RESUME

Name of the Staff	: **J. Karthikeyan**
Designation	: **Assistant Professor**
Date of joining in the college	: **01.10.2021**
E-mail Id	: **karthikeyan_cse@nec.edu.in**
Mobile Number	: **9042121989**
Personal Details	
Age	: **32**
Date of Birth	: **21.09.1989**
Sex &Marital Status	: **Male & Married**
Citizenship	: **Indian**

Educational Qualification

Educational Qualification	Branch	Name of the Institution/University	Yr. of Passing	% of Marks	Class / Division
M.E	Computer Science and Engineering	Thiagarajar College of Engineering, Madurai.	2013	8.11 (CGPA)	First Class With Distinction
B.E	Computer Science and Engineering	Pandian Saraswathi Yadav Engineering College, Sivagangai.	2011	65.08	First Class

Professional Experience (In chronological order)

Designation	Institution/Organization	Period	Nature of Duties
Research Associate (RA-1)	Thiagarajar College of Engineering, Madurai.	21.02.2019 to 30.09.2021	Research
Assistant Professor	K.L.N College of Engineering, Sivagangai.	29.06.2015 to 20.02.2019	Teaching
Assistant Professor	Madurai Institute of Engineering and Technology, Sivagangai.	29.11.2014 to 26.06.2015	Teaching
Software Developer	Century Minds, Madurai.	01.11.2013 to 28.11.2014	Software Developer

No. of years of Experience   i.NEC   : 11 Months   ii .Other Colleges   : 4.2 Year (Teaching)

iii. Industry : 1 Year   iv. Other than above   : 2.5 Year (Research)

Area of Interest   : Virtual Reality, Augmented Reality, Artificial Intelligence, Robotics, Machine Learning

List of International Journals

S.No.	Name of the Authors	Title of Paper	Name of Journal	Page No & Volume	Year of publication	Impact Factor
1.	Dr.D.Tamilselvi, Mrs.Manju Thomas, Mr. J.Karthikeyan	Cognitive Rehabilitation for Autism Children Mental Status Observation Using Virtual Reality Based Interactive Environment	Springer – International of Advanced Research in Engineering Technology – Intelligent Human Systems Integration	PP.1213-1218 Vol.1131	2020	-

2.	Mr. J.Karthikeyan	Vision Based Autonomous Navigation Robot	IJSRD - International Journal for Scientific Research & Development	Vol.7 Issue.02	2019	-
3.	Mr. J.Karthikeyan	Gesture Control Surveillance Robot (GESBOT)	IJSRD - International Journal for Scientific Research & Development	Vol.7 Issue.01	2019	-

List of International Conference

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year of publication
1	Mr. J.Karthikeyan	Personal Assistant Based Maneuver Robot	International Conference on Emerging Trends in Engineering, Technology, Science and Management.	2017

List of National Conferences

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year of publication
1	Mr. J.Karthikeyan	Remote Exploration Surveillance Robot (RESBOT)	National Conference of NCRTIES 2K18	2018
2	Mr. J.Karthikeyan	Autonomous Fire Fighting Robot	National Conference of NCRTIES 2K18	2018
3	Mr. J.Karthikeyan	Mobile Robot Path Selection using Potential Field Algorithm (PFA) in Static Environment	National Conference on Information and Network Management (NCINM 2013)	2013

R&D Projects: Research Projects Sanctioned (Completed)

S.No	Title of the Project	Principal Investigator	Co-Investigator	Funding Agency	Amount	Period
1	Virtual Reality based cognitive rehabilitation for autism children to improve their social behavior	Ms.T.Manju	Dr.D.Tamilselvi	DST - CSRI	Rs.33,78,000	2018 to 2021

Short term Courses/Seminar/Conference/Workshop Attended

S.No	Institution	Topic	Course Detail	Date
1	Sri Sai Ram Institute of Technology, Chennai.	Exploring Augmented Reality / Virtual Reality using Unity Tool	FDP	11.07.2022 to 15.07.2022
2	NPTEL Certification Course (IIT-Kharagpur)	Programming In Java	NPTEL Certification	24.01.2022 to 24.04.2022
3	Coursera Course – The University of North Carolina at Chapel Hill.	Positive Psychology	Online Course	18.05.2021
4	MEPCO Schlenk Engineering College, Sivakasi.	NLP with Machine Learning	STTP	24.05.2021 to 28.05.2021

