

**K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215.****(AUTONOMOUS)****DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING****FACULTY PROFILE**

- 01. Name** : Mrs.M.K Nivodhini  
**02. Designation** : Assistant Professor  
**03. Date of Birth** : 09/09/1988  
**04. Date of Joining** : 01/07/2013  
**05. Qualification** :



| S. No. | Name of the Degree | Specialization | Name of the Institution / University  | Name of the University   | Year of  |           | Class & % of Marks    |
|--------|--------------------|----------------|---------------------------------------|--------------------------|----------|-----------|-----------------------|
|        |                    |                |                                       |                          | Admitted | Completed |                       |
| 1.     | Ph.D               | ICE            | Anna University, Chennai              | Anna University, Chennai | 2022     | -         | -                     |
| 2.     | M.E                | CSE            | Kongu Engineering College, Perundurai | Autonomous               | 2011     | 2013      | I(Distinction) & 8.8  |
| 3.     | B.E                | CSE            | Kongu Engineering College, Perundurai | Anna University, Chennai | 2006     | 2010      | I(Distinction) & 85.0 |

**06. Experience, Promotion & Designation Details (Chronological):****a. Teaching:**

| Sl. No.                            | Name of the Institution                     | Designation         | Nature of work | Period                 |           |
|------------------------------------|---|---------------------|----------------|------------------------|-----------|
|                                    |   |                     |                | From                   | To        |
| 1                                  | K.S.R College of Engineering, Tiruchengode. | Assistant Professor | Teaching       | 01-July-2013           | Till date |
| <b>Total year of Experience(s)</b> |   |                     |                | 10 years and 11 months |           |

**b. Industry:**

| Sl. No.                            | Name of the Organization | Designation | Nature of work | Period |    |
|------------------------------------|--------------------------|-------------|----------------|--------|----|
|                                    |                          |             |                | From   | To |
| -                                  | -                        | -           | -              | -      | -  |
| <b>Total year of Experience(s)</b> |                          |             |                | -      |    |

**07. Publication Details:****a. Conference Details:****National:**

| Sl. No.          | Title of the Research paper  | Name of the author(s)  | Publisher / Journal Name   | Month & Year of publication | DOI & ISSN No. | IF / SJR / SNIP / H index / K index |
|------------------|--|--|----------------------------|-----------------------------|----------------|-------------------------------------|
| <b>2012-2013</b> |  |  |                            |                             |                |                                     |
| 1.               | Modified Schedduling algorithms in Haizea  | M.K.Nivodhini<br>K.Kousalya<br>S.Malliga                     | GCT,<br>Coimbatore         | March 2013                  | -              | -                                   |
| <b>2016-17</b>   |  |  |                            |                             |                |                                     |
| 2                | Enhanced Real-Time Charging Station Recommendation System For Load Base Electric-Vehicle Taxis | M.Gomathi<br>,M.K.Nivodhini,<br>P.Balamurugan,<br>V.Sharmila | Nandha Engineering College | March 2017                  | -              | -                                   |

**International:**

| Sl. No.          | Title of the research paper  | Name of the author(s)  | Publisher / Journal Name   | Month & Year of publication | DOI & ISSN No.        | IF / SJR / SNIP / H index / K index |
|------------------|--|--|----------------------------|-----------------------------|-----------------------|-------------------------------------|
| <b>2012-2013</b> |  |  |                            |                             |                       |                                     |
| 1.               | Algorithms to improve scheduling techniques in IaaS cloud                        | M.K.Nivodhini<br>K.Kousalya<br>S.Malliga   | IEEE Digital Library       | 2013                        | 978-1-4673-5788-3/13/ | -                                   |
| 2.               | Algorithms to improve resource request acceptance rate in IaaS cloud scheduling  | M.K.Nivodhini<br>K.Kousalya<br>S.Malliga   | PSG Tech,<br>Coimbatore    | 2013                        | -                     | -                                   |
| <b>2017-18</b>   |  |  |                            |                             |                       |                                     |
| 3.               | On The Security Of Data Access Control For Multi Authority Cloud Storage Systems | M.K.Nivodhini,<br>P.Vasuki,<br>Kiruthika K,<br>Lokesh P N,<br>Sangeetha C,<br>Suriya Kumar S | Nandha Engineering College | March 2018                  | -                     | -                                   |

