

**R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY
(AN AUTONOMOUS INSTITUTION)****RSM Nagar, Puduvoyal– 601206****Department of Computer Science and Engineering****VISION**

To be a source of knowledge in the field of computer science and to cater the growing need of industry and society.

MISSION

- To avail state-of-the-art infrastructure for adopting cutting edge technologies and encouraging research activities.
- To promote industrial collaborations for professionals for professional competency.
- To nurture social responsibility and ethics to become worthy citizens.

PROGRAM EDUCATION OBJECTIVES (PEOs)

Graduates of Computer Science and Engineering Program will be able to

PEO1: Be the most competent professional in all spheres and pursue higher education across the globe.

PEO2: Successfully carry forward domain knowledge in computing and all ideates to solve complex real world engineering problems.

PEO3: Continuously upgrade their technical knowledge and expertise to keep pace with the technological revolution.

PEO4: Serve humanity with social responsibility combined with ethics.

PROGRAM OUTCOME

- Engineering Knowledge: Apply knowledge of mathematics, science, engineering fundamentals and engineering specialization to the solution of complex engineering problems.
- Problem Analysis: Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
- Conduct investigations of complex problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.

- The Engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
- Environment and Sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
- Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
- Project Management and Finance: Demonstrate knowledge and understanding of engineering and management principles and apply them to one's own work, as a member and leader in a team, to manage projects and in multi-disciplinary environments.
- Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES

Graduates of Computer Science and Engineering Program will be able to:

- Analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.
- Apply software engineering principles and practices for developing quality software for scientific and business applications.
- To implement cost-effective solutions for the betterment of both industry and society with the technological skills acquired through the Centers of Excellence.

DEPARTMENT ACTIVITIES

- **Dr. P. Valarmathie, Dr. M. Arun Manicka Raja, and Dr. N. R. Rejin Paul** organized a Faculty Development and Training Programme on **Augmented Reality/Virtual Reality** from 02.01.2023 to 07.01.2023. The resource persons included **Dr. S. Swamynathan, Dr. A. Kannan, Dr. S. Ganapathy, Dr. S. Muthuraj kumar, Mr. Robin Reni, Mr. R. Vijayaragavan, and Dr. V. Shanmuganeethi**. The event targeted faculty members of Anna University Affiliated Colleges and took place online via Google Meet.

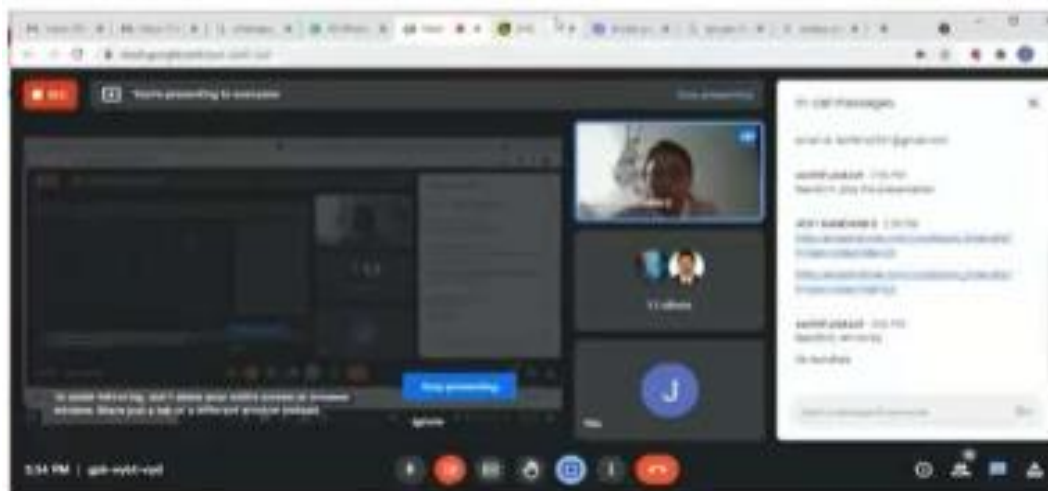


- **Mr. R. Prem Kumar and Ms. V.T. Vithya** organized a Guest Lecture on **Global IT Trends** from an Industry Perspective on 30.09.2023, featuring **Mr. Sakthivel Kandasamy**, Senior Manager at Accenture India Pvt. Ltd. The target audience was III CSE, and the venue was NB Seminar Hall.
- **Mr. R. Prem Kumar and Ms. V.T. Vithya** also organized a Guest Lecture on **Engineering Cyber Security** on 07.10.2023, with **Mr. Sibi Chakravarthy**, Associate Professor at the School of Computing, VIT, Amaravati, as the resource person. The event was aimed at II CSE and took place in the NB Seminar Hall.
- **Dr. P. Valarmathie and Dr. N. P. Ponnudiji** organized a DST-SERB Seminar on **Navigating the Cloud Security Frontier: Unraveling Challenges in Cloud Computing** from 06-10-2023 to 07-10-2023. The resource persons included **Dr. S. Swamynathan, Dr. A. Kannan, Mr. A. Ananda Raman, Mr. M. K. Kumaresan, Dr. S. Sibi Chakravarthy, and Dr. B. Hariharan**. The event targeted faculty members, research scholars, industry experts, and students and took place in the NB Seminar Hall.

