| PERSONAL DETAILS: | | |
|---|---|---|
| **Name** | Mrs. K PRABHAVATHI | |
| **Department** | Electronics and Communication Engineering | |
| **Designation** | Assistant Professor | |
| **Contact Address** | KRS Agrahara,<br>Behind TVS Show Room,<br>Kunigal-572130<br>Tumkur Dist. | |

| **Teaching Experience in Years** | **14.1years** | **Orcid- ID** | **0000-0001-8186-3753** |
|---|---|---|---|
| **Vidwan-ID** | 119811 | **Email-ID** | **prabhavathik@bgsit.ac.in**<br>**pdevimtech@gmail.com** |
| **Google Scholar ID** | RJVt0sUAAAAJ | **LinkedIn ID** | 335325111 |

| | |
|---|---|
| **Core Discipline** | Electronics and Communication Engineering. |
| **DOJ** | 1/08/2007 |
| **Type of Association** | Regular |
| **Specialization:** | Networking and Internet Engineering(LNI) |
| **Areas of Interest** | · Image processing<br>· Communication<br>· Networking |

| PROFESSIONAL QUALIFICATIONS: | | |
|---|---|---|
| **Qualification / Discipline** | **Year** | **Institution/University** |
| PhD(Registered) | - | ACU |

| | | |
|---|---|---|
| PG: M.Tech | 2009 | VTU |
| UG: B.E | 2004 | VTU |

**MEMBERSHIP OF PROFESSIONAL BODIES:**

| Professional Society | Year | Membership Number/ Nature |
|---|---|---|
| ISCA | 2019 | L38402/Life Time |
| IEEE | 2020 | 96723714/1 year |
| ISTE | 2020 | LM131720 |

**B G S Institute of Technology Faculty Details PUBLICATION DETAILS:**

**JOURNALS: 14**

*1.* "Prediction Of Cardiac Diseases Based On Ecg Analysis Using Machine Learning", International Journal of Advanced Research in Computer and Communication Engineering(IJARCCE), *Volume 10, Issue 6, June2021.*

*2.* "Malaria Parasite Detection With The Help Of Image Processing And Machine Learning", International Journal of Advanced Research in Computer and Communication Engineering(IJARCCE), *Volume 10, Issue 6, June2021.*

*3.* "Fault Diagnosis and Conditional monitoring System of a wind turbine" . International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), *Volume 8, Issue 5, May 2019.*

*4.* "Detection And Dismissal Of Rain Or Snow In A Single Tone Image" . International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), *Volume 8, Issue 5, May 2019.*

5. "VEHICLE ACCIDENT PREVENTION USING EYE BLINK SENSOR USING WIRELESS COMMUNICATION". International Journal of Advance Engineering and Research Development (IJAERD), *Volume 5, Issue 05, May -2018.*

*6.* "REAL TIME TRAFFIC SIGN RECOGNITION BASED ON SMARTPHONE PLATFORM". International Journal of Advance Engineering and Research Development (IJAERD), *Volume 5, Issue 05, May -2018.*

*7.* "Foot Step Power Generation System Using Electronic Device". International Research Journal of Engineering and Technology (IRJET). *Volume: 04 Issue: 08 ,Aug -2017.*

*8.* "SENSPEED: Sensing Driving Conditions to Estimate Vehicle Speed in Urban Environments". International Research Journal of Engineering and Technology (IRJET). *Volume: 04 Issue: 08 , Aug -2017.*

9. "Medical Image Security based on Diffusion-Substitution Method". International Journal Of Scientific Research Management. ISSN: 2321-3418. *Volume 4 Issue 9 , Sep 2016.*

10. "Chaos Based Partial Encryption Of Gray Scale Image Using Couple Tent Map Based On Pseudorandom Number Generator". International Journal For Technological Research In Engineering (IJTRE), *Volume 3, Issue 10, June-2016.*

11. "Robust selective image encryption and decryption based on key controlled matrix". IJISET - International Journal of Innovative Science, Engineering & Technology, *Volume 2 Issue 5, May - 2015.*

12. "Implementation of Color Image Encryption in Gray Level by Using Pixel Shuffling and Single Chaotic System". IJIRD Journal, Volume 3, Issue 5, May-2014.

13. "FPGA Implementation Of Highly Efficient Parallel Hardware Architecture For AES-GCM". IJIRD Journal, Volume 2, Issue 5, May-2013.

14. "Design and Implementation of highly secure cryptosystem for image encryption" .International **B G S Institute of Technology Faculty Details** Journal Of Inventive Engineering and Services (IJIES),

Volume 1, Issue 7, June-2013. **NATIONAL CONFERENCES: 6**

1. "Conditional Monitoring System And Sensor Fault Detection Of Wind Turbine". National Conference On Communication, Signal Processing, IOT, Networking And Embedded Application (NCCOSINE-2019) on 16th and 17th May-2019, NIE, Mysuru.

2. "Rain Or Snow Removing In A Color Image". National Conference On Communication, Signal Processing, IOT, Networking And Embedded Application (NCCOSINE-2019) on 16th and 17th May-2019, NIE, Mysuru.

3. "Foot Step Power Generation System Using Electronic Device". 4th National Conference on "Emerging Trends in Electronics and Communication"(NCETEC-2017), on 18th May-2017, BGSIT, BG Nagara.

