

**Name of the Staff** : D. Abisha  
**Designation** : Assistant Professor  
**Date of joining in the college** : 09.08.2021  
**E-mail Id** : [abisha\\_cse@nec.edu.in](mailto:abisha_cse@nec.edu.in)



### Educational Qualification

Educational Qualification	Branch	Name of the Institution/University	Yr. of Passing	% Of Marks	Class/ Division
ME	CSE	Anna University, MIT Campus, Chennai	2017	93%	FWD
BE	CSE	Jeppiaar Institute of Technology, Chennai	2015	86%	FWD

**No. of years of Experience**

i. NEC	: 3 years	ii. Other Colleges	: 4 years
iii. Industry	: NIL	iv. Other than above	: NIL

### Expert Lecture Delivered

- Organized and delivered a two-day training program on "My Bharat and Digital Literacy" for NSS program officers from various institutions across South Tamil Nadu. The event took place on May 16-17, 2024, at National Engineering College, Kovilpatti, in collaboration with the Ministry of Youth Affairs and Sports, Government of India.

### Courses Taught

- UG Theory:** Mobile Application Development, Computer Programming, Constitution of India, Cloud Security, Problem Solving Techniques, Cryptography and Network Security, Foundations of Machine Learning, Theory and Applications of Blockchain
- UG Lab:** Computer Programming Laboratory, Problem Solving Techniques Laboratory, Cryptography and Network Security Laboratory
- PG Theory:** Advanced Network Security
- PG Lab:** Data Science Laboratory

### Mentor

S. No	Title	Recognition	Organizer	Date
1.	Facilitating students in Google Cloud Career Launchpad program	Appreciation certificate	Google Cloud	June 2024
2.	Introduction to Internet of Things	Top Performing Mentor	NPTEL	Jan – Apr 2024
3.	Introduction to Industry 4.0 and Industrial Internet of Things	Top Performing Mentor	NPTEL	Jan – Apr 2024
4.	Cloud Computing	Top Performing Mentor	NPTEL	Jan – Apr 2024
5.	Privacy and security in online social media	Top Performing Mentor	NPTEL	Jul – Dec 2023

6.	Cloud Computing	Top Performing Mentor	NPTEL	Jul – Dec 2023
7.	Introduction to Internet of Things	Top Performing Mentor	NPTEL	Jul – Dec 2023
8.	Introduction to Industry 4.0 and Industrial Internet of Things	Top Performing Mentor	NPTEL	Jul – Dec 2023
9.	Cloud Computing	Top Performing Mentor	NPTEL	Jan – Apr 2023
10.	Introduction to Industry 4.0 and Industrial Internet of Things	Top Performing Mentor	NPTEL	Jan – Apr 2023
11.	Introduction to Internet of Things	Top Performing Mentor	NPTEL	Jan – Apr 2023
12.	Ethical Hacking	Mentor	NPTEL	Jan – Apr 2023
13.	Software Testing	Top Performing Mentor	NPTEL	Jul - Dec 2022
14.	Cloud Computing	Top Performing Mentor	NPTEL	Jul - Dec 2022
15.	Introduction to Industry 4.0 and Industrial Internet of Things	Top Performing Mentor	NPTEL	Jul - Dec 2022
16.	IoT based Smart Parking System	As Mentor & Participation	IEEE Egypt	02.09.2023 to 03.09.2023
17.	FOSSEE (Free/Libre and Open Source Software in Education) Project	As Mentor	Indian Institute of Technology Bombay & AICTE	22.02.2022 to 29.03.2022
18.	HMS Mobile Application	Mentor	Adroit Soft India Pvt.Ltd, Chennai	2021-2022
19.	MaskUp	As Mentor & II prize	ProExpo21, IEEE Student branch chapter, National Engineering College, Kovilpatti	18.12.2021
20.	Look for the Presence	As Mentor & Participation	ProExpo21, IEEE Student branch chapter, National Engineering College, Kovilpatti	18.12.2021

### Project Proposals Submitted

1. Developing a Blockchain-Based eVault for Legal Records - Selected in Internal SIH 2023 and submitted in SIH 2023.
2. Development of e-Portal for facilitating CaseManagement Hearing of various types of cases Selected in Internal SIH 2023 and submitted in SIH 2023.
3. Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration - Presented in Internal SIH 2023
4. “Parkinson's Disease Prediction using Machine Learning”, submitted to Tamilnadu State Council for science and technology Student project on 08.10.2023.
5. “Women Safety Sandals using Arduino Nano”, submitted to Tamilnadu State Council for science and technology Student project on 26.09.2023.
6. “Women Safety Sandals using Arduino Nano”, submitted to MSME Idea Hackathon 3.0 (Women) on 04.07.2023.
7. “Design and Implementation of a Blockchain and InterPlanetary File System (IPFS) Network for Securely Storing and Sharing Personal Documents/Records of Individuals in the Armed Forces”, submitted to DRDO during 2023-2024.

