

S.T.HINDU COLLEGE

NAGERCOIL

FACULTY PROFILE

1.	Name (in Block Letters)	: Dr.K.PAZHANIKUMAR
2.	Date of Birth	: Mr.E.Kolappan Pillai
3.	Gender	: Male
4.	Marital status	: Married
5.	Nationality	: Indian
6.	Religion	: Hindu
7.	Community (Mention SC/ST/MBC/BC/OC)	: OC
8.	Date of Joining the Post	: 18.06.2014
9.	Name of the Post	: Assistant Professor
10.	Department	: Computer Science
11.	Present Designation	: Assistant Professor & Head
12.	Address for correspondence (with pin code)	: 7-23 B North Street, Navalkadu Esanthimangalam PO KK Dist Tamil Nadu-629852
13.	Permanent Address (with Pin code)	: 7-23 B North Street, Navalkadu Esanthimangalam PO KK Dist Tamil Nadu-629852
14.	Telephone / Mobile Number	: 94869 55525,9344618391
15.	Email	: skpk73@gmail.com,kpk_73@yahoo.co.in

16. Educational Qualification

Degree	Title of Degree	Specialization	Name of University	Year of Passing	Division / Grade
Graduation	B.Sc	Mathematics	Manonmaniam Sundaranar	1993	First
Post Graduation	MCA	Computer Applications	Madurai Kamaraj	1996	First
M.Phil.		Computer Science	Manonmaniam Sundaranar	2004	First
Ph.D.		Computer Applications	Manonmaniam Sundaranar	2019	
NET/SLET	SLET-October 2012				

17. Details of Research

Ph.D.Degree (Mention Discipline)	Computer Applications	University	Manonmaniam Sundaranar
Date of Viva-Voce	30.08.2019	Date of Award of Degree	30.08.2019
Title of the Thesis	An Efficient Data Mining Association Rules for Medical Crisis		
Specialization	Data Mining		
Whether completed Ph.D under JRF : YES / No No If Yes, Subject :			
Month & Year of Passing : August 2019		Stream:	Part-Time

18. Details of Teaching Experience

a. Prior to Joining this Institution

Name of the School/ College /University/ Institution	Subject	Status (Permanent/ Adhoc)	Designation	Period		Total Experience in Years and Months
				From	To	
S.T.Hindu College(SS)	Computer Science	Permanent	Assistant Professor	07.10.1996	17.06.2014	17 Years 8 Months

b. In this Institution

Sno	Designation	Period		Experience in Years and Months
		From	To	
1	Assistant Professor	18.06.2014	Till Now...	11 Years 3 Months
2	Head	18.06.2024	Till Now	2 Years 3 Months

19. DETAILS OF COURSE PARTICIPATION

a) Orientation Course/Refresher Course/ Research MethodologyWorkshop/ Workshops / Soft Skill Development /Teaching-Learning-Evaluation&Technology Programmes/Faculty Development Programme / SWAYAM., etc.,

S.No	Name of the Course	University/Institution Place	Course Duration		Sponsoring Agency (UGC/Gol)any other)
			From	To	
1	State Level Workshop	MUCEA & TACTA Madurai	28.02.2009	28.02.2009	
2	Orientation Programme	IGNOU Regional Centre, Chennai	20.11.1999	20.11.1999	--
3	Orientation Programme	Kerala University, Trivandrum	05.06.2002	02.07.2002	UGC
4	State Level Seminar	S.T.Hindu College, Nagercoil	11.03.2005	12.03.2005	NAAC
5	Seminar	M.K.University, Madurai	27.01.2006	27.01.2006	
6	State Level Workshop	St.Xavier's College, Tirunelveli	26.02.2007	26.02.2007	
7	Seminar	S.T.Hindu College, Nagercoil.	13.03.2009	13.03.2009	
8	FDP	College of Computer Applications and Management, Sree Venkateswara,Coimbatore	19.07.2008	20.07.2008	

