

# NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution)

## K. RAMALAKSHMI

66, Kalamman Koil Street, Mavadickal, Kadayanallur, Tenkasi,

Tirunelveli District, Tamil Nadu, INDIA – 627751

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### CAREER OBJECTIVE

#### COMMITMENT TO LEARNERS

I will strive to:

- Develop and maintain professional relationships with learners.
- Present subject matter from an informed and balanced viewpoint.

#### COMMITMENT TO SOCIETY

In fulfillment of the obligations to society, I will strive to:

- Teach and model the positive values which are widely accepted in society and encourage learners to apply them and critically appreciate their significance.

#### COMMITMENT TO THE PROFESSION

In fulfillment of the obligations to the teaching profession, I will strive to:

- Advance the interests of the teaching profession through responsible ethical practice.
- Treat colleagues and associates with respect, working with them co-operatively.
- Respect confidential information.

### PERSONAL DETAILS

<b>Date of Birth:</b>	11-03-1987	<b>Gender:</b>	Female
<b>Nationality:</b>	Indian	<b>Marital Status:</b>	Married
<b>Address for correspondence:</b>	512/1, Ram Vikashini Bhavanam, Kuruvi Kulam Post, Thiruvengadam.	<b>Permanent Address :</b>	66, Kalamman Koil Street, Mavadickal, Kadayanallur, Tenkasi, Tirunelveli -627751
<b>Mobile No:</b>	9750682345	<b>E-Mail: (official)</b>	<a href="mailto:ramalakshmi.vino@gmail.com">ramalakshmi.vino@gmail.com</a>

### ACADEMIC RECORD

Degree	Major Field of Study	Name & Address of Awarding Institution	Graduated Year	CGPA
M.E.	CSE	Annamalai University, Chidambaram.	2011	8.77 First class with distinction
B.E.	CSE	Arulmigu Kalasalingam College of Engineering, Srivilliputtur.	2009	77 First class with distinction
H.S.C	MATHS- BIOLOGY	Private, Tirunelveli.	2005	91%
S.S.L.C	--	K.D.V.P Government Girls Higher Secondary School, Nagercoil.	2002	95.4%

### PROFESSIONAL EXPERIENCE

- Working as **Assistant Professor** in Department of Computer Science and Engineering at **National Engineering College, Kovilpatti** from 30<sup>th</sup> May 2018 to Till Date.
- Worked as **Assistant Professor** in Department of Computer Science and Engineering at **Sri Ramakrishna Institute of Technology, Coimbatore** from June 2011 to 29<sup>th</sup> May 2018. (7 years)

### RESEARCH AND PUBLICATIONS

RESEARCH AREA : Data Mining

#### JOURNAL PUBLICATIONS INTERNATION JOURNAL (7 No's)

- Published a paper titled **A Hybrid Framework for TCP Incast Congestion Control in Data Center Networks**, **International Journal of Recent Technology and Engineering**, IJRTE,ISSN 2277-3878 Page No.: 798-806. Volume-8 Issue-2, August 2019.
- Published a paper titled **Various Network Attacks and Alert Systems for Virtual Network Systems –A Survey**, **International Journal of Innovations & Advancement in Computer Science**, IJIACS,ISSN 2347 – 8616, Volume 6, Issue 9, September 2017
- Published a paper titled **Disease analysis system using Content Based Image Retrieval**, **International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)**, Vol 4 , Issue 5, May 2017
- Published a paper titled **Effective Trajectory Data Analysis Using Continuous K-Means Clustering** in **International Journal of Latest Trends in Engineering and Technology (IJLTET)** on July 2016.
- Published a paper titled **Detecting the Spam Mail Using online Oversampling Principal Component Analysis** in **Advances in Natural and Applied Sciences**, on June 2015.
- Published a paper titled **Protection of MANETs from a range of attacks using a modified Zone Based Intrusion Detection System** in **SSRG - International Journal of Computer Science and Engineering** on March 2015, Special Issue.

- Published a paper titled **Speech Enhancement With Signal Subspace Filter Based on Perceptual Post Filtering** in International Journal of Latest Trends in Engineering & Technology on January 2013 Volume 2, Issue 1.

