

**A.V.C.College (Autonomous),
Mannampandal, Mayiladuthurai.**

Staff Profile



Dr. K.PALANIVEL

Associate Professor in Computer Science

Department of Computer Science

April 2019

Staff Profile

(as on 1.4.2019)



1. Name: **Dr. K. PALANIVEL**
2. Gender: Male
3. Age as on 1.4.2019 : 50 years; D.O.B: 28.07.1968
4. Designation: **Associate Professor in Computer Science**
5. Area of Specialization: Data Mining and Recommender Systems
6. Educational Qualifications :

Examination	Subject(s)/ Specialization	Division/Grade and % of Marks	University/Institution	Year
High School	---	67.4%	Board of Secondary Education	April 1983
Higher Secondary	---	71.4%	Board of HSC Examination	April 1985
B.Sc.,	Computer Science	69% - I rank	Bharathiyar University, Covai	April 1989
M.Sc.,	Computer Science	86% - I Class with distinction	Bharathidasan University, Tiruchy	April 1991
M.Phil.,	Computer Science (Information Retrieval)	75% - I Class	Manomaniam Sundaranar University, Tirunelveli	May 2002
Ph.D.,	Computer Science (Human- Computer Interaction)	Commended	Bharathidasan University, Tiruchy	Jun. 2013
NET qualified	Computer Science	Passed	University Grants Commission	Dec.1998

7. Total Teaching Experience as on 31.4.2019:

Sl.No.	Name of the Institution	From	To	Years
1.	AVC College (Aided)	19.6.2000	Till date	18 yrs, 10 months
2.	Vysya College, Salem (SF) and worked as HOD	10.6.1994	18.6.2000	6 years
Total Teaching experience :				24 years, 10 months

8. Orientation / Refresher courses attended :

Sl. No.	Ori. /Ref	Title of the course	From	To	Name of the Institution and Place
1.	O	One day Orientation Programme for Academic Counselors	4.11.2001	---	IGNOU SC, Pondicherry
2.	O	UGC-Sponsored Orientation Programme	18.1.2002	14.2.2002 (24 days)	Academic Staff College, Pondicherry University
3.	R	UGC-Sponsored Refresher Course in Computer Sc.,	3.11.2002	23.11.2003 (21 days)	Academic Staff College, Bharathidasan University, Tiruchy
4.	R	UGC-Sponsored Refresher Course in Computer Sc.,	20.11.2007	10.12.2007 (21 days)	Acad. Staff College, Bharathiar University, Coimbatore
5.	R	UGC-Sponsored Refresher Course in Computer Sc.,	3.12.2009	23.12.2009 (21 days)	Acad. Staff College, Bharathiar University, Coimbatore
6..	O	Attended 7 days Orientation Course for NSS Programme Officers	25.7.2012	31.7.2012 (7 days)	Empanelled Training Institution, Madras School of Social Work, Egmore, Chennai

9. Conferences attended :

1. K.Palanivel and R.Sivakumar, "An integrated framework for Recommender Systems using Multicriteria Fuzzy Linguistic approach", *International Conference on Computational Intelligence, 9-11, Dec.2010 conducted by GRG School of Computer Technology, Coimbatore.*
2. K.Palanivel and R.Sivakumar, "A study on Multicriteria Recommender system using Implicit feedback and Fuzzy linguistic approaches", *International Conference on Recent Trends in Information Technology (ICRTIT 2011), 3-5 June 2011, MIT Campus, Anna University, Chennai. IEEE Xplore: DOI : 10.1109/ICRTIT.2011.5972365.*

10. Seminars attended :

1. Attended UGC-Sponsored Seminar on "Emerging Trends in Information Technology" from 27.01.2003 to 31.1.2003 and 5.3.2005 at AVC College.
2. Attended One day Seminar cum Workshop on Recent Trends and Developments in Computer Science organized by AVVM Sri Pushpam College, Thanjavur on 23.8.2010.
3. Attended a CSIR Sponsored National Seminar on "Fuzzy-Rough Set theory and its applications" conducted by Kongu Engineering College, Erode on 18.3.2011 & 19.3.2011.
4. Attended the Tutorial sessions on "Information Retrieval" conducted at Madras University of Technology Campus, Anna University, Chennai on 3.6.2011 during International Conference on Recent Trends in Information Technology (ICRTIT 2011).
5. Attended National level Seminar on "Recent Developments in Computer Technology" conducted at A.V.C.College (Autonomous) on 16.2.2012 & 17.2.2012.

