

FACULTY PROFILE



Dr. Shobana R. currently serves as Assistant Professor at the Department of Computer Applications, Auxilium College (Autonomous), Vellore- 6. She has 11 years of teaching experience. She completed her B.Sc. Computer Science at Auxilium College (Autonomous), Vellore affiliated to Thiruvalluvar University and acquired M.C.A. from CEG, Anna University, Chennai. She obtained her M. Phil., Computer Science Science at Auxilium College (Autonomous), Vellore affiliated to Thiruvalluvar University and Ph. D in the year 2022 from Government Arts College for Men (Autonomous), Nandanam, Chennai affiliated to Madras University. Her research interests include Data Mining, Cyber Security, Internet of Things and Machine Learning. She has published Books, Patent and papers in international journals and conferences.

1. Name: Dr. R. Shobana
2. Designation: Assistant Professor
3. Qualification: M.C.A., M. Phil., Ph. D.,
4. Mobile number: Nil
5. E-mail id: shobanar@auxiliumcollege.edu.in
6. Teaching Experience: 11 Years
7. Area of specialization: Data Mining
8. Research Experience and Guidance: 6 Years
9. Projects Completed / Ongoing: Nil
10. No. of Papers Published: 6
11. No. of Papers Presented in the National/ International/ Seminars/ Workshops/ Conferences: 12

12. No. of Seminars/Workshops/Conferences organized: 15

13. No. of Books Published/Edited/Co-edited: 2

14. Responsibilities held: DQAC Member of the department from 2020 till 2022, SSR, AQAR, NIRF, IT Club Incharge,

15. Current Responsibilities: Faculty Organizer, Spoken Tutorial, IIT, Bombay. Website Incharge, Department Album Incharge, Photography Incharge

16. Membership in professional bodies: Life Member- Indian Science Congress Association, Kolkata.

17. Other bodies: Acted as a Past Pupil on the Board of Studies in Computer Science at Auxilium College, Vellore for the year –
Apr 2013, Apr 2015, Apr 2016

18. Honors & awards received: 2nd Rank- M.Phil., Auxilium College, Vellore.

Best Paper Presentation Award

- International Conference on IICMIT- Aug 2019, JHA Agarsen College, Chennai.
- National Level Conference on NCBCCM- Aug 2017, Vivekananda College, Kanyakumari.

19. No. of Online Courses completed (Minimum of 4 Weeks): 4

20. Any Other: Acted as an External Examiner in UG Practical Examinations to various Colleges in Thiruvalluvar University

Acted as an External Examiner for Theory Examination to various Colleges in Thiruvalluvar University

Acted as an invigilator in CA Exams

PAPERS PUBLISHED IN CONFERENCES

International Conference on Computing Paradigms- Don Bosco College, Yelagiri Hills, Vellore Dt. (conference- proceedings)

1. R Shobana and Dr. M Suriakala “Detecting the Abnormal SQL Query Using Hybrid SVM Classification Technique in Web Application” International Journal of Data Mining Techniques and Applications (IJDMTA) ISSN: 2278-2419, Volume 08, Issue 01, June 2019, PP 7-21

International Conference on Innovation in Commerce, Management and Information Technology-JHA Agarsen College, Madhavaram, Chennai (conference- proceedings)

2. R Shobana and Dr. M Suriakala “Review of Various Detection and Prevention Techniques of SQL Injection Attack in Web Database” International Journal of Exclusive Management Research (IJEMR) P-ISSN: 2249-8672, Volume 9, Issue Aug 2019, PP 144-147

SEEE Online International Conference on Innovation in Electrical, Electronics and Computing- SEEE, Coimbatore (Conference-proceedings)

3. R Shobana and Dr. M Suriakala “Detecting the Normal and Abnormal Using Hybrid Tree Based SVM Classification Techniques in Web Database” SEEE Online International Conference on Innovation in Electrical, Electronics and Computing (ICI2EIC) ISBN: 978-81-933187-0-6, Volume 1, Issue July 2019, PP 259-269

National Conference on Research Advances in Information and Communication Technology- Government Arts College for Men, Nandanam, Chennai. (Conference- Proceedings)

4. R Shobana and Dr. M Suriakala” Detecting the Normal and Abnormal SQL Query Using Hybrid Tree Based SVM Classification Technique in Web Database” National Conference on Research Advances in Information and Communication Technology (NCRAICT) ISBN: 978-93-5351-635-2, Issue March 2019, P 33

