

**Dr. A.INDHUMATHI, M.Sc., M.Phil., PGDCA, Ph.D**

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**EDUCATIONAL BACKGROUND:**

<b>S.No.</b>	<b>Qualification</b>		<b>Institute/ University</b>	<b>Major Subject</b>	<b>Year of Pass</b>	<b>% of marks/ CGPA</b>
<b>1</b>	<b>U.G.</b>	<b>B.Sc</b>	<b>Madurai Kamaraj University</b>	<b>Mathematics</b>	<b>1999</b>	<b>86% First class with distinction</b>
<b>2</b>	<b>P.G.</b>	<b>M.Sc</b>	<b>Madurai Kamaraj University</b>	<b>Mathematics</b>	<b>2001</b>	<b>90% First class with distinction</b>
<b>3</b>		<b>M.Phil</b>	<b>Madurai Kamaraj University</b>	<b>Mathematics</b>	<b>2002</b>	<b>First class</b>
<b>4</b>	<b>PGDCA</b>		<b>Madurai Kamaraj University</b>	<b>2001</b>		<b>First class</b>
<b>5</b>	<b>Ph.D</b>		<b>Bharathidasan University</b>	<b>October 2017</b>		
<b>6</b>	<b>State Eligibility Test (SET)</b>		<b>Mother Teresa University</b>	<b>2017</b>		

**AREA OF INTEREST : OPERATIONS RESEARCH AND GRAPH THEORY.**

**Total Years of Teaching experience : 22 Years**

S.No.	Name of the Employer	Date of		Years of experience
		Joining	Leaving	
1	DRBCCC Hindu College	03.8.2020	Till date	4
2	Panimalar Engineering College	10.06.2016	30.04.2020	4 years
3	R.M.K.College of Engineering and Technology, Puduvoyal 601 206	05.05.2008	30.4.2016	8 years
4	St.Peters Engg.college, Avadi, Chennai 54	17.6.2005	30.4.2008	3 years
5	Sethu Institute of Technology, Kariapatti, Virudhunagar.	5.12.2002	30.4.2005	2.5 years

### LIST OF PUBLICATIONS

1. Performance Analysis Of Shortest Path Energy Efficient Routing Protocol In Wireless Sensor Networks Using NSRS Algorithm. Int.J.Computer Technology & Applications, IJCTA. Nov-Dec 2012 ISSN:2229-6093.
2. Optimal Path Selection On Tora Algorithm Using Quadratic Assignment Techniques In WSN. International Journal of Emerging Technology and Advanced Engineering. ISSN : 2250-2459 . July 2014.
3. Maximizing The Lifetime Of Multipath Routing Energy Efficiency By EQGOR Protocol Using Quadratic Assignment Techniques In Wsn . International Journal Of Advanced Technology In Engineering And Science. ISSN : 2348 – 7550,October 2014.
4. A Study On Quadratic Assignment Problem And Its Applications. International Journal of Mathematical Archive-6(4), 2015, ISSN 2229 – 5046.
5. An Autonomous Intelligent Gateway For Mobile Nodes Using Quadratic Assignment Techniques In Wireless Sensor Networks. A Elixir Appl. Math. 84 (2015), (ISSN 2229-712X).
6. A Study On Quadratic Assignment Problem In Wireless Sensor Networks, International Journal of Latest Trends in Engineering and Technology (IJLTET). ISSN: 2278-621X.
7. Detection Of Optimal Path Using Quadratic Assignment Technique In Wireless Sensor Networks , International Journal of Application or Innovation in Engineering & Management (IJAIEM). ISSN 2319 - 4847.
8. Comparison Of Different Routing Protocols Using Quadratic Assignment Techniques In Wireless Sensor Networks, International Journal of Mathematics Trends and Technology (IJMTT). ISSN:2231-5373.

### WORKSHOPS/FDP/SEMINAR ATTENDED

- FDP on Probability and Random Processes at Arulmigu Kalasalingam Engineering College in 2003.
- Honoured with Membership of MAX Academy thro' Innovative Educational Skills. In the year 2008.
- One day International Workshop on “Decision making and Optimization” at IIT, Chennai on sep 7, 2012.

- Participated in “Ramanujan Mathematics Awareness Programme “ conducted by RMK college of Engineering and technology on 25<sup>th</sup> February 2013.
- FDP on Mathematics conducted on 23,24 June 2014 at Anna university, Chennai.
- One day National Seminar on “Innovative Techniques to control Nuclear Hazard in various fields” conducted at RMKCET ON 23 February 2015.
- COMPLETED NPTEL COURSE ON “ ADVANCED GRAPH THEORY” securing **89%**.

## **PROFESSIONAL MEMBERSHIP**

- Life Member in Indian Society for Technical Education (ISTE).  
(Membership No.: LM 95654 and year: 2014).
- Life Member in International Society for Research and Development(ISRD).  
(Membership No.: F3140900855 and year: 2018).