9	National Conference	S.T.Hindu College, Nagercoil	25.09.2008	26.09.2008	UGC
10	QIP	B.S.A Crescent Engineering College, Chennai	18.05.2009	31.05.2009	AICTE
11	International Conference	VVCE, Tiruchencode	09.02.2010	10.02.2010	
12	Seminar	IETE, Trivandrum	27.02.2010	27.02.2010	
13	Skill Based Training Programme	ICT Academy of TamilNadu in association with CTS & TCS held at M.S University, Tirunelveli	26.03.2010	27.03.2010	
14	International Conference	NI University, Kumaracoil	08.04.2010	09.04.2010	ISRO
15	State Level Conference	M.S University, Tirunelveli	21.05.2010	23.05.2010	
16	Sixth All India Conference of KAAS	S.T.Hindu College, Nagercoil	10.09.2010	11.09.2010	
17	National Conference	M.S.University, Tirunelveli	07.10.2010	08.10.2020	
18	Seminar	IETE, Trivandrum	22.01.2011	22.01.2011	
19	National Seminar	S.T.Hindu College, Nagercoil	31.03.2012	31.03.2012	
20	International Conference	IEEE, Kanyakumari	06.04.2012	08.04.2012	
21	National Conference	S.T.Hindu College, Nagercoil	05.10.2012	06.10.2012	UGC
22	National Level Workshop	S.T.Hindu College, Nagercoil	22.02.2013	23.02.2013	
23	Seminar	S.T.Hindu College, Nagercoil	12.09.2013	12.09.2013	
24	Special Training Programme	IGNOU, Trivandrum	19.10.2013	19.10.2013	

25	28 th Indian Conference Congress	IE, Chennai	20.12.2013	22.12.2013	
26	Doctoral Colloquium	S.T.Hindu College, Nagercoil	08.02.2014	08.02.2014	
27	State Level Seminar	S.T.Hindu College, Nagercoil	21.02.2014	21.02.2014	
28	Workshop	S.T.Hindu College, Nagercoil	12.04.2014	12.04.2014	
29	Orientation Programme	S.T.Hindu College, Nagercoil	16.10.2014	16.10.2014	
30	Workshop	S.T.Hindu College, Nagercoil	09.10.2015	10.10.2015	
31	Orientation Programme	University of Madras, Chennai	12.11.2015	09.12.2015	UGC
32	International Seminar	S.T.Hindu College, Nagercoil	28.12.2015	28.12.2015	
33	Orientation Programme	IGNOU, Kochi	18.11.2016	19.11.2016	
34	MUTA XXIV General Conference	MUTA, Nagercoil	22.09.2018	23.09.2018	
35	Refresher Course	University of Madras, Chennai	09.11.2018	29.11.2018	UGC
36	International Industry Academia Conference-2019	Riyasaa, Nagercoil	22.03.2019	23.03.2019	
37	NSS Orientation Programme	ETI, Avinashalingam Institute	13.11.2019	19.11.2019	
38	Programming in Java - Topper	IIT Kharagpur	January 2021	April 2021	SWAYAM - NPTEL
39	Refresher Course	Teaching Learning Centre, Ramanujan College, University of Delhi	02.06.2021	16.06.2021	UGC

40	Refresher Course	Madurai Kamaraj University, Madurai	10.11.2021	23.11.2021	UGC
41	NSS Orientation Programme	M S University Tirunelveli	31.01.2023		NSS Orientation Programme
42	FDP	M S University Tirunelveli	16/12/2024	21/12/2024	TNSDC NAAN MUDHALVAN PROGRAMME
43	Workshop	IIT Madras	05.07.2025	---	NPTEL IIT Madras
*Add more rows if necessary					

Attach copies of certificates – Annexure- 1

b) CONTRIBUTION TOWARDS THE DEVELOPMENT OF E-CONTENT/MOOCs

Name of the Course	Subject	University/Institution Place	Sponsoring Agency (UGC/Gol)any other)	Contribution (Developed/ Conducted)	No. of modules/ course prepared
Java Programming	Computer Science	S.T.Hindu College	—	Developed	10

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20. Involvement of Faculty in

a. Administrative responsibilities such as Head, Chairperson/ Dean/Director/ Co-ordinator,Dy Warden etc.

