Faculty Profile

1.Name of the Faculty : D. Venkatesan

2.Department and Designation : Dept. of Information Technology and HOD (i/c) I.T./C.S.E.

3.Date of Joining :15-Apr-2005 (in Bharathidasan University)

4.Faculty ID:TF0023

5. E-mail Address : dvenkatesan1968@gmail.com

6. Date of Birth :05-June-1968

7. Qualification :

1. (Ph. D)- Area: Software Engineering/Web Services (Thesis submitted June 2017; Examiner evaluation received: Dec 2017) –Public viva awaited (Thesis title : A Novel Agent-Based System Development Technology)

2. M.E- Software Engineering (Dec 2000 pass out)

3. B.E – Computer Science and Engineering (June 1989 pass out)

8.Specialization :

Web technology; Software Engineering; Information Systems

9. Professional Experience:

- Computer system Officer (Sep 1989 – Apr 1994): Indian Petrochemical Corporations, Baroda, Gujarath

- Systems Consultant (On deputation from IPCL): Petrochemicals Data Service, Ministry of Petrochemicals, G.O. I, Baroda /New Delhi (1991-1993)

- Deputy Manager (Jun 2004 – Dec 2004): Industrial Credit & Investment of Corporation, Bombay

- Senior system Officer (Feb 1995 – Feb 1997): Vetri Software/DSquare Software, Chennai,

- Project Manager (Feb 1997 – Sep 1997): BFL EDS Software, Bangalore/USA

- System Consultant (Oct 1997 – Oct 1998): Data Technology Inc. Fremont, USA

- Scientist- D/E (Feb 2000 – Apr 2005): Aeronautical Development Agency, Ministry of Defence, Bangalore

☐ Asst. Professor (Apr 2005 to till date): Bharathidasan Institute of Technology, Tiruchirapalli

10.Research Guidance: Guided more than FORTY FIVE Master of Engg. Students towards their project work.

11.Awards and Honours : Received several appreciation letters for good service in my career

12. Sponsored Projects: Presently preparing proposal for sponsored projects.

13. Patents: --NA--

14. Publications

 (i) Internationally Refereed Journals : (along with Impact Factor) 6

 (ii) National Journals: -

(iii) International Conferences: 4

(iv) National Conferences : -

(V) Books Published with ISBN number/ISSN number NIL

14. CONFERENCES/WORKSHOPS/SEMINAR/ SHORT TERM REFRESHER COURSE ATTENDED

S. No	Host Institution	Topic	Date
1	Mookambigai College of Engg, Pudukottai	**Workshop on Automata Theory & computation**	November 2009
2	Bharathidasan Institute of Technology,	**Workshop on Image and Pattern**	December 2006
	Trichy	**Recognition**	
3	College of Engineering , Guindy	**Workshop on Knowledge engineering and Computational Linguistics**	September 2013
4	School of Technology and computer science	**Workshop on Graph and Geometric Algorithms**	January 2010
5	Anna University of Technology, Trichy	**Seminar on research Methodology**	August 2011
6	Bharathidasan University, Trichy	**International Conference on "Quality Enhancement in Educational Communication "**	March 2008
7	ESC, Bangalore	**The Embedded Systems conference India 2009**	July 2009
8	Chennai Mathematical Institute, Chennai	**ICM Satellite conference on mathematical logic and set theory**	August 2010

15. CONFERENCES/WORKSHOPS/SEMINAR ORGANISED/SUPERVISED

S. No	Host Institution	Topic	Date
1	School of Engineering and Technology, Bharathidasan University	**A State Level One – Day Symposium on " Enterprise Management Software in Indian context Issues and Solutions"**	March 2006
2	University college of Engineering, B.I.T Campus, Trichy	Workshop on Service Oriented Architecture and Enterprise Computing	Feb 2011

