

# Government Arts and Science College Kanyakumari – 629 401

## FACULTY PROFILE

**Department: Computer Applications**

1. Name : Dr. A. FERDINAND CHRISTOPHER
2. Father's Name : Mr. V. ALXANDER
3. Designation : Assistant Professor (Temp)
4. Age and Date of Birth : 45 (27/07/1977)
5. Gender : Male
6. Address for Communication: 23/119, SELVAGAM,  
PEYANKUZHI AND POST,  
KANNYAKUMARI DIST. PIN: 629809

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**7. Educational Qualification :**

S.No.	Course	University/College	Year of Passing
1	B.Sc.,	MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNLVELI	1997
2	M.C. A.,	MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNLVELI	2000
3	M. Phil.,	MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNLVELI	2003
4	ME (CSE)	ANNA UNIVERSITY, CHENNAI	2007
5	SET	BHARATHIAR UNIVERSITY, TAMILNADU	2012
6	Ph.D.,	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION, KUMARACOIL	2015
7	NET	UNIVERSITY GTANTS COMMISSION	2019



**8. Area of Specialization: Mobile Communication.****9. Experience:**

<b>S.No.</b>	<b>Name of Organisation</b>	<b>From</b>	<b>To</b>	<b>Years of Experience</b>
1.	ST. JUDE'S COLLEGE, THOOTHOR	7/8/2000	3/1/2007	7
2.	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION, KUMARACOIL	4/1/2007	30/5/2017	10.5
3.	ST. ALPHONSA COLLEGE OF ARTS AND SCIENCE	1/6/2017	23/6/2018	1
4.	ERSTWHILE MS UNIVERSITY CONSTITUENT COLLEGE, KANNYAKUMARI PRESENT GOVERNMENT ARTS AND SCIENCE COLLEGE, KANNYAKUMARI	25/6/2018	TILL DATE	5

**10. Publications:**

<b>S.No.</b>	<b>Title</b>	<b>Name of the Journal</b>	<b>ISSN / ISBN</b>	<b>Year</b>
1.	A Novel Authentication Approach	IETECH Journal of Communication Techniques	0973-8053	2008
2.	Innovation in Availing Automated Services	NICE Journal of Emerging Technology	0973- 2993	2008
3.	“Intelligent Congestion Aware Media Independent Handover for the 4G Heterogeneous Wireless Network	International Journal of Soft Computing	2229 - 7103	2012
4.	A Novel Congestion based Approach for Vertical Handover	International Journal of Latest Trends in Engineering and Technology	2319-3778	2013

5.	Vertical Handoff and Data Recovery using Temporary and Permanent Checkpoints in 4G Heterogeneous Wireless Networks	European Journal of Scientific Research	1450202X	2013
6.	User Data Rate Based Vertical Handoff in 4G Wireless Networks	Journal of Theoretical and Applied Information Technology	1992-8645	2013
7.	Vertical Handoff and Admission Control Strategy in 4G Wireless Network Using Centrality Graph Theory	Research Journal of Applied Sciences, Engineering and Technology	2040-7459	2014
8.	An Outline on Trajectory Data Mining	International Journal of Applied Engineering Research	0973-4562	2015
9.	A Study on Different Pre-Processing Techniques for Foggy or Hazy Image Filtration	International Journal of Control Theory and Applications	0974-5572	2016
10.	Hazy Video De-Noising Using an Enhanced Visibility Restoration Technique	Man in India	0025-1569	2017
11.	An Improved Haze Removal Method for the Application of Geographical Data Analysis	Pakistan Journal of Biotechnology	1812-1837	2018
12.	An Enhanced Image Dehazing Method for the Application in Urban Computing	Journal of Computational & Theoretical Nano-science	1546-1955	2019

13.	Accurate Center of Gravity Measurement for Aerospace Components	Advances in Automation, Signal Processing, Instrumentation, and Control (Book Chapter) Publisher: Springer Singapore	978-981-15-8221-9	2021
14.	Prediction of Failed Sensor Data Using Deep Learning Techniques for Space Applications	Wireless Personal Communications Springer International Journal	0929-6212	2023

