


FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Ms	First Name	Arokia	Last Name	Ramya Terrance	
Designation	Assistant Professor					
Department	Computer Science					
Address (Official)	Kalindi College, University of Delhi, East Patel Nagar, New Delhi-110005					
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Education

Subject	Institution	Year	Details
NET	UGC	2015	In CSA
M.E.	Madras Institute of Technology, Anna University, Tamil Nadu	2005	1 st Class with Distinction (82%)
B.E.	Mepco Schlenk Engineering College, Madurai Kamaraj University, Tamil Nadu	2002	1 st Class with Distinction (76.25%)

Career Profile

Organisation/Institution	Designation	Duration	Role
Kalindi College	Assistant Professor (Ad-hoc)	27 th July 2016 till date	Teacher
Infosys Technologies Limited	Software Engineer	13 th June 2005 to 19 th June 2009	Software Developer
Aarupadai Veedu Institute of Technology	Lecturer	3 rd January 2003 to 30 th April 2003	Teacher
Aptech Computer Institute	Faculty	1 st June 2002 to 31 st December 2002	Teacher

Research Interests/Specialization

Artificial Intelligence, Machine Learning

Administrative Assignments / Contribution to corporate life

2019-2020	<ol style="list-style-type: none"> 1) Member of the Organizing Committee of the UGC sponsored National Conference on "Emerging Trends in Information Technology" organized by the Computer Science department of Kalindi College held on August 1-2, 2019. 2) Mentored B.Sc(H) Computer Science students Nitya Saini, Anu Sharma, Kanika Tyagi and Nikita to present the Paper in the UGC sponsored National Conference on "Emerging Trends in Information Technology" 3) Member of PhysCom Academic Society of Computer Science & Physics department
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	<p>for session 2019-2020</p> <ol style="list-style-type: none"> 4) Co-Convenor of the Astrodroid 2.0 InterCollege fest 2019 organized by PhysCom Academic Society 5) Member of College Website Upload team for the session 2019-2020 6) Teacher Coordinator for student webinar on “Managing Psychological Lockdown” organised by the department of Computer Science, Kalindi College on 6th May 2020 7) Responsible for Event Handling and Reporting for the workshops organized by Computer Science department during the academic session 2019-2020 8) Responsible for the power point presentation of Brainstorm Lehren Quiz 2020 and conducting the same
2018-2019	<ol style="list-style-type: none"> 1) Mentored B.Sc(H) Computer Science students Mink Singh Chauhan, Shivani Yadav, Nitya Saini, Anu Sharma, Kanika Tyagi and Nikita for poster presentation and paper presentation in the Science Festival - Turiyojas held during March 11-12, 2019 in Deen Dayal Upadhyaya College, University of Delhi 2) Member of PhysCom Society of Computer Science & Physics department for session 2018-2019 3) Staff Advisor for Astrodroid Intercollege Technical fest 2018 organized by PhysCom Academic Society 4) Member of Website Upload team for the session 2018-2019 5) Responsible for Event Handling and Reporting for the Cyber Security workshop organized by Computer Science department held on 14th August, 2018 6) Responsible for Event Handling and Reporting for the Advanced Java workshop organized by Computer Science department held on 30th October, 2018 7) Responsible for Event Handling and Reporting for the Aeromodelling Skills workshop organized by Computer Science department held on 15th January, 2019 8) Responsible for Event Handling and Reporting for the Digital Marketing workshop organized by Computer Science department held on 20th September, 2017 9) Responsible for the Reporting of the Astrodroid Intercollege Fest organized by PhysCom Society held on 10th October, 2018 10) Responsible for the power point presentation of Brainstorm Lehren Quiz 2019 and conducting the same
2017 - 2018	<ol style="list-style-type: none"> 1) Mentored B.Sc(H) Computer Science students Shruti Srivastava and Asmita Mishra for paper presentation in international conference and paper published in international journal 2) Member of PhysCom Society of Computer Science & Physics department for session 2017-2018 3) Member of Website Upload team for the session 2017-2018 4) Responsible for Compeering in the Electrotech event of PhysCom Society held on 12th September, 2017 5) Responsible for Event Handling and Reporting for the Digital Marketing workshop organized by Computer Science department held on 20th September, 2017 6) Responsible for Pic-Tech-Talk Competition in the Technowave event of PhysCom Society held on 8th February, 2018 7) Judge for Face Painting competition in the Technowave event of PhysCom Society held on 8th February, 2018 8) Responsible for the Reporting of the Technowave Intercollege Fest organized by PhysCom Society held on 7th and 8th February, 2018 9) Member of the Organizing Committee of the Inter-College Skill Enhancement