Supervised the following work in I.T/C.S.E

1. FDP Organised by the Department from academic year 2012 onwards

S.No.	Title	Duration (Date)	No. of participants attended	Outcome
1	FDP on CS2302 Computer Networks	29/05/2013 to 6/6/2013	25	Identify the components required to build different types of networks
2	Faculty development programme on "Digital Image Processing"	25-7-2013 to 31-7-2013	27	Apply image enhancement and restoration techniques.
3	Faculty Development Program on Research Perception on emerging areas of Computer Science	05-08-2013 to 11-08-2013	29	Articulate fundamental concepts, design underpinnings of computer/software/network systems, and research findings to train professionals or to educate engineering students.
4	Faculty Development Program on "Paradigm of Computing"-(PC'13)	02-12-2013 to 08-12-2013	28	Apply object-oriented, concurrency, and event handling programming constructs
5	Faculty Development Programme on Challenges and Issues in multimedia	02-12-2013 to 08-12-2013	30	Apply Illumination and color models, Apply clipping techniques to graphics and Design animation sequences.
6	FDP on" Network Technologies and Security"	04.05.2015 to 19.05.2015	30	Compare various Cryptographic Techniques and Design Secure applications
7	FDP on "Hands on Cloud and Big Data Analytics"	12.05.2015 to 25.05.2015	30	Apply grid computing techniques to solve large scale scientific problems, Apply the concept of virtualization and Use the grid and cloud tool kits.
8	Fourteen days FDP on Trends in Grid, Cloud and High Performance Computing	20.06.2016 to 03.07.2016	25	Compare the strengths and limitations of cloud computing , Identify the architecture, infrastructure and delivery models of cloud computing and Apply suitable virtualization concept.

2. Seminar Organised by the Department from academic year 2012 onwards

S.No.	Title	Duration (Date)	No.of participants attended	Outcome
1	Seminar on "EnterpriseComputing" –SEComp'13	19-10-2013 to 20-10-2013	125	Describe different approaches to integration enterprise applications and Analyze specifications and identify appropriate integration approaches.
2	The Seminar on "Software Testing – An Industrial Perspective	21-11-2013 to 22-11-2013	130	Identify applicatble measurements for the verification and validation effort.
3	Seminars on "Software as a service"	19.11.2014	60	Describe different approaches to testing software applications
4	Seminars on "Hands on-Android"	21.04.2015 to 22.04.2015	65	Deploy the location and context information for application development
5	Two days National level Seminar on "Cloud Computing: A Hands on approach	15.09.2016 to 16.09.2016	70	Address the core issues of cloud computing such as security, privacy and interoperability
6	Two days National level Seminar on Web Application Design & Development	11.08.2016 to 12.08.2016	80	Design and implement dynamic web page with validation using JavaScript objects and by applying different event handling mechanisms.
7	Two days Seminar on "Cloud Computing hands-on approach" on	15.09.2016 to 16.09.2016	120	Compare the strengths and limitations of cloud computing and Identify the architecture, infrastructure and delivery models of cloud computing.

3. Workshop Organised by the Department from academic year 2012 onwards

S.No.	Title	Duration (Date)	No.of participants attended	Outcome
1	Workshop on "Location Based Services"-(WLBS'13)	24-10-2013 to 25-10-2013	105	Choose the required functionality at each layer for given application
2	National Workshop on "Security in Web Applications"	26-10-2013 to 27-10-2013	125	Design Secure applications and Inject secure coding in the developed applications
3	Workshop on "Image and Pattern Recognition"	22.03.2014	80	Analyze color images and Implement image compression algorithms
4	Two days workshop on Python Language with Case Study (WPL'15)	08.08.2015 and 09.08.2015	20	Build and apply linear regression models.
5	Two days workshop on "Mobile and Web Services	12.02.2016 and 13.02.2016	86	Develop mobile computing applications based on the paradigm of context aware computing and wearable computing.
6	Two days workshop on"Mobile Application Development"	17.02.2016 and 18.02.2016	80	Describe the requirements for mobile applications and Explain the challenges in mobile application design and development.
7	Two days Industrial workshop on "Business Analytics Using R	02.09.2016 & 03.09.2016	118	Apply visualization techniques for various data analysis tasks.