DEPARTMENT ACTIVITIES

- The Creative Art Club organized an event titled **"Upcycling the Ideas (Making Best Out of Waste)"** on February 23, 2023, at NB Second Floor Seminar Hall. The organizers was **Ms. Vithya V T and Ms. Kathija Nasreen A**, targeting students in the II and III years.
- The Photography Club hosted **"Historical Buildings Today"** on February 22, 2023, as an online event. **Mr. R. Prem Kumar and Ms. P. Aparna** served as resource persons for II and III-year students.
- The Literary Club conducted a Poetry Writing Competition on the topic **"Forest"** on April 17, 2023, at NB Second Floor Seminar Hall. **Dr. G. Indra, Ms. Jayabharathi R, and Ms. Judithreya** organized the event for students in II and III years.
- The Coding Club presented **"Codeathon 23"** on March 8, 2023, at NB First Floor, with the organizers **Dr. J. GnanaJeslin and Ms. N. Kalyani** as trainers for II and III-year students.
- The Poster Making Club organized **"Nurture Young Minds, Create a Safety Culture"** on February 20, 2023, as an online event. **Ms. R. Sandhiya and Ms. P. Sreelekha** led the session for II and III-year students.
- **Dr. Siva Subramanian R** conducted **"Codeathon 23"** on September 3, 2023, as an online event for II and III-year students.
- On September 10, 2023, **Dr. Siva Subramanian R and Mr. Anto Gracious L.A** organized another session of **"Codeathon 23"** online for II and III-year students.
- Continuing the series, on September 17, 2023, the organizers are **Dr. Siva Subramanian R and Mr. Anto Gracious L.A** hosted **"Codeathon 23"** online for II and III-year students.
- The DST-SRB Seminar on **"Navigating the Cloud Frontier: Unravelling Challenges in Cloud Security"** from October 6 to October 7, 2023, at NB Second Floor Seminar Hall. **Dr. Valarmathie P and Dr. Ponnuviji N P** were the resource persons, targeting faculty members, industry persons, and research scholars.
- The Creative Art Club organized an event on **"Freedom and Social Change"** on September 7, 2023, at NB Seminar Hall. **Ms. Kathija Nasreen A and Ms. Vithya VT** coordinated the event for II and III-year students.
- The Creative Art Club organized an event on **"National Recycle Environment"** on November 27, 2023, at NB Seminar Hall. **Ms. Kathija Nasreen A and Ms. Vithya VT** coordinated the event for II and III-year students.
- The **"Codeathon 23"** by **Dr. Siva Subramanian R and Ms. R. Saranya** took place online on October 8, 2023, for students in II, III, and IV years.

- The Association conducted the **"CSE Students' Association Inauguration"** on September 30, 2023, at NB Second Floor Seminar Hall. **Dr. G. Indra** organized the event for II and III-year students.



- The DST-SRB Seminar on **"Recent Advances and Research Issues in Next-Generation Cyber Security Technologies"** occurred from April 28 to April 29, 2023, at NB Second Floor Seminar Hall. **Dr. K. Ramar**, **Dr. Valarmathie P**, and **Mr. Anish T.P** served as resource persons, targeting faculty members, industry persons, and research scholars.



PLACEMENT & TRAINING ACTIVITIES

- Wipro organized the **"Wipro Talent Next"** training for the batch 2020-24, featuring **Mr. R.Prem Kumar and Mr. Anto Gracious L.A** as resource persons. The online training took place from June 14 to June 17, 2023.
- Wipro Organized the **"Wipro Talent Next"** training for the batch 2020-24 was conducted with **Dr. Siva Subramanian R and Ms. Kalaipriya V** as trainers. The online training spanned from June 2023 to June 24, 2023.
- Smart Training Resources conducted an **"Aptitude Training Programme"** for the batch 2022-26 on August 16-18, 2023, in respective class rooms.
- The **"Aptitude Training Programme"** for the batch 2022-26 was repeated on August 22-25, 2023, in respective class rooms.
- The **"Aptitude Training Programme"** for the batch 2022-26 continued on September 20-23, 2023, in respective class rooms.
- The batch 2022-26 underwent the **"Aptitude Training Programme"** from October 4 to October 6, 2023, in respective class rooms.
- Smart Training Resources organized an **"Aptitude Training Programme"** for the batch 2023-25 on August 28-29, 2023, in respective class rooms.
- The **"Aptitude Training Programme"** for the batch 2023-25 was repeated on September 25-26, 2023, in respective class rooms.
- The **"Aptitude Training Programme"** for the batch 2023-25 continued on October 20-2023, 2023, in respective class rooms.
- FACE conducted an **"Entrepreneur Development Workshop"** for the batch 2022-26 on August 28, 2023, at NB Seminar Hall.
- Skill Rack organized a **"Coding Test"** for the batch 2022-26 on September 27, 2023, at NB Third Floor Computer Lab.
- SHL conducted an **"AMCAT Orientation Programme"** for the batch 2022-26 on October 5, 2023, at NB Seminar Hall.
- Iamneo hosted a **"Workshop on Advanced Java Programming"** for the batch 2022-26 on October 17-18, 2023, at NB Third Floor Computer Lab.
- Iamneo conducted an **"Assessment - Advanced Java Programming"** for the batch 2022-26 on October 19, 2023, at NB Third Floor Computer Lab.