#### CONFERENCE PUBLICATIONS

##### INTERNATIONAL CONFERENCE (4 No's) NATIONAL CONFERENCE (2 No's)

- Presented a paper titled **High Speed Vehicle Detector** in the International conference on Recent Challenges in Science ,Engineering and Technology(ICRCSET-2020) organized by Chalapathi Institute of Technology(CIT), Guntur, Andhra Pradesh held During February 28th & 29th 2020.
- Presented a paper titled **Fatigue Detection System based on Behavioural Characteristics of Driver** in 7th National conference on Computer Science and Applications organized by Mepco schlenk Engineering College, Sivakasi, held During march 8th & 9th 2019.
- Presented a paper titled **Various Network Attacks and Alert Systems for Virtual Network Systems – A Survey** to be presented in 4th International Conference on New Frontiers of Engineering, Science, Management and Humanities (ICNFESMH-2017), Hyderabad.
- Presented a paper title **Disease analysis system using Content Based Image Retrieval** International Conference on Applied Science Engineering and Technology (ICASET-17). DOI Number: 01.1617/vol4iss3pid0040013, Bangalore.
- Presented a paper titled **Soil Properties and Crop Management based on Data mining Concepts – A Survey** in Seventh international conference on advanced computing on December 2015, organised by Madras Institute of Technology on December 2015.
- Presented a paper titled **Cloud Technologies In Healthcare Sector** in National conference on recent advancements in software development organized by Skill Development centre, Alagappa University, Karaikudi held on 23<sup>rd</sup> March 2015.
- Presented a paper titled **Implementing Dicom In Healthcare Sector** in National Conference On Science, Research and Information Technology on March 2015 organised by PiGEAN at Sri Ramakrishna Institute of Technology.

#### CERTIFICATION COURSES COMPLETED

- Completed the project based online course on Machine Learning using Python conducted by SkyFiLabs
- Completed NVIDIA Deep Learning Institute: Getting Started with AI on JETSON NANO
- Completed Google's The Fundamentals of Digital Marketing
- Completed SoloLearn Course: C Tutorial , Python 3 Tutorial
- Completed MATLAB Onramp Certification Course conducted by MathWorks Training Services.
- Completed Image Classification with Digits and Object Detection with digits Test conducted by nvidia and Deep Learning Institute.

### SEMINARS, WORKSHOPS, CONFERENCES ORGANIZED

- Organized two days hands-on workshop under the banner of Deep Learning Focus Group titled “**Insights into Machine Learning and Deep Learning Approaches**” at National Engineering College Kovilpatti from 19<sup>th</sup> July to 20<sup>th</sup> July 2019.
- Organized AICTE Approved Three days Workshop on **AI & Deep Learning** from 28<sup>th</sup> December to 30<sup>th</sup> December 2018 in association with Bennett University, Noida at National Engineering College Kovilpatti.
- Organized **International Women’s Day** every year since 2014 under the banner of SRT-Women in Computing Club.
- Organized One day Workshop on “**Basics of Creative Designing**” on 06 of March 2017 under the banner of SRIT Women in Computing Club.
- Conducted four days program on “**How to prepare Voice over PPT**” to all faculty members of SRIT from 09<sup>th</sup>-12<sup>th</sup> May 2016.
- Conducted **one day workshop on “Artificial Intelligence**” for the Dept. of CSE students on 09<sup>th</sup> April 2016.
- Organized One day Workshop on “**Algorithmic Thinking and Scratch Programming**” on 18 of August 2015 under the banner of SRIT Women in Computing Club.
- Organized and Acted as Resource Person for the One day Seminar on “**Problem solving through Algorithms**” on 03 of March 2015 under the banner of SRIT Women in Computing Club.
- Organized **IITB Spoken Tutorial Workshops** for Students of SRIT for every Semester.

### SEMINARS, WORKSHOPS, CONFERENCES

#### RESOURCE PERSON-3 JURY MEMBER-1 PARTICIPATION-15

- Participated in Three Days Online Training on “**Internet Of Things**” organized by MSME Technology Development Centre (Process & Product Development Centre), Agra, from 25<sup>th</sup> May to 27<sup>th</sup> May 2020.
- Participated in Five Days Online Training on “**Block Chain Technology**” conducted by Leadingindia.ai, a nationwide initiative by Bennett university, Greater Noida, India from 13<sup>th</sup> May to 17<sup>th</sup> May 2020.
- Acted as Resource Person in a two days hands-on workshop organized by the Deep Learning Focus Group on “**Insights into Machine Learning and Deep Learning Approaches**” at National Engineering College Kovilpatti from 19<sup>th</sup> July to 20<sup>th</sup> July 2019.
- Attended Train the Trainer (TTT) Program on “**INFYTQ Based Foundation Program**”, Organised by

Infosys Campus Connect at Erode Sengunthar Engineering College, Erode from 27th to 29th June 2019.