International Conference on Recent Trends in Computers, Electronics and Electrical Engineering- St. Peter's Engineering College, Telangana, Hyderabad. (Conference- proceedings)

5. R Shobana and Dr. M Suriakala” A Comparative Study of Different Types of Nosql Data models And Databases” International Conference on Recent Trends in Computers, Electronics and Electrical Engineering (ICCEEE) ISBN: 978-93-89515-25-1, Issue Aug 2020, P-40

PAPERS PUBLISHED IN JOURNALS

1. R Shobana “**PREDICTION OF CARDIOVASCULAR DISEASES USING BIO-INSPIRED MKCB OPTIMIZATION ALGORITHM**” Journal of Survey in Fisheries Sciences (Web of Science), ISSN: 2368- 7487, 10 (2023), pp. 3651-3660.
2. R Shobana and Dr. M Suriakala “**BYPASSING TWO FACTOR AUTHENTICATION BASED ON CLASSIFICATION USING AHO-CORASICK MATCHING ALGORITHM FOR NOSQL DATABASES**” Turkish Journal of Computer and Mathematics Education (TURCOMAT) (Scopus Indexed), e-ISSN: 1309- 4653, Vol. 12, No.10 (2021), pp. 2947 – 2956.
3. R Shobana and Dr. M Suriakala “**A THOROUGH STUDY ON SQL INJECTION ATTACK- DETECTION AND PREVENTION TECHNIQUES AND RESEARCH ISSUES**” Journal of Information and Computational Science” (JOICS) (UGC Care list Group II), ISSN: 1548- 7741, Vol. 10, Issue 5 (2020), pp. 135 – 143.
4. R Shobana and Dr. M Suriakala “**DETECTING THE ABNORMAL SQL QUERY USING HYBRID SVM CLASSIFICATION TECHNIQUE IN WEB APPLICATION**” Test Engineering And Management” (TEM) (SCOPUS), ISSN: 0193 - 4120, Vol. 83, Issue (March – April 2020), pp. 9301 – 9313.
5. R Shobana and Dr. M Suriakala “**HYBRID APPROACH TO DETECT AND DEFEAT SQLIA IN WEB APPLICATION USING PATTERN MATCHING TECHNIQUE**” International Journal of Advanced Science and Technology” (IJAST) (SCOPUS), ISSN: 2005-4238, Vol. 29, No.5 (2020), pp. 9493 – 9502.

6. R Shobana, “**A COMPARATIVE STUDY OF DIFFERENT TYPES OF NOSQL DATA MODELS AND DATABASES**”
International Journal of Grid and Distributed Computing (IJGDC) (Web of Science- ESCI), ISSN: 2005-4262, Vol. 13, No.2
(2020), pp. 1249 – 1257.

PAPERS PUBLISHED/ACCEPTED/COMMUNICATED

2019

1. R.SHOBANA, “**DETECTING THE ABNORMAL SQL QUERY USING HYBRID SVM CLASSIFICATION TECHNIQUE IN WEB APPLICATION**”, ICCP, Aug- 2019.
2. R.SHOBANA, “**REVIEW OF VARIOUS DETECTION AND PREVENTION TECHNIQUE OF SQL INJECTION ATTACK IN WEB DATABASE**”, IICMIT, Aug- 2019.
3. R.SHOBANA, “**DETECTING THE NORMAL AND ABNORMAL SQL QUERY USING HYBRID TREE BASED SVM CLASSIFICATION TECHNIQUE IN WEB DATABASE**”, ICI2E1C, Jul- 2019.
4. R.SHOBANA, “**DETECTING THE NORMAL AND ABNORMAL SQL QUERY USING HYBRID TREE BASED SVM CLASSIFICATION TECHNIQUE IN WEB DATABASE**”, NCRAICT, Mar- 2019, ISBN 978-93-5351-635-2.
5. R.SHOBANA, “**A SYSTEMATIC APPROACH TOWARD DESCRIPTION AND CLASSIFICATION OF CYBER CRIME INCIDENTS**”, NCRAICT, Mar- 2019, ISBN 978-93-5351-635-2.

2018

1. R.SHOBANA, “**SPECIFIC CROP FERTILITY ON SOIL DATASET USING DATA MINING TECHNIQUES**”, IJARTET, Vol 2,
Special Issue 4, Feb 2018, ISSN 2764-3674.