8. “Develop a Smart attendance capturing Mobile App”, submitted to Tamilnadu State Council for science and technology Student project on 06.09.2022.

### List of Book Chapters

S.No.	Name of the Authors	Title of Paper	Book Name	Page No & Volume	Year of publication
1.	<b>D Abisha</b> , R. K. Aishwaryalakshmi	Energy Efficient Heuristic Best Search Approach for Scheduling Virtual Machines in the OpenNebula Cloud	Recent Trends in Computational Intelligence and Its Application, CRC Press	146	2023
2.	S Suji, <b>D Abisha</b>	A Comparative Study of Classification Algorithms for the Prediction of Communication Effectiveness	Recent Trends in Communication and Intelligent Systems, ICRTCIS, Springer Nature Singapore	179-192	2023
3.	R Hannah Lalitha, D Weslin, <b>D Abisha</b> , VR Prakash	A Hybrid Split and Merge (HSM) Technique for Rapid Video Compression in Cloud Environment	Computer Networks, Big Data and IoT: Proceedings of ICCBI 2021, Springer Nature Singapore	969-979	2022

### Industry Know How

S.No	Company Name	Topic	Date
1.	Vlinder Labs Private Limited, Bangalore	Introduction to Blockchain and Solidity	09.12.2023 to 07.01.2024 (40 hours)
2.	Adroit Soft India Pvt. Ltd., Chennai	Mobile Application Development and Rest API	08.08.2022 to 13.08.2022

### List of International Journals

S.No.	Name of the Authors	Title of Paper	Name of Journal	Page No & Volume	Year of publication	Impact Factor
1.	Suji S Kalaiselvi P, <b>Abisha D</b> , Shenbagalakshmi S, Keerthiga M	Exploring the Efficacy of an Android Application for a Mentor/Mentee Management System	Journal of Android and IOS Applications and Testing	30-39 & 8	2023	-
2.	<b>D Abisha</b> , RK Aishwaryalakshmi, G Sneka, N Deepitha	Development of An Android-Based Visual Implementation of Student Project Allocation System	Journal of Android and IOS Applications and Testing	8-15 & 7	2022	-

3.	Ms RK Aishwaryalakshmi, Ms <b>D Abisha</b> , Ms M Ganaga Muneeswari, Ms V Soniya	Transfer Learning based Machine Learning Models for Heart Disease Prediction in Earlier Stage	Journal of Image Processing and Artificial Intelligence (e-ISSN: 2581-3803)	1-9&8	2022	-
4.	A Priyadarshini, K Gunaseelan, S Karthik, <b>D Abisha</b>	Perlustration on Techno Level Classification of Location Based Services	International Journal of Advance Research, Ideas and Innovations in Technology	753-758 & 4	2018	4.295

### List of National Journals

S.No	Name of the Authors	Title of Paper	Name of Journal	Page No. & Volume	Year of publication
1.	Abisha D	Perlustration on Authentication Protocols in 4G (LTE/LTE-A) using Pro-Verif	Journal of Network Security Computer Networks	3	2017

### List of International Conference

S.No	Name of the Authors	Title of Paper	Name of the Conference	Year of publication
1.	<b>Abisha D</b> ; Mahalakshmi M; Pritiga T; Thanusiya M; Punitha Sahaya Sherin A; Navedha Evanjalín R	Revolutionizing Rural Healthcare in India: AI- Powered Chatbots for Affordable Symptom Analysis and Medical Guidance	2024 International Conference on Inventive Computation Technologies (ICICT)	2024
2.	<b>Abisha D</b> , Navedha Evanjalín R, Ida Christy J, Syed Rabiya M, Bala Dinesh S	ARtViz: Enhancing Art Books with Marker-Based Augmented Reality for 3D Visualization using Vuforia and Unity	5th International Conference on Image Processing and Capsule Networks	2024
3.	<b>Abisha D</b> , Syed Rabiya M, Ida Christy J, Navedha Evanjalín R, Amsaprabhaa M	A Robust Machine Learning Framework for Early Prediction of Parkinson's Disease	5th International Conference on Innovative Trends in Information Technology (ICITIT'24)	2024
4.	<b>Abisha D</b> , S Varshini, A Thejaswini, P Sineka, Navedha Evanjalín R, Ida Christy J	Blockchain-Enabled Pharmacy Supply chain Management: Ensuring Transparency and Efficiency	International Conference on Sustainable Communication Networks and Application	2023
5.	Amsaprabhaa M, <b>Abisha D</b>	STGCN-SHOA: A Spatial- Temporal graph Convolutional Network for athletes' gait analysis using Spotted Hyena Optimization algorithm	3 <sup>rd</sup> IEEE International Conference on Advanced computing technologies and applications 2023 (ICACTA)	2023
6.	<b>Abisha D</b>	Helmet Detector using Deep Learning	1st IEEE International Conference on Multidisciplinary Research in Technology and Management – MRTM 23	2023
7.	Abisha D	Trusted Crowd Funding Platform: Using blockchain for Funders and Fundraisers	1st IEEE International Conference on Multidisciplinary Research in Technology and Management – MRTM 23	2023