**11. Paper Presented/Published in Conferences/ Seminar :**

<b>S. No.</b>	<b>Title</b>	<b>Institution</b>	<b>Date &amp; Year</b>
1.	Enhancing Network Security – An innovative approach to defend attacks in global networks	Sri Ramakrishna college of Engineering, Coimbatore	2006
2.	An Innovative Approach for Authentication”, Proceedings, Indian Conference on Intelligent Systems	DMI college of Engineering	2007
3.	Authentication using Mobile Device and Concealing of Credentials	Noorul Islam College of Engineering, Kumaracoil	2007
4.	Secured Wireless Authentication	SCAD college of Engineering	2008
5.	Effective Multicasting In Mobile Adhoc Networks	St.Xavier’s catholic college of Engineering	2008

6.	Distributed Group Communication In Mobile Adhoc Networks	Noorul Islam College of Engineering	2008
7.	Effective Group Communication In Mobile Ad Hoc Networks	Noorul Islam College of Engineering	2008
8.	Securing secret information in a mobile self-authentication device	Noorul Islam College of Engineering	2008
9.	Group Communication Using Mobile Agents	Noorul Islam College of Engineering	2008
10.	Vertical Handoff And Data Recovery Scheme For The 4G Wireless Networks Using RSS And Congestion	St. Xavier's Catholic College of Engineering, Chunkankadai	2013
11.	Reducing Vertical Handover Latency By Performing Automatic Handover In Low Congestion	St. Xavier's Catholic College of Engineering, Chunkankadai	2013
12.	Efficient Vertical Handovers with QoS and Failure Management	Noorul Islam Centre for Higher Education, Kumaracoil	July 2014
13.	A study on different dark channel prior based image dehazing methods	Subramanya College of Arts and Science, Palani	March 2017
14.	Automated Testing for Launch Vehicle Instrumentation	Fourteenth IEEE International Conference on Information Processing (ICINPRO)	2018
15.	Vibration Monitoring and Analysis of Sophisticated Items Transported by Road	Ieee International Conference On Sensors And Nanotechnology 2019 (Ieee Sensors And Nano 2019), Malaysia	2019

**12. Seminar / Conference / workshop / Attended:**

<b>S.No.</b>	<b>Institution</b>	<b>Date &amp; Year</b>
1.	International Conference on “Emerging Adaptive System and Technologies(EAST) 2005”, held at Noorul Islam College of Engineering	2005
2.	National Conference on “Recent Advancement in Computing” , organized by Dept. of Computer Applications, Sri Ramakrishna College of Engineering Coimbatore	2006
3.	One day course on First Aid and Emergency Care held at Noorul Islam College of Engineering, Kumaracoil.	2006
4.	Indian Conference on Intelligent systems, organized by Dept. of CSE, DMI College of Engineering, Chennai	2007
5.	International Conference on “Emerging Adaptive System and Technologies(EAST) 2007”, held at Noorul Islam College of Engineering	2007
6.	National Conference on “Advances And Challenges In Multimedia Communication”, organized by Dept. of CSE, Noorul Islam College of Engineering	2007
7.	National Conference on Computing Technology held at SCAD College of Engineering, Cheranmahadevi.	2008
8.	One day National Workshop on NS2 organised by the Dept. of IT and IET – UK student chapter held at Noorl Islam College of Engineering.	2008
9.	National Conference on Networks, Image and Security organized by Dept of IT & IET –UK, YMS Chennai network, held at Noorul Islam College of Engineering.	2008
10.	National Conference on Internet and multimedia communication, organized by Dept of CSE, Noorul Islam College of Engineering.	2008
11.	Two weeks AICTE sponsored Staff Development programme on “Computer Algorithms and Complexity” organised by the	2009

	Dept. of Mathematics, Noorl Islam College of Engineering.	
12.	One day workshop on SOA and Webservices, organised by the Dept. of Computer Applications, Mepco Schlenk College of Engineering.	2009
13.	One day workshop on Image Processing, organized by the Dept. of Computer Applications, Noorul Islam College of Engineering.	2010
14.	Eight days training program on .NET Programming conducted by the ICT Academy of Tamilnadu.	2010
15.	Three days training program on Datastructures using C conducted by the ICT Academy of Tamilnadu at Vikram college of Engineering, Enathi.	2011
16.	One day workshop on Infosys Foundation Program conducted by NICHE faculty who were trained by Infosys.	2011
17.	Alumni meet conducted by Noorul Islam University.	2011
18.	One day workshop on Image Processing using MATLAB organized by department of Computer Applications, Noorul Islam University.	2011
19.	Two day ISTE workshop on Aakash for Education conducted by Indian Institute of Technology Bombay	2012
20	One day workshop on MULTIMEDIA organized by the Department of Computer Applications, Noorul Islam University.	2012
21.	One day workshop on Research Project Writing held at Noorul Islam University, Kumaracoil.	2012
22.	One day National Conference, “ Gliders in National Electrical and Electronics Innovative Conference” organized by the Department of Electrical and Electronics Engineering, St. Xavier’s Catholic College of Engineering, Nagercoil.	2013