- Strides Consulting provided **"TOEFL Examination Training"** for the batch 2023-25 on November 3-4, 2023, in respective class rooms.
- FACE organized **another "Entrepreneur Development Workshop"** for the batch 2023-25 on November 6, 2023, at NB Seminar Hall.
- Iamneo conducted a **"Coding Test"** for the batch 2023-25 on October 25, 2023, at NB Third Floor Computer Lab.
- SHL India Pvt Ltd conducted an **"AMCAT L3 Assessment"** for the batch 2023-25 on November 4, 2023, at respective places.
- SHL India Pvt Ltd's **"AMCAT L1 Assessment"** for the batch 2022-26 took place on November 6, 2023, at NB Third Floor Computer Lab.
- Smart Training Resources conducted an **"Aptitude Training Programme"** for the batch 2020-24 from January 3 to January 5, 2024, in respective class rooms.
- Skillrack organized a **"Coding Webinar"** for the batch 2020-24 from January 6 to January 8, 2024, at NB Third Floor Computer Lab.
- Smart Training Resources continued the **"Aptitude Training Programme"** for the batch 2023-25 from January 4 to January 6, 2024, in respective class rooms.
- The **"Aptitude Training Programme"** for the batch 2022-26 continued from January 8 to January 11, 2024, in respective class rooms.

CENTER OF EXCELLENCE (COE) ACTIVITIES

1. CYBER SECURITY COE

- The **Cybersecurity COE** conducted an event for third-year students titled "Events" on January 4, 2023, featuring Haritha Natarajan, an Analyst from Columbus Global Services, Hyderabad, as the resource person. The event was sponsored by RMK and held online.
- Continuing the series, the **Cybersecurity COE** organized another event for third-year students titled "Events" on January 5, 2023, with S. Ananda Kumar, an Associate Pentester at M2P Fintech, as the resource person. The event was sponsored by RMK and conducted online.
- Ms. Jeevitha, a Member Technical Staff from ZOHO Corp, was the resource person for the **Cybersecurity COE** event titled "Cyber Security Recent Trends in Information Technology World" for third-year students on January 7, 2023. The event, sponsored by RMK, was conducted in online mode.

- **Mr. Srimurugarasan Muthukrishnan**, Information Security Manager at Ainqa, Malaysia, conducted an event for third-year students titled "Events" on January 6, 2023. The event, sponsored by RMK, was held online.
- The **Cybersecurity COE** organized an event for second-year students on September 25, 2023, in RMK RJ Seminar Hall 2. Mr. A. Janagaraj, Global Cyber Security Practice Unit Head from LTI Mind Tree Pvt Ltd, served as the resource person.
- The **Cybersecurity COE** took place on October 12, 2023, in RMK RJ Seminar Hall Mr. Balaji Muthukumaraswamy, Director from Hubstram India, was the resource person for the event for the batch 2022-2026 students sponsored by RMK.

2. FULL STACK TECHNOLOGY (COE)

- RMK organized an event for students in the **Full Stack Technology program**.

3. CLOUD COMPUTING (COE)

- The Cloud Computing COE for batch 2022-2026 students on September 4, 2023, in RMKEC Open Seminar Hall. The resource persons were Mr. Senthilnatha, Senior Vice-President at Atos Global IT Solutions, Mr. Umang Chibber, Head of Microsoft Practice-Product and Solutioning at ATOS Global IT Solutions, and Mr. Alok Kumar, Director HR/Recruitment at the ATOS Global IT Solutions.

RESEARCH ACTIVITIES

FACULTY MEMBERS PUBLICATIONS

- **Dr. M. Arun Manicka Raja, Mr. M. Guru Vimal Kumar, Ms. Veena N, Ms. Lenka Cepova**, In January 2023, the international journal "Applied Sciences" published the paper titled **"Evaluation of the Quality of Practical Teaching of Agricultural Higher Vocational Courses Based on BP Neural Network"** The article was featured in SCOPUS, with an impact factor of 2.838.
- **Dr. N R Rejin Paul, Ms. P Hema, Ms. Lenka Cepova, Ms. Bhola Khan, Ms. Kailash Kumar, and Ms. Vladimira Schindlerova** published to the international journal, with their paper on **"Complexity and Monitoring of Economic Operations Using a Game-Theoretic Model for Cloud Computing."** Published in January 2023, the article appeared in WOS, boasting an impact factor of 2.895.
- **Dr. Siva Subramanian R** contributed to an IGI Global Book with chapters titled **"The IoT of Robotics: Frontier of Automation"** and **"IoT-Based Smart Sensors: The Key to Early Warning Systems and Rapid Response in Natural Disaster"** in Nov 2023.

