# P.E.S. College of Engineering, Mandya - 571401
## (An Autonomous Institution, affiliated to VTU, Belagavi)

## Faculty Profile

### General

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|---|---|
| Name | *Sowmya Shree K.M* |
| Designation, | *Assistant Professor* |
| Department & Affiliated Institution | *Department of Master Of Computer Applications, P.E.S College of Engineering, Mandya – 571 401* |
| Research Area | *Software Engineering, Web Technologies, Machine Learning, IOT* |
| Contact Number | *+91 9480658262* |
| Email ID | *sowmyahunya@gmail.com* |

### Academic Profile

#### Educational Qualifications

| Degree | College | University | Year of Passing | % ge | Class |
|---|---|---|---|---|---|
| Ph. D | *P.E.S.C.E,Mandya* | *VTU, Belagavi* | *Registered in 2019* | | |
| M.C.A | *P.E.S.C.E,Mandya* | *VTU, Belagavi* | *2004* | *69* | *I - Class* |
| B. Sc | *P.E.S.C.E,Mandya* | *University of Mysore, Mysuru* | *2001* | *58* | *II - Class* |

#### Professional Experience

| Organization and Department | Designation | Period | Total Experience |
|---|---|---|---|
| *PESCE, Mandya, MCA* | *Temporary Lecturer* | *2005-2006* | *1 Year 5 months* |
| *PESCE, Mandya, MCA* | *Lecturer* | *2007-2011* | *4 years* |
| *PESCE, Mandya, MCA* | *Assistant Professor* | *2011 to Till date* | *10 Year 2 months* |

### Reports on Academic and Research Activities

#### Academic Activities

| Teaching Records (Details of courses taught) | *Post Graduate (M.C.A):* *Communication and Ethics, C Programming, Object Oriented Programming with C++, Data Structures, Web Programming, Software Engineering, Management Information System, Software Testing, Design and analysis of Algorithms.* |
|---|---|

#### Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

| Degree | Ph. D. | M.Sc., Engg. | M.Phil |
|---|---|---|---|
| Awarded | *Nil* | *Nil* | *Nil* |
| Pursuing | *Nil* | *Nil* | *Nil* |

#### Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

| Project Title | Project Funded by | Grants Sanctioned | Grants Received |
|---|---|---|---|
| - | - | - | - |

#### Research Publications in Refereed Journals and Conferences/Symposia

| Number of Publications in | National | International |
|---|---|---|
| Journals | - | *18* |
| Conferences/Symposia | *05* | *01* |

#### Other Important Responsibilities Held in the College

1. *BoS member*
2. *Co-ordinator for business incubator*
3. *Co-ordinator for Gurukul software*
4. *Library council member*
5. *Member of IQAC*

# LIST OF PUBLICATIONS

1. Divya .N and Sowmyashree K M, "Anomaly Based Intrusion Detection System through Feature Selection Analysis and Building Hybrid Efficient Model ", International Journal of Engineering Research and Technology (IJERT), Volume 8, Issue 14, ISSN : 2278-0181, pp: 242-244, special issue 2020.

2. Rashmi .K and Sowmyashree K M, " Crop Prediction using Geographically Distributed Big Data ", International Journal of Engineering Research and Technology (IJERT), Volume 8, Issue 14, ISSN : 2278-0181, pp: 250-252, special issue 2020.

3. Swaraj C.M and Sowmyashree K M, "IOT based Smart Agriculture Monitoring and Irrigation System ", International Journal of Engineering Research and Technology (IJERT), Volume 8, Issue 14, ISSN : 2278-0181, pp: 245-249, special issue 2020.

4. Deepika .K and Sowmyashree K M, "Child Location Monitoring App", International Journal of Engineering Science and Computing (IJESC), Volume 9, Issue 6, ISSN : 2250-1371, pp: 22821-22822, June 2019.

5. Arun Kumar Y and Sowmyashree K.M "Agriculture Prediction Using Machine Learning", International Journal for Science and Advance Research in Technology (IJSART), Volume 5, Issue 5, pp: 1056-1058, ISSN: 2395-1052, May 2019.

6. Nisarga K.L and Sowmyashree K.M "Project Tool Management", International Journal for Scientific Research and development(IJSRD), Volume 7, Issue 3, pp : 1747-1749, ISSN : 2321- 0613, May 2019.

7. Sunil Kumar N and Sowmyashree K.M "Stenography using image audio video", International Journal for Scientific Research and development(IJSRD), Volume 6, Issue 5, pp : 64-66, ISSN : 2321-0613, 2018.

8. Arpitha N S and Sowmyashree K M "Online Furniture Shop Management", International Journal for Scientific Research & Development (IJSRD), Volume 6, Issue 4, pp : 291-292, ISSN : 2321-0613, 2018.