4. Symposium Organised by the Department from academic year 2012 onwards

S.No.	Title	Duration (Date)	No.of participants attended	Outcome
1	National Level Technical Symposium on "PRAYUDDHA'14"	18/03/2014	120	Recognize the need for, and have the ability to engage in independent and life-long learning.
2	Two days National Level Symposium on "COMP'15"	29.01.2015 and 30.01.2015	136	An ability to share their IT knowledge and express their ideas in any technical forum
3	Two days Symposium on FENIX'16	03.03.2016 and 04.03.2016	85	An ability to present their ideas to prepare for a position to educate and guide others
4	Two days Symposium on "PRAYUDDHA'16	10.03.2016 and 11.03.2016	102	An ability to present their ideas to prepare for a position to educate and guide others
5	Two days National Level Technical Symposium NCCCT '16	11.08.2016 and 12.08.2016	85	To apply their basic knowledge in Mathematics, Science and Engineering and to expose to the recent Information Technologies to analyze and solve real world problems

5. National Conference Organised by the Department from academic year 2012 onwards

S.No.	Title	Duration (Date)	No.of participants attended	Outcome
1	National Conference Intelligent systems, Computing and Information Technology	04.04.2014 to 05.04.2014	60	An ability to apply knowledge of mathematics, science and information science in advance level.
2	National Conference Recent Inno vations in Information Technology NCRIIT'16	17.08.2016 & 18.08.2016	75	An ability to identify and modify the functions of the internals of information processing system
	National Conference on Communication and Computing Technology NCCCT' 16	11-08-2016 & 12-08-2016	65	To be competent in the IT segments and to bring out novel ideas by exploring the multiple solutions for the given problem.

6. International Conference Organised by the Department from academic year 2012 onwards

S.No.	Title	Duration (Date)	No.of participants attended	Outcome
1	IInternational Conference on Emerging Trends in Information Technology	09.03.2015 & 10.03.2015	60	Develop computer/software/network systems understanding the importance of social, business, technical, environmental, and human context in which the systems would work
2	Two days International Conference on "Computational Intelligence.	07.04.2015 and 08.04.2015	84	Understand and commit to professional ethics and responsibilities and norms of engineering practice

7. Value Added Courses Organised by the Department from academic year 2012 onwards

S.No.	Title	Duration (Date)	No.of participants attended	Outcome
1	Image Processing	26.09.2016 to 30.09.2016	60	Discuss digital image fundamentals
2	"Linux System Administration & Certification	01.10.2016 to 09.10.2016	60	

8. Equipments purchased from academic year 2012 onwards

S.No.	Item Name	Year of purchase	Amount (Rs.In lakhs)	Quantity
1	25KVA UPS	2013	7.5 lakhs	2
2	Firewall	2013	8 lakhs	1
3	WIFI Controller-01 &WIFI access point	2013	7.5 lakhs	
4	Network Switch-24&48	2013	7.5 lakhs	12
5	HP Laserjet Pro-400	2013	1.5 lakhs	5
6	Software Matlab	2013	6 lakhs	Pack
7	CISCO Components	2013	5.85 lakhs	Pack
8	Systems (Dell)	2013	45 lakhs	105
9	30 KVA with 30 batteries	2013	16 lakhs	4
10	IBM Rational Source Software	2013	2.5 lakhs	Pack
11	C Structure Networking	2016	9.25 lakhs	390 points
12	HP Server	2016	9 lakhs	4 Nos.
13	Smart class room	2016	78,000/-	
14	Server Room active component(progress)	2016	8.3 lakhs	3 Nos.

16. Other contribution (if any)

- Facilitating and coordinating campus-wide network communication infrastructure since 2012

- Member BOS (for UG/PG in faculty of ICE) – Anna University-Trichy during year 2007 to 2011

- Chairman BOS- Information Technology program – Bharathidasan University (from 2005 to 2008; Member from 2009-2011)

- Member – BOS from 2017 to 2019 – In PAAVAI Engineering College (Autonomous) –Univ. nominee

- Member of ACM (Association for Computing Machinery) since April 2010
  - Member of ISTE (since 2015)
  - Lifetime Member of Indian Mathematical Association
  - Member of IEEE (2016)
  - Member of CSI (2016)