| 2018-19 |   |   |                                      |                           |   |   |
|---------|---|---|--------------------------------------|---------------------------|---|---|
| 4.      | Identifying Anonymous Users Across Multiple Social Networks       | B. Manikandan,<br>R. Manikandan,<br>P. Monesha,<br>S. Pradeep kumar,<br>P. Vasuki,<br>M. K. Nivodhini | Sengunthar Engineering College       | March 2019                | - | - |
| 2019-20 |   |   |                                      |                           |   |   |
| 5       | Cryptographic Approach to Securely share and Protect genomic data | M.K.Nivodhini<br>P.Vasuki<br>R.Vishnu<br>J.Santosh kumar<br>R.Rahulraja                               | International Conference ICDSBD 2020 | 22 <sup>nd</sup> Feb 2020 | - | - |

**b. Journal Details:  
National:**

| Sl. No. | Title of the research paper | Name of the author(s) | Publisher / Journal Name with full Expansion | Month & Year of publication | DOI & ISSN No. | IF / SJR / SNIP / H index / K index |
|---------|-----------------------------|-----------------------|--|-----------------------------|----------------|-------------------------------------|
| -       | -                           | -                     | -  | -                           | -              | -                                   |

**International:**

| Sl. No.   | Title of the research paper   | Name of the author(s)  | Publisher / Journal Name with full Expansion               | Month & Year of publication | DOI & ISSN No.                      | IF / SJR / SNIP / H index / K index | Impact Factor |
|-----------|---|--|--|-----------------------------|-------------------------------------|-------------------------------------|---------------|
| 2013-2014 |   |  |  |                             |                                     |                                     |               |
| 1         | Removing rain streaks from the video using MCA algorithm  | M.K.Nivodhini<br>K Yugashini   | International Journal of Engineering Research & Technology | Nov, 2013                   | 2278-0181<br>Volume 2, Issue 11     | -                                   | -             |
| 2016-17   |   |  |  |                             |                                     |                                     |               |
| 2         | Enhanced Real-Time Charging Station Recommendation System For Load Base Electric-Vehicle Taxicabs | M.Gomathi,<br>M.K.Nivodhini,<br>P.Balamurugan,<br>V.Sharmila           | South Asian journal of Engineering and Technology          | March 2017                  | Vol.3,<br>No.5<br>(2017)<br>124-129 | -                                   | -             |
| 2017-2018 |   |  |  |                             |                                     |                                     |               |
| 3         | Data Leakage Detection Using Fake Data for Identifying Guilty Agents                              | P.Vasuki,<br>M.K.Nivodhini<br>N.Ajay,<br>T.Hariharan,<br>J. B.Belshick | International Journal of Engineering Research & Technology | March 2018                  | Vol 7<br>No 3                       | -                                   | -             |