- Participated in Three Days Hand-On Workshop on “**Artificial Intelligence and Deep Learning**” conducted by Leadingindia.ai, a nationwide initiative by Bennett university, Greater Noida, India from 14<sup>th</sup> September to 16<sup>th</sup> September 2018 at Ramco Institute of Technology, Rajapalayam.
- **Resource Person** for Two day Hands-on Workshop on **Python Basics** organized by SRIT-WIC for girl students of CSE from 16<sup>th</sup> to 17<sup>th</sup> February 2018.
- **Resource Person** for Two day hands-on Workshop on **Python 3.5 Coding Fundamentals** organized by Ubuntu Forum of Sri Ramakrishna Institute of Technology for **External participants** from 22<sup>nd</sup> to 23<sup>rd</sup> January 2018.
- **Jury Member** in **National Conference on Information and Communication Technology (NCICT)** organized by SRIT-CSE on 29th April 2017.
- Participated in One Day Hands-on Workshop on “**Launch Yourself with PHP & MYSQL**” on 25<sup>th</sup> July 2015 at Sri Ramakrishna Institute of Technology, Coimbatore.
- Participated in Two Days National level workshop on “**Big Data Analytics**” on 27<sup>th</sup>- 28<sup>th</sup> February 2015 at Sri Ramakrishna Engineering college, Coimbatore.
- Participated in One Day Hands-on Workshop on “**Prezi- A Zooming Presentation Software**” Conducted by CSI on 6th August 2014 at Sri Ramakrishna Institute of Technology, Coimbatore.
- Participated in the Fourth National Conference on “**Communication, Computation, Control and Automation**”, organized by Sri Ramakrishna Institute of Technology, Coimbatore during 28 and 29 March 2014.
- Participated in One Day National Level Seminar on “**Research Methodologies in Information and Communication Technology**” at Sri Ramakrishna Institute of Technology, Coimbatore on 1<sup>st</sup> March 2014.
- Participated in Two Days Hand-On Workshop on “**Hadoop Eco System- A Practitioner Approach**” sponsored by CSI on 31<sup>st</sup> January & 1<sup>st</sup> February 2014 at Sri Ramakrishna Institute of Technology, Coimbatore.
- Participated in Spoken Tutorial Workshop on “**Linux, PHP & MYSQL and Latex**” offered by Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Government of India, on 2<sup>nd</sup> February 2013 at Sri Ramakrishna Institute of Technology, Coimbatore.
- One Day National Level Seminar on “ **Cloud Computing and its Applications**” at Sri Ramakrishna Institute of Technology, Coimbatore on 01<sup>st</sup> Feb 2013
- Two Days National Seminar on “**Research Challenges and Security Issues in Cloud Computing**” on

30<sup>th</sup> & 31<sup>st</sup> January 2013 at Ranganathan Engineering College, Coimbatore

- One Day National Level Workshop on “**Open Source Software**” on 27th September 2012 at Sri Ramakrishna Institute of Technology, Coimbatore.

