

Dr. DELMAN A | Resume

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Objective

Intend to work with groups and lead a team with my leadership skills and seeking a position to utilize my skills and professional growth. I will be innovative and flexible.

Academic Experience

Assistant Professor <i>Department of Mathematics</i>	K. Ramakrishnan College of Engineering & Tech, Tiruchirappalli <i>Jul 2018 – May 2019</i>
Assistant Professor <i>Department of Mathematics</i>	St. Joseph's College, Tiruchirappalli <i>Jun 2019 – Aug 2020</i>
Assistant Professor <i>Department of Mathematics</i>	Arul Anandar College, Madurai <i>Sep 2020 – Jul 2021</i>
Assistant Professor <i>Department of Mathematics</i>	St. Xavier's College, Tirunelveli <i>Aug 2021 – June 2022</i>
Assistant Professor <i>Department of Mathematics</i>	St. Joseph's College, Trichy <i>June 2022 – till date</i>

Academia

Ph.D., <i>St. Joseph's College, Affiliated by Bharathidasan University, Tiruchirappalli,</i>	<i>Jan 2015 – Dec 2017</i>
M.Sc., <i>St. Joseph's College, Affiliated by Bharathidasan University, Tiruchirappalli,</i>	<i>June 2012 – May 2014</i>
B.Sc., <i>St. Joseph's College, Affiliated by Bharathidasan University, Tiruchirappalli,</i>	<i>June 2009 – May 2012</i>

Ph.D. Thesis

Title : LABELING OF GRAPHS

Supervisor : Dr. S. Koilraj,
Associate Professor,
Department of Mathematics,
St. Joseph's College, Tiruchirappalli.

Summary : The thesis mainly focused on edge antimagic vertex labeling, super edge antimagic total labeling, super edge antimagic vertex labeling, super edge magic total labeling, radio labeling with applications, neighbourhood prime graph, SD prime cordial and k - SD prime cordial labeling is introduced.

Title : BIOMETRICALLY ACTIVATED SELF DEFENSE DEVICE FOR WOMEN SAFETY

Application No : 201941043621

Date of Publish : 01-11-2019

Summary : The present invention discloses a wearable personal self-defense and altering device, wherein the device comprising a biometric unit, wherein the biometric unit is used to identify an authentic user of the device; an portable source of electrical energy , wherein an electric discharge unit configured to receive an electric current from the electrical source and emit an electric shock to a human being or other animal; and a processing unit to identify the authentic user of the device by processing signal of biometric signal and on the request or the instruction of the user by an switching unit , activate the electric discharge unit to discharge the electric shock to the human being or other animal, and send a signal to an mobile computing device, wherein the mobile computing device is configured to send the navigation information and an alert message to at least one associated external mobile computing device

Url : <https://ipindiaservices.gov.in/PublicSearch.aspxerrorpath=/PatentSearch/PatentSearch/ViewApplicationStatus>

Published Papers

1. A. Delman and S. Koilraj, Super Edge - Antimagic Total Labeling of Fully Generalized Extended Tree, International Journal of Scientific and Innovative Mathematical Research, Volume 3, Issue 11, November 2015, PP 28-35. **(UGC approved list)**
2. A. Delman and S. Koilraj, SEAV and SEMT Labeling for PV B- Tree, International Journal of Innovative Science, Engineering & Technology, Vol. 4 Issue 7, July 2017, PP 97 - 101. **(UGC approved list)**
3. A. Delman, S. Koilraj and P. Lawrence Rozario Raj, SD - prime cordial labeling of graphs, International Journal of Mathematics & Its Applications, Vol. 6 (I - A), 2018, PP 107-114. **(UGC approved list)**
4. A. Delman and S. Koilraj Neighbourhood prime labeling of some special graphs, International Journal of Pure and Applied Mathematics. Vol 120, No 4 (2018), PP 601-607 **(Scopus Indexed & UGC approved list)**
5. A. Delman, S. Koilraj and P. Lawrence Rozario Raj, SD and k – SD prime cordial graphs, Intern. J. Fuzzy Mathematical Archive Vol. 15, No. 2, 2018, 189-195 **(UGC approved list)**
6. A. Delman and P. Lawrence Rozario Raj, k – SD prime cordial disconnected graphs, Journal of Applied Science and Computations, Vol . No VI, No . 3, March 2019 **(UGC approved list)**