|         |  |  |   |            |                               |   |     |
|---------|--|--|---|------------|-------------------------------|---|-----|
|         |  | Megason,<br>M.Jagadesh<br>Kumar  | (IJERT)   |            |                               |   |     |
| 4       | On The Security Of Data Access Control For Multi Authority Cloud Storage Systems         | M.K.Nivodhini,<br>P.Vasuki,<br>Kiruthika K,<br>Lokesh P N,<br>Sangeetha C,<br>Suriya Kumar S             | International Journal of Intellectual Advancements and Research in Engineering Computations | April 2018 | 2348-2079<br>Vol 6<br>No 2    | - | 4.2 |
| 2018-19 |  |  |   |            |                               |   |     |
| 5       | Identifying Anonymous Users Across Multiple Social Networks                              | B. Manikandan,<br>R. Manikandan,<br>P. Monesha,<br>S. Pradeep kumar,<br>P. Vasuki,<br>M. K.<br>Nivodhini | International Journal of Scientific Research and Review                                     | March 2019 | Volume 07, Issue 03 2279-543X | - | -   |
| 6       | Search rank fraud and malware detection in Google play application                       | Nivodhini<br>M.K, Vasuki<br>.P, Lokesh .L,<br>Monish Kumar,<br>D, Naveen<br>Kumar P.S                    | International Journal of Intellectual Advancements and Research in Engineering Computations | April 2019 | Volume-7 Issue-2 2348-2079    | - | -   |
| 2020-21 |  |  |   |            |                               |   |     |
| 7.      | An Efficient Subjective Sentiment Classification of Hate Speech Using Tri-Model Approach | M. K.<br>Nivodhini   | Geintec, Gestao, Inovacao Technologies  | April 2021 | -                             | - | -   |
| 8.      | Bandwidth Energy Efficient Image Sharing Using CBRD Approach                             | M. K.<br>Nivodhini   | Annals of R.S.C.B.,   | April 2021 | -                             | - | -   |

**Summary:**

|                           | National Level |               | International Level |               |
|---------------------------|----------------|---------------|---------------------|---------------|
|                           | Journal(s)     | Conference(s) | Journal(s)          | Conference(s) |
| <b>At KSRCE</b>           | -              | 1             | 8                   | 2             |
| <b>At others colleges</b> | -              | 1             | -                   | 3             |

## 8. Details of Monographs, Books & Patterns:

| S No. | Title   | Name of the author(s)                                | Publisher Name          | Year of publication |
|-------|---|--|-------------------------|---------------------|
| 1     | Deep Learning Frameworks in the Healthcare Industry | Nivodhini M K, Vasuki P, Banupriya R, Vadivel S      | IGI Global Book Chapter | February ,2024      |
| 2     | Blockchain and Its Role in Leadership               | Nivodhini M. K., Vadivel S., Vasuki P., Banupriya S. | IGI Global Book Chapter | May, 2024           |

## 9. Details of Proposal:

### Public Sector:

| Sl. No. | Title of the Proposal | Details of Funding Agency | Date & Duration | Status |
|---------|-----------------------|---------------------------|-----------------|--------|
| -       | -                     | -                         | -               | -      |

### Private Sector:

| Sl. No. | Title of the Proposal | Details of Funding Agency | Date & Duration | Status |
|---------|-----------------------|---------------------------|-----------------|--------|
| -       | -                     | -                         | -               | -      |

## 10. Details of Winter/Summer Schools Attended (all faculty enrichment programme): (FDP)

| S.No.     | Name of the programme                                       | Organized by                | Date & Duration                    |
|-----------|---|-----------------------------|------------------------------------|
| 2014-2015 |   |                             |                                    |
| 1         | Big Data Analytics and Its Applications                     | KSR IET                     | 07-07-2014 to 12-07-2014<br>6 days |
| 2         | CS 6402-Design and Analysis Of Algorithms                   | KSRCE                       | 08-12-2014 to 14.12.2014<br>7 days |
| 2015-2016 |   |                             |                                    |
| 1         | Infosys –FEP 4.0  | Infosys Campus Connect Team | 13-07-2015 to 18-07-2015<br>6 Days |
| 2017-18   |   |                             |                                    |
| 1         | NPTEL Online Certification Introduction to Programming in C | IIT                         | July-Sep 2017 and 8 weeks          |
| 2         | NPTEL Online Certification Problem Solving Through C        | IIT                         | Jan-Mar 2018 and 12 weeks          |
| 2018-2019 |   |                             |                                    |
| 1         | NPTEL Online Certification Introduction to C++              | IIT                         | July-Sep 2018 and 12 weeks         |
| 2.        | NPTEL Online Certification Programming in Java              | IIT                         | Jan-Mar 2019 and 12 weeks          |
| 2019-20   |   |                             |                                    |
| 1.        | Internet of Things:”Concepts and Implementation”            | IITDM-Kancheepuram          | 15.11.2019 to 19.11.2019           |