**FACULTY DEVELOPMENT PROGRAMME**  
**PARTICIPATION-13    RESOURCE PERSON-1**

- Attended Three Day Faculty Development Program on “**Introduction to Python Programming**”, Organized by ICT Academy at National Engineering College from 1<sup>st</sup> to 3<sup>rd</sup> August 2019.
- Attended Three Day Faculty Development Program on “**Teaching Learning Process**” at TLC, Indian Institute of Technology, Madras from 3<sup>rd</sup> to 5<sup>th</sup> December 2018.
- Attended Two Day Faculty Development Program on “**Introduction to R Programming**” at Sri Ramakrishna Institute of Technology from 06-12-2017 to 07-12-2017
- Acted as **Resource Person** in Faculty Development Programme on “**Theoretical foundations of Computer Science**” at Sri Ramakrishna Institute of Technology from 20th April 2017 to 22th April 2017.
- Attended one week Short Term Course on "**Artificial Neural Networks and Fuzzy Logic**" through A View conducted by NITTTR Chandigarh from 24th April to 28th April 2017.
- Attended one week Short Term Course on "**Multimedia Tools and Utilities through ICT**" through A View conducted by NITTTR Chandigarh from 27<sup>th</sup> March to 31<sup>st</sup> March 2017.
- Participated in One week Faculty Development Programme on “**Design and Analysis of Algorithm**” at SSN College of Engineering, Chennai along with Association of Computing Machinery(ACM) Education Committee during 25<sup>th</sup> January to 29<sup>th</sup> January 2016.
- Participated in Two Week ISTE STTP on “**Introduction to Design of Algorithms**” conducted by IIT Kharagpur from 27<sup>th</sup> April to 30<sup>th</sup> May 2015 at Sri Ramakrishna Institute of Technology, Coimbatore.
- Participated in One day Faculty Development Programme on “**Pedagogy for Technology Enabled Learning And Effective Use Of Moodle-A Hands-on Approach**” on 29<sup>th</sup> January 2015, at Sri Ramakrishna Institute of Technology, Coimbatore
- Participated in Two Week ISTE Workshop on “**Computer Networking**” under NMEICT (MHRD) Conducted by IITB On 22<sup>nd</sup> June to 5<sup>th</sup> July 2014 at Sri Ramakrishna Institute of Technology, Coimbatore
- Participated in Two Week ISTE Workshop on “**Computer Programming**” under NMEICT (MHRD) Conducted by IITB On 11<sup>th</sup> June to 21<sup>st</sup> June 2014 at Sri Ramakrishna Institute of Technology, Coimbatore

- Participated in Two Week ISTE Workshop on “**Signals & Systems**” under NMEICT (MHRD) , Conducted by IITB On 2<sup>nd</sup> January to 12<sup>th</sup> January 2014 at Sri Ramakrishna Institute of Technology, Coimbatore
- Participated in Two Week AICTE Sponsored FDP on “**Research Issues in Cloud Computing**” Conducted by Government College of Engineering, Coimbatore from 18<sup>th</sup>-29<sup>th</sup> Nov 2013.
- Participated in Two days ISTE Workshop on “**Aakash for Education**” under NMEICT (MHRD) Conducted by IITB On 10<sup>th</sup> & 11<sup>th</sup> Nov 2012 at Sri Ramakrishna Institute of Technology, Coimbatore.

### MEMBERSHIP IN PROFESSIONAL BODIES

- International Association of Engineers 2013 as Life Member.
- Associate Member in Institute of Research Engineers and Doctors from 2015.
- Member in Internet Society.
- Editorial Board member in International Journal of Current Engineering And Scientific Research ( IJCESR).
- National Advisory Committee Member in 3rd International Conference on Applied Science Engineering and Technology (ICASET-17), Bangalore.

### LECTURES DELIVERED BEYOND THE CURRICULUM

- Delivered a Lecture on Supervised and Unsupervised Learning to Third year and Second Year students on 07-07-2018 under the banner of Machine Learning Focus Group.

### ACADEMIC PERFORMANCE

#### COURSES HANDLED

C Programming for Engineers, Java Programming, Theory of Computation, Design and Analysis of Algorithms, Data Mining Techniques, Computer Programming, Database Management System, Principles of Compiler Design, Open Source Tools and Components, Fundamentals of Computing And Programming

#### LABORATORIES HANDLED

C Programming for Engineers Laboratory, Java Programming Laboratory, Database Management System Laboratory, Object Oriented Analysis And Design, Computer Programming, Operating System

**PROJECTS GUIDED  
FINAL YEAR U.G PROJECT-5**

<b>Project Title</b>	<b>Year</b>
❖ Smart Agro Using Supply Chain Management	2019
❖ Fatigue Detection System based on Behavioural Characteristics of Driver	2018
❖ Smart Bus Tracking System	2017
❖ Disease analysis system using Content Based Image Retrieval	2016
❖ Preserving Location Privacy Using Geo Social Applications	2015
❖ Identity based detection in MANET	2014
❖ Global Face Name Graph Matching Based Framework for Robust Movie Character Identification	2013
❖ Bridging the Semantic Gap Between Image Contents and Tags	2012

Place: Kovilpatti

**K.RAMALAKSHMI**

Date : 12.06.2020