6. Attended a National Level Seminar on “Cloud computing” organized by CS department of AVC College on 15.3.2013.
7. Attended UGC Aided seminar on “Recent trends in IT” organized by Dept. of CS, AVC College (Autonomous) on 7.10.2014.

11. Workshops attended :

1. UGC-Sponsored State level Workshop on “Data Mining Techniques for Bio-Informatics” at AVVM Sri Pushpam College, Thanjavur on 7th & 8th March 2005.
2. Two days National Workshop on Data Mining and its applications organized by Annamalai University, Chidambaram, on 21st & 22nd Mar. 2008.
3. Attended one day Workshop on Employability skills on 7th Feb. 2011 at Bharathidasan University, Tiruchy.
4. Attended workshop on Question bank for Part-A questions organized by COE of A.V.C. College (Autonomous) on 26 & 27.12.2011.
5. Attended exclusive workshop for Members of Board of Studies on “Reform of Undergraduate and Postgraduate Curriculum for enhancing Employability” organized by Curriculum Development Cell on 22.3.2013 conducted at Bharathidasan University, Tiruchy.

12. Training programmes attended :

1. Attended One month training in “Intel Teach to the Future Programme” provided by Intel Officials on 8.7.2002 to 8.8.2002 at AVC College.
2. Attended .Professional Training given by CompCare Software Pvt. Ltd., Chennai on Software Career Skills from 23.11.2006 to 24.11.2006.
3. Attended a Training Programme on Placement Methodologies organized by Consortium of Placement officers on 21.1.2007 at Hotel Vijay Park, Koyambedu, Chennai.
4. One day Workshop for training the Placement Officers titled “Training the trainers” organized by Jamal Mohamed College, Tiruchy on 30.8.2007.
5. Attended two days ACTA sponsored Leadership training camp at Kolli hills on 1.6.2013 to 2.6.2013.

13. Seminars / Training Programmes organized:

1. UGC Aided Seminar on *Softskill development* was organized through Placement Cell from 19.2.2008 to 21.2.2008.
2. UGC Sponsored 9 days *TANCET-MCA Entrance Coaching Programme* was organized through Career & Counseling Cell from 30.4.2010 under UGC XI Plan Merged scheme.
3. UGC Aided Seminar on *Softskill Development* through Placement Cell from 21.2.2012 to 23.2.2012.
4. UGC Aided Seminar on “*Effective Communication and Interview Skills*” through Placement Cell on 2.4.2012.
5. Through *Young Student Scientist Programme*, (20+20) days Training Programme on Science Technology was organized in the month of May 2013 and May 2014 with the Govt. School 9th standard students of Nagai and Pudukottai Districts with the support of *Tamil nadu State Council for Science and Technology*, Govt. of Tamil nadu.

