Name: I. JUSTIN SOPHIA

Profile



Gender: **Female** DOB: **04 – 07 – 1982 Qualification:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Degree / Diploma** | **Subject** | **Name of the College / University** | **Year of Passing** |
| 1. | Ph.D | COMPUTER SCIENCE | MADRAS UNIVERSITY | 2022 |
| 2. | M. Phil. | COMPUTER SCIENCE | BHARATHIDASAN UNIVERSITY | 2008 |
| 3. | PG – M.Sc. | COMPUTER SCIENCE | ST.JOSEPH’S COLLEGE | 2006 |
| 4. | UG – B.Sc. | COMPUTERSCIENCE | ST.MARY’S COLLEGE | 2004 |
| 5. | **D.C.A(**Diploma inComputer Application**)** | V.B, FoxPro | LIBA | 2000 |

**Self-Supporting**

Department: **COMPUTER SCIENCE** ID No: **CSC 62**

**Total Teaching Experience at Loyola:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Department** | **Category** | **From – To (Period)** |
| **1.** | **Computer Science** | **SS** | **JUNE 2007-till date** |
| Teaching Experience (in Loyola) : | **15+years** |
| Industry Experience (Outside Loyola) : |  |
| Total Teaching Experience : | **15+years** |

**Positions held at Loyola:** :( Eg: VP / Dean/ HOD / Director/ Faculty Advisor etc.)

|  |  |  |
| --- | --- | --- |
| **SI. No** | **Name of the Position** | **Duration** |
| 1 | Faculty Advisor | 2007-2022 |
| 2 | FIT-President (Department Association ) | 2018-2019 |
| 3 | Personal Mentor | 2016-2022 |
| 4 | FIT-Vice President | 2014-2015,2017-2018 |
| 5 | RCLC-Faculty in charge (Rotaract club of Loyola college) | 2016-2021 |

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| 6 | Project Coordinator (P.G-department) | 2019-2020 |
|  7 | Project Coordinator (U.G-department) | 2020-2021 |

**Patents Published:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SI.NO** | **Title of the Patent** | **Organisation** | **Application No** | **Publication No** | **date&Year** |
| 1 | iot based enhanced hybrid mobile mesh ad-hoc wireless network forrebroadcasting of data packets | indian patent intellectual property india | 202141037223 | 35/2021 | 27/08/2021 |
| 2 | general framework to handle large class of inference problems using label sequence learning from realmonitoring videos | indian patent intellectual property india | 202141037738 | 39/2021 | 24/9/2021 |
| 3 | Deep learning and wireless based energy efficient autonomous system for pollution control in e-cities | indian patent intellectual propertyindia | 202141051866 | 2021 | 26/11/2021 |

**Books Published:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SI. No** | **Title** | **Year** | **ISBN** | **Publisher** | **Place** |
| 1 | Cryptography and Cryptocurrency | 2022 |  978-93-5625-326- 1 | Scientific International Publishing House. |  TamilNadu |
| 2 | Rotaract club of Loyola annual | Dec 2010 | 978-81-8371-368-9 | SciTech Publications | Chennai |
| 3 | Rotaract club of Loyola annual | Mar 2016 |  | Loyola Publications | Chennai |

**Journal / Articles Published:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SI. No** | **Journal Name** | **Year** | **Vol. No** | **Issue No** | **Impact****Factor/ Indexed in** |
| 1. | Journal of HighPerformance Communication Systems and Networking | June2009 | 1 | 2 |  |
| 2 | International Journal of Computer Science and Engineering | Dec 2011 | 3 | 12 |  |
| 3 | International Journal of Emerging Technology and Advanced Engineering | Jan 2013 | 3 | Speci al issue1 | 5.119 |
| 4 | International Journal of Emerging Trends & Technology in Computer Science | Oct 2015 | 4 | 5(1) | Thomson Reuters (4.413) |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 5 | International journal of Engineering and Computer Science | Oct 2016 | 5 | 10 | 4.091 |
| 6 | International Journal of Electrical and Computer Engineering | Feb 2017 | 7 | 1 | SCOPUS INDEXED |
| 7 | International Journal of Scientific Research and Management | July 2017 | 5 | 7 | 4.008 |
| 8 | Mathematical Sciences International Research Journal | Jan 2018 | 2 |  | UGCapproved |
| 9 | International Journal of Computer Sciences and Engineering | Feb 2018 | 6 | 2 | UGCapproved |
|  10 | International journal of pure and applied mathematics | 2018 | 112 | 23 | SCPOUS INDEXED |
|  11 | Journal of Nuclear Energy Science & Power Generation Technology | 2021 | 10 | 9 | Web of Science |

