

**Sri Sairam Engineering College
Department of Information Technology**

Name :	S.Gomathi 
Designation:	Assistant Professor-II
Qualification :	M.Tech
Area of Specialization :	Networks
Experience :	Teaching : 12 Yrs. 10 months UG: - 12Yrs 10 months PG : -
	Industry : - yrs
No. of workshop / Conferences / FDP attended :	FDP : 12 National Conference: 2 International Conference:11
Publication :	Journal National : - Nil International : - 6
	Conference National : 1 International : 13
Research Guidance : -	Nil
Membership:	Member in International Association of Engineers - IAENG (No - 205622) Member in International Computer Science and Engineering Society - ICSES (No -3933) Member in Institution of Engineers

	Society(IEI) –M-167108-6.
Achievements:	Score 100% result in many subjects.

Area of Specialization

- Operating System
- Data Warehousing & Mining
- Computer Networks
- Data Structures
- Software Architectures
- Cyber Forensics
- Distributed Systems
- Cryptography and Network Security
- Mobile Networks
- Artificial Intelligence
- Medical Image Analysis

FDP Attended

1. Attended a FDP on Oracle Training Course – Java Fundamentals and Programming by Department of Information Technology, at Sri Sairam Engineering College from
2. Attended a FDP on IT6711- Data mining Lab at Jeppiaar SRR Engineering College on 17.06.16 & 18.06.16.
3. Attended a FDP on Grid, Cloud & Data mining conducted by Department of Information Technology, Sri Sairam Engineering College, Chennai from 20.06.16 to 24.06.16.
4. Attended a FDP on TCS – AWS by Department of Placement, Sri Sairam Engineering College, Chennai from 20.06.17 to 24.06.17.
5. Attended a FDP on IOT-Business4.0 & Block chain Technology at TCS - Siruseri on 27.10.2018
6. Attended a FDP on Python Programming by ICTACADEMY at Sri Sairam Institute of technology, Chennai from 29.10.18 and 30.10.18.

7. Attended a FDP on Engineering Teaching Pedagogy and Teaching Learning Process by SIMS, Sri Sairam Engineering College, Chennai from 3.12.2018 – 7.12.2018.
8. Attended a FDP on Renewable Energy Sources by Department of EEE, Sri Sairam Engineering College, Chennai from 22.07.19 – 26.07.19.
9. Attended a FDP on Cryptography and Network Security by Department of Computer Science and Engineering, Panimalar Engineering College, Chennai from 11.05.20-15.05.20.
10. Attended a FDP on Blended and Flipped Learning by NITTTR, Chennai from 24.08.20-28.08.20.
11. Attended a FDP on Artificial Intelligence by Sri Krishna College of Engineering & Technology, Coimbatore from 31.08.20-04.09.20.
12. Attended a STTP on Medical Image Analysis by V.S.B.Engineering College, Karur from 02.11.20 – 07.11.20.

FDP / Webinars Organized:

1. Organized a FDP on Grid, Cloud & Data Mining conducted by Department of Information Technology, Sri Sairam Engineering College, Chennai from 20.06.16 to 24.06.16.
2. Organized Skill Saathi - National wide Career Counseling Program conducted by ICTACADEMY at Sri Sairam Engineering College, Chennai on 08.02.2019.
3. Organized Saitechgrail'19 - Mini Project Expo Conducted by Department of Information Technology, Sri Sairam Engineering College, Chennai on 12.03.2019.
4. Organized a FDP on Augmented Reality and Virtual Reality by Department of Information Technology, Sri Sairam Engineering College, Chennai from 27.05.20 to 29.05.20.
5. Organized a Webinar on Deep Learning by Department of Information Technology, Sri Sairam Engineering College, Chennai on 27.10.20.