|         |   |  |                                     |
|---------|---|--|-------------------------------------|
|         |   |  | 5 Days                              |
| 2.      | Machine Learning using Python and Data Analytics using Hadoop   | ESEC   | 16.12.2019 to 27.12.2020<br>12 days |
| 3.      | Python 3.4.3  | Vivekanandha college of Engineering for Women  | 9.4.2020 to 16.4.2020<br>8 days     |
| 4.      | Python Programming and Machine Learning Techniques  | KSRCE  | 18.5.2020 to 29.5.2020              |
| 2020-21 |   |  |                                     |
| 1.      | Advanced Technology Program   | Wipro  | 24.8.2020 to 28.8.2020              |
| 2.      | Data Sciences   | ATAL   | 7.9.2020 to 11.9.2020               |
| 3.      | Digital Skills Readiness Program  | Wipro  | January to April 2021               |
| 4       | Intelligent Object and Technologies for Building Applications on Data Science with Machine Learning Techniques using Internet of Things | KSRCE  | 8.3.2021 to 21.3.2021               |
| 2021-22 |   |  |                                     |
| 1.      | "Kotlin: The next frontier in Metaprogramming"  | Velalar College of Engineering and Technology. | 05-07-2021 to 09-07-2021            |
| 2.      | Collaboration of AI with AR and VR  | KSR IET  | 14-02-2022 to 19-02-2022            |
| 2022-23 |   |  |                                     |
| 1.      | Computer Vision and Natural Language Processing   | Easweri Engineering College                    | 08-08-2022 to 18-08-2022            |
| 2.      | Advanced tools And techniques for best research   | RV Institute of Technology and Management      | 26-09-2022 to 30-09-2022            |
| 3.      | Big Data  | Wipro  | 12-12-2022 to 16-12-2022            |
| 4.      | Data Science using Machine Learning   | Pravara Rural Engineering College              | 02.01.2023 to 06.01.2023            |
| 2023-24 |   |  |                                     |
| 1       | Python and IOT  | EXCEL R Edutech (P) Ltd                        | 07.08.2023 to 28.08.2023            |
| 2       | HEALTH AND HAPPINESS  | Vivekanandha College Of Engineering For Women  | 04/12/2023 to 09/12/2023            |
| 3       | NPTEL Online Certification Introduction to Internet of Things   | IIT  | July-Sep 2023 and 12 weeks          |
| 4       | NPTEL Online Certification Introduction to Industry 4.0 and Industrial Internet of Things   | IIT  | Jan-Apr 2024 and 12 weeks           |

#### 11. Details of Workshops/ Seminars Attended:

| Sl. No    | Name of the programme | Organized by | Date & Duration |
|-----------|-----------------------|--------------|-----------------|
| 2012-2013 |                       |              |                 |