- **Ms. P. Sreelekha** explored the penetration of Artificial Intelligence techniques in enhancing agricultural productivity and farming methods, presenting the findings at the **"Innovative Practices in Technology and Management (ICIPTM 2023)"** international conference in April 2023.
- **Ms. V. T. Vithya, Mr. M. P. Chandrasekar, and Mr. M. Suganthi** published in **"International Journal on Recent and Innovation Trends in Computing and Communication"** featured the paper **"Cryptography based LiFi for Patient Privacy and Emergency Health Service Using IoT"**. The publication, in **December 2022**, was indexed in **SCOPUS**.
- **Dr.Siva Subramanian R** presented a paper on **"Hybrid Variable Selection Approach to Analyze High Dimensional Dataset"** at the **2023 7th International Conference on Computing Methodologies and Communication (ICCMC)"**in April 2023, which was indexed in SCOPUS.
- **Dr.Siva Subramanian R**, titled **"Collaborative Filtering for Bargaining and Customer Feedback in E-Commerce,"** was presented at the **"2023 7th International Conference on Intelligent Computing and Control Systems (ICICCS)"**in May 2023, indexed in SCOPUS.
- **Dr.Siva Subramanian R** contributed to **"International Journal on Recent and Innovation Trends in Computing and Communication"** with the paper **"Heterogeneous Ensemble Variable Selection to Improve Customer Prediction Using Naive Bayes Model,"** indexed in SCOPUS.
- **Mr. L. A. Anto Gracious** presented **"IoT-based Weather, Soil, Earthquake, and Air Pollution Monitoring System"** at the **"2023 7th International Conference on Computing Methodologies and Communication (ICCMC)"**in April 2023, indexed in SCOPUS.
- **Mr. L. A. Anto Gracious** in **"2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC),"** Published a paper **"Predictive Analytics for Heart Disease Detection: A Machine Learning Approach"** in August 2023. The work was indexed in SCOPUS.
- **Ms. Lekha D** Published a paper **"A Centralized Blockchain Architecture with Optimum Sharing"** in 8th International Conference on Communication and Electronics Systems, ICCES 2023, September.
- **Ms.Lekha D** Published a paper **"Extended Kalman Filter Algorithm to Detect False Data Injection in Wireless Sensor Network"** in 2nd International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2023 , July.
- **Ms. Aparna P** published a paper **"Text Localization and Recognition from Natural Scene Images using AI"** at the **"International Conference on Automation, Computing and Renewable Systems, ICACRS 2022"** in December 2022, indexed in SCOPUS.

- **Ms. Lekha D** published a paper "**Extended Finite State Machine based Fault Tolerance in WSN**" at the "International Conference on Computing Methodologies and Communication, ICCMC 2023," in May 2023.
- **Dr. Siva Subramanian R** published a paper "**A Finger Vein Image Recognition based on DLT**" at the "2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC)" in August 2023, indexed in SCOPUS.
- **Dr. Siva Subramanian R** published a paper "**Paddy Plant Leaf Disease Classification based on Artificial Intelligence**" in "2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC)" in August 2023, indexed in SCOPUS.
- **Dr. Siva Subramanian R** published a paper "2023 8th International Conference on Communication and Electronics Systems (ICES)" on "**Predictive Modeling for Lung Cancer Detection using Machine Learning Techniques**" in August 2023, indexed in SCOPUS.
- **Dr. Siva Subramanian R** published a paper on "**Natural Language Processing and its Applications,**" presented at the "2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC)" in August 2023, indexed in SCOPUS.
- **Dr. Siva Subramanian R** published a paper "2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC)" on "**Predictive Analytics for Heart Disease Detection: A Machine Learning Approach**" in August 2023, indexed in SCOPUS.
- **Dr. Siva Subramanian R** published a paper "**Deep Learning: Advancements, Applications, and Challenges,**" published in "International Journal on Recent and Innovation Trends in Computing and Communication" in August 2023, indexed in SCOPUS.
- **Dr. Siva Subramanian R** published a paper on "**Water Quality Prediction using Machine Learning: A Comparative Study**" at the "2023 Second International Conference on Augmented Intelligence and Sustainable Systems" in September 2023.
- **Ms. Lekha D** published a paper on "**Biometric Aided Intelligent Security System Built using Internet of Things**" in 2nd International Conference on Electronics and Renewable Systems, ICEARS 2023, April.

- **Mr. V. M. Jemin** published a paper on "**Development of electrocardiogram intelligent and wearable monitoring system-assisting in care**" in " **International Journal of Reconfigurable and Embedded Systems**" in **January 2023**.
- **Ms. R.Sandhiya** published a paper on "**2023 International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), IEEE,**" in "**IoT based SMART Poultry to produce a healthy environment**" in **January 2023**. The work was indexed in SCOPUS.
- **Dr. M. Arun Manicka Raja** published a paper on "**Evaluation of the Quality of Practical Teaching of Agricultural Higher Vocational Courses Based on BP Neural Network**" in **Applied Sciences** in **January 2023**, indexed in SCOPUS.
- **Ms.Lekha D** published a paper on "**Control of Software-Defined Networks of Unmanned Aerial Vehicles using Distributed Deep Learning**" in **3rd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2023 March**.

OTHER ACTIVITIES

1. FACULTY MEMBERS WORKSHOP / SEMINAR / FDTP

- **Mr. R. Prem Kumar** has attended an FDP titled "**Curriculum Design for Developing Job Related Competencies**" at NITTTR.
- **Ms. KathijaNasreen A** has attended an FDP on "**Artificial Intelligence**" organized by ATAL.
- **Ms. KathijaNasreen A** has attended an FDP on "**Cloud Computing**" under AICTE ATAL.
- **Ms. KathijaNasreen A** has attended an FDP on "**AI&ML**" at Anna University.
- **Ms. KathijaNasreen A** has attended an FDP on "**Web Development**" in collaboration with AICTE ATAL.
- **Ms. A. Nithya** has attended an FDP titled "**Artificial Intelligence**" conducted by Microsoft, SAP & AICTE ATAL under TechSaksham.
- **Ms. Aparna P** has attended an FDP on "**Outcome Based Curriculum Design**" at NITTTR.
- **Ms. Lekha D** has attended an FDP on "**AI&ML**" at Anna University.
- **Dr. M. Arun Manicka Raja** has attended an FDP on "**Applications of AI in Electronics Design**" at NITTTR.
- **Dr. N.R. Rejin Paul** has attended an FDP on "**Applications of AI in Electronics Design**" at NITTTR.