	<p>Workshop for Laboratory Staff held at Kalindi College on 13-14 March 2018</p> <p>10) Responsible for the power point presentation of Brainstorm Lehen Quiz 2018 and conducting the same</p> <p>11) Member, Rangoli competition Lehen 2018</p>		
2016 - 2017	<ol style="list-style-type: none"> 1) Responsible for the Departmental Portfolio and PowerPoint Presentation 2) Member of PhysCom Society of Computer Science & Physics department for session 2016-2017 3) Responsible for Poster Competition in the Bits & Bytes event of PhysCom Society held on 30th August, 2016 4) Co-convenor of Event Handling Committee & Member of Registration Committee in the Skill development workshop organized by Computer Science & Maths department held on October 24-25, 2016. 5) Responsible for Banner design and front & back page of the Abstract book & Yearly Academic Journal book of the National Seminar - "A Paradigm Shift towards Empowerment of Women" organized by the Science department of Kalindi College held on February 3-4, 2017. 6) Member of Website Upload team for the session 2016-2017 7) Mentored the students in their Academic and Personal problems. 8) Responsible for Event Handling and Reporting for the TechnoBuzz Intercollege Fest organized by Computer Science department held on 15th February 2017 9) Responsible for Event Handling and Reporting for the PHP workshop organized by Computer Science department held on 3rd March 2017 10) Member of Overhead Projector Committee for various seminar & conferences happened on national & international level for the session 2016-2017 		
2008	Automation of daily report document using Microsoft office Excel Macros in Infosys		
2002	Campus wide Online Public Access Catalogue (OPAC) Library management software was developed and given to the Mepco College Library		
Teaching Experiences (Subject/Courses taught)			
<ol style="list-style-type: none"> 1) Introduction to Programming – B.Sc(H) / B.A(H) I Semester Generic paper 2) Introduction to DataBase System – B.Sc(H) / B.A(H) II Semester Generic paper 3) Theory of Computation – B.Sc(H) V Semester Core paper 4) Data Structures – B.Sc(H) III Semester Core paper 5) Microprocessor – B.Sc(H) V Semester Elective paper 6) Artificial Intelligence – B.Sc(H) VI Semester Core paper 7) Open Source Software – B.A(P) V Semester SEC paper 8) Data Structures – B.E IV Semester Core paper 9) Computer Networks – B.E. VI Semester Core paper 10) Management Information System – B.Voc Web Designing IV Semester Generic paper 11) Database Management System - B.Voc Web Designing V Semester SEC paper 			
Publication (Peer Reviewed/Indexed Journals)			
Year of Publication	Title	Journal (Name of the journal. Vol Issue ISSN)	Co-Author
2019	In-depth Analysis of the	UGC sponsored National Conference	Shalini

	Performance of RSA and ECC in Digital Signature Application	Proceedings on Emerging Trends in Information Technology(NCETIT-2019), pp. 15-27, August 2019. ISBN: 978-93-89165-99-9	Sharma, Nitya Saini, Anu Sharma, Kanika Tyagi, Nikita
2018	Competitive Analysis of Retail websites through Search Engine Marketing	Ingenieria Solidaria, Vol. 14, Issue No. 25[Special Issue] , pp. 14, May 2018 https://doi.org/10.16925/.v14i0.2235 ISSN: 2357-6014	Shruti Shrivastava, Asmita Mishra, Lokesh Sivanandam
2017	Importance of Search Engine Marketing in the Digital World	International Conference on Information Technology and Knowledge Management, Annals of Computer Science and Information Systems Vol. 14, pp 155-158 http://dx.doi.org/10.15439/978-83-949419-2-5 ISSN: 2300-5963	Shruti Shrivastava, Asmita Mishra
2017	Search Engine Optimization – A Critical Element in Digital Marketing	Kalindi College Yearly Academic Journal 2017 Department of Science and Technology sponsored National Seminar on a paradigm shift towards empowerment of women (NSSC-2017), 3-4 February 2017 ISSN:2348-9014	Sole Author
2006	Software Design of CDMA Based MAC Scheme for Microsatellite	IETE Journal of Research, Vol 52, Issue 2-3, March-June 2006 https://www.tandfonline.com/toc/tijr20/52/2-3?nav=tocList ISSN:0377-2063	Dr V.Vaidehi, C Ramesh, R Srinivasan & B Swetha
2005	Software Design of CDMA based MAC Schedule for Microsatellite	National Conference on Signals, System and Communication, 2005 NSSC-2005	Dr V.Vaidehi, C Ramesh, R Srinivasan & B Swetha
Seminar/Workshop/Conferences Presentation/Organisation			
<ul style="list-style-type: none"> Participated Webinar on “Key Pillars Of Successful Digital Transformations" organized by the Department of Computer Science, University of Delhi on June 6, 2020. Participated Webinar on “Search, Research and Publication Ethics” organized by Library, Kalindi College on May 4, 2020. Participated in the FDP Program on “Data Science with Python” organized by ICT Academy 			

during December 19-21, 2019 at Institute of information technology and management, Delhi.