Communicated Papers

1. Delman, S. Koilraj and P. Lawrence Rozario Raj, k - SD Prime Cordial Labeling of Graphs. International Journal of Pure and Applied Mathematics

Presented Papers in National and International Conferences

1. A. Delman and S. Koilraj, Radio Number for PV B - Tree, Proceedings of 4th National Conference On Frontiers In Applied Sciences and Computer Technology (FACT 2016), National Institute of Technology, Tiruchirappalli, Date 18-19 March 2016. **(Best Paper Award)**

2. A. Delman, S. Koilraj, A. Dalwin Vinoth Kumar and L. Arokiam Optimal router positioning radio labeling for internet of things using closed web graph, A Two-Day National Conference On Transforming Technology, Srimad Andavan Arts and Science College, Tiruchirappalli, Date 24-25 January 2018.
3. A. Delman and S. Koilraj SD and k - SD prime cordial graphs, UGC Sponsored One Day International Seminar on Algebra and Applied mathematics (ISOAAM 2018), Hajee Karutha Rowther Howdia College, Theni, Date 11 January 2018.
4. A. Delman and P. Lawrence Rozario Raj, k – SD prime cordial disconnected graphs, One Day International Conference on Modern Trends in Mathematics, ICMTM – 2018, Hajee Karutha Rowther Howdia College, Theni, Date 10 sep 2018.
5. A. Delman, S. Koilraj and P. Lawrence Rozario Raj, Neighbourhood rime Labeling For Some New Families of Graphs, International Conference on Computational And Applicable Mathematics (Iccam - 2019), The Quaide Milleth College For Men, Chennai, Date 06 sep 2019

Conference/Workshop Attended

1. Participated in UGC Sponsored National Conference on Discrete Mathematics (NCDM) – 2015, St. Joseph's College, Trichy, Date 9-10 Jan 2015
2. Participated in National Conference on Advancements in Mathematical Sciences (NCAMS 2016), St. Joseph's College, Trichy, Date 7-8 Jan 2016
3. Participated in National Workshop on Analysis and Algebra, St. Joseph's College, Trichy, Date 26th Feb to 2nd Mar 2018
4. Participated in Faculty in Universities / Colleges / Institutes of Higher Education, Teaching Learning Centre, Ramanujan College from 20-06-2022 to 19-07-2022
5. Participated in Course Design Matrix, St. Joseph's College, Trichy on 25-01-2023
6. Participated in National Workshop on Mathematical Tools - Matlab Mathematica, VIT Chennai, 30-01-2023
7. Participated in LOCF- A Reformative Roadmap Towards Excellence, St. Joseph's College, Trichy on 20-02-2023
8. Participated in Faculty Development Programme in Mathematics, St. Joseph's College, Trichy on 11-03-2023
9. Participated in Mathematics In Real Applied and Computational Domains, Sathyabama Institute of science and Technology, Chennai on 03-07-2023
10. Participated in Recent Advances in Applied Mathematics, Sri Manakula Vinayagar Engineering College, Puducherry on 04-09-2023
11. Participated in Intricacies of writing for research publications and projects, St. Joseph's College, Trichy on 27-10-2023
12. Participated in Patents and Consultancy, St. Joseph's College, Trichy on 20-11-2023
13. Participated in Academic Research in Science, St. Joseph's College, Trichy on 09-12-2023

Area of Interest

- Graph Theory
- Real Analysis
- Algebra
- Calculus

Personal Details

Date of Birth : 14/05/1992

Gender : Male

Father's Name : Anthuvan Lawrence. A

Mother's Name : Josephine. K.S.

Nationality : Indian

References

1. **Dr. S. Koilraj** M.Sc., M.Phil., Ph.D.,
Associate Professor,
Department of Mathematics,
St. Joseph's College, Tiruchirapalli-2.
E-mail: koilrajsjc@gmail.com
2. **Dr. Nismon Rio** M.Sc., M.Phil., Ph.D.,
Assistant Professor,
Department of Computer Science,
Christ University, Bangalore.
E-mail: nismonriocs@gmail.com

Declaration

I assure that the details furnished above are true to the best of my knowledge.

Date : September 11, 2024

Place: Trichy

Yours sincerely

(Dr. A. Delman)