**Conference/Seminar/Workshop/ Training Programme Papers Presented -Academic & General:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.****No** | **Theme** | **Place** | **International /****National / State level** | **Year** |
| 1 | National Conference on Trends in Computing Technologies(NCTCT-2009) | Meenakshi Sundarajan Engineering College | National | Feb12,2009 |
| 2 | National Conference on Research Trends in Computer Applications(NCRTCA-2009) | Loyola College | National | March 5-6,2009 |
| 3 | International Conference on Mathematics and ComputerScience(ICMCS-2011) | Loyola College | International | Jan 6-7,2011 |
| 4 | International Conference on Recent Trends in computing technology(ICRTCT -2016) | Madras University | International | Feb 22-23, 2016 |
| 5 | International conference on mathematical computer engineering(ICMCE -2016) | School of advanced science, VIT University, Chennai | International | Dec 16-17 ,2016 |
| 6 | International conference on Computing Sciences(ICCS2018) | LIMCOS, Loyola College | International | Jan 8-9,2018 |
| 7 | International Conference on computer simulations in natural sciences (SIMSCI2018) | Presidency College | International | Apr 4-6 2018 |

**Conference/Seminar/Workshop/ Webinar/ Training Programme attended - Academic & General:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.****No** | **Theme** | **Place** | **International****/****National** | **Year** | **Resource****Person / Participation** |
| 1 | Workshop on NuclearEnergy | Loyola College | National | July 19-21,2007 | Participation |
| 2 | Staff Development Program On Mathematical Techniques In Computer | Ethiraj College |  | Oct 8-12,2007 | Participation |
| 3 | National Conference On Higher Educational AtCross Roads | Loyola College | National | Feb 7-9,2008 | Participation |
| 4 | Current Trend In Social Science And YouthRelated Researchers | Loyola College | National | Mar 7-8,2008 | Participation |
| 5 | De-learn To Relearn- Innovative TeachingMethods | Hotel Savera | International | July19,2008 | Participation |
| 6 | International conference on Mathematics and Computer Science | Loyola College | International | July 25-26,2008 | Participation |
| 7 | International Conference on Mathematics and Computer Science | Loyola College | International | Jan 5-6,2009 | Participation |
| 8 | Workshop on Forensic Tools and Techniques | SRM UNIVERSITY |  | Jan 29-31,2009 | Participation |
| 9 | Workshop on Tamil Computing | Loyola College |  | Feb13,2009 | Participation |
| 10 | National Conference on Recent Trends in Data Management | Loyola College | National | Mar13, 2009 | Participation |
| 12 | NRCFOSS Teacher Training Programme inFree/Open Source | Loyola College |  | June 8 -13,2009 | Participation |
| 13 | International Conference on Mathematics and Computer Science | Loyola College | International | Feb 5,2010 | Participation |
| 14 | International Conference on Information Science and Applications | Panimalar Engineering College | International | Feb 6,2010 | Participation |
| 15 | National Conference on Futuristic and Advanced Computing Technologies (c- | Loyola College | National | Feb 26-27,2010 | Participation |
| 16 | Faculty development programme on network programming | SRM Eswari Engineering College |  | Feb24-26, 2010 | Participation |
| 17 | Workshop on Simulation Tools | VELS University | National | Oct 13, 2011 | Participation |

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| --- | --- | --- | --- | --- | --- |
| 18 | Two day seminar on research methodology and project proposal | D.G VAISHNAVACollege | National | Oct 14-15,2011 | Participation |
| 19 | Two day Activity oriented workshop onResearch Methodologies in | ANNA UNIVERSITY |  | Nov 5-6,2011 | Participation |
| 20 | Data mining techniques & its application | Presidency college | State level | Dec 16-17,2011 | Participation |
| 21 | Faculty development programme on current research trends in | Anna Adarash College |  | Sep 6 ,2012 | Participation |
| 22 | Seminar on Cyber law and Cyber security | D.G Vaisnava | National | Sep, 28-29,2012 | Participation |
| 23 | Workshop on advances in cloud computing | RMD engineering |  | Nov 3,2012. | Participation |
| 24 | Two days’ workshop on **“Data Communication and** | Loyola College. |  | 18th &19th November 2013 | Participation |
| 25 | Oneday workshopon” **Software Testing”** | Anna University |  | 7th August 2013 | Participation |
| 26 | Oneday national seminar on **computational science** | bharathi college, Karnataka |  | 2nd march 2013, | Participation |
| 27 | one day workshop on **“Designing in Photoshop”** | Loyola college |  | 24th January | Participation |
| 28 | Faculty development programme on information forensics and information | University of Madras |  | April 25-26, 2014 | Participation |
| 29 | Seminar on research tools and techniques in computer science | Presidency College | State | August 5, 2014 | Participation |
| 30 | FDP on Android Application development and deployment | Loyola college |  | Nov 28th-29,2014 | Participation |
| 31 | Workshop on NS2 simulations on MANET, VANET and sensor | Jeppiar College | national | Sep 25-26 ,2014 | Participation |
| 32 | Workshop on data mining tools and techniques | Presidency | National | March 13th-14,2015 | Participation |
| 33 | IT IS intial awarenessprogramme | TCS |  | Aug 21, 2014 | Participation |
| 34 | Workshop on‘Optimization Techniques in decision support system | VIT University, Chennai | International | Dec 16-17,2016 | Participation |
| 35 | Faculty development Programme on Data Analytics using Python | Department of computer Science & MCA, Loyola |  | Oct 6 -7,2017 | Participation |
| 36 | Faculty Development Programme on” Healthy Life-HAPPY YOU” | Loyola College |  | Dec 12-13,2017 | Participation |

