

FACULTY PROFILE

Name : Dr.K.S.RATHNAMALA

Designation: Associate Professor & HOD

Educational Qualification: B.E. (CS), M.Phil., Ph.D

Degree	University/ College	Year of passing
B.E.(CS)	National Institute of Technology, Trichy	1988
M.Phil.	Bharathidasan University, Trichy	1999
Ph.D.	Mother Teresa Women's University, Kodaikkanal.	2012

Experience:

UG: 29 years

PG: 27 years

Area of Specialization: Data Mining

Guided: M. Phil.: 2

Research Papers Presented: 2

Research Papers Published: 7

Research Projects:

Title	Sponsor	Duration	Amount
Data Mining Techniques for finding Similar Patterns in Drug Composition on Outsourced Drug Database.	UGC	2012-2014	Rs.80000

External experts: (Board members, Chairman, Research external examiners, Selection committee members, Inspection committee member, etc)

- Interviewed by ALL INDIA RADIO about “Eththuraiyilum Nangal” as a woman Computer professional and broadcasted on 10.08.94.
- Resource Person in the Refresher course for Higher Secondary Teachers conducted from 04/07/96 to 09/07/96 at S.R.College,Trichy.
- Visiting faculty for Govt.Higher Secondary School, Anbil, Lalgudi under the scheme of Computer Education in Govt.Schools of Trichy District on 08.11.2000.
- Inspection Commission Member for the revision of intake for M.Sc .Computer Science of Urmu Dhanalakshmi College, Trichy-19 appointed by Bharathidasan University on 27.05.2002.

- Affiliation Commission Member for the grant of provisional affiliation to start the course M.Sc Computer Science in Christu Raj College, Trichy-12 appointed by Bharathidasan University on 30.05.2002.
- Convener on UGC Sponsored National Level Seminar on Cyber Impact on Society, Feb 11-12, 2004.
- Member of Board of studies for Cyber Technology course at St. Joseph's College, Trichy-2 on 26.02.2007.
- Resource Person for the Faculty Development Programme on "Enhancement of ICT Skills" organized by the IQAC Cell, S.R.College from 19/01/2009 to 31/01/2009.
- Resource Person of the Workshop on "Artificial Intelligence System" at SAHRDAYA College of Engineering & Technology, THRISSUR, KERALA on 26/03/2009.
- Member of Board of Studies at Bharathidasan University for a period of 3 years from 01/04/2009.
- Participant of the Workshop on N-List Programme organized by UGC and INFLIBNET, Ahmedabad at SERO, HYDERABAD on 08/10/2010.
- One man Inspection Commission Member for the revision of intake of B.C.A course of Naina Mohamed College, Pudukkottai Dt. appointed by Bharathidasan University on 02/07/2011.
- Chair of the International Conference on "Next Generation of Mobile Services, Applications and Technologies" at Bon Secours College for Women, Thanjavur on 14/02/2013.
- Organised the Training programme for our UG students on GIMP – Free Open Source Software (FOSS) by IIT Mumbai in collaboration with Bharathidasan University sponsored by National Mission on Education through ICT, MHRD, Govt. of India on 06.03.2015.
- Panel member of Consultative Workshop World Class Curriculum in Computer Science – organized by Dept of Computer Science and Engineering and CCCD Bharathidasan university, Trichy on 16.02.2016

- M.Phil. Thesis Evaluator & External Examiner for Bharathiar University, Bharathidasan University, Karpagam University, Coimbatore and Mother Teresa Women's University, Kodaikanal.

Other positions held in the college:

- Member of College Advisory Committee.
- In-Charge for College Library Automation Project. (I Phase)
- Chief Superintendent of Examinations in 2006 & 2013.
- Chairman of Board of Studies in Computer Science.
- Chairman of PG Passing Board in Computer Science.

Research papers presented:

Title of the seminar	Title of the Paper	Level	Sponsor	Date & venue
ICBEF-2005	Agro Economics	International	Adaikkalamatha College, Vallam.	29/09/2005 Thanjavur
INTELLIGENT SYSTEMS AND CONTROL-2006	Concepts of Descriptive Data Mining Techniques	International	AICTE ,New Delhi & Karpagam College of Engineering.	09/08/2006 Coimbatore

Research papers published:

- CONSTRUCTIVE INDUCTION-A DATA MINING PERSPECTIVE, **INDIAN JOURNAL OF SCIENCE, ARTS & COMMERCE**, VOL: 1, NO: 2, 2005, PG.NO: 26-32.
- DESCRIPTIVE DATA MINING TECHNIQUES – FINDING PATTERNS BY PROXIMITY AND FINDING LINEAR PROJECTIONS, **NATIONAL JOURNAL OF COMPUTER SCIENCE**, VOL : 1, NO: 5, 2006, PG.NO: 404-412, ISSN 0973-292 6.

- DATA MINING TECHNIQUES – CONCEPTS AND IMPLEMENTATION, NATIONAL LEVEL CONFERENCE PROCEEDING, FATIMA COLLEGE, MADURAI ON 04/10/2001.
- IT BASED SERVICE FOR AGRICULTURAL PROGRAMME USING DATA MINING TECHNIQUES, AICTE SPONSORED **NATIONAL** LEVEL CONFERENCE PROCEEDING, P.S.G.R KRISHNAMMAL COLLEGE FOR WOMEN, COIMBATORE ON 19/09/2003.
- ANALYSIS OF DATA MINING VISUALIZATION TECHNIQUES USING ICA AND SOM CONCEPTS, **INTERNATIONAL JOURNAL** OF COMPUTER SCIENCE AND INFORMATION SECURITY, **USA**, VOL: 9, NO: 1, 2011, PG.NO: 171-180, ISSN 1947-5500
- ANALYSIS OF SELF ORGANIZING MAPS USING VISUAL DM TECHNIQUES IN AGRO DATABASE FOR PREDICTION OF YIELD, **INTERNATIONAL JOURNAL** OF ADVANCED COMPUTER SCIENCE, **CANADA**, VOL : 3, NO: 10, 2013, PG.NO: 508-511, ISSN 2251-6379, Impact factor:3.57 .
- IMPLEMENTATION OF CONSTRUCTIVE INDUCTION – A DATA MINING TECHNIQUE IN AGRO DATABASE FOR OPTIMAL SOLUTION, **INTERNATIONAL JOURNAL** OF ADVANCED RESEARCH IN COMPUTER AND COMMUNICATION ENGINEERING, VOL : 5, ISSUE: 5, 2016, PG.NO: 187-189, ISSN 2278- 1021, Impact factor: 5.332.