Accomplishments:

Patent Published : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202041027895 A

(19) INDIA

(22) Date of filing of Application :01/07/2020

(43) Publication Date : 10/07/2020

(54) Title of the invention : MYGUIDER APPLICATION SYSTEM

(51) International classification	:B05C 11/10	(71)Name of Applicant : 1)Ms. S. Gomathi Address of Applicant :Department of Information Technology, Sri Sai Ram Engineering College, Sai Leo Nagar, West Tambaram, Chennai Tamil Nadu India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Ms. S. Gomathi
(33) Name of priority country	:NA	2)Mr. P. V. Suganth
(86) International Application No	:NA	3)Ms. S. Anitha Jebamani
Filing Date	:NA	4)Ms. B. Renukadevi
(87) International Publication No	:NA	5)Mr. P. Bharathram
(61) Patent of Addition to Application Number	:NA	6)Mr. R. Leninkumar
Filing Date	:NA	7)Mr. R. Aakash
(62) Divisional to Application Number	:NA	8)Mr. V. Heamath
Filing Date	:NA	9)Ms. S.M. Aafiya Shifana
		10)Ms. B. Karthika

(57) Abstract :

This invention relates to the field of location-based services, and more particularly to connect all the private vendors, shops, small scale interagents and workers with the public people who are in need of their help when they are in their hometown or when they visit any remote locations. Our MyGuider application stores the details and contact number of the vendors and shops nearby and when the users requests for help from a specific sector, for e.g., a mechanic, our application takes the current location of the user and it searches for the nearby mechanics who have already registered with us and then the details of the nearby mechanics are listed to the user by the order of the mechanics previous work ratings. Then the user is provided with the details of mechanic like contact number, GPS location, approximate reaching time to their location, etc. Then the mechanic is notified about the user request and is required to accept or reject the request in real-time. If the mechanic accepts the request of the user the location of the user is sent to the mechanic and the user is notified about the mechanic's response. If the mechanic denies the request then also the user gets notified and the user is requested to search the next available mechanic. This application can be implemented to other scenarios similar to the above stated, such as medical emergency, vehicle spares, retail shops, etc.

No. of Pages : 16 No. of Claims : 7

International Conferences :

1. Attended tutorial session on "Cloud Computing and Semantic Web" in the International Conference on "Information, Systems and Computing – ICISC'13" in Sri Sairam Engineering College during 4th and 5th January, 2013.
2. Attended tutorial session on "Advanced Computing Technologies" in the "2015 International Conference on Computing and Communications Technologies (ICCCT'15)" in Sri Sairam Engineering College on 26-02-2015.
3. Salman.V, Srivenkatesh.K, **S.Gomathi** "Authenticated Secure Railway Service using Smart Card Technology" International Conference on Advances in Emerging Technology(ICAET'15) held at Jaya Engineering College on March 28, 2015.

4. Sharmila.R, Solai.A.L, **Ms.Gomathi.S**,“Mobile Heat Control by Using LM35Pct Sensors with LPC2148 Thermostat Microcontroller” International Conference on Emerging Trends in Engineering and Technology held at Chennai on March 27,2016.
5. “Mitigating insider data theft attacks in the cloud” IEEE sponsored International Conference on Science, Technology, Engineering and Management (ICONSTEM-2016) held at Jeppiaar Engineering College on March 30-31, 2016.
6. **S.Gomathi**, R.Varsha Rohini, Shreya P.R, S.Dheeksha “Web page design optimisation based on segment analytics” International Conference On Computing And Communications Technologies(ICCCT’17) held at Sri Sairam engineering college on February 23-24, 2017.
7. **S.Gomathi**, V.Varsha Rohini, Shreya P.R, S.Dheeksha “Conflict Avoidance In E-Commerce Applications” International Conference On Current Trends In Engineering Research (ICCTER-2017) held at Chennai On March 25, 2017.
8. **S.Gomathi**, V.Aravinthan, M.Sanju, S.Selvam “CASECOP” “International conference on Communication, Computing and Internet of Things – 2018- IC³IoT’18” held at Sri Sairam Engineering College on February 15-17, 2018.
9. S.V.Scibi, C.Ramachandran, **S.Gomathi** " Educational Support for Poverty" " International Conference on Innovation, Entrepreneurship and Economy for Sustainable Development - ICIEESD’18 held at Sri Sairam Engineering College on October 10-11, 2018.
10. **S.Gomathi**, M.Divya, P.Ilavarasi, M.Indumathi " IoT based Environmental monitoring system for smart cities" International Conference on Contemporary Engineering and technology 2019 (ICCET)" held at Prince Shri Venkateswara Padmavathy Engineering College on March 09, 2018.
11. **S.Gomathi**, V.Aravinthan, M.Sanju, S.Selvam “CASECOP: A Drone Case for Mobile” “International Conference on Computing and Communication Technologies - ICCCT’19” held at Sri Sairam Engineering College on February 21-22, 2019.
12. **S.Gomathi**, Mukundhan, Monish “Communication for Paralyzed Patients” 9th International Conference on Education, Advance Management and Technology for Sustainable Development held at Sri Sairam Engineering College on 25th and 26th February 2020.
13. **S.Gomathi**, Kavipriya H, Priyadharshini P “ Detection of Skin Cancer using Neural Network Analysis” International Conference on Computing, Communications & Control 2020 - ICCCC’2020 held at Sri Sairam Engineering College on 28th & 29th February 20.