Sl. No.	Detail of Activities (Name/Place etc.)	Level (Campus/ University/ National/ International)	Role	From	To	Name of the Campus/ University Institution/ Organization
1.	TamilNadu Engineering Admission-2019	State	Co-coordinator	2019	Till Now	TFC-38 (51) S.T.Hindu College Nagercoil
2.	National Youth Festival 2021	National	District Nodal Officer K.K District	December 2020	January 2021	Government of India Ministry of Youth Affairs & Sports Regional Directorate of NSS Chennai
3.	National Youth Parliament 2021	National	District Nodal Officer K.K District	December 2020	January 2021	Government of India Ministry of Youth Affairs & Sports

						Regional Directorate of NSS Chennai
4	COVID Warriors	National	District Nodal Officer K.K District	April 2020	August 2020	Regional Directorate of NSS Chennai
5	Board Of Studies-PG Computer Science	University	Chairman	2012	2015	Manonmanim Sundaranar University
6	Board Of Studies-UG Computer Science	University	Member	2012	2015	Manonmanim Sundaranar University
7	Board Of Studies-MPhil Computer Science	University	Member	2012	2015	Manonmanim Sundaranar University
8	Web Site	College	Web Administrator	2020	Till Now	S.T.Hindu College
9	NAAC	College	Member-Working Committee	2020	2023	S.T.Hindu College
10	Selection of Best Youth Club Award	District	Member-Selection Committee	December 16 2021	-	NYK Kanniyakumari
11	Recruitment of Faculty	College	Member-Selection Committee	July 19 2022	-	St Alphonsa College of Arts and Science
12	NPTEL Local Chapter	College	SPOC	2023	Till Now	S.T.Hindu College
13	Recruitment of Faculty	College	Member-Selection Committee	June 06 2022	-	St Alphonsa College of Arts and Science
14	IQAC	College	Coordinator	June 2023	Till Now	S.T.Hindu College
15	IRINS	College	Nodel Officer	2024	Till Now	S.T.Hindu College
16	Board of Studies in Computer Applications	College	Member	2024	Till Now	ARUL ANANDAR COLLEGE Karumathur - 625 SI4. Madurai-Dt.
17	Board of Studies in Computer Science	College	Member	2023	Till Now	Holy Cross College, Nagercoil.

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b) Student Related Activities

(Field based activities such as student clubs, career counseling, study visits, students seminars and other events, cultural, sports NCC, NSS, Inter Campus Youth Festival etc.)

Sl. No.	Detail of Activities (Name/Place etc.)	Level (Campus/ University/ National/ International)	Role	From	To	Name of the Campus/ University Institution/ Organization
1	NSS	University	Programme Officer	June 2019	Till Now	Unit No :102 S.T.Hindu College
2	NSS	University	Programme Officer	June 2008	May 2010	Unit No 112 S.T.Hindu College(SS)

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21. ACADEMIC ACTIVITIES (as on 20-09-2025)**a. Organizing seminars/ conferences/ workshops, other college/university activities**

Sl. No.	Name of the Program	Title of the Program	Period	Role	Funding Agency
1	National Webinar	Recent Research Trends in Image and Video Processing	May 15 th 2020	Organizing Secretary	--
2	International Webinar	Recent Research Trends in Data Science	May 28 th 2020	Organizing Secretary	--
3	Workshop at St.Xavier's College of Engineering	PHP Programming	March 19 th 2004	Resource Person	--
4	Seminar at NMC College	Recent Trends in Programming Language	February 7 th 2013	Resource Person	--
5	Guest Lecture at P.K.C	Web Technology	April 4 th 2014	Resource Person	--
6	Interview at All India Radio	Super Computers	September 15 th 2015	Resource Person	--
7	Interview at All India Radio	Kalvi Mempatil Thagaval Thozhil Nutpam	September 25 th 2016	Resource Person	--
8	One Day Training Programme at Malankara Catholic College	JAVA Full Stack Development	06..04.2022	Resource Person	--