4. "SENSPEED: Sensing Driving Conditions to Estimate Vehicle Speed in Urban Environments".4th National Conference on "Emerging Trends in Electronics and Communication"(NCETEC-2017), on 18th May-2017 ,BGSIT, BG Nagara.

5. "Chaos Based Partial Encryption and Decryption for Grayscale Image".3rd National Conference on "Emerging Trends in Electronics and Communication"(NCETEC-2016), on 4th May-2016, BGSIT, BG Nagara.

6. "A Survey On The Encryption Of Gray Scale Image Based On Diffusion Substitution". 3rd National Conference on "Emerging Trends in Electronics and Communication"(NCETEC 2016), on 4th May-2016, BGSIT, BG Nagara.

**INTERNATIONAL CONFERENCE: 1**

1. "Region of Interest Based Selective Medical Image Encryption Using Multi Chaotic System". 2017 International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT). 978-1-5386-2361-9/17/$31.00 ©2017 IEEE.

**WORKSHOPS/FDPS/STTPS: 15**

1. This is certified that K Prabhavathi, Assistant Professor of BGSIT participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Medical Image Processing and 3D Applications" from 2021-07-05 to 2021-07-09 at University College of Engineering.

2. This is certified that K Prabhavathi, from BGSIT has participated 6 days AICTE-ISTE funded Induction/Refresher Program on "Future Wireless Communication: Standards & Technologies" organized by Dept., Of ECE, KSIT Bangalore between $24^{th}$ to $29^{th}$ May-2021.

3. This is certified that K Prabhavathi, Assistant Professor of BGSIT participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Sensors Technology" from 15-2-2021 to 19-2-2021 at Mizoram University. Director ATAL Academies.

**B G S Institute of Technology Faculty Details**

4. Participated in 2-days FDP on "ICT tools for Course Preparation and Evaluation Using Gnomio and Kahoot" organized by the Dept. Of ECE, BEC, S.Belagola on $27^{th}$ to $28^{th}$ July 2020.

5. Participated in 6-days Faculty Development Programme on "Machine Learning and its Applications" Organized by Department of CSE and ISE in Association with CSI, student branch, Mysore chapter from 22nd January to 27th January 2020, held at BGS Institute of Technology, B G Nagara.

6. Participated in 3-days Faculty Development Programme on "Digital Era of Teaching" From 11-13th of May-2020, Conducted by Diksoochi, Mysore.

7. Participated in 6-days FDP on "EMERGING INNOVATIVE APPROACHES IN VLSI,COMMUNICATION AND NETWORK SYSTEMS", organized by Dept., Of ECE,BGSIT, in association with Karnataka Science and Technology Promotion Society, Govt of Karnataka, from $10^{th}$ to $13^{th}$ April -2018.

8. Participated in 4-days FDP on "EMBEDDED CONTROLLER PROGRAMMING WITH ARM CORTEX-M3", organized by Dept., Of ECE, BGSIT, from $29^{th}$ Jan to $3^{rd}$ Feb-2018.

9. Participated in 5-days workshop on "MACHINE LEARNING CRASH COURSE"(MLCC), Organized by Department of CSE and ISE, BGSIT, ACU in Association with Google held from $15^{th}$ to $19^{th}$ Dec-2018.

10. Participated in 3-days workshop on "Computer Network Using Network Simulator" from $2^{nd}$ to $4^{th}$ Jan-2018 organized by Dept., Of ECE, ATMECE, Mysuru, in Association with VTU Belagavi and IETE-Mysuru.

11. Participated in 2-days workshop on "Use of E-resources For teaching and Research, held on $23^{rd}$ to $24^{th}$ June-2017 at BGSIT in association with VTU, Belagavi.

12. Participated 2-days hands-on on 'Bio-Signal Processing & Medical Image Analysis using MATLAB' conducted by SCS-India, during $22^{nd}$ to $23^{rd}$ July 2016 at SJCIT, Chickballapur.

13. Participated in 3-days workshop on "Research Methodologies & Latex" organized by VTU e learning Centre, Mysuru from $29^{th}$ to $31^{st}$ Dec-2014, at VVIET.

14. Participated in 3-days *Mission10X* engineering faculty workshop conducted at BGSIT, BG Nagar from $16^{th}$ to $18^{th}$ Oct-2013.

15. Participated in 5-days workshop on "Advances in Communication and Network Systems" Organized by Department of ECE, BGSIT held from 12th to 16th Mar-2012.

16. Participated in 2-days workshop on "Recent Trends in Front End VLSI System Design" Organized by Department of ECE, BGSIT held from 30th to 31stMar-2011.

**B G S Institute of Technology Faculty Details**

| AWARDS, COMMENDATIONS RECEIVED | | |
|---|---|---|
| **Nature** | **Year** | **Awarding Organization** |
| Academic Excellence Award | 2017 | BGSIT, BG Nagara |
| Appreciation for commitment towards enriching the field of Education | 2021 | ACU, BGSIT |
| **OTHER POSITIONS HELD, MEMBERSHIP OF STATE / NATIONAL COMMITTEES** | | |
| **Position** | **Name of Committee** | **Institution/Organization** |
| Member | BOE (2017-18) | PESCE, Mandya |
| Member | BOS (2018-19) | BGSIT( ACU), BG Nagara |