- **Mr. V.M. Jemin** has attended in an FDP on **"Applications of AI in Electronics Design"** at NITTTR.
- **Ms. P. Sreelekha** has attended an FDP on **"How teachers can make a difference"** at IIT, Madras.
- **Ms. Aparna P** has attended in an FDP on **"How teachers can make a difference"** at IIT, Madras.
- **Ms. Vithya V T** has attended an FDP on **"Artificial Intelligence"** organized by AICTE ATAL under Techsaksham.
- **Ms. Vithya V T** has attended an FDP on **"Blended Learning and Flipped Classroom"** at NITTTR.
- **Mr. L.A. Anto Gracious** has attended an FDP on **"Curriculum Design & Evaluation"** at NITTTR.
- **Ms. P. Sreelekha** has attended an FDP on **"Problem solving using C++"** at RMKCET.c
- **Ms. P. Sreelekha** has attended an FDP on **"Open source technologies"** at NITTTR.
- **Ms. P. Sreelekha** has attended a Seminar on **"Recent advances and research issues in next generation cybersecurity technologies"** at RMKCET.
- **Ms. Vithya V T** has attended an FDP on **"Curriculum Development in light of NEP 2020 in HEI"** at NITTTR.
- **Ms. Vithya V T T** has attended an FDP on **"Open Source Technologies"** at NITTTR.
- **Ms. Aparna P** has attended an FDP on **"Outcome Based Curriculum Design"** at NITTTR.
- **Ms. Aparna P** has attended an FDP on **"Open Source Technologies"** at NITTTR.
- **Ms. Aparna P** has attended an FDP on **"Development of Automation Competencies"** at NITTTR.
- **Ms. R. Sandhiya** has attended an FDP on **"Curriculum Design and Evaluation"** at NITTTR.
- **Ms. Lekha D** has attended an FDP on **"Block Chain Technology"** organized by AICTE ATAL
- **Ms. Lekha D** has attended an FDP on **"Cyber Security in recent trends"** organized by AICTE ATAL.
- **Ms. R. Saranya** has attended an FDP on **"Problem solving using C++"** at RMKCET.
- **Ms. R. Saranya** has attended an FDP on **"Opensource technologies"** at NITTTR.
- **Ms. B. Yuvasri** has attended a Seminar on **"Recent advances and research issues in next generation cybersecurity technologies"** at RMKCET.

- **Mr. Anish. T. P** has attended Workshop on "**Fundamentals of Deep Learning and its Application**" organized by SRM Institute of Science and Technology, Vadapalani campus.
- **Mr. Anish. T. P** has attended FDP on "**Research Applications in Artificial Intelligence and Machine learning**" organized by Haldia Institute of Technology.
- **Mr. Anish. T. P** has attended DBT Star College Scheme sponsored FDP on "**Machine Learning and Deep Learning (Hands on Session)**" organized by Bhavan's Vivekananda College from 27.09.2023 to 01.10.2023.
- **Ms. Sandhiya R** has attended ATAL sponsored FDP on **Artificial Intelligence and Machine Learning** organized by National Institute of Technology, Raipur.
- **Dr. Gnana Jeslin J** has attended ATAL sponsored FDP on "**Advance Cloud Cloud Computing Technologies and its Benefits**" organized by INFLIBNET Centre.
- **Dr. GnanaJeslin J** has attended ATAL sponsored FDP on "**Artificial Intelligence**" organized by Velagapudi Ramakrishna, Siddhartha Engineering College, Vijayawada from 13.09.23 to 17.09.2023.
- **Dr.Ponnuviji N** has attended AICTE sponsored FDP on "**Research Methodology And Ipr**" organized by Velagapudi Ramakrishna, Siddhartha Engineering College, Vijayawada.
- **Dr.Ponnuviji N** has attended ATAL sponsored FDP on "**Artificial Intelligence**" organized by University College of Engineering And Technology
- **Dr.Ponnuviji N** has attended Seminar on "**Achieve Higher Research Output QualityRating of the Institution/Faculty**" organized by R.M.K. College Of Engineering And Technology.
- **Dr.Ponnuviji N** attended NITTTR sponsored FDP on "**Cyber Security**" organized by NITTTR CHENNAI.
- **Mr. Premkumar** has attended NITTTR sponsored FDP on "**Free Software For Collaborative Learning**" organized by NITTTR Chennai.
- **Mr. Premkumar** has attended ICT Academy sponsored FDP on "**Fundamentals Of Rpa**" organized by ICT Academy from 04.10.2023 to 08.10.2023.
- **Mr. Prem Kumar** has attended NITTTR sponsored FDP on "**Cyber Security**" organized by NITTTR CHENNAI.
- **Ms. Lekha D** has attended the AICTE sponsored FDP on "**Research Methodology And Ipr**" organized by Velagapudi Ramakrishna, Siddhartha Engineering College, Vijayawada.
- **Ms. Saranya R** has attended ATAL sponsored FDP on **Artificial Intelligence and Machine Learning** organized by National Institute of Technology, Raipur.
- **Mr. Premkumar** has attended Webinar on "**Challenges In BlockChain Technologies**" Organized by Arasu Engineering College Kumbakonam on 11.10.2023.