2. R.SHOBANA, **“ROLE OF GREEN TECHNOLOGY IN THE FUTURE”**, Shanlax International Journal of Arts, Science and Humanities, Jan 2018, UGC Approved Journal Number: 43960.

2017

1. R. SHOBANA, **“DATA CLEANSING USING DATA MINING NOISE HANDLING TECHNIQUES”**, NCGC, Vol. 1, 22 Sep 2017, ISBN: 978 - 93 - 87009 - 05 - 9.
2. R. SHOBANA, **“VISUAL WEB MINING AND HADOOP FOR BIG WEB DATA”**, NCGC, Vol. 1, 22 Sep 2017, ISBN: 978 - 93 - 87009 - 05 - 9.
3. R. SHOBANA, **“SOIL DATA SET ANALYSIS USING DATA MINING TECHNIQUES”**, NCBCCM, 10th – 12th August 2017
4. R. SHOBANA, **“HADOOP ON BIG DATA ANALYSIS”**, IJARTET, Vol 4, Special Issue 4, March 2017, ISSN 2394-3785.

2015

1. R.SHOBANA, **“WEB ENABLED EMPLOYEE PERFORMANCE SYSTEM”**, IJCSIT, Vol. 6 (4), 2015, 3999-4002, ISSN: 0975- 9646.
2. R.SHOBANA, **“COMPARATIVE STUDY OF SECURITY MECHANISM OF BIOMETRIC TECHNOLOGIES”**, ITCSITR, Vol 3, Issue 1, Jan 2015, ISSN 2348- 120X (online); 2348- 1196(Print)

2014

1. R. SHOBANA, **“A COMPARATIVE STUDY ON COMPONENT-BASED SOFTWARE ENGINEERING AND MODEL-DRIVEN DEVELOPMENT ON PROCOM”**, ITCSITR, Vol 2, Issue 4, Dec 2014, ISSN 2348- 120X(online); 2348- 1196(Print)

Seminars/Conference/ Participated Or Presented

2022

1. Participated in the National Level Seminar On “**CLASSICAL CRYPTOGRAPHY**”, at KM.G. College of Arts & Science, Gudiyattam on 27th Aug 2022.

2020

1. AICTE Funded International Conference On “Recent Trends in Computers, Electronics and Electrical Engineering”, as presented a technical paper entitled “**A COMPARITIVE STUDY OF DIFFERENT TYPES OF NOSQL DATA MODELS AND DATABASES**” at St. Peter’s Engineering College, Telangana from 24th to 26th Aug 2020.

2019

1. Two Day International Conference on “Computer Paradigms”, IIR, as presented a technical paper entitled “**DETECTING THE ABNORMAL SQL QUERY USING HYBRID SVM CLASSIFICATION TECHNIQUE IN WEB APPLICATION**” at Don Bosco College, Yelagiri on 30th & 31st Aug 2019.
2. International Conference on “Innovation Integration in Commerce, Management and Information Technology”, as presented a technical paper entitled “**REVIEW OF VARIOUS DETECTION AND PREVENTION TECHNIQUE OF SQL INJECTION ATTACK IN WEB DATABASE**” at JHA Agarsen College, Chennai on 10th Aug 2019.
3. Two Day SEEE Online International Conference on “Innovation in Electrical, Electronics and Intelligent Computing”, as presented a technical paper entitled “**DETECTING THE NORMAL AND ABNORMAL SQL QUERY USING HYBRID TREE BASED SVM CLASSIFICATION TECHNIQUE IN WEB DATABASE**” Coimbatore on 19th & 20th Jul 2019.

4. National Conference on “Research Advances in Information & Communication Technology”, as presented a technical paper entitled “**DETECTING THE NORMAL AND ABNORMAL SQL QUERY USING HYBRID TREE BASED SVM CLASSIFICATION TECHNIQUE IN WEB DATABASE**” at Government Arts College for Men, Chennai on 13th Mar 2019.
5. Participated in the National Seminar On “**FUTURE INDIA-SCIENCE AND TECHNOLOGY**”, at Guru Nanak College, Chennai on 27th & 28th Feb 2019

2018

1. Participated in the National Conference on “**DESIGN CHALLENGES IN MACHINE INTELLIGENCE**”, on 1st Sep 2018, Auxilium College (Autonomous), Vellore.
2. National Conference on “Recent Trends in Computer Science, Applications and Engineering”, NCRTCAE-18, as Presented a technical paper entitled “**SPECIFIC CROP FERTILITY ON SOIL DATASET USING DATA MINING TECHNIQUES**” at Thiruvalluvar University Constituent College Of Arts and Science, Arakkonam on 8th Feb 2018.
3. Two Day International Conference on “Recent Trends in IT”, NCCSA- 18, as presented a technical paper entitled “**THE ROLE OF GREEN TECHNOLOGY IN FUTURE**” at Islamiah Women’s College, Vaniyambadi on 28th & 29th Jan 2018.

