION	PLACE	DURATION	NO.OF YEARS
1.	Lecturer in Comp.Sc	Prince Shri Venkateswara Arts and Science College	1996-1998	2
2.	Lecturer in Comp.Sc	SRM Arts And Science College	1998-2000	2
3.	Lecturer in Comp.Sc	Govt Arts College For Women, Sivaganga	2000-2002	2
4.	Asso.Prof in Comp.Sc	Sri Meenakshi Govt College For Women	2002-Till Date	21
Total Teaching Experience				27

13. **ORIENTATION /REFRESHER COURSES/OTHER PROGRAMMES & TRAINING:**

S.NO	NAME OF THE COURSE	TOPIC	PLACE	PERIOD
1.	Orientation Course	Educational Technology	M.K.University, Madurai.	May 2001
2.	Refresher Course	Web Technology	SRM Deemed University	21.11.05-10.12.05
3.	QIP	Grid Computing	Anna University	3-2-08 – 15-3-08
4.	Refresher Course	Recent Trends in advanced	M.K.University, Madurai.	3.12.09-23.12.09

		computing		
5.	Refresher Course	Recent Trends in computing	M.K.University Madurai.	3.12.11 – 23.12.11
6.	FDP	Python Programming	Lady Doak College,Madurai	26.8.19-30.8.19
7.	FDP	Design, Develop and deliver online courses through MOODLE platform	TANSCHE	29.5.20-30.5.20
8.	FDP	Neural Networks and Deep Learning using Python	REVA University, Bengaluru	1.6.20-5.6.20
9.	FDP	All that you want to know about internet of things	Mohammed Sathak hamid college, Ramanathapuram	24.6.20-26.6.20
10.	FDP	Inclusive procedures and Processes in Accreditation and Assessment by NAAC	St.Joseph College, Tirchy	30.6.20-4.7.20
11.	FDP	Online tools for teaching and learning	M.V.M College, Dindigul	7.7.20-13.7.20
12.	AICTE Short term Training Programme	Internet of Things, Big data cloud	CMR Institute of Technology, Bengaluru	21.9.20-26.9.20
13.	AICTE FDP	IOT/IOE	Chandigarh University, Mohali	26.7.21-30.7.21
14.	IEEE, ACM	Recent Trends in cyber security& Blockchain	Oriental Institute of Science &Technology, Bhopal	28.6.22-02.7.22
15.	FDP	Unleashing Emerging Research Trends and Advancements in Computer Science	VIT-AP	4.7.22-14.7.22

14. INTERNATIONAL CONFERENCES:

S. No	CONFERENCE	TITLE	PLACE	PERIOD
1.	International Conference	A Study on Autonomic Data fusion in Wireless Sensor Networks, International Conference on Emerging Trends in Computing	Sri Ramakrishna Engineering College, Coimbatore, pp 36-41. 17 -18	March 2011
2.	International Conference	Swarm Intelligence based Secured Data Aggregation in Wireless Sensor Networks	Park College of Engineering and Technology, Coimbatore	Dec 2014
3.	International Conference	Energy Efficient Data Aggregation based health care in Wireless Sensor networks	Sethu Institute of Technology, Virudhunagar,	2015
4.	International Conference	Swarm Intelligence based Data Aggregation for Intruder Detection in Wireless Sensor Networks	**Springer International Publishing**.	2015.
5.	International Conference	Internet Of Things (IOT) Enabled Smart Autonomous Hospital Management System – A Real World Health Care Use Case with the Technology Drivers	IEEE International Conference on Computational Intelligence and Computing Research	2015
6.	International Conference on Innovations in computer science and Technology	A review of Big Data Clustering Information Retrieval in Health Informatics	Alagappa University, Karaikudi.	Apr 6th-7th 2016
7.	International Conference on Challenges and Opportunities on Life Sciences	IoT BASED INTELLIGENT HABITAT MONITORING"	Sri Meenakshi Govt. Arts College for Women, Madurai	Apr 6th -7th 2016
8.	International Conference	Agent Based Internet of Things IoT in smart Health Care	KMO'16 Proceedings of the 11th International Knowledge Management in Organizations conference on The changing	2016

S.No				face of Knowledge Management Impacting Society Fern Universitat in Hagen, Germany	
9.	International conference	Domain independent smart agent based semantic web of things	Madurai Kamaraj University	March 2018
10	International Conference	Machine Learning – Algorithms and Implementation Approaches: Tutorial Session	Madurai Kamaraj University and University of Maribor, Slovenia.	March 1& 2, 2018
11	International Seminar	BIG DATA ANALYTICS	Madurai Kamaraj University	21.2.19
12	Conference	Artificial Intelligence and the Future of IT in Machine Learning Age	Sri Meenakshi Govt. Arts College for Women(A), Madurai.	01st April 2019
13	Conference	Aggregation in IOT for prediction of diabetics with machine learning techniques	Vaigai College of Engineering	Dec 19-20, 2019
14	Conference	Review on the Used Car Price Prediction using Machine Learning Techniques	CARE College of Engineering	Dec 9=10, 2021
15	Conference	Machine Learning Techniques To Forecast Child Learning Disability: A Review	JAMIA HAMDARD (New Delhi)	March 24-25,2022