23.	One day National Conference, “Computing Intelligence and Applications” organized by the Department of Computer Applications, St. Xavier’s Catholic College of Engineering, Nagercoil.	2013
24.	One day Workshop on Animation, organized by the Department of Computer Applications Noorul Islam University, Kumaracoil.	2013
25.	Two days International Conference on Control Instrumentation Communication and Computational Technologies held at Noorul Islam Centre for Higher Education.	2014
26.	Worked as Technical Reviewer for the Two days International Conference on Control Instrumentation Communication and Computational Technologies held at Noorul Islam Centre for Higher Education.	2014
27.	Worked as Technical Co-chair for the Two days International Conference on Control Instrumentation Communication and Computational Technologies held at Noorul Islam Centre for Higher Education.	2014
28.	One day workshop on ANDROID organized by the Department of Computer Applications, Noorul Islam University.	2015
29.	Three day faculty orientation program on Academic Monitoring of students held at St. Alphonsa college of Arts and Science, Karinkal.	14 <sup>th</sup> to 16 <sup>th</sup> June 2018
30.	One day workshop on Moocs through Swayam held at Manonmaniam sundaranar university Tirunelveli.	19 <sup>th</sup> November 2018
31	One week FDP on Digital Learning & Teaching based on Four – Quadrant strategy conducted by Manonmaniam Sundaranar university, Tirunelveli.	22 <sup>nd</sup> to 28 <sup>th</sup> July 2020

### 13. Details of Research Projects :

Title	Sponsoring Agency	Amount	Responsibility



#### 14.Ph.D Guidance/Supervisorship

Name of scholar	Course	Area of research	Status
Anju J Prakash	Ph.D(CSE)	Image processing	Completed
Renjith Das	Ph.D(CS)	Sensor networks	Pursuing

#### 15. Seminar/ Conference/ Workshop Organised:

S. No.	Topic	Institution	Date

#### 16.Resource Person:

Sl.No.	Topic	Delivered at	Period
1.	Workshop on “Animation”	Department of Computer Applications, Noorul Islam Centre for Higher Education, Kumaracoil	22 <sup>nd</sup> February 2013
2.	“Employability Skills Training Programme” for Students	Noorul Islam Centre for Higher Education, Kumaracoil	13 <sup>th</sup> August 2015
3.	4G Mobile Networks” in the Technical session which is a part of the National level Technical symposium	Department of Computer Science, Annai Velankanni College, Tholayavattam	27 <sup>th</sup> January 2016
4.	Technical talk on recent trends in computer science.	Ruban College of Arts and Science, Thadikkarankonam	9 <sup>th</sup> August 2017
5.	Resource person and Chief guest for the technical symposium	Infant Jesus College of Arts and Science for woman	27 <sup>th</sup> Septmber 2019

## **17. Members in Organization's :**

- Worked as NSS programme officer while working in St. Jude's college, Thoothoor.
- Presently working as the college Nodal Officer for AISHE PORTAL.
- Presently working as the college Nodal Officer for NATIONAL SCHOLARSHIP PORTAL.

## **18. Other Achievements :**

- Worked as Technical Reviewer for the two days International Conference on Control Instrumentation Communication and Computational Technologies held at Noorul Islam Centre for Higher Education.
- Worked as Technical Co-chair for the Two days International Conference on Control Instrumentation Communication and Computational Technologies held at Noorul Islam Centre for Higher Education.
- Winner of Fun games event held in the sports meet from 2<sup>nd</sup> to 3<sup>rd</sup> February 2018 at St. Alphonsa College of Arts and Science, Karingal.
- Runner in Bike Slow Race held in the sports meet from 2<sup>nd</sup> to 3<sup>rd</sup> February 2018 at St. Alphonsa College of Arts and Science, Karingal.

**Signature.**  
**(Dr. A. Ferdinand Christopher)**