2017

1. Participated in the National Seminar On “**CURRENT INNOVATIONS IN COMPUTER TECHNOLOGY**”, at Auxilium College, Vellore on 13th December 2017.

2. One day National Conference on “Green Computing”, NCGC- 17, as presented a technical paper entitled “**DATA CLEANSING USING DATA MINING NOISE HANDLING TECHNIQUES**” at NGM College, Pollachi on 22nd September 2017.
3. One day National Conference on “Green Computing”, NCGC- 17, as presented a technical paper entitled “**VISUAL WEB MINING AND HADOOP FOR BIG WEB DATA**” at NGM College, Pollachi on 22nd September 2017.
4. National Conference on “Biodiversity Conservation and Coastal Management”, NCBCCM- 17, as presented a technical paper entitled “**SOIL DATA SET ANALYSIS USING DATA MINING TECHNIQUES**” at Vivekananda College, Kanyakumari on 10th – 12th August 2017.
5. National Conference on “Recent Trends in Computer Science, Applications National and Engineering” , NCRTCAE-17, as Presented a technical paper entitled “**HADOOP ON BIG DATA ANALYSIS**” at Thiruvalluvar University Constituent College Of Arts and Science, Arakkonam on 3rd March 2017.

2015

1. National Conference on “Recent Trends in Communication Technology”, as Presented a technical paper entitled “**HADOOP ON BIG DATA ANALYSIS**” at Auxilium College Vellore held on 22nd Sep 2015.

2011

1. Participated in State Level Seminar on “**SECURITY IN INFORMATION TECHNOLOGY**” at Auxilium College, Vellore held on 7th September 2011.

Webinar

2020

1. Webinar on “**SOFTWARE DEVELOPMENT LIFE CYCLE**”, Sri Vinayaga College of Arts & Science, Ulundurpet held on 20th June 2020.
2. National Webinar on “**RESEARCH METHODOLOGY**”, Loyola College (Autonomous), Chennai held from 12th to 13th June 2020.
3. Two Days International Webinar on “**INFORMATION TECHNOLOGY ESSENTIALS**”, Auxilium College (Autonomous), Vellore- 6 held from 29th to 30th May 2020.
4. Webinar on “**FUNDAMENTALS OF PYTHON**”, Thirumurugan Arts and Science College for Women held on 24th May 2020.
5. Webinar on “**BRANDING DESIGN & DIGITAL MARKETING**”, Auxilium College (Autonomous), Vellore- 6 held from 22nd to 23rd May 2020.

Workshop

2023

1. One Day Workshop on “**FLUTTER APP DEVELOPMENT WITH ANDROID STUDIO**”, Marcello Tech, Trichy held on 13th Aug 2023

2022

1. National Level Workshop on “**CLOUD SANDBOXING WITH AWS & CYBER SECURITY**”, Sacred Heart College (Autonomous), Tirupattur held on 23rd Sep 2022

2021

1. Workshop on **“DOCUMENTATION AND DATA MANAGEMENT”**, Auxilium College (Autonomous), Vellore held on 29th Oct 2021

2019

1. Five Day ISEA Workshop on **“BLOCKCHAIN TECHNOLOGIES”**, College of Engineering, Anna University, Chennai held from 16th to 20th September 2019.
2. One Day International Workshop on **“NEXTGEN” Technologies- DATA SCIENCE AND MACHINE LEARNING WITH PYTHON**, Government Arts College for Men, Chennai held on 21th August 2019.
3. One Day International Workshop on **“APPLICATIONS OF IOT”**, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai held on 16th July 2019.