14. Other Positions Held in AVC College :

Sl. No.	Positions held	From	To	Nature of work
1.	Academic Counselor-IGNOU	2000	2012	Counseling students in BCA,MCA courses
2.	Board of Studies member	2001-02	Till date	Active participation in revising the syllabus.
3.	PEKAK Programme Coordinator	2001-02	2004-05 (3 years)	Organized Medical Camps, educated people, and worked for social development at Moovaloor village
4.	Member in Examination Committee	2001-02	2005-06 (4 Years)	Acted as Additional Chief Superintendent in Regular and Supplementary exams.
5.	Member in Application processing committee	2002	2011	Assisting Application processing and Admission task
6.	Placement Officer	2002-03	2011-12	Arranging Campus Interviews and organizing training programmes.
7.	Member in Academic Council	2003	2005	Active participation in discussions in academic matters.
8.	Member in Sub-Committee	8.10.2004	31.5.2005	To coordinate the computerization work related to COE office
9.	Co-ordinator for UGC-XI plan – Merged Scheme – Career Counseling Cell	2010	2012	Arranging training programmes for the final year students
10.	NSS Programme officer	July 2012	May 2014	Developing the personality of the students through community service and organized medical camps in the campus on 5.12.2013
11.	Coordinator for Part IV activities	2013	2014	Assigning students to all the service organizations and arranging Part IV scores.
12.	Coordinator - Young Student Scientist Programme	2013	2014	Conducted this program for Nagai and Pudukkottai Govt. School 9 th std. students in May 2013, 14.
13.	Co-ordinator, Target-CE	2014	2016	Organizing awareness and training programmes for Competitive examinations.
14.	Convener, Examination Committee	Jun 2017	July 2018	Conducting Regular, Supplementary and other Govt. exams in the College
15.	Director, Internal Quality Assurance Cell (IQAC)	August 2017	Sep. 2018	Monitoring the quality in the Institution, preparing Reports for NIRF, NAAC, Autonomous Review
16.	Co-ordinator, Young Students Scientist Programme (sponsor - TNSCST)	May 2017		Conducted 20 days Training programme for the School 9 th std students of Nagai and Cuddalore dist at AVC College
17.	Library - Coordinator	July 2018	Till date	To run routine affairs and smooth conduct of Library.
18.	Member, Examination Committee	Jun 2018	Till date	Seating arrangement

15. Work done / Honors in other Institutions / organizations:

Sl. No.	Positions held	From	To	Nature of work
1.	Member of Board of Studies at ADM College for Women.	2006	2008	To revise syllabus
2.	External Member for Academic Performance Evaluation Committee at ADM College for Women, Nagappattinam.	2010	2012	To evaluate the Teaching, Learning and Evaluation process
3.	Bharathidasan University – Member to Board of Studies – PGs in Computer Science at BARD	1.4.'12	31.3.'15	To revise syllabus (for a period of 3 years) and designed syllabus for M.Sc., Animation Technology
4.	Attended BOS meeting in PG CS at BARD, Khajamalai Campus, Tiruchy	On 8.11.2012		To revise the syllabus of MSc., MCA., courses in CS
5.	Attended BOS meeting in PG CS at BARD, Khajamalai Campus, Tiruchy	On 10.6.2013		To revise syllabus of M.Sc., Animation Technology & PGD in Multimedia & Ani.Tech.
6.	Joined as Member in Lions Club of Mayuram	22.8.2013		To involve in social activities and help poor people
7.	Inspection Commission member for M.Sc., CS course at EGS Pillai Arts & Science College, Nagappattinam	On 29.8.2013		To check the infrastructure facilities available to sanction the course
8.	Member of Board of Studies at Erode Arts College.	2013	2015	To revise syllabus
9.	Attended BOS meeting in PG CS at Erode Arts College	On 25.10.2013		To revise syllabus of UG CS
10.	Chair person for Question paper Scrutinizing board at PSG College of Arts & Science, Coimbatore	On 28.10.2013		To scrutinize the question papers
11.	Attended BOS meeting in PG CS at BARD, Khajamalai Campus, Tiruchy	On 8.5.2014		To frame the syllabus for MCA 5 years integrated and MCA Non semester - DDE
12.	Member of Board of Studies at Erode Arts College.	2013	2015	To revise syllabus
13.	Nominated as University representative to the BOS in Computer Applications, Nehru Memorial College, Puthanampatti	2015	2017	To design and revise syllabus for UG – Computer Applications
14.	Inspection Commission member for M.Sc., CS course at Kalaimagal College of Arts & Science College, Sembanar koil, Nagappattinam	On 25.2.2015		To check the infrastructure facilities available to sanction the course
15.	Appointed as Doctoral Committee member at Rajah Serfoji Govt.College, Thanjavur	On 13.5.2015		To give suggestions to the research scholar on her research work.
16.	Appointed as University nominee for BOS in CS at GAC for Women, Kumbakonam	From 7.10.2015 to 6.10.2017		To design and revise syllabus in BOS in Computer Science