15. INTERNATIONAL JOURNAL

S. No	Conference	Title	Place	Period
1.	International Journal	A Survey on data aggregation techniques in wireless sensor	International Journal of Research and Reviews in Wireless Sensor Networks (IJRRWSN)	Sept 2011

		networks"		
2.	International Journal	A Secured Fault Tolerant Based Data Aggregation in Wireless Sensor Networks	International Journal of Applied Engineering Research, ISSN 0973-4562	2014
3.	International Journal	Energy Efficient Data Aggregation based Smart Logistics in Wireless Sensor Networks	International journal of Advance Research in Computer Science and management Studies	March 2015
4.	International Journal	Energy Efficient Data Aggregation based health Care in Wireless Sensor Networks	International Journal of Applied Engineering Research	2015
5.	International Journal	A review of Big Data Clustering Information Retrieval in Health Informatics	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)	Vol. 3, Special Issue 20, April 2016 . ISSN 2394-3777 (Print) ISSN 2394-3785 (Online)
6.	International Journal	Agent Based Internet of Things IoT in smart Health Care	ACM Article No.41	2016.
7.	International journal	BIG DATA: Big challenges and opportunities	IAETSD Journal for advanced research in applied sciences ISSN No 2394-8442	March 2018
8.	International journal	Aggregation in IOT for prediction of diabetics with machine learning techniques	Springer ,2019	2019
9.	International journal	Review on the Used Car Price Prediction using Machine Learning Techniques	Springer,2021	2021
10	International journal	IoT Based Air Pollution Monitoring System with Machine Learning Techniques	IJSREM,2022	May 5,2022

16. NATIONAL PUBLICATIONS:

S. No	Conference	Title	Place	Period
1.	National Level Seminar	Mobile Agents	KSR College, Thiruchengode	6.8..05
2.	National Level Seminar	Mobile Computing	E.M.G. Yadava College,madurai	22.12.05
3.	National Conference	Comparative Study Of Security Protocols In Wireless Network	Fatima College, Madurai	15.2.08
4.	National Level	Research Tools and Techniques in Computer Applications	UGC Sponsored One Day Workshop – Organized by Department of Computer Science, Sri Meenakshi Govt. Arts College, Madurai	14.2.2013

17. STATE LEVEL PUBLICATIONS:

S. No	Conference	Title	Place	Period
1.	Seminar	Recent Trends In Comp.Sc	M.K.University	27.1.06
2.	Seminar	Computer Hardware And Networking	M.T.N.C College Pasumalai	6.2.06
3.	State Level Seminar	Mobile Computing	Lady Doak College Madurai	31.8.07
4.	UGC State Level Seminar	Recent Trends In IT	SVN College, Madurai.	25.9.08-26.9.08
5.	Training	J2EE Practices	Mk.University Madurai	28.8.09
6.	State Level Workshop	Recent Trends in Machine Learning	Lady Doak College,Madurai	28.9.18
7.	State Level	Applied Data Mining Techniques	Sri Meenakshi Govt. Arts College, Madurai	20.1.15
8.	Seminar	Best Practices of IQAC – Towards Better Achievements at NIRF and NAAC	SVN College	19.3.19

18. **CHAIR PERSON FOR INTERNATIONAL/NATIONAL.STATE LEVEL CONFERENCES:**

S. No	Conference	Title	Place
1,	**International Conference**	Chaired the paper presentation technical session	**International Conference on Big data Analytics and Intelligence Technologies (ICBAIT-2018)** Jointly Organized by Department of Computer Science, Madurai Kamaraj University and University of Maribor, Slovenia.