8.	<u>Punitha Sahaya Sherin A, Abisha D, Pritiga T, Thanusiya M, Amsaprabhaa M, Navedha Evanjalini R</u>	<u>An Investigation into the Implementation and Effectiveness of an IoT-based Smart Parking System</u>	IEEE 2023 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)(I-SMAC)	2023
9.	S Varshini, D Abisha, A Thejaswini, P Sineka	<u>Exploring the Potential of Arduino Nano for Enhancing Women's Safety through Smart Sandals</u>	IEEE 2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS)	2023
10.	M Keerthiga, D Abisha, P Kalaiselvi, S Shenbagalakshmi	<u>Machine Learning-based Depression Prediction using Social Media Feeds</u>	IEEE 2023 International Conference on Inventive Computation Technologies (ICICT)	2023
11.	Mahalakshmi.M ManoBharathi V, Abisha D, JeyaRajaNandhini.B	5G Core Network Attack Classification in Control Panel from Network Protocol Perspective	7th International conference on Recent Advances in Science, Engineering and Management (ICRASEM - 2022)	2023
12.	Suji S, D Abisha, Vaishnupriya S	Prediction of Communication Effectiveness Using Naïve Bayes Algorithm	<u>Proceedings of the International Conference on Innovative Computing &amp; Communication (ICICC) 2022</u>	2022
13.	Fina Jeffi A Heena Fathima P, Abisha D, Sushmitha Saro R	Network Security Attacks in Bluetooth 5.2 - A Review	7th International conference on Recent Advances in Science, Engineering and Management (ICRASEM - 2022)	2022
14.	RN Karthika, C Valliyammai, D Abisha	<u>Data deduplication and fine-grained auditing on big data in cloud storage</u>	Advances in Machine Learning and Data Science: Recent Achievements and Research Directives (Springer Singapore)	2018
15.	RN.Karthika, D. Abisha, C. Valliyammai	<u>Perlustration on techno level classification of deduplication techniques in cloud for big data storage</u>	IEEE Eighth International Conference on Advanced Computing (ICoAC)	2016

### Project Expo

S. No	Project Title	Recognition	Organizer	Date
1.	IoT based Smart Parking System	As Mentor & Participation	IEEE Egypt	02.09.2023 to 03.09.2023
2.	Develop a Smart attendance capturing Mobile App	Proposal Submitted	Tamilnadu State Council for science and technology Student project	06.09.2022
3.	FOSSEE (Free/Libre and Open Source Software in Education) Project	As Mentor	Indian Institute of Technology Bombay & AICTE	22.02.2022 to 29.03.2022
4.	MaskUp	As Mentor & II prize	ProExpo21, IEEE Student branch chapter, National Engineering College, Kovilpatti	18.12.2021
5.	Look for the Presence	As Mentor & Participation	ProExpo21, IEEE Student branch chapter, National Engineering College, Kovilpatti	18.12.2021