9	Training Programme	TNEA Counseling	04.08.2022	TFC-51 Coordinator	DOTe
10	Online Conference at S.T.Hindu College of Education	Applications of AI and AR in Teaching Learning Process	08.02.2023	Resource Person	-
11	Student Awareness Programme at Aringar Anna College	Recent Trends in IT	22.02.2023	Resource Person	--
12	National Level Technical Symposium At Scoot Christian College	Paper Presentation	24.02.2023	Judge	--
13	Training Programme	TNEA Counseling	25.07.2023	TFC-51 Coordinator	DOTe
14	Question Paper Setting		2024	Question Paper Setter	J.K.K. Nataraja College of Arts and Science (Autonomous), Komarapalayam.
15	Five Days Inservice Training Programme	Inservice Training to Science Teachers	20.01.2025 to 24.01.2025	Coordinator	TNSCST Chennai
16	INTERNATIONAL CONFERENCE	ICRACCCT 24	06.09.2024	Technical Session Chair	NOORUL ISLAM COLLEGE OF ARTS & SCIENCE Kurmaracoi, Thuckalzay, Kayzkumarí Dist.
Add More rows if necessary					

Attach copies of certificates -Annexure -5

22. Research Activities (as on 20-01-2021)

a) Details of Research Guidance (Ph.D)

i) Under Guidance 4

No. of scholars completed	No. of Scholars submitted their thesis	No. of Scholars currently under guidance	Total
1	NIL	3	4

ii) Under Co-Guidance NIL

No. of scholars completed	No. of Scholars submitted their thesis	No. of Scholars currently under guidance	Total
NIL	NIL	NIL	NIL

Attach details in the following format

Annexure -6A: Under Direct Guidance

Sl. No.	Student Name with Reg.No	Date of Joining	Name of University	Title of Thesis	Status	Date of Viva –voce
1	R Raja Aswathy	2020	Manonmaniam Sundaranar	CLASSIFICATION MODELS FOR PREDICTING CARDIOVASCULAR DISEASE USING IMPROVED AND HYBRID TECHNIQUES"	Completed	29/08/2025

Annexure -6B- Under Co-Guidance

Sl. No.	Student Name with Reg.No	Date of Joining	Name of University	Title of Thesis	Status	Date of Viva –voce	Guide Name with College address

b. Details of Research Guidance (M.Phil)

No. of scholars completed	No. of Scholars under guidance	Total
3	1	4

c. Details of Research Projects

Type of Project (Major/Minor) & (National/ International).	Funding Agency	Title of The Project	Amount	Duration (Years)	Status (Completed/ Progress)	Position in the Project (Principal Investigator/ Co-Principal Investigator)

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d. Details of Research Paper Publications (as on 20-01-2021)

	National (N)	International (IN)
No. of Papers published	1	17

Attach details in the following format - **Annexure -8**

S.N O	Title of Research Paper/ Article	Journal Name with ISSN	Month & Year	Vol. /Issu e	N / I N	Impac t Factor	Approved by UGC (Y/N)
1	AN ADVANCED SCRATCH REMOVAL METHOD FOR FINGERPRINT BIOMETRICS	2011 3rd International Conference on Electronics Computer Technology ISBN: 978-1- 4244-8678-6	April 2011	1	I N		Y (SCOPUS)
2	Secure, Portable and Customizable Web Portals for E-Commerce	B-Digest ISSN:0975 2617	June 2011	3	N		N
3	Mining frequent itemsets over data streams using circular queues for efficient maintenance of sliding windows	Elixir	November 2011	--	I N		N
4	An Analytical Study on Frequent Itemset Mining Algorithms	Springer-MIKE 2013 ISSN 0302-9743 e- ISSN 1611-3349	December 2013		I N		Y (SCOPUS)
5	Association Rule Mining and Medical Application: A Detailed Survey	International Journal of Computer Applications (IJCA) 0975 8887	October 2013	80	I N		N
6	An Effectual Frequent Pattern Mining (Fpm) Approach Using Clustering	Australian Journal of Basic and Applied Sciences ISSN:1991-8178	August 2014	8	I N	0.126	Y

	and Varied Sliding Window for Streaming of Data						
7	An Algorithm for Mining Closed Weighted Sequential Patterns with Flexing Time Interval For Medical Time Series Data	ICCC2015 ISBN:978-1-4673-9757-5	November 2015 Date Added to IEEE <i>Xplore</i> : 08 September 2016		I N		Y(SCI & SCOPUS)
8	An Algorithm for Generating Non - Redundant Sequential Rules for Medical Time Series Data	International Journal on Future Revolution in Computer Science & Communication Engineering ISSN:2454-4248	November 2017	3/11	I N		Y
9	An Extended C4.5 Classification Algorithm using Mathematical Series	Science and Technology ISSN : 2321-3388	July 2019	7	I N		Y
10	Performance of Naïve Bayes, C4.5 and KNN using Breast Cancer, Iris and Hypothyroid Datasets	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075	January 2020	9/3	I N		N
11	Classification Based Neural Network Modelling with Continuous and Sequential data	Microprocessor s and Microsystems	July 2022		In		N
12	Heart Disease Prediction Using Various	International Journal of Advanced Trends in Engineering and	2023	6/2	I N		N