17.	Attended QP Scrutiny Board meeting at ADM College, Nagai	On 17.10.2015	To scrutinize the question papers
18.	Attended QP Scrutiny Board meeting at Theivanai ammal College for Women, Vilupuram	On 28.10.2015	To scrutinize the question papers
19.	Attended QP Scrutiny Board meeting at ADM College, Nagai	On 7.6.2016	To scrutinize the question papers
20.	Acting as Doctoral Committee Member for a Candidate at AVVM Sri Pushpam College, Thanjavur	From 17.2.2016	To direct the research student to complete his research work (guide: Dr.RS)
21.	Acting as Doctoral Committee Member for a Candidate at AVVM Sri Pushpam College, Thanjavur	Froms 2.7.2016	To direct the research student to complete his research work (guide: Dr.TC)
22.	Attended BOS meeting for UG & PG in CS as University nominee at GAC for Women, Kumbakonam	On 22.8.2016	To revise the syllabus of UG, PG in CS

16. Research experience :

Course / others	Title of Work/ Thesis	University where the work was carried out	Funding agency
M. Phil.,	A modern Information Retrieval technique by using Double array Trie	Manonmaniam Sundaranar University	----
Ph. D.,	Development of Agent-based Personalized Recommender System for effective Human-Computer Interaction	Bharathidasan University	----

Research Publications :

- ❖ K .Palanivel and R.Sivakumar, "A study on Implicit Feedback in Multicriteria E-Commerce Recommender System", *Journal of Electronic Commerce Research*, Vol.11, No.2, pg.140-156, 2010 (*USA Journal*). ISSN: 1526-6133 (Online) 1938-9027 (Print)
- ❖ K.Palanivel and R.Sivakumar, "Fuzzy multicriteria decision-making approach for Collaborative Recommender System", *International Journal of Computer Theory and Engineering*, Vol.2, No.1, 2010 (*Singapore Journal*). ISSN: 1793-821X (Online Version); 1793-8201 (Print).
- ❖ K.Palanivel and R.Sivakumar, "A study on Collaborative Recommender System using Fuzzy-Multicriteria approaches", *International Journal of Business Information Systems*, Vol.7, No.4, 2011 (*INDERSCIENCE Journal-UK*) ISSN :1746-0972 EISSN:1746-0980.
- ❖ K.Palanivel and R.Sivakumar, "An Integrated Framework for Recommender System using Multicriteria-Fuzzy Linguistic Approaches", *International Journal of Computational Intelligence Research*, Vol.6, No.4, pg.763-770, 2010. ISSN: 0973-1873 (Print) 0974-1259 (Online)
- ❖ K.Palanivel and R.Sivakumar, "A study on Multicriteria Recommender system using Implicit feedback and Fuzzy linguistic approaches", *International Conference on Recent Trends in*

Information Technology (ICRTIT 2011), 3-5 June 2011, MIT, Anna University, Chennai. IEEE Xplore: DOI : 10.1109/ICRTIT.2011.5972365.