Short term Courses / Seminar / Conference / Workshop Attended

S. No	Institution	Topic	Course Detail	Date
1	Anna University Regional Campus, Tirunelveli	Foundations of Data Science	Faculty Development Programme	21.08.2023 to 26.08.2023
2	University of Virginia	Design Thinking for Innovation	Coursera	Oct-Nov 2023
3	Noorul Islam Centre for Higher Education, Nagercoil	Cloud Practitioner (AWS)	FDP, ICT Academy	27.03.2023 to 31.03.2023
4	IIT Patna	Artificial Intelligence (AI) – powered smart healthcare systems	AICTE Training and Learning (ATAL) Academy	07.11.2022 to 18.11.2022
5	NPTEL IIT Kharagpur	Introduction to Industry 4.0 and Industrial Internet of Things	12 Week Course	Jul-Oct 2022
6	VIT Chennai	Information Security: Analytics Tools, Use Cases and Demo	Online Faculty Development Programme	05/08/2022-06/08/2022
7	Department of EXTC & CSE, P.R. Pote Patil College of Engineering & Management in association with PANTECH E LEARNING	Augmented & Virtual Reality with Data Science	Online FDP	06/06/2022to 11/06/2022
8	NPTEL AICTE	Python for Data Science	4 weeks course-one week FDP	Jan-Feb2022
9	Indian Institute of Information Technology, Una	Data Science	AICTE Training And Learning (ATAL) Academy Online FDP	27/12/2021to 31/12/2021
10	Lakireddy Bali Reddy College of Engineering, Andhra Pradesh	Design Thinking: From Insights to Viability for Engineers	AICTE Training And Learning (ATAL) Academy Online FDP	06/12/2021to 10/12/2021
11	Institute of Road and Transport Technology, Erode	Role of Block Chain Technology in India- An insight into public sector	AICTE Training And Learning (ATAL) Academy Online FDP	22/11/2021to 26/11/2021
12	National Institute of Technical Teachers' Training and Research Kolkata.	Machine Learning with R Programming	AICTE Training And Learning (ATAL) Academy Online FDP	25/10/2021 to 29/10/2021
13	NPTEL AICTE	Bigdata Computing	8 weeks course-one week FDP	Aug 2021- Oct 2021

**Shortterm Courses/Seminar/Conference/Workshop Attended**

S.No	Institution	Topic	Course Detail	Date
1	Dynamic Minds Group & Google For Education	Digital and AI tools in Education	Webinar	05.01.2024
2	National Engineering College	Stochastic Approximation Algorithms	Instructional Course	27th and 28th April 2023
3	FICE & INTEL Software	Intel Webinar on AI in Agriculture	Webinar	10/09/2022
4	Sri Sivasubramaniya Nadar College of Engineering, Chennai	Amazon Web Services	Seminar	25/01/2022
5	Sri Bharathi Engineering College for Women, Kaikkurichi, Pudukkottai	Android App Development	Seminar	18/12/2021
6	Saveetha School of Engineering, Chennai	Feasibility Of Deep Learning Techniques For Solving Real World Problems	Webinar	29/10/2021
7	M.O.P. Vaishnav College for Women (Autonomous), Chennai	Big Data Engineering for Analytics	Webinar	26thMay2020
8	M.O.P. Vaishnav College for Women (Autonomous), Chennai	Data Warehousing using Azure Platform	Webinar	23-05-2020
9	Dhanalakshmi Srinivasan College of Engineering, Coimbatore	Virtualization in Cloud Computing	Webinar	20-05-2020
10	SRM Easwari Engineering College, Chennai	BlockChain	Webinar	16-05-2020
11	JSPM's Kautilya Institute of Management and Research, Wagholi, Pune	What's Next? Future of Work Post Covid-19- An HR Perspective	Webinar	12-05-2020
12	JSPM's Kautilya Institute of Management and Research, Wagholi, Pune	Opportunities in Financial Modelling After Corona Lockdown	Webinar	07-05-2020
13	Shree L.R. Tiwari College of Engineering, Maharashtra	Digital Learning Resources	National Level Online Quiz	1-05-2020
14	Mahendra Engineering College	Agile Methodologies	National Level Virtual Seminar	28thMay2020

#### Shortterm Courses / Seminar / Conference / Workshop Attended

S.No	Institution	Topic	Course Detail	Date
1	Central Library Readers Park, National Engineering College, Kovilpatti	IEEE: Enhancing Your Project Work and Research	Awareness Programme about IEEE Xplore and EBSCO eBooks	26th July 2023
2	SRM University Learning Centre, SRM University, Kattankulathur	eLab Python Programming	Workshop	26th and 27th September 2017

3	University, CEG Campus, Chennai	Make In India-Transforming Research to Reality	Workshop	September 2017
4	University, CEG Campus, Chennai	Python Programming	Workshop	17th and 18th August 2017
5	IIT Madras Research Park	Advanced Ethical Hacking (HACK2017)	Workshop	13th August 2017
6	IIT Madras Research Park	Python Programming (Python2017)	Workshop	30th July 2017
7	SRM University	E-Hack	Workshop	July 2013