- Participated in the FDP Program on “Introduction to Python Programming” organized by ICT Academy during December 16-18, 2019 at Institute of information technology and management, Delhi.
- Participated in the National level Bridge Conference conducted by ICT Academy at AICTE Auditorium, Delhi held on 11th December 2019
- Participated in the International Conference on Artificial Intelligence and Speech Technology (AIST-2019) by the Indhira Gandhi Delhi Technical University for Women (IGDTUW), Delhi held on November 14-15, 2019
- Presented Paper titled “In-depth Analysis of the Performance of RSA and ECC in Digital Signature Application” in the UGC sponsored National Conference on Emerging Trends in Information Technology on August 1-2, 2019
- Completed NPTEL Online course on “Cryptography and Network Security” in January-May 2019 and obtained Silver certificate for the same
- Participated in the National Seminar on 5th April, 2019 on “Cyber Security Systems” organized by SPM College, Punjabi Bagh, New Delhi.
- Participated in the National Seminar on 14th March 2019 on “Cyber Security Issues, Challenges & Remedies” organized by National Power Training Institute, Badarpur, Delhi
- Presented Poster titled “Assessment of Security Mechanism in the Mobile Payment System” in the Science Festival - Turiyojas held during March 11-12, 2019 in Deen Dayal Upadhyaya College, University of Delhi
- Presented Paper titled “Devising user friendly Payment Security Scheme in Smartphones” in the Science Festival - Turiyojas held during March 11-12, 2019 in Deen Dayal Upadhyaya College, University of Delhi
- Participated in the FDP on “Network Science: Foundation of Social Network Analysis” conducted by the Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with the Department of Computer Science, University of Delhi from 3rd December to 8th December 2018
- Participated in the Cyber Security workshop organized by Computer Science department of Kalindi College held on 14th August, 2018
- Participated in the FDP on “Data Science and Big Data Analytics” conducted by ICT Academy at Deen Dayal Upadhyaya College from 6th March to 10th March 2018
- Participated UGC sponsored National Workshop on “Participated UGC sponsored National Workshop on “A trend towards Machine Learning: Techniques and Applications” at Deen Dayal Upadhyaya College from 26th December 2017 to 1st January 2018
- Presented paper titled “Importance of Search Engine Marketing in the Digital World” in International conference on Information Technology and Knowledge Management at Shaheed Sukhdev College of Business Studies from 22nd December to 23rd December 2017
- Participated as the member of the Organizing Committee of the Skill Development Workshop on LaTeX and Statistical Techniques by the Department of Computer Science and Mathematics of the Kalindi College from 24th October to 25th October 2016
- Presented the paper titled “Software Design of CDMA Based MAC Schedule for Microsatellite” in National Conference on Signals, Systems and Communication 2005, Anna University, Chennai, Tamil Nadu
- Participated in the workshop on 8th March 2002 titled “Entrepreneurship Awareness Programme” by the Placement Cell of Mepco College, Sivakasi, Tamil Nadu
- Conducted Quiz event held as part of the Computer Science Association during 2001-2002
- Participated in the workshop on 24th January 2000 titled “Unlocking Career Potential” by the IEEE student branch of Mepco college, Sivakasi, Tamil Nadu

- Active Volunteer of Program Committee in MepComex'99 – A Computer Exhibition, , Sivakasi, Tamil Nadu

Awards & Distinctions

- Qualified UGC-NET (2015) in Computer Science
- Prestigious Spot Award for the valuable contribution to the Infosys NSS project team in 2006
- Have additionally qualified GATE in Computer Science in 2003

Professional Societies Memberships

CSI

Projects (Major Grants / Collaborations)

- Working as Principal Investigator for the research project titled “Applications of Data Analytics in Education” under the Kalindi College Research Grant for the duration 2019-2020
- Worked as Principal Investigator for the research project titled “Online Transaction Security Issues in MANET” under the Kalindi College Research Grant for the duration 2018-2019
- Participated Code Walkthrough session of the Software design of ANUSAT microsatellite which was funded by ISRO