9. Vinay S and Sowmyashree K M "Online Subversion Networking", International Journal for Scientific Research & Development (IJSRD), Volume 6, Issue 4, pp : 1080-1082, ISSN : 2321- 0613, 2018.

10. Shivamurthy M C and Sowmyashree K M, "Malicious Detection in Social Media", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Vol 2, Issue 3, pp : 810-812, May-June 2017, ISSN : 2456-3307.

11. Karthik K and Sowmyashree K M, "Smartphone-Based Wound Assessment System for Patients with Diabetes", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Vol 2, Issue 3, May-June 2017, ISSN : 2456-3307, pp 905-910.

12. Navya N Rao and Sowmyashree K M, "Work Flow with Service Level Agreement", International Journal of Engineering Science and Computing (IJESC), June 2017, Vol 7, Issue 6, ISSN : 2250-1371, pp : 13230-13232.

13. Deepika V M and Sowmyashree K M, "Digitization and Tracking of Thief Vehicles", International Journal of Engineering Science and Computing (IJESC), Vol 7, Issue 6, June 2017, ISSN : 2250-1371, pp : 13086-13090.

14. Deepa P and Sowmyashree K M, "Clinical Management System Using Android Application", International Journal of Engineering Science and Computing (IJESC), Vol 7, Issue 6, June 2017, ISSN : 2250-1371.

15. Ameena Naz and Sowmyashree K M, "Field Assessment Tool for Retail Domain", International Journal of Engineering Science and Computing (IJESC), June 2017, Vol 7, Issue 6, ISSN : 2250-1371, pp : 13288-13293.

16. Ashwini S G and Sowmyashree K M, "GreenDroid: Automated Diagnosis of Energy Inefficiency for Smart Phone Application", International Journal of Engineering Science and Computing (IJESC), Vol 7, Issue 6, ISSN : 2250-1371, pp : 13472-13475, June 2017.

17. Nisha K S and Sowmyashree K M, "ISPORTS", International Journal of Engineering Science and Computing (IJESC), Vol 7, Issue 6, ISSN : 2250-1371, pp : 12940-12942, June 2017.

18. Nischitha N and Sowmyashree K M, "Steganograph Using Reversible Texture Synthesis", International Journal of Scientific Progress and Research (IJSPR), ISSN : 2349-4689, pp 105-108, May-June 2017.

## LIST OF NATIONAL CONFERENCE

1. Divya .N and Sowmyashree K M, "Anomaly Based Intrusion Detection System through Feature Selection Analysis and Building Hybrid Efficient Model ", 1st national conference on Emerging Trends in Engineering Science for Future Technology-(NCETESFT 2020) organized by Sri Siddhartha Institute Of Technology, Tumkur, in association with Technical Institute for Engineers (T.I.E),Bengaluru on 5th August .

2. Rashmi .K and Sowmyashree K M, " Crop Prediction using Geographically Distributed Big Data ", 1st national conference on Emerging Trends in Engineering Science for Future Technology-(NCETESFT 2020) organized by Sri Siddhartha Institute Of Technology, Tumkur, in association with Technical Institute for Engineers (T.I.E),Bengaluru on 5th August .

3. Swaraj C.M and Sowmyashree K M, "IOT based Smart Agriculture Monitoring and Irrigation System **",** 1$^{st}$ national conference on Emerging Trends in Engineering Science for Future Technology-(NCETESFT 2020) organized by Sri Siddhartha Institute Of Technology, Tumkur, in association with Technical Institute for Engineers (T.I.E),Bengaluru on 5$^{th}$ August .

4. Sowmyashree K M , Nidhushree H J , "Governing Software Process ", Two day National level Conference on "Current Trends in e-Governance" organized by Department of Computer Science and Commerce and Management , Govt College(Autonomous), Mandya in association with Centre for e-Governance, Bengaluru on 15$^{th}$ & 16$^{th}$ February 2020.

5. Nischitha N and Sowmyashree K M, "Steganograph Using Reversible Texture Synthesis", 3$^{rd}$ National Conference on Emerging Ternds in Computer Science and Engineering (NCETCSE-2017) in Association with International Journal of Scientific Progress and Research (IJSPR), May-June 2017.

## LIST OF INTERNATIONAL CONFERENCE

1. Sowmyashree K M, Veena M N "Review on different traditional and machine learning techniques for irrigation planning for crop yield prediction", International Conference on Recent Innovative Trends in Computer Science and Applications (ICRITCSA-2019), held at M S Ramaiah Institute of Technology, Bangalore on October 25$^{th}$ & 26$^{th}$ 2019.