## CERTIFICATION

1. Completed a course on Design Thinking for Innovation from Coursera on Nov 2023.
2. Completed a course on AWS Academy Graduate - AWS Academy Cloud Foundations from aws Academy on March 2023.
3. Completed a course on Blockchain Development for Beginners from Infosys Springboard on Jan 2023.
4. Completed NPTEL course on Introduction To Industry 4.0 And Industrial Internet Of Things from Jul - Oct 2022 with Elite.
5. Completed Phase 1 training from National Initiative For Technical Teachers Training (NITTT) on February 2022.
6. Completed Module 3- Communication Skills, Modes and Knowledge Dissemination from National Initiative For Technical Teachers Training (NITTT) on February 2022.
7. Completed NPTEL course on Python for Data Science from Jan-Feb 2022 with Elite Score 61%.
8. Completed C++ Sololearn on 19/10/2021.
9. Completed NPTEL course on BigData Computing from Aug-Oct 2021 with Elite Score 65%
10. Completed Module 8- Institutional Management and Administrative Procedures from National Initiative For Technical Teachers Training (NITTT) on September 2021.
11. Completed Module 7- Creative Problem Solving, Innovation and Meaningful R&D from National Initiative For Technical Teachers Training (NITTT) on September 2021.
12. Completed Module 6- Student Assessment and Evaluation from National Initiative For Technical Teachers Training (NITTT) on September 2021.
13. Completed Module 5- Technology Enabled Learning and Lifelong Self Learning from National Initiative For Technical Teachers Training (NITTT) on September 2021.
14. Completed Module 4- Instructional Planning and Delivery from National Initiative For Technical Teachers Training (NITTT) on September 2021.
15. Completed Module 2- Professional Ethics and Sustainability from National Initiative For Technical Teachers Training (NITTT) on September 2021.
16. Completed Module 1- Orientation towards Technical Education & Curriculum Aspects from National Initiative For Technical Teachers Training (NITTT) on February 2021.
17. Certification on Teaching Online: Learn About the National Online Teaching Standards from edWeb.net (2020)
18. Certification on Big Data for better performance (2017)
19. Certification in Python (2017)



20. Certification in Intellectual Property Rights Procedures and Best Practices from Tamil Nadu Technology Development and Promotion Centre (TNTDPC) of Confederation on Indian Industry (CII) and CIPR (2016)
21. Got Foundation Program Certification from Infosys Campus Connect Program (2014)
22. Certification from AMCAT (2014)
23. Certification in C, C++ from IIT, Bombay (2013)
24. Certification in Diploma in J2EE Programming (2013)
25. Certification in Diploma in Computer Application (DCA) (2011)

### **Specific Achievement if any**

- ❖ Top Performing Mentor for the NPTEL Online Certification Course Cloud Computing (Jan – Apr 2023)
- ❖ Top Performing Mentor for the NPTEL Online Certification Course Introduction to Industry 4.0 and Industrial Internet of Things (Jan – Apr 2023)
- ❖ Top Performing Mentor for the NPTEL Online Certification Course Introduction to Internet of Things (Jan – Apr 2023)
- ❖ Mentor for the NPTEL Online Certification Course Ethical Hacking (Jan – Apr 2023)
- ❖ Top Performing Mentor for the NPTEL Online Certification Course Software Testing (Jul - Dec 2022)
- ❖ Top Performing Mentor for the NPTEL Online Certification Course Cloud Computing (Jul - Dec 2022)
- ❖ Top Performing Mentor for the NPTEL Online Certification Course Introduction to Industry 4.0 and Industrial Internet of Things (Jul - Dec 2022)
- ❖ Academic Achievement Award in Undergraduate for excellence in academics (2011 - 2015)

### **Membership in Professional bodies**

Name of Society	Grade of Membership
Institute For Engineering Research and Publication (IFERP)	Member
International Association of Engineers (IAENG)	Member

### **Roles & Responsibilities**

- Department Target Incharge 2024-2025
- Department Social Media Coordinator 2023-2024
- Department Exam Wing Incharge 2022-2023
- Department Library Incharge 2022-2023
- NBA Expert Team Visit – Department Coordinator – Deputed by IQAC 2022-2023
- Technical Committee Member in All India Seminar on Revolution in Health Care – AI and IoT- IEI
- Conducted Google Cloud Workshop in NEC TechFest 2024.
- NBA Protocol Committee Member 2023-2024
- MyBharat Portal Master Trainer, Attended a training program in New Delhi. 2023-2024
- Appointed as AUR for other autonomous college in May, 2024.
- Department Exam Wing Incharge
- Department Library Incharge
- Department Social Media Incharge
- NBA Criteria 3 Department Member

- NAAC Criteria 2 Department Member
- NBA Criteria 6 Department Convenor
- Department NPTEL Student Coordinator
- Department IEI Faculty Advisor
- Department Cyber Club Faculty Advisor
- Department Focus Group Member – Theory and Algorithms