5	Bannari Amman Institute of Technology, Sathyamangalam.	Augmented Reality End Product	Workshop	06.03.2021
6	K.L.N. College of Engineering, Pottapalayam.	Exploring Real World Applications of Blockchain Technology with Machine Learning Models	AICTE Sponsored STTP	22.02.2021 to 27.02.2021
7	MEPCO Schlenk Engineering College, Sivakasi.	Emerging Research Trends on Robotics and its Applications – (ERTRA-Phase III)	AICTE Sponsored STTP	05.10.2020 to 10.10.2020
8	SRM Institute of Science and Technology Ramapuram Campus, Chennai.	Neural Nets	Webinar	29.07.2020 to 31.07.2020
9	Sri Ranganathar Institute of Engineering and Technology, Coimbatore.	Robots in Covid-19 & Robotics and It's Future	Webinar	21.05.2020
10	Sri Ranganathar Institute of Engineering and Technology, Coimbatore.	Development Tools and Opportunities of VR & AR in Industries	Webinar	20.05.2020
11	Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi	Innovation, IPR, Entrepreneurship and Start-ups among HEI	MHRD's Innovation Cell, New Delhi	28.04.2020 to 22.05.2020
12	Kewaunee Lab Way, Bangalore.	Virtual Reality & Augmented Reality - Internship	Industry - Internship	26.08.2019 to 28.08.2019
13	Ramco Institute and Technology, Rajapalayam.	Artificial Intelligence and Deep Learning	Workshop	14.09.2018 to 16.09.2018
14	NPTEL Certification Course (IIT - Madras)	Programming, Data Structures and Algorithms using Python	NPTEL Certification	01.02.2018 to 31.03.2018
15	NPTEL Certification Course (IIT-Kharagpur)	Programming in C++	NPTEL Certification	06.08.2018 to 05.10.2018
16	NPTEL Certification Course (IIT-Kharagpur)	Introduction to Internet of Things	NPTEL Certification	30.07.2018 to 25.10.2018
17	K.L.N. College of Engineering, Pottapalayam.	Train The Trainer Workshop on "Data Visualization"	Workshop	25.07.2018 to 27.07.2018
18	WAVEPLUS SOFTECH, Chinna Chockikulam, Madurai.	Industrial Practical Training	Industrial Practical Training	04.06.2018 to 16.06.2018
19	K.L.N. College of Information Technology, Pottapalayam.	Information Technology Essentials (IT8201)	FDTP	06.12.2017 to 12.12.2017
20	Thiagarajar College of Engineering, Madurai.	Certification for Completion of Java Training	Spoken Tutorial IIT Bombay	09.09.2017
21	Thiagarajar College of Engineering, Madurai.	Certification for Completion of Cpp Training	Spoken Tutorial IIT Bombay	09.09.2017
22	Thiagarajar College of Engineering, Madurai.	Certification for Completion of C Training	Spoken Tutorial IIT Bombay	09.09.2017
23	Saranathan College of Engineering, Trichy.	Business Communication and Team Work	FEP	29.05.2017 to 31.05.2017

24	Thiagarajar College of Engineering, Madurai.	Artificial Intelligence Tools	Workshop	23.01.2017 to 15.01.2017
25	Anjalai Ammal Mahalingam Engineering College, Tiruvarur.	CS6660 - Compiler Design	FDTP	28.11.2016 to 04.12.2016
26	K.L.N. College of Information Technology, Pottapalayam.	Big Data Analytics	DST Sponsored – Training Program	22.06.2016 to 01.07.2016
27	National Engineering College, Kovilpatti.	IT6503 - Web Programming	FDTP	06.06.2016 to 12.06.2016
28	Kumaraguru College of Technology, Coimbatore.	Train The Trainer (TTT) on Python Programming	Infosys - Train The Trainer	30.05.2016 to 01.06.2016
29	Thiagarajar College of Engineering, Madurai.	Free and Open Source Software	FDP	29.08.2015
30	K.L.N. College of Engineering, Pottapalayam.	Essential Traits of Teaching Methodologies	Workshop	13.08.2015

Short term Courses/Conference/Workshops/Seminars Organized

S.No	Title	Duration of the workshop	Number of Participants	Venue
1.	Virtual Reality and Augmented Reality	03.10.2019 to 04.10.2019	120	Thiagarajar College of Engineering

Specific Achievement if any

    i)   **UGC NET (Eligible for Assistant Professor - 2019).**

    ii)   Task Completed (TBT-2016) in e-Yantra IIT Bombay.

    iii)   Working Experience in Fire Bird V Robot, Raspberry Pi, Arduino.

    iv)   Chess Player, Ball Badminton Player, Cricket Player.

AICTE NITTTR - 8 MODULE COURSE: First Phase - Completed

S. No	Module Name	Status
1	Module-1 Orientation Towards Technical Education and Curriculum Aspects	Completed
2	Module-2 Professional Ethics & Sustainability	Completed
3	Module-3 Communication Skills, Modes & Knowledge Dissemination	Completed
4	Module-4 Instructional Planning and Delivery	Completed
5	Module-5 Technology Enabled Learning & Life Long Self Learning	Completed
6	Module-6 Student Assessment and Evaluation	Completed
7	Module-7 Creative Problem Solving, Innovation and Meaningful R&D	Completed
8	Moduel-8 Institutional Management & Administrative Procedures	Completed

Expert Lecture Delivered

S.No	Title	Venue	Date
1	Problem Solving and Python Programming	K.L.N. College of Information Technology, Pottapalayam.	21.09.2017 to 22.09.2017