- **Ms.P.Sree lekha** has attended AICTE–ATAL sponsored FDP on “**Cyber security and Cryptology**” organized by IIITDM- Kancheepuram.
- **Ms.P.Sree lekha** has attended ATAL sponsored FDP on “**Recent Advancements in Automatic Speech Recognition and Speaker Verification**” organized by National Institute of Technology Sikkim.
- **Ms.P.Sree lekha** has attended ATAL sponsored FDP on “**Data science and Big DataAnalytics**” organized by Graphic Era Deemed to Be University Dehradun, Uttarakhand
- **Mr. Jemin V M** has attended ATAL sponsored FDP on “**Robust AI: Building Through Data Exploration, Preprocessing and Exploration**” organized by IIIT Naya Raipur from 01.10.2023 to 05.10.2023.
- **Mr. Anish. T. P** has attended ATAL sponsored FDP on “**Augmented Reality/VirtualReality and its Applications**” organized by Sri Sai Ram Engineering College from 04.10.2023 to 08.10.2023.
- **Dr.Gnana JeslinJ** has attended a workshop on “**Research Methodology to Isand Techniques**” at Govt Model Science College.
- **Dr.Raja SugunaM** has attended FDP on “**Machine Learning with Python for Beginners**” at NIT Warangal.
- **Dr.Gnana Jeslin J** has attended FDP on “**Data Analysis Using Python**” at ATAL FDP from 27-12-2023 to 31-12-2023.
- **Ms. R.Sandhiya** attended a workshop on “**Machine Learning in Infotainment System**” At Mepco Schlenk Engineering College, Sivakasi from 06-12-2023 to 08-12-2023.
- **Ms. R.Sandhiya** has attended a webinar on “**Unequal pay: Gender Discrimination at Workplace**” at the National Commission for Women, GOI and organized by Karupa Foundation from 20-11-2023 to 20-11-2023.
- **Ms.R. Sandhiya** has attended FDP on “**Cryptography in Quantum Era**” at AICTE ISTESPONSORED CONDUCTED BY ANNA UNIVERSITY, TIRUNELVELI from 24-12-2023 to 31-12-2023.
- **Ms. Kalaipriya V** has attended ATAL sponsored FDP on “**Robust AI: Building Through Data Exploration, Preprocessing and Exploration**” organized by IIIT Naya Raipur from 01.10.2023 to 05.10.2023.
- **Mr. L.A. Anto Gracious** has attended ATAL sponsored FDP on “**Augmented Reality/VirtualReality and its Applications**” organized by Sri Sai Ram Engineering College from 04.10.2023 to 08.10.2023.
- **Dr. Siva Subramanian R** attended a webinar on “**action research nitttr**” organized by Velagapudi Ramakrishna Siddhartha Engineering College at Hyderabad.

- **Dr. G. Indra** attended FDP on **“digital manufacturing”** at PSNA college of engg and technology Dindugal.
- **Dr. G. Indra** attended on FDP **“cryptography in quantum era”** at Anna university tirunelveli from 24-12-2023 to 31-12-2023.
- **Dr. G. Indra** attended a webinar on **“unequal pay: gender discrimination at workplace”** at national commission for women, go and organized by karup a foundation on 20-11-2023.
- **Ms. Aparna P** has attended fdp on **“iot and smart technologies”** at model institute of engineering and Technology (autonomous), jammu from 13-12-2023 to 18-12-2023.
- **Ms. Aparna P** attended a workshop on **“machine learning solutions for image processing using python”** at Mepco schlenk engineering college, sivakasi from 02/12/2023 to 04/12/2023.
- **Ms. Aparna P** has attended a workshop on **“machine learning and infotainment systems”** at mepco schlenk engineering college, sivakasi from 06/12/2023 to 08/12/2023.
- **Ms. R.Saranya** has attended FDP on **“DataScience”** at Graphic Era Deemed to be university.
- **Ms. R.Saranya** has attended on **“Cyber Security”** at Sardar Patel University of Police, Security and Criminal Justice.
- **Ms. G.Manjula** has attended FDP on **“CRYPTOGRAPHY IN QUANTUM ERA”** at Anna University, TIRUNELVELI from 24-12-2023 to 31-12-2023.
- **Ms. Lekha D** has attended FDP **“Cryptography in quantum era”** at Anna University, Tirunelveli AICTE-ISTE.
- **Ms. Kathijanasreen A** has attended FDP **“Machine learning”** at Mepco Schlenk engineering college, from 06.12.2023 to 08.12.2023.
- **Dr.M.Arunmanickaraja** has attended FDP on **“quantum computing”** at R V college of engineering, Bangalore at AICTE.
- **Dr.N.RRejin paul** has attended FDP **“ATAL FDP on quantum computing”** at R V college Of engineering Bangalore at AICTE.
- **Ms.Jayabharathi R** attended a webinar on **“Recent Advancements in Digital Image Processing”** organized by Hindustan Institute of Technology.
- **Dr.GNANA JESLIN J** attended FDP on **“Stress Management”** organized by Sathyabama University.
- **Dr. Raja Suguna M** has attended FDP **“Machine learning”** organized by Mepco Schlenk engineering college
- **Ms. R.SANDHIYA** attended FDP on **“Cryptography in Quantum Era”** organized by “AICTE-ISTE sponsored by Anna University, Tirunelveli”.