|           |   |   |                                     |
|-----------|---|---|-------------------------------------|
| 1         | International Outreach 2013<br>Intelligent Computing a 21 <sup>st</sup><br>Century Outlook  | University of Edinburgh,<br>UK & Kongu Engineering<br>College | 18.02.2013 to 23.02.2013<br>6 days  |
| 2         | National Seminar on Cloud<br>Computing for Bioinformatics<br>Applications   | Kongu Engineering College                                     | 13.12. 2012 to 14.12.2012<br>2 days |
| 2013-2014 |   |   |                                     |
| 1         | National Workshop on LaTeX  | K.S.R College Of<br>Engineering                               | 1.02. 2014<br>1 day                 |
| 2014-2015 |   |   |                                     |
| 1         | Seminar on Writing Effective<br>Research Paper(s) and Thesis  | K.S.R College Of<br>Engineering                               | 19.07.2014, 1 day                   |
| 2         | SERB sponsored national level<br>seminar on “ Data Mining<br>Trends & Development for<br>Geospatial Technology and its<br>Applications” | K.S.R College of<br>Engineering                               | 7.1.2015 to 9.1.2015<br>3 days      |
| 2016-17   |   |   |                                     |
| 1         | National Seminar on Soft<br>Computing   | K.S.R college of<br>Engineering                               | 10-02-17 & 11.02.17<br>2 days       |
| 2         | Emergency Trends in<br>Interfacing of Medical<br>Equipment and EMR using<br>Cloud Technology  | K.S.R IET   | 15-2-2017 to 16-2-2017<br>2 days    |
| 2018-2019 |   |   |                                     |
| 1         | Impact of green computing for<br>minimizing e-waste on human<br>health  | K.S.R College of<br>Engineering                               | 03-07-2018 & 04.07.2018<br>2 days   |
| 2         | How to Access e- Resources  | K.S.R College of<br>Engineering                               | 23-01-2019 1 day                    |
| 2019-20   |   |   |                                     |
| 1         | Webinar on the theme Leading<br>in a VUCA World   | ICT Academy   | 20-4-2020 to 24-4-2020              |
| 2         | How to face challenges  | G.T.N.Arts College  | 30.5.2020                           |
| 2020-21   |   |   |                                     |
| 1         | DevOps and It’s Applications  | Muthayammal Engineering<br>College                            | 24.11.2020 1 day                    |
| 2         | Role of Python in Data<br>Analytics and Business<br>Intelligence  | Muthayammal Engineering<br>College                            | 25.11.2020 1 day                    |
| 2021-22   |   |   |                                     |
| 1.        | “Machine Learning for<br>Industrial Consultancy”  | Mahendra Institute of<br>Technology                           | 1-11-2021 1 day                     |
| 2022-23   |   |   |                                     |
| 1.        | The Art of Proposal Writing:<br>Road Map  | K S R Institute for<br>Engineering and<br>Technology          | 15.05.2023 1 day                    |

| 2023-24 |                                 |                                    |                        |
|---------|---------------------------------|------------------------------------|------------------------|
| 1.      | Scientific Writing & Publishing | Sarala Birla University,<br>Ranchi | 31-07-2023 to 04-08-23 |

### 12. Details of Winter/Summer Schools/Workshops/Seminars organized:

| Sl. No | Name of the programme                                       | Sponsored by | Acted as  | Duration                        | Convener      |
|--------|---|--------------|-----------|---------------------------------|---------------|
| 1.     | Cyber Security Awareness Training Program for Women Welfare | ICSSR        | Organiser | 27.04.2021<br>and<br>28.04.2021 | Dr.N.S.Nithya |

### 13. Details of Guest Lecturer / Resource Person inside and outside the college:

(FDP / Training / Workshop / Seminar)

| Sl. No | Name of the programme | Organized by | Date & Duration |
|--------|-----------------------|--------------|-----------------|
| -      | -                     | -            | -               |

14. Area of Interest : Data Structures, Cloud Computing

15. Professional Membership : ISTE

### 16. Details of the Subjects Handled (in KSRCE):

| S.No | Academic Year | Semesters | Name of the Subject                       | Class        | % of Pass |
|------|---------------|-----------|---|--------------|-----------|
| 1.   | 2013-2014     | ODD       | Fundamentals of Computing and Programming | I B.E (EEE)  | 87.6      |
| 2.   | 2014-2015     | ODD       | Data Structures                           | II B.E (CSE) | 97.56     |
| 3.   | 2014-2015     | EVEN      | Professional Ethics in Engineering        | IV BE (CSE)  | 98.5      |
| 4.   | 2014-2015     | EVEN      | Object Oriented Software Engineering      | I ME CSE     | 100       |
| 5.   | 2015-2016     | ODD       | Fundamentals of Computing and Programming | I B.E EEE A  | 91        |
| 6.   | 2015-2016     | ODD       | Fundamentals of Computing and Programming | I B.E EEE B  | 90        |
| 7.   | 2016-2017     | ODD       | Computer Networks                         | II MCA B     | 94.8      |
| 8.   | 2016-2017     | ODD       | Software Engineering                      | II MCA B     | 100       |
| 9.   | 2016-2017     | EVEN      | Cloud Computing                           | IV CSE C     | 97        |
| 10.  | 2016-2017     | EVEN      | Software Requirement Engineering          | III CSE A    | 99        |
| 11.  | 2017-2018     | ODD       | Mainframe Technologies                    | IV CSE C     | 98.5      |
| 12.  | 2017-2018     | ODD       | Information Retrieval Techniques          | II ME        | 100       |
| 13.  | 2017-2018     | EVEN      | Cloud Computing                           | IV CSE C     | 98        |
| 14.  | 2017-2018     | EVEN      | Wireless Communication Networks           | III CSE A    | 83        |
| 15.  | 2018-2019     | ODD       | Software Testing                          | IV CSE B     | 100       |
| 16.  | 2018-2019     | EVEN      | Java Programming                          | II CSE B     | 84        |
| 17.  | 2019-2020     | ODD       | Software Testing                          | IV CSE B     | 100       |
| 18.  | 2019-2020     | ODD       | Advance Data Structures                   | I ME         | 100       |
| 19.  | 2019-2020     | EVEN      | Java Programming                          | II CSE B     | 95        |
| 20.  | 2019-2020     | EVEN      | Entrepreneurship Development              | IV CSE B     | 93        |