- ❖ S. Kesavan and K.Palanivel, “Review of Multicriteria Recommender System and its issues”, *International Journal of Modern Computer Science and Applications*, Vol. 5(1), 2017. (ISSN: 2321-2632)
- ❖ P. Divya and K.Palanivel, “A Survey of Comparison Study of Classification for Hematological Data”, *International Journal of Computer Science and Mobile Applications*, Vol.5, Issue.10, Oct.-2017, pg.71-82. (ISSN: 2321-8363) (Impact Factor: 4.123)
- ❖ M.Ananthi and K.Palanivel, “Survey on Classification of Feature Selection Strategies”, *International Journal of Computer Science and Mobile Applications*, Vol.5, Issue 9, Sep.2017, pp.23-31. (ISSN: 2321-8363) (Impact factor : 4.123)
- ❖ P. Hema and K.Palanivel, “A Study on Prediction of Diabetic Disorder using Classification based Approaches”, *International Journal of Computer Science and Mobile Applications*, Vol.7, Iss.1, 2018 (ISSN: 2321-8363) (Impact factor : 4.123).
- ❖ P. Hema and K.Palanivel, “Performance Study on Diabetic Disease Prediction Using Classification Techniques”, *International Journal of Computer Sciences and Engineering*, Vol.6, Iss. 2, E-ISSN: 2347-2693, Feb. 2018 (UGC recognized Journal).
- ❖ R. Pradeepa and K. Palanivel, A study on Classifiers performance for prediction of Diabetic disorder, *International Journal of Advance Research, Ideas and Innovations in Technology*, ISSN: 2454-132X, Vol. 4, Iss.2, 2018 (Impact factor: 4.295).
- ❖ R. Pradeepa and K. Palanivel, A Survey on Classification of Feature Selection Strategies, *International Journal of Trend in Scientific Research and Development*, ISSN No. 2456-6470, Vol.2, Iss.2, Feb. 2018.
- ❖ Dr.K.Palanivel and S.Sangeetha have published a paper entitled as “ Anticipating Thyroid Disorders using Data mining Techniques ” in *IJCSCMC* ISSN 2320-088X, Volume 7, Issue 4 April 2018, Pg.183-190 Impact Factor 6.017.
- ❖ K.AnithaGayathri and K.Palanivel, Privacy based Personalized Web Search, *International Journal of Scientific Research in Computer Science, Engineering & Information Technology*, Issue 7/3965, Oct. 2018 ISSN: 2456-3307 (Impact factor : 4.032).
- ❖ V.Jagadeesan and K.Palanivel, Comparative Study of Supervised and Semi-supervised Learning for Enhanced Drug Prediction, Vol.6, Issue 9, Sep. 2018, E-ISSN: 2347-2693.

Research Guidance :

- M.Phil: 22 Scholars completed in Periyar university and 4 M.Phil. Scholars in AVC College.
- Their names are: S.Deepa, S.Sivasankar, S.Buvanarani, V.Maheswari, R.G.Malarvizhi, R.Vidhya, S.Devi, V.Elamurugu, E.Ananthi, K.Dhanalakshmi, R.Kavitha, M.S.Vanitha, R.Devi, K.Arul Marie Joycee, S.Punitha, M.Sangeetha, R.Chindhiya, R.Balaji, V.Vidhya, S.Sumathra, T.Priya & P.Chitra.
- Got permission to guide M.Phil scholars at Bharathidasan, Periyar and PRIST Universities.
- Ph.D., guideship at Bharathidasan University obtained on 15.9.2014.