	Classification Models	Management (IJATEM)					
12	SCSLnO-SqueezeNet: Sine Cosine-Sea Lion Optimization enabled SqueezeNet for intrusion detection in IoT	NETWORK: COMPUTATION IN NEURAL SYSTEMS	October 2023		I N		Y(SCI & SCOPUS)
13	Whale optimization approach for early heart disease prediction based on FCM using DCNN	Review of Computer Engineering Research	2023	10/4	I N		Y (SCOPUS)
14	Remote sensing image classification using modified random forest with empirical loss function through crowd-sourced	Multimedia Tools and Applications	November 2023	83	I N		Y(SCI & SCOPUS)
15	A Multi-Folded Dynamic Regularized Dual Crossed CNN with A Self-Adaptive Metaheuristic Aware Cardiovascular Disease Prediction	Nanotechnology Perceptions	2024	20/5	I N		N
16	Feature Selection with PSO and Convolutional Neural Network with Long Short-Term Memory for Medical Application	Research Square	February 2024		I N		N

17	An innovative attention infused-BiRecurrent Twin network assisted hybrid segmentation technique for accurate heart disease prediction	Engineering Applications of Artificial Intelligence	December 2024		I N		Y(SCI)
18	A hybrid framework for heart disease prediction using multi-scale feature map reconstruction with inception in DenseNet and AHP-VIKOR feature selection model	Network Modeling Analysis in Health Informatics and Bioinformatics	August 2025		I N		Y (SCOPUS)
19	Advances in Finger Vein Recognition: A Comprehensive Review of Techniques and Applications	International Journal of Research Publication and Reviews	September 2025	6/9	I N		N

e. Publication other than Research Papers:

Books authored which are published – Attach details in the following format - **Annexure -9**

Year	Books authored (Complete Book/ Chapter in Edited book/ Research Paper in Book)	Authorship (Sole Author/ Co-author/ Editor/ Co-Editor/ any other)	Title of Book Manuscript/ Journals	Details of Published (National/ International/ Foreign)	ISBN/ ISSN No.
October 2025	Complete Book	Co-Author	Deep Learning	National	978-81-990778-2-9

f. Details of IPR (Patent Filed , Copy rights if any).

- 1.
- 2.
- 3.

23. AWARDS/ FELLOWSHIP:

Year	Name of the Award	Description	International/ Central/ State Govt./ Local bodies	Agency
2021	Topper	Programming in Java - NPTEL-SWAYAM Certification	Central	IIT, Kharagpur
2022	Best NSS Programmer	Awarded with University Level Best NSS Programming Officer for the academic year 2021-22 in recognition of outstanding services rendered to the community through NSS/	University	Manonmaniam Sundaranar University
2024	Active SPOC	For instrumental role as SPOC for the SWAYAM-NPTEL Local Chapter	Central	NPTEL IIT Madras
2024	Excellence in Reviewing	in recognition of an outstanding contribution to the quality of the journal.	International	Advances in Research
2024	Top Performing Mentor	In recognition of role as Mentor for NPTEL Online Certification Course	National	NPTEL IIT Madras

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24. Other Relevant Information/ Significant Contributions not mentioned earlier.

Role: IQAC Co-ordinator

Institution: S.T. Hindu College, Nagercoil

Contribution: Successfully coordinated the NAAC reaccreditation process after 14 years and achieved B++ Grade in February 2024.

Declaration

I declare that all the statements made in the form are true to the best of my knowledge and belief.

Place: Nagercoil
Date:20.10.2025

Signature:

Name and Designation:
(Dr.K.PAZHANIKUMAR)
Assistant Professor & Head