Ummu Habeeba K.

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Objective

To work with commitment and to apply my maximum potential in every work that is assigned to me.

Education

Course	Year of Passing	Institution	Board/University	Percentage
M. Tech in Computer Science and Engineering	2016	MES College of Engineering, Kuttippuram.	Calicut University.	9.06 (CGPA) 5th Rank
B. Tech in Computer Science and Engineering	2014	MES College of Engineering, Kuttippuram.	Calicut University.	8.72 (CGPA) 10th Rank
Plus Two	2009	NavaMukunda Higher Secondary School, Thirunavaya.	State Board, Kerala.	92.4
SSLC	2007	Nava Mukunda Higher Secondary School, Thirunavaya.	State Board, Kerala.	87

Skills & Abilities

IT SKILLS

· **Windows & Office tools**
   - ✓ MS Office - Expert
   - ✓ LaTex - Expert
   - ✓ Beamer – Expert
   - ✓ MATLAB - Advanced
   - ✓ Eclipse – Intermediate

· **Web programming & development**

- ✓ HTML – Expert
- ✓ CSS – Expert
- ✓ PHP – Advanced
- ✓ MySQL - Advanced
· **Non-web programming languages**
- ✓ C - Expert
- ✓ C++ - Expert
- ✓ Python - Advanced
- ✓ Java - Intermediate
· **Operating systems, Networking & Hardware**
  1. Windows XP, 7,8, 8.1,10 – Expert
  2. Linux – Advanced
  3. Network Simulator (NS2) – Expert

PERSONAL SKILLS

- Communication
- Leadership
- Critical Thinking
- Organization

Experience

- Computer Science Instructor | Kendriya Vidyalaya Thrissur | From 01.11.2016 T0 31.05.2019
- Lecturer in Computer Science & Information Technology | THSS Vattamkulam (IHRD) | From 06.06.2019 To 31.10.219

Languages

· Malayalam – Native

· English – Fluent

· Hindi – Working Knowledge

· Tamil – Basic

Presentations and Publications

Journal Publications

· Ummu Habeeba K., "A Survey on Different Tree Routing Mechanisms Used by ZigBee Wireless Networks" International Journal of Scientific Research (IJSR), ISSN No 2277 - 8179, Volume 4, Issue 6, Special Issue June 2015.

· Ummu Habeeba K.,"Security Enhancement of AODV Routing Protocol in MANET: A Survey" International Journal of Scientific Research (IJSR), ISSN No 2277 - 8179, Volume 4, Issue 6, Special Issue June 2015.

- Ummu Habeeba K., "A Survey on Efficient Routing Techniques in ZigBee Wireless Networks" International Journal of Current Trends in Engineering Research (IJCTER), e-ISSN 2455 - 1392, Volume 2, Issue 2, pp. 140 - 150, February 2016.

Conference Publications

- Ummu Habeeba K., "Geographic Location Based Shortcut Tree Routing in ZigBee Wireless Networks" IEEE Sponsored Third International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS'16) (ISBN:978-1-4673-8207-6), March 2016.
- Ummu Habeeba K., "Shortcut Tree Routing (STR) and ZigBee Tree Routing (ZTR) in Wireless Networks – A Comparative Study" National Workshop on Expertising Network Infrastructure and Administration for the Academic Fraternity (ENIAC) with University Grant Commission (UGC), March 2016.

Poster Presentation

- Ummu Habeeba K., "An Enhancement to Neighbor Table Based Shortcut Tree Routing in ZigBeeWireless Networks" Inter Research Institute Student Seminar in Computer Science (IRISS 2016), ACM - India, January 2016.

Academic Projects

Graduate Level

- Mini Project : Bilingual SMS Communicator - An Android Application
  - ✓ A software application running on the Android platform.
  - ✓ Enables the communication between people using two different languages through SMS by using Google translator as an intermediate.
- Main Project : An Approach of Page Layout Analysis Based On Active Contour Model
  - ✓ The process of identifying and categorizing the regions of interest in the scanned image of a text document.
  - ✓ Text – Image separation
  - ✓ MATLAB Coding

Post Graduate Level

- Neighbor Table Based Shortcut Tree Routing in ZigBee Wireless Networks
  - ✓ ZigBee is a worldwide standard of wireless personal area network targeted to low-power, cost-effective, reliable, and scalable products and applications.
  - ✓ The ZigBee tree routing is widely used in many resource-limited devices and applications, since it does not require any routing table and route discovery overhead to send a packet to the destination.
  - ✓ NS2 Simulation and Graph analysis using AWK Scripts.

Achievements

- 5th position in 2016 M.Tech Calicut university rank list and topper in MES College of Engineering, Kuttippuram in CSE department.
- 10th position in 2014 B.Tech Calicut university rank list and topper in MES College of Engineering, Kuttippuram in CSE department.
- Undergone Industrial Training on Redhat Linux administration at IPSR Solutions Limited, Calicut.
- Undergone Industrial Training on Telecommunication Technologies at BSNL, Thrissur.
- Qualified in PHP & MySQL workshop conducted by Spoken Tutorial Project, IIT Bombay.

· Certificate On "Ideas to Execution for Entrepreneurs", IIT Delhi.

Areas of Interest

· Wireless Sensor Networking, especially Mobile, and ad-hoc Networks, Natural Language Processing, Computational Intelligence, Computer Networks, Multimedia, Theory of Computation, Cryptography and Design and analysis of algorithms.

References

· **Dr. V. H. Abdul Salam**
  - ✓ Principal, MES College of Engineering Kuttippuram
  - ✓ E-Mail : principal@mesce.ac.in
· **Dr. Govindaraj E**.
  - ✓ Associate Professor, Department of CSE, MES College of Engineering
  - ✓ E-Mail : govindaraje@yahoo.com

Personal Profile

· Date of Birth : 18 May 1992
· Gender : Female
· Marital Status : Married
· Nationality : Indian

Declaration

I, hereby declare that the above written particulars are true to the best of my knowledge and belief.

Place: Kuttippuram   Ummu Habeeba K.