17. Invited Talk / Guest Lecture / Subject expert:

1. Acted as a Resource Person in Young Scientist Programme organized by Govt. of Tamil nadu at AVC College from 2001 to 2003.
2. Acted as a Resource Person in one day Seminar in Emerging trends in DBMS organized in Dharmapuram Adhinam Arts College, Mayiladuthurai on 28.2.2003.
3. Acted as a Resource person in a *Computer Training Programme for Nagai District Women Police personnel* organized by the Police department at AVC College from 30.6.2004 to 14.7.2004.
4. Acted as a Resource Person in a *Computer Training Programme for Judicial Officers* of Nagai and Tiruvarur districts organized by Judicial department conducted at AVC College from 22.4.2006 to 26.4.2006.
5. Acted as a Chief Guest at the National level Technical Symposium organized by ARJ College of Engineering & Technology, Mannargudi on 27.8.2010.
6. Acted as a Resource person in UGC-NET Coaching Programme for PG final year PG students held at Kundavai Naachiyar Govt. Arts College for Women, Thanjavur on 19.2.2011 & 29.1.2013.
7. Acted as Subject Expert for Academic Performance Review meeting held on 31.3.2011 at ADM College, Nagapattinam.
8. Acted as Resource Person in Seminar cum Workshop on “Human-Computer Interaction aes” organized by Dept. of Comp.Sc., AVVM. Sri Pushpam College (Autonomous), Thanjavur on 24.8.2011 & 25.8.2011.
9. Acted as Resource Person to train the students towards SLET/NET at Government College for Women (Autonomous), Kumbakonam on 26.2.2012, 18.3.2012, 1.4.2012 & 8.4.2012.
10. Acted as Resource Person in a special coaching class to create awareness for PG students in NET examination on 31.3.2012 at Poompuhar College(Autonomous), Melaiyur.
11. Acted as resource person and delivered a lecture in UGC-assisted one day Seminar on “Latest trends in IT & applications” on 29.4.2013 at CS department of Govt. Arts College (Autonomous), Kumbakonam.
12. Acted as a Resource Person at One day State level Confab on Modernistic trends in Computer Edutainment conducted at TUK Arts College, Karanthai, Thanjavur on 29.3.2014.
13. Acted as a Resource Person in a Guest Lecture organized by Mother Terasa Women’s University, Kodaikanal in “Discrete Mathematics and Data Mining” on 29th & 30th September 2015.
14. Acted as a Resource Person in Awareness Programme on NET / SET for M.Sc.,(CS & IT) students on 25.1.2016 held at Bharath College of Science and Management, Thanjavur.
15. Acted as Resource person in CS Association meeting seminar at DGGGA College, Mayiladuthurai organized on 27.9.2016.
16. Acted as Resource Person in CS Association meeting to give Special Lecture on *Recent Advances in IT Sector* at Sree Ragavendra College, Chidambaram on 29.9.2016.

17. Acted as External Examiner and conducted Ph.D. Viva-voce for a candidate Mrs.T.Bharathi at Rathnavel Subramaniam College of Arts & Science, Sulur, Coimbatore, Affiliated to Bharathiar University.
18. Acted as resource person for the Net Exam December 2018 coaching class for paper I on 11-12-2018 and 12-12-2018 at A.V.C. College(Autonomous).

18. Books / Chapters Published :

Chapter 5: Recommender Systems was written on the book "Human-Computer Interaction" - K.Meena and R.Sivkumar, PHI Learning Pvt. Ltd. New Delhi, 2015 (ISBN : 978-81-203-5050-2).

19. Additional experiences / skills :

- Reviewed two research papers for Journal of E-Commerce Research.
- 4 Seminars were organized on *Softskill development* for final year students through Placement Cell.
- Regular Evaluator of M.Phil. Thesis, QP setting board Chairman, and evaluator of Answer Scripts at Madras, Thiruvalluvar, Bharathiar and Periyar Universities, and Autonomous Colleges.
- Typewriting higher passed.
- Active participation in NSS and NCC during the period of study.
- Having 3 years industrial experience after PG at L.G.Balakrishnan & Bros.Ltd., Karur.
- Obtained Proficiency prizes during the period of study.
- Received *Best Teacher* award from the College Management during the Golden Jubilee Year 2005-2006 and received a Gold medal during Annual day celebrations.
- Received an appreciation from Management for placing 291 students in companies during academic year 2010-11.
- Received a Certificate of Appreciation from TN State AIDS and control society and State Blood Transfusion Council on 5.12.2013 for organizing voluntary Blood donation Camp for patients in Govt. hospitals.

20. Residential Address :

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Role at Placement Cell



Role at Placement Cell





Presentation at Ph.D., viva exam



Role at NSS





Role at Young Student Scientist Programme