- **Ms. R.SANDHIYA** attended FDP on **“Medical Data Analytics”** organized by “AICTE-ISTE SPONSORED CONDUCTED BY UNIVERSITY COLLEGE OF ENGINEERING, KANCHEEPURAM”.
- **Ms. Vithya V T** attended Webinar on **“ACTION RESEARCH”** organized by “NITTTR CHENNAI”.
- **Ms. Vithya V T** attended a Workshop on **“RESEARCH DIRECTIONS AND OPEN SOURCE TOOLS IN CLOUD COMPUTING”** organized by ARASU ENGINEERING COLLEGE KUMBAKONAM.

2. FACULTY MEMBERS ONLINE COURSES

- **Mr. Jemin V M** completed NITTT course on **“Orientation towards Technical Education and Curriculum”** from February 2023 to September 2023.
- **Mr. Jemin V M** completed NITTT course on **“Professional Ethics Sustainability”** from February 2023 to September 2023.
- **Ms. Jemi Gold P** completed NITTT course on **“Orientation towards Technical Education and Curriculum”** from February 2023 to September 2023.
- **Ms. Jemi Gold P** completed Coursera course on **“Machine Learning”** from June 2023 to July 2023.
- **Mr. Jemin V M** completed Coursera course on **“AWS Cloud front: Serve content from multiple S3 buckets”** from July 2023 to July 2023.
- **Dr. Siva Subramanian R** has completed a course **“Data Science for Engineers”** in NPTEL from January 2023 to March 2023.
- **Ms. Kathija Nasreen A** has completed a course **“Machine learning”** in Infosys Spring Board in May 2023.
- **Ms. Kathija Nasreen A** has completed a course **“Cyber Security”** in Infosys Spring Board in May 2023.
- **Ms. Saranya R** has completed a course **“Cloud computing”** in NPTEL in April 2023.
- **Dr. Gnana Jeslin J** has completed a course on **“Java fundamentals”** in NITTT from January 2023 to March 2023.
- **Ms. Lekha D** has completed a course on **“Cloud computing”** in April 2023.
- **Ms. Yuvasri B** has completed Coursera course on **“Artificial Intelligence”** in NPTEL.

- **Mr. Prem Kumar R** completed a Coursera course on “**Design a mobile app interface with Moqups**” from July 2023 to July 2023.
- **Mr. Premkumar R** completed Coursera course on **Build a mobile app with Google Sheets on Glide and no coding** from July 2023 to July 2023.
- **Ms. Sandhiya R** completed the NPTEL course on **Python for Data Science** from July 2023 to August 2023.
- **Dr. Gnana Jeslin J** completed the Udemy course on **Introduction to Cloud Computing with AWS, Azure and GCP** from August 2023 to August 2023.
- **Ms. Gnana Jeslin J** completed a Coursera course on **Developing a Company Website with Wix** from September 2023 to September 2023.
- **Mr. Anish T P** completed a Coursera course on **Google Cloud Fundamentals: Core Infrastructure** from September 2023 to September 2023.
- **Mr. Anish T P completed** a Coursera course on **Essential Google Cloud Infrastructure: Foundation** from September 2023 to September 2023.
- **Ms. Aparna P** completed a Coursera course on **Elastic Google Cloud Infrastructure: Scaling and Automation** from September 2023 to September 2023.
- **Ms. Aparna P** completed a Coursera course on **Reliable Google Cloud Infrastructure: Design and Process** from September 2023 to September 2023.
- **Ms. Saranya R** completed NITTT course on **Student Assessment and Evaluation** from August 2023 to October 2023.
- **Ms. Saranya R** completed a NITTT course on **Creative Problem Solving, Innovation and Meaningful research and development** from August 2023 to October 2023.
- **Mr. Anish .T .P** completed NPTEL course on **Big Data Computing** from August 2023 to October 2023.
- **Mr. Anish .T .P** completed a **NITTT** course on **Orientation towards Technical Education and Curriculum** from September 2023 to November 2023.
- **Dr. Gnana Jeslin J** completed a Coursera course on “**Use Canva to Design Digital Course Collateral**” in courser on November 2023.
- **Ms. Yuvasri B** completed a course on “**Module5_ Technology Enabled Learning & Life Long Self Learning**” on NITTT in November 2023.
- **Ms. Yuvasri B** has completed a course on “**Cloud computing**” in April 2023.
- **Dr. Siva Subramanian R** completed a Coursera course on “**Use Canva to Design Digital Course Collateral**” in courser on November 2023.

