

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

Curriculum Vitae



Brief Profile: 1-2 paragraphs (not exceeding 500 words)

1. Name: Dr. P.J.A. ALPHONSE
2. Designation: ASSOCIATE PROFESSOR
3. Office Address: Dept. of Computer Applications
4. Telephone (Direct) (Optional):
Telephone : _____ Extn (Optional): _____
Mobile (Optional): 9942402999
5. Email (Primary): **alphonse@nitt.edu** Email (Secondary) :

6. Field(s) of Specialization: Graph and their Algorithms, Information Security, Wireless Networks.

7. Employment Profile

Job Title	Employer	From	To
Research /Teaching Associate	National Institute of Technology, Tiruchirappalli	26-06-1998	17-01-2000
Lecturer	National Institute of Technology, Tiruchirappalli	18-01-2000	13-02-2004
Assistant Professor(AGP7000)	National Institute of Technology, Tiruchirappalli	14-02-2004	30-06-2009
Assistant Professor(AGP8000)	National Institute of Technology, Tiruchirappalli	01-07-2009 -	30-06-2009 to till date
Associate Professor(AGP9000)	National Institute of Technology, Tiruchirappalli	01-07-2012	to till date

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8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Division/ Grade	Subjects
Ph.D	NIT, Trichy	Mathematics & Computer Science	
M.Phil	Aditanar college, Thiruchendhur	First Class	Mathematics
M.Tech	IIT, Delhi	First Class	Computer Science
M.C.A	Madurai Kamaraj University	First Class	Computer Applications
M.Sc	St.Xavier's College, Palayamkottai	First Class	Mathematics
B.Tech	SRM University, Chennai	First Class	Electronics and Communication Engineering
B.Sc.,	St.Xavier's College, Palayamkottai	First Class	Mathematics

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Associate Dean (student Welfare)	Student Welfare	October 2012	January 2016
Sports Convener	Physical Education	September 2010	January 2016
NSS officer	Institute	2005	2006
Staff Advisor for Pragyan	Institute	2006	
Staff Advisor for Pragyan	Institute	2013	
Staff in-charge for cultural committee for Festember	Institute	2006	
Staff Advisor for Nittfest		2013	

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Overall coordinator for Inter NIT Sport Meet	Institute	2012	2013
Associate Dean (student Welfare)	Physical Education	October 2012	January 2016
MIS committee	Student Welfare	2011	
Stock verification committee	Institute	2003	2006
Investigation officer	Institute	2005	
Sports committee member	Computer Applications	2002	Till date
Convocation committee	Physical Education	2006,2011	
Prizes committee in charge for sports day celebration	Institute		
Purchase committee	Physical Education		
Sports day celebration	Institute		
College day celebration	Physical Education		
Festember, Pragyan, NITFEST	Institute	2012	2016
NIMCET coordinator.	Institute		
PAC chairman	Institute	2005	2011

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10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
AIEEE coordinator	Tamil Nadu , Karnataka	2004	2006
staff in charge in various Inter NIT sports meet	NIT warrangal-2005, NIT rourkela-2006, NIT Nagpur-2006, ITBHU-2009, BIT-2011		

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work

- (i) Curriculum Development
- (ii) Courses taught at Postgraduate and Undergraduate levels
- (iii) Projects guided at Postgraduate level
- (iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
Dr. V.Sangeetha	Distance Closed sets, Dominating sets and their	Co-Supervisor	2014

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	related structures		
Dr. Arthur A. Shaw	Data Mining in Game theory	Co-Supervisor	2013

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Frontier Applied Computer Technology (FACT)	National Conference	2012	Organizer Secretary	NIT Trichy
Frontier Applied Computer Technology (FACT)	National Conference	2013	Organizer Secretary	NIT Trichy
Frontier Applied Computer Technology (FACT)	National Conference	2014	Convener	NIT Trichy
Frontier Applied Computer Technology (FACT)	National Conference	2016	Organizer Secretary	NIT Trichy
ICRECT	International Conference	2016	General Chair	NIT Trichy

18. Invited Talks delivered

Topic	Date	Inviting Organization

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19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life member	ISTE	
Life member	ISC	

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Switzerland	2011	International Conference
Las Vegas	2013	International Conference

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
T.N. Janakiraman, and P.J.A. Alphonse	<i>Weak Convex Domination in Graphs</i>	International Journal of Engineering Science, Advanced Computing and	Vol.1	1-13	2010	

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		Bio-Technology				
T.N. Janakiraman, and P.J.A. Alphonse	<i>Acyclic Weak Convex Domination in Graphs,</i>	International Journal of Engineering Science, Advanced Computing and Bio-Technology	Vol.1	43-54	2010	
T.N. Janakiraman, and P.J.A. Alphonse	<i>Odd and even Weak Convex Domination in Graphs</i>	International Journal of Mathematics and Engineering with Computers	Vol.1	53-58.	2010	
T.N. Janakiraman, and P.J.A. Alphonse	<i>Even Weak Convex Restrained Domination in Graphs</i>	International Journal of Mathematics and Engineering with Computers	Vol.1	59-64	2010	
T.N. Janakiraman, and P.J.A. Alphonse	<i>Acyclic Weak Convex Domination critical Graphs</i>	International Journal of Engineering Science, Advanced Computing and Bio-Technology.	Vol.1	71-79.	2010	
T.N. Janakiraman, P.J.A. Alphonse and V. Sangeetha	<i>Distance closed domination in graph</i>	International Journal of Engineering Science, Advanced Computing and Bio-Technology.	Vol.1	109 - 117.	2010	
T.N. Janakiraman, and P.J.A. Alphonse	<i>Odd and Even Weak Convex Critical Graph and Domatic partition of</i>	International Journal of Engineering Science, Advanced Computing and Bio-	Vol.1	102-108	2010	