19. Books Published

S.No	Title	PUBLISHER NAME	ISBN/ YEAR
1.	Book chapter	Block Chain Based Security And Privacy In Smart City IoT: Distributed Transaction Book Title: Handbook of Research on implementation and deployment of IOT projects in smart cities	IGI-global -2019 DOI: 10.4018/978-1-5225-9199-3.ch009

20. TECHNICAL TALKS DELIVERED:

S. No	Resource Person	Title	Place
1.	Technical Talk	Internet of Things	Sivakasi meenakshi pioneer college, Poovanthi
2.	Technical Talk	Internet of Things	Fatima college

21. SEMINAR/ SYMPOSIA / WORKSHOP ATTENTED:

S N0	NAME &	TITLE	PLACE	PERIOD

	LEVELOF THE PROGRAMME			
1.	Workshop	Internet & MS Office for Govt. School Children	Sri Meenakshi Government College for Women, Madurai	2007
2.	Workshop	Internet & MS Office for Govt Officials(Asst. Educational officers and Head Masters)	Sri Meenakshi Government College for Women, Madurai	2008
3.	National Level	National level UGC Sponsored Seminar on ” Research issues in Computer Applications”	Sri Meenakshi Government College for Women, Madurai	8[th]January 2011
4.	State Level Workshop	Spatial Data Analysis and Mapping using GIS	Sri Meenakshi Govt. Arts College for Women, Madurai	Jan 28, 29 2011
5.	National Level Workshop	Research Tools and Techniques in Computer Applications	Sri Meenakshi Govt. Arts College for Women, Madurai	14.2.13
6.	International Level	International colloquium on research quality publication	Mother Teresa Women's University, Kodaikanal	Aug 6 ,7 2014
7.	Workshop	Internet & MS Office for Ponmudiar School Students	Sri Meenakshi Government College for Women, Madurai	2014
8.	National Seminar	Recent Developments in Space Technology and Astrophysics	Sri Meenakshi Govt. Arts College for	5.1.15

			Women, Madurai	
9.	Workshop	C,Weka,Matlab	Sri Meenakshi Government College for Women, Madurai	Mar 2016
10	Workshop	Research Methodology in Computer Science & Information Technology	Madurai Kamaraj University, Madurai.	Dec 16. 2016
11	Workshop	Soft Skills and Industry awareness	TANSCHE	30.1.18-31.1.18
12	Workshop	Research Trends in Machine Learning	Lady Doak College, Madurai	28.9.18
13	Workshop	ICT enablement in Higher Education for improving and streamlining process	MASTER SOFT ERP solutions	3.5.2019
14	National level seminar	Recent advances in chemistry	SMGAC	22.1.20
15	National workshop	Gandhian Philosophy and its relevance today	SMGAC	23.1.20
16	Workshop	Data analysis and visualization dataset using Python	Jerusalem College of Engineering	7.5.20
17	Workshop	Machine Learning Algorithms, application and Trends	Shusan Jain College, Chennai	10.5.20
18	Workshop	Data Visualization Using R	Lady Doak College, Madurai	15.5.20-16.5.20
19	Workshop	Social intelligence in classrooms	SMGAC	22.5.20
20	Workshop	Health Management and healthy environment	SMGAC	13.6.20
21	National level Workshop	Administering Google Forms and its Add-ons for Online Academic Programmes	M.V.M college, Dindigul	29.6.20-30.6.20
22	Workshop	Free online tools for Research	SMGAC	29.7.20

22. **SEMINAR/ SYMPOSIA / WORKSHOP CONDUCTED:**

S N0	NAME & LEVELOF THE PROGRAMME	TITLE	PLACE	PERIOD
1.	Motivational Seminar As IQAC organizing member	Vetri Mugam Malarattum	IQAC, Sri Meenakshi Govt Arts College for Women (A), Madurai.	17.09.2018
2.	State Level Exhibition as IQAC organizing member	College Connect with Society	IQAC, Sri Meenakshi Govt Arts College for Women (A), Madurai.	4.10.18 & 5.10.18
3.	Awareness Programme As IQAC organizing member	Udalae Maruthuvar and Unavae Marandhu	IQAC, Sri Meenakshi Govt Arts College for Women (A), Madurai.	22.01.19
4.	QIP as IQAC organizing member	ICT Enabled Training on Teaching and Learning Tools	IQAC, Sri Meenakshi Govt Arts College for Women (A), Madurai.	12.01.19
5.	Orientation as IQAC organizing member	Twenty First Century Teachers Trait	IQAC, Sri Meenakshi Govt Arts College for Women (A), Madurai	2.2.19
6.	Orientation Training as IQAC organizing member	Unlock Your Potential	IQAC, Sri Meenakshi Govt Arts College for Women (A), Madurai	2.2.19
7.	State Level Seminar Acted as organizing member	Opportunities and Challenges in the Emerging Spaces in the Higher Education .	IQAC Sri Meenakshi Govt Arts College for Women (A), Madurai	4.9.19
8.	Intercollegiate level workshop as	Enrich your creativity using	Sri Meenakshi Government College for	3.9.19 &4.9.19