National Conferences :

1. S.Gomathi, Pavithra Devi.C, Nandhini Priya.R, Mathangi.N “S.A.F.E (Self-Defense Awareness And Familiarisation Exchange)” “ National Confererence on Smart Innovations in Communications & Computing – NCSICC’ 18 held at Sri Sairam Engineering College on March 27, 2018.

International Journal :

1. Salman.V, Srivenkatesh.K, S.Gomathi, “Authenticated Secure Railway Service using Smart Card Technology” published in the CIIT International Journal of emerging Technology in Computer Science & Electronics (IJETCSE) , DOI: WC032011011, Vol 3, No 3, March 2011.
2. Sharmila.R, Solai.A.L, Ms.Gomathi.S,” Mobile Heat Control by Using LM35Pct Sensors with LPC2148 Thermostat Microcontroller” published in International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Vol 3, Issue 3, March 2016 [GOOGLE SCHOLAR INDEXING].
3. S.Gomathi, R.Varsha Rohini, Shreya P.R, S.Dheeksha “Web page design optimisation based on segment analytics” Published in IEEE Xplore, DOI: [10.1109/ICCCT2.2017.7972310](https://doi.org/10.1109/ICCCT2.2017.7972310), 11 July 2017 [Scopus indexed].
6. S.V.Scibi, C.Ramachandran, S.Gomathi " Educational Support for Poverty" Published in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) Vol 8, Special Issue 3, December 2018.[Scopus Indexed].
7. S.Gomathi, V.Aravinthan, M.Sanju, S.Selvam “CASECOP: A Drone Case for Mobile” Published in IEEE Xplore, DOI : 10.1109/ICCCT2.2019.8824840. 5 September 2019 [Scopus indexed].
6. S.Gomathi, Kavipriya H, Priyadharshini P “ Detection of Skin Cancer using Neural Network Analysis” Published in Journal of Critical Reviews (JCR), Vol 7, Issue 11, 2020, ISSN 2394-5125. [GOOGLE SCHOLAR INDEXING].

Academic/Professional Membership:

- Life Member, International Association of Engineers - IAENG (No - 205622)
- Life Member, International Computer Science and Engineering Society - ICSES (No -3933)
- Life Member, Institution of Engineers Society(IEI) –M-167108-6.Life

Other Activity:

- Oracle Trainer - Java Fundamentals and Programming from 2016 onwards.
- ICT Academy Certified Trainer for c Programming from 2018 onwards.
- IEI Department Student Coordinator
- NBA Coordinator
- IIRS Department Coordinator

Declaration:

I hereby declare that the above furnished information is true to the best of my knowledge.

Place: Chennai

Yours Sincerely,

Date:

S.Gomathi