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	<i>Graphs</i>	Technology				
T.N. Janakiraman, and P.J.A. Alphonse	<i>Even Distance Closed Domination in Graph Acyclic</i>	International Journal of Engineering Science, Advanced Computing and Bio-Technology.	Vol.1	183-190	2010	
T.N. Janakiraman, and P.J.A. Alphonse	<i>Weak Convex Restrained Domination in Graphs</i>	International Journal of Engineering Science, Advanced Computing and Bio-Technology	Vol.2	1-10	2011	
T.N. Janakiraman, P.J.A.Alphonse and V.Sangeetha	<i>Acyclic Distance Closed Domination In Graph</i>	International Journal of Engineering Science, Advanced Computing and Bio-Technology.	Vol.2	47 - 56	2011	
T.N. Janakiraman, P.J.A.Alphonse and V.Sangeetha	<i>Distance Closed Restrained Domination in Graph</i>	International Journal of Engineering Science, Advanced Computing and Bio-Technology	Vol.2	57 - 65	2011	
T.N. Janakiraman, P.J.A.Alphonse and V.Sangeetha	<i>Structural Properties of k-Distance Closed Domination Critical Graphs for k = 3 and 4</i>	International Journal of Engineering Science, Advanced Computing and Bio-Technology.	Vol.2	150 - 161.	2011	
R. Ponalagusamy, P. J. A. Alphonse and M. Chandru	<i>Development of new Fifth-Order Fifth-Stage Runge Kutta Method based on</i>	International Journal of Engineering Science, Advanced Computing and	Vol.2	162 - 197	2011	

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	<i>Heronian Mean</i>	Bio-Technology.				
T.N. Janakiraman, P.J.A.Alphonse and V.Sangeetha	<i>Structural Properties of k-Distance Closed Domination Critical Graphs for k = 5 and 6</i>	International Journal of Engineering Science, Advanced Computing and Bio-Technology	Vol.3	1 - 14.	2012	
T.N. Janakiraman, P.J.A.Alphonse and V.Sangeetha	<i>Changing and Unchanging of Distance Closed Domination Number in Graphs</i>	International Journal of Engineering Science, Advanced Computing and Bio-Technology	Vol.3	67 - 84.	2012	
T.N. Janakiraman, and P.J.A. Alphonse	<i>Critical Concept in Strong Convex Dominating Set of Graphs</i>	International Journal of Engineering Science, Advanced Computing and Bio-Technology.	Vol.3	152-162.	2012	
P.J.A.Alphonse, S.Kavitha and M.Barani	<i>A Comparative Study of Elliptic Curve Cryptography Methods</i>	International Journal Of Advanced Computational Engineering And Networking	Vol.3 & Issues, 7	1-4	2015	
P.J.A.Alphonse, S.Kavitha and G.Saravanapriya	<i>A Comparative Study of Ecc Methods for Better Level of Security</i>	International Journal of Advances In Electronics And Computer Science	Vol. 2 & Issues 8	67-69	2015	
C.SivaRaj, P.J.A.Alphonse and T.N.Janakiraman	<i>An Energy Efficient Layered Clustering Algorithm for Routing In Wireless Sensor</i>	Submitted to “The Computer Network-Oxford Publications				

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	<i>Networks</i>					
P.J.A.Alphonse and Y.Venkatramana Reddy	<i>An Efficient Scalable Group Key Agreement For Wireless Ad-Hoc Networks</i>	<i>submitted to "International Journal Of Communication Systems".</i>				
P.J.A.Alphonse and Y.Venkatramana Reddy	<i>A Method For Obtaining Efficient And Scalable Group Key for Wireless Sensor Networks Deployed For IOT Applications</i>	<i>Submitted to" Journal of Information Science and Engineering".</i>				

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
T.N. Janakiraman, and P.J.A.Alphonse	Strong Convex Dominating Sets in Graphs	Recent Researches in Applied Mathematics and Informatics	11-14.		Montreux, Switzerland, December 29-31	2011
R.Ponalagusamy, P.J.A. Alphonse, M. Chandru	New Algorithm of Fifth-Order Heronian Mean Runge Kutta Method	International conference on Recent Researches in Applied Mathematics and Informatics	67- 72.		Montreux, Switzerland, December 29-31	2011
P.J.A.Alphonse and T.N. Janakiraman	Weak Convex Restrained Domination Critical	The 9 th International Conference on Foundations	51-58.		Las Vegas, USA	2013

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	Graphs	of Computer Science				
S.Kavitha and P.J.A.Alphonse	Avoiding Inverse Problem Using Imaginary Field in Burnside Curve	International Conference on Research in Engineering, Computers and Technology	227-230.			2016
C.Sivaraj, P.J.A.Alphonse And T.N.Janakiraman	An Energy Efficient Fault Tolerance Nested Clustering Algorithm For Routing in Wireless Sensor Networks	10 th International Conference on Intelligent System and Control	Vol.2 ,745-750.			2016
P.J.A.Alphonse and Y.Venkatramana Reddy	Efficient And Scalable Group Key Agreement For Wireless Sensor Networks Deployed For IOT Applications	International Conference on Research in Engineering, Computers and Technology	73-76.			2016
P.J.A.Alphonse, C.Sivaraj, And T.N.Janakiraman,	A Grid Based Clustering Algorithm for Large Scale Wireless Sensor Networks”	Internation Conference on Research in Engineering, Computers and Technology	Vol.1, 157-161.			2016

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
P.J.A.Alphonse	Discrete Mathematics	Shanmugapriya		

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		Publishers.		