|     |           |      |                                  |             |     |
|-----|-----------|------|----------------------------------|-------------|-----|
| 21. | 2020-2021 | ODD  | Software Testing                 | IV CSE B    | 98  |
| 22. | 2020-2021 | ODD  | Advance Data Structures          | I ME        | 100 |
| 23. | 2020-2021 | ODD  | Problem Solving Techniques       | I CSE B     | 96  |
| 24. | 2020-2021 | EVEN | C Programming                    | I CSE B     | 95  |
| 25. | 2020-2021 | EVEN | Information Retrieval Techniques | I ME        | 100 |
| 26. | 2021-2022 | ODD  | Advance Data Structures          | I ME        | 100 |
| 27. | 2021-2022 | ODD  | Problem Solving Techniques       | I CSE A     | 92  |
| 28. | 2021-2022 | EVEN | Information Retrieval Techniques | I ME        | 100 |
| 29. | 2021-2022 | EVEN | Service Oriented Architecture    | IV CSE A ,B | 98  |
| 30. | 2022-2023 | ODD  | Professional Ethics              | IV CSE B    | 100 |
| 31. | 2022-2023 | ODD  | Internet of Things               | II ME       | 100 |
| 32. | 2022-2023 | EVEN | Enterprise Resource Planning     | IV CSE A ,B | 100 |
| 33. | 2023-2024 | ODD  | Problem Solving Techniques       | I CSE A     | 96  |
| 34. | 2023-2024 | ODD  | Advance Data Structures          | I ME        | 100 |
| 35. | 2023-2024 | EVEN | Blockchain Technologies          | IV CSE A ,B | 100 |

## 17. Additional Responsibilities:

### a. College Level

| S.No. | Details of Work                          | Work allotted by | Duration                |
|-------|--|------------------|-------------------------|
| 1     | Placement Training-<br>Technical Trainer | Principal        | 01-06-2018 to till date |

### b. Department Level

| S.No. | Details of Work          | Work allotted by | Duration                 |
|-------|--------------------------|------------------|--------------------------|
| 1.    | Circular Maintenance     | HoD              | 01-07-2013 to 15-02-2014 |
| 2.    | Class Advisor            | HoD              | 01-07-2013 to till date  |
| 3.    | Project Guide            | HoD              | 01-07-2013 to till Date  |
| 4.    | Faculty Work Updation    | HoD              | 01-08-2014 to 14-12-2017 |
| 5.    | Old Record Maintenance   | HoD              | 14-12-2017 to 07-05-2019 |
| 6.    | Department Lab In charge | HoD              | 08-01-2019 to till date  |

## 18. Self-Appraisal

### Major Strengths

1. Team Work
2. Boldness
3. Enthusiastic

### Major Weaknesses:

1. Straight forward
2. Sensitive
3. Emotional

M K Nivodhini

Signature with Name  
[NIVODHINI M K]