2018

1. One Day Workshop on **“ETHICAL HACKING AWARENESS ON NETWORK & SECURITY”**, Voorhees College, Vellore held on 5th October 2018.
2. One Day Technical Workshop on **“CLOUD BASED ARTIFICIAL INTELLIGENCE”**, D.K.M. College for Women, Vellore held on 4th October 2018.
3. One Day Technical Workshop on **“ARTIFICIAL INTELLIGENCE & CHATBOTS”**, Sri Balaji Chockalingam Engineering College, Arni held on 28th September 2018.

2017

1. One Day Workshop on **“PYTHON PROGRAMMING & R PROGRAMMING”**, D.K.M. College for Women, Vellore held on 21th December 2017.
2. One Day Workshop on **“RESEARCH AND DEVELOPMENT IN COLLEGES”** by IQAC, DKMC on 9th December 2017

3. One Day Workshop on **“MYTHS AND REALITIES OF R&D AT COLLEGES: OPPORTUNITIES, CHALLENGES & REPORT WRITING AND PLAGIARISM CHECKING”**, Priyadarshini Engineering College, Vaniyambaadi held on 18th November 2017.
4. Two Day Workshop on **“PYTHON PROGRAMMING”**, Guru Nanak College, Velachery, Chennai held on 26th & 27th September 2017.
5. One Day Workshop on **“IMPROVING RESEARCH DOCUMENTATION WITH LaTeX”**, Dr. Ambedkar Govt. Arts College, Vyasarpadi, Chennai held on 20th February 2017.

2014

1. National Level Workshop on **“QUALITY ASSURANCE IN AUTONOMOUS COLLEGES: THROUGH IQAC”**, D.K.M College for Women, 29 & 30th November 2014.
2. One Day Workshop on **“NEED FOR EXAMINATION REFORMS IN AUTONOMOUS COLLEGES”**, D.K.M College for Women, 22nd January 2014.

2013

1. One Day Orientation on **“ORIENTATION AND RETRAINING OF TEACHERS PROGRAMME”**, at Pravaham, palamethy hills, vellore, 14th September 2013
2. One Day Workshop on **“EXAMINATION REFORMS”**, D.K.M College for Women on 4th March 2013

Faculty Development Programme

2023

1. Faculty Development Program on **“RECENT TRENDS IN DATA SCIENCE”**, Bon Secours College for Women, Thanjavur held from 11.09.2023 to 15.09.2023.
2. Completed 30 Days Masterclass on **“EMBEDDED SYSTEMS”**, Pantech e Learning held from 27.03.2023 to 27.04.2023.

2022

1. 6 Hours of Faculty Development Program on **“SALESFORCE FACULTY ORIENTATION”**, ICT Academy on 03 Nov 2022.
2. Completed 30 Days Masterclass on **“DATASCIENCE2.0”**, Pantech e Learning held from 20.09.2022 to 21.10.2022
3. 5 Day Faculty Development Program on **“MICROSOFT POWER BI DATA ANALYST ASSOCIATE”**, ICT Academy on 20 Jun 2022 to 24 Jun 2022.
4. 12 Hours of Faculty Development Program on **“INTRODUCTION TO PYTHON PROGRAMMING”**, ICT Academy on 06 Jun 2022 to 10 Jun 2022.
5. A Two Week Online Faculty Development Programme on **“LIBREOFFICE SUITE WRITER, CALC & IMPRESS”**, Auxilium College in association with Spoken Tutorial, IIT Bombay from 26th May to 10th Jun 2022.

2021

1. Two Days National Level Faculty Development Program on **“RESEARCH INNOVATION IN COMPUTER SCIENCE AND TECHNOLOGY”**, Marudhar Kesari Jain College for Women, Vaniyambadi on 28th Aug 2021.
2. Two week International Faculty Development Program on **“THE ERA OF CHANGE – RECENT ADVANCEMENTS OF MACHINE LEARNING IN TERMS OF AI & IOT”**, SRM Institute of Science and Technology, Chennai from 12th to 25th Jul 2021.

3. 10 Hours of Faculty Development Program on “**PRODUCTIVE TOOLS IN AUTOCAD**”, ICT Academy on 22 Feb 2021 to 26 Feb 2021.
4. 10 Hours of Faculty Development Program on “**FUNDAMENTALS OF AI**”, ICT Academy on 14 Jun 2021 to 18 Jun 2021.