	Coordinator	Multimedia	Women, Madurai	
9.	National level seminar	Digital enhancement in E-content and E-learning	Sri Meenakshi Government College for Women, Madurai	5.3.2020
10	National level workshop	E-content	Sri Meenakshi Government College for Women, Madurai	5.3.2020
11	FDP	Digital Age Transformation	Sri Meenakshi Government College for Women, Madurai	5.6.20-6.6.20
12	FDP	Non Mudhalvan Course- Cloud computing Fundamentals	MKU	2023
13	FDP	NIRF Registration Process	MKU	OCT 2023

23. **GUIDANCE FOR M.Phil :**

S.NO	NAME OF THE STUDENT	M.Phil	UNIVERSITY	YEAR
1.	M.Sharmila Banu	Grid Monitoring	Algappa University	July 2007
2.	N.Veeramani	Study On Security Protocols	M.K. Univeristy	Dec 2007
3.	J.Jeyanthi malar	Spatial K-Means Clustering Algortithm	M.K. Univeristy	2008
4.	J.Rathinaganapathy	Study on content based image retrieval system	M.K.University	2007
5.	K.Suganthi	Integrated Multimedia mining using multirelational assoc iation	M.K. Univeristy	2007

24. **OTHER RESPONSIBIITIES HOLD IN SERVICE (CURRENT/ PREVIOUS):**

S.NO	NAME OF THE SERVICE/COMMITTEE	PLACE	PERIOD
1.	MCA Lab Incharge	SMGC	2005
2.	Electronics Lab Incharge	SMGC	2002-2007

3.	NCC Caretaker	SMGC	2006-2007
4.	UG Library Incharge	SMGAC	2008
5.	Discipline Committee Member	SMGAC	2008-Till Date
6.	Member in Digital Library	SMGAC	2010
7.	Member in Net Committee	SMGAC	2010
8.	CLP Committee	SMGC	2014-2017
9.	Techblog	SMGC	2007-2009
10.	Extension Activity	SMGC	2009-2010
11.	Digital Library Committee	SMGAC	2010
12.	PG Lab System Incharge UG Lab System Incharge	SMGAC	2010-2013 2012-2020
13.	NAAC Committee	SMGAC	2014
14.	Admission Committee Co-ordinator	SMGAC	2017-18
15.	Admission co-ordinator	SMGAC	2018-19
16.	Website designing incharge	SMGAC	2018-till date
17.	NIRF Co-ordinator	SMGAC	2020-till date
18.	Alumnae form Design	SMGAC	2020
19.	Website updating and Maintenance	SMGAC	2018-till date
20.	Feedback form designing	SMGAC	2018-till date
21.	Valuation Co-ordinator	SMGAC	2020-2021
22.	Chief Superintendent	SMGAC	2022
23.	Admission Incharge	SMGAC	2021-23

25. **OTHER RESPONSIBILITIES HOLD IN OTHER INSTITUTIONS:**

S.NO	NAME OF THE SERVICES/COMMITEE	PLACE	PERIOD
1.	Examination Board	MKU,MTU,Bharathiyar University, Bharathidasan University,Madura College, Fatima College,SVN College, The American College, VVV College, Chandrasekara University,Yadhava College	1998 – Tilldate
2.	Board Of Studies	Fatima College,VVV college	2015
3.	Resource Person for SLET/ NET Coaching Class	Maya Acadamy, Madurai.	2011-2012
4.	Presiding Officer	Election Commission	2007,2021
5.	Resource person	Meenakshi Pioneer college, Fatima College , SVN College	2018
6.	Board Member of the Selection Committee	Government Arts and Science College. Oddanchatram, Dindigul District	25-2-2-23

7.	Inspection Committee Member	MKU	2023-24
8.	Subject Expert for CAS	Govt Arts College, Nilakottai	31-3-23
9.	BOS Member	MKU	2023

26. AWARDS/MEDALS RECEIVED: Best Paper Award

SNO	ACADEMIC YEAR	CONFERENCE		Attended/ Presented	Journal		Attended/ Presented	Refresher/Orientation	Project	Resource person
		National	International		National	International				
1.	2001	-	-	-	-	-	-	Orientation Course	-	-
2.	2005	-		-	2	-	P	Refresher course	-	-
3.	2006	-	-	-	1	-	A	QIP	-	-
4.	2008	-	-	-	1	-	P	-	-	-
4.	2009	-	-	-	-	-	-	Refresher course		-
5.	2011	1	1	P	1	-	P	Refresher course		-
6.	2013	-	-	-	1	-	A	Refresher course		-
7.	2014	1	1	P	-	-	-	-	-	-
8.	2015	3	2	P	-	-	-	-	-	-
9.	2016	3	2	P	-	-	-	-	-	-
10.	2018	2	1	P	-	-	-	-	-	1
11.	2019	3	-	A	-	-	-	FDP	-	1
12.	2020	3	1	P	-	1	P	-	-	1
13.	2021									