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| --- | --- | --- | --- | --- | --- |
| 37 | A Two Day Hands on Research Workshop on Machine Learning using R | Loyola College |  | June 8-9, 2018 | Participation |
| 38 | FLASH-Rotaract conference 2016-2017 | Dr.Ambedkar Arangam, ICF |  | Mar 4-5,2017 | Participation |
| 39 | EPIC-Annual Rotaract conference 2017-2018 | Chettinad Vidhyasharam Auditorium, |  | Feb 10-11,2018 | Participation |
| 40 | webinar in “PHOTONICS CRYSTAL | TERNAEngineering Department | International | 29Th June 2020. | Participation |
| 41 | Online Faculty Development Programme on “Machine Learning” | PG Department of Computer Science, Auxilium College |  | 1st – 7th June 2020 | Participation |
| 42 | webinar on “Energy Efficiency in | Department of Information Technology of |  | 30th June 2020. | Participation |
| 43 | webinar on “Towards a Victim Justice System” | Departmentof Information Technology in |  | 27th June 2020. | Participation |
| 44 | Online FDP on Data Science Using | SVR Engineering College,A.P |  | 26th May 2020. | Participation |
| 45 | Webinar on “The FUTURE IS HERE” | ICT Academy |  | April 27 -1st May,2020 | Participation |
| 46 | Webinar on usage of ICT tools | Ethiraj College,Chennai | National | 14th May,2020 | Participation |
| 47 | webinar on Information Gain & Entropy | Department of Data ScienceLoyola College, |  | 5th June ,2020 | Participation |
| 48 | Seven days international level online Faculty development programme | Nallamuthu Gounder Mahalingam College | International | 3rd August-10th August 2021 | Participation |
| 49 | Five days Faculty development programme on”Blended and inclusive strategies in artificial intelligence and machine learning | Holy Cross,Trichy | International | 18th-22st October 2021 | Participation |
| 50 | Power Webinar on technological innovation and artificial intelligence | Mannar Thirumalai Nacikar College,Madurai |  | 6th April 2022 | Participation |

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| --- | --- | --- | --- | --- | --- |
| 51 | Two Weeks Workshop on Analytical tools for imageprocessing | MHRD-RUSA2.0,Madras University |  | 1st Feb to 17th Feb 2022 | Participation |
| 52 | Faculty Development Programme | Why Tap, Egmore |  | 27th March 2022 | Participation |

**Conference/Seminar/Workshop/ Training Programme Organized - Academic & General:**

|  |  |  |  |
| --- | --- | --- | --- |
| S.NO | **Theme** | **Place** | **Year** |
| 1 | Workshop on 3D printers | MCA HALL | Feb 16, 2017 |
| 2 | EYE Check-up | MRF HALL | Feb 21, 2017 |
| 3 | OCEANUS-Cultural event | St.Beades School Auditorium | Feb 26,2017 |
| 4 | RESPECT-Pre-Conference | Bertram Hall | Jan 26,2018 |
| 5 | Medical Camp(eye,Dental) | Daya Sadan ashram, Permbur | Feb 2018 |
| 6 | Vizhithu ezhu(seminar on drug awareness ) | MS06 |  |
| 7 | Negizhi( seminar on plastic waste segregation and recycling) | LS hall |  |
| 8 | Masti-Cultural event | LS hall |  |
| 9 | Inaivom-Human chain | Loyola College gate |  |
| 10 | Shalom-community service cultural event | Bertram Hall | Jan 2019 |

**Conference/Seminar/Workshop/ Training Programme as resource person - Academic & General:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.NO | **Theme** | **Place** | **International****/****National** | **Year** |
| 1 | Science Exhibition @Bedex | St. Bede’s Anglo Indian School, Santhome, Chennai | **State** | Aug 24, 2016,Aug 29, 2015,Nov 15, 2014 |

# AWARDS and RECOGNITION:

1. Best faculty in charge (good shepherd award) during the academic year 2015-2016
2. Certificate of appreciation of the Rotaract club during the academic year 2016-2017 by Rotaract club of viswahitha
3. Award to recognize silent guardian of the Rotaract club of Loyola College during the academic year 2017-2018 by district Rotaract council.
4. Certificate of Recognition as a coordinator of the Rotaract club during the academic year 2017-2018 by Loyola college
5. Pillar of support during the academic year 2018—2019 by Rotaract club of Loyola college with rotary club of madras.
6. VIBE-Best Presentation college based award during the academic year 2018—2019 by district Rotaract council.
7. Mattram – Saretherathai noki award during the academic year 2018—2019 by district Rotaract council.
8. Award of Appreciation – Rotaract Club during the academic year 2018—2019
9. Shalom best community service project award during the academic year 2018—2019 by district Rotaract council sponsored by rotary club of madras.
10. Envision award during the academic year 2019-2020 by district Rotaract council.
11. Award of Excellence in Research by Novel Research Academy, Puducherry 2021-2022
12. missile man virtue world record rotaract club of Loyola college 2021-2022

**Email-id:** **justinsophia4@gmail.com****,** justinsophia@loyolacollege.edu