2020

1. 10 Hours of Faculty Development Program on “**PROCESS MANAGEMENT IN PROBLEM SOLVING**”, ICT Academy on 14 Dec 2020 to 18 Dec 2020
2. Five Days Faculty Development Programme on “**ARDUINO**”, Manakula Vinayagar Institute of Technology, Pondicherry from 12th to 17th June 2020
3. One Week Online Faculty Development Programme on “**MACHINE LEARNING**”, Auxilium College (Autonomous), Vellore from 1st to 7th June 2020
4. Five Days Faculty Development Programme on “**ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**”, CMR Technical Campus, Hyderabad from 18th to 22nd May 2020
5. One Day Faculty Development Programme on “**MACHINE LEARNING ALGORITHMS**”, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai on 13th May 2020.

2019

1. One Day Faculty Development Programme on “**INTELLECTUAL PROPERTY RIGHTS (IPR) AND ITS IMPORTANCE**”, by IQAC at D.K.M College for Women on 14th June 2019.
2. One Day Faculty Development Programme on “**BLOOMS TAXONOMY FOR PROMOTING HIGHER ORDER THINKING**”, by IQAC at D.K.M College for Women on 23rd Feb 2019.
3. One Day Faculty Development Programme on “**MAKING VIDEO LECTURES FOR DIGITAL LEARNING GENERATION**”, by IQAC at D.K.M College for Women on 2nd Feb 2019.

2017

1. One Day Faculty Development Programme on “**RESEARCH AND DEVELOPMENT IN COLLEGES**” by IQAC, DKMC on 9th December 2017.
2. One Day Faculty Development Programme on “**QUALITY ENHANCEMENT IN HIGHER EDUCATION: CHALLENGES AND STRATEGIES**”, by IQAC at D.K.M College for Women on 15th July 2017.

2016

1. Faculty Development Programme on “**QUALITY ASSURANCE IN HIGHER EDUCATION**”, by IQAC at D.K.M. College for Women on 17th December 2016

2014

1. Faculty Development Programme, D.K.M College for Women, 23rd August 2014.

Conference Proceedings

Book Chapters

2019

1. R.SHOBANA “**DETECTING THE ABNORMAL SQL QUERY USING HYBRID SVM CLASSIFICATION TECHNIQUE IN WEB APPLICATION**”, ICCP, Aug- 2019.
2. R.SHOBANA “**REVIEW OF VARIOUS DETECTION AND PREVENTION TECHNIQUE OF SQL INJECTION ATTACK IN WEB DATABASE**”, IICMIT, Aug- 2019.
3. R.SHOBANA “**DETECTING THE NORMAL AND ABNORMAL SQL QUERY USING HYBRID TREE BASED SVM CLASSIFICATION TECHNIQUE IN WEB DATABASE**”, ICI2E1C, Jul- 2019.

4. R.SHOBANA “**DETECTING THE NORMAL AND ABNORMAL SQL QUERY USING HYBRID TREE BASED SVM CLASSIFICATION TECHNIQUE IN WEB DATABASE**”, NCRAICT, Mar- 2019, ISBN 978-93-5351-635-2.
5. R.SHOBANA “**A SYSTEMATIC APPROACH TOWARD DESCRIPTION AND CLASSIFICATION OF CYBER CRIME INCIDENTS**”, NCRAICT, Mar- 2019, ISBN 978-93-5351-635-2.

2017

1. R. SHOBANA “**DATA CLEANSING USING DATA MINING NOISE HANDLING TECHNIQUES**”, NCGC, Vol. 1, 22 Sep 2017, ISBN: 978 - 93 - 87009 - 05 - 9.
2. R. SHOBANA “**VISUAL WEB MINING AND HADOOP FOR BIG WEB DATA**”, NCGC, Vol. 1, 22 Sep 2017, ISBN: 978 - 93 - 87009 - 05 - 9.
3. R. SHOBANA “**SOIL DATA SET ANALYSIS USING DATA MINING TECHNIQUES**”, NCBCCM, 10th – 12th August 2017.

Patent Published

1. Dr. R. Shobana, 2023, IOT Based Irrigation System, Design No. 379499-001, Filed Feb 16, 2023, and Issued May 04, 2023.

Book Published

1. Author & published by: ¹R. SHOBANA (2023), “**MACHINE LEARNING**”, ISBN: 978 – 93 – 5749 – 844 – 9, Publisher: JEC Publication
2. Authors & published by: ¹R. SHOBANA, ²Dr. M. SURIKALA (2019) “**DIGITAL LOGIC FUNDAMENTALS**”, ISBN: 978 – 93 – 5361 – 559 – 8