- **Ms. Sandhiya R** has completed a course on **“Oracle certified foundation associate”** in December 2023.
- **Ms. Kathija Nasreen A** has completed a course on **“Module5_Technology Enabled Learning & Life Long Self Learning”** on NITTT in November 2023 .
- **Ms. Kathija Nasreen A** completed a course on **Module3-communication** in NITTT in November 2023.
- **Ms. Lekha D** completed a course on **“Module5_Technology Enabled Learning & Life Long Self Learning”** on NITTT in November 2023.
- **Ms. Lekha D** has completed a course **“Module 3-communication”** in NITTT on November 2023.
- **Ms. Jemi Gold** has completed a course on **“Module7–Creative problem solving, Innovation and Meaningful R and D”** in NITTT in November 2023.
- **Ms. Jemi Gold** has completed a course **“Module8–Institutional Management and Administrative Procedures”** in NITTT in November 2023.
- **Ms. Saranya R** has completed a course on **“Module7—Creative problem solving, Innovation and Meaningful R and D”** in November 2023.
- **Ms. Saranya R** has completed a course on **“Module5 Technology Enabled Learning & Life Long Self Learning”** in November 2023.
- **Ms. Saranya R** has completed a course on **“Module4 Instructional planning and delivery”** in November 2023.
- **Ms. Saranya R** has completed a course on **“Student Assessment and Evaluation”** in November 2023.
- **Dr. Gnana Jeslin J** completed a course on **“Introduction to Cloud Computing”** in January 2023.
- **Dr. Gnana Jeslin J** has completed a course on **“Cloud Computing”** in NITTT from January 2023 to March 2023.
- **Ms. Lekha D** has completed a course on **“Artificial Intelligence”** in April 2023.
- **Dr. Siva Subramanian R** contributed to an IGI Global Book with chapters titled **"Futuristic Disaster Mitigation: The Role of GPUs and AI Accelerators"** and "disaster and its impact on cerebral health: methodology, psychological effects of disaster" in Dec 2023.
- **Dr. Siva Subramanian R** authored a chapter in an IGI Global Book titled **"Machine Learning Algorithms for Natural Disaster Prediction and Management"** in Jan 2023.

3. ACTED AS RESOURCE PERSONS / GUEST LECTURES DELIVERED

- **Dr. M. Arun Manicka Raja** delivered a session on "**PHP and MySQL**" as part of the Professional Development Program at NITTTR, Chennai Campus on April 18.
- **Dr. M. Arun Manicka Raja** conducted a session titled "**Python for Beginners**" during the Professional Development Program at NITTTR, Chennai Campus from June 14, 2023, to June 15,
- **Dr. M. Arun Manicka Raja** presented on "**Advanced Data Structures**" at NITTTR, Chennai Campus on October 19, 2023, as part of the Professional Development Program.

REVIEWER OF JOURNAL

- **Dr. Siva Subramanian R** acted as a reviewer of the journal in the International Journal of Human-Computer Interaction in June 2023.
- **Dr. Siva Subramanian R** acted as a reviewer of the journal "**Alleviating conditional independence assumption of naive Bayes.**" August 2023.
- **Dr. Siva Subramanian R** acted as a reviewer of the journal "**An Efficient Stock Price Prediction Mechanism Using Multivariate Sequential LSTM Auto encoder**" in The Journal of Supercomputing May 2023
- **Dr. Siva Subramanian R** acted as a reviewer of the journal "**Analyzing Customer Satisfaction Using Blockchain Technology**" in Heliyon in April 2023.
- In March 2023, **Siva Subramanian R** acted as a reviewer of the journal CMC-Computers, Materials & Continua with a paper titled "**Comparative Evaluation of Data Mining Algorithms in Breast Cancer**" March 2023.
- **Dr. Siva Subramanian R** acted as a reviewer of the journal "**Intelligent Financial Fraud Detection Using Artificial Bee Colony Optimization Based Recurrent Neural Network**" in Intelligent Automation & Soft Computing Feb 2023.
- **Dr. Siva Subramanian R** acted as a reviewer of the journal "**Application of Machine learning and Blockchain technology for smart healthcare applications**" in February 2023.
- **Dr. Siva Subramanian R** acted as a reviewer of the journal "**Effectiveness Verification Framework for Coupon Distribution Marketing Measure Considering Users' Potential Purchase Intentions**" in Cogent Engineering September 2023
- **Dr. Siva Subramanian R** acted as a reviewer of the journal "**Supervised Rank aggregation (SRA): A novel rank aggregation approach for ensemble-based feature selection**" in October 2023.

- **Dr. Siva Subramanian R** acted as a reviewer of the journal "**Mitigating Disasters Below the Surface: A Comprehensive Study on Recent Advantages and Ongoing Challenges in Underwater Sensor Networks**" in Nov 2023.
- **Dr. Siva Subramanian R** acted as a reviewer of the journal "**Supervised Rank aggregation (SRA): A novel rank aggregation approach for ensemble-based feature selection**" in Oct 2023
- **Dr. Siva Subramanian R** acted as a reviewer of the journal "**Prediction Analysis of Natural Disasters Using Machine Learning**" in Nov 2023.

LAWRELS ACHIEVED BY THE STUDENTS1. AWARDS

- **Jagadeesh. T** of IV year won Second Prize in the event **“Group Dance”** conducted by R.M.K College of Engineering and Technology.
- **Jagadeesh. T** of IV year won Second Prize in the event **“Coding Competition”** conducted by R.M.K College of Engineering and Technology.
- **Swetha. B. S** of III year won Third Prize in the event **“Script Writing”** conducted by R.M.K College of Engineering and Technology.
- **Rahul Ram** of III year won First Prize in the event **“Short one Minute Video”** conducted by R.M.K College of Engineering and Technology.
- **Ahamadullah Thasneem** of II year won Second Prize in the event **“Poster Competition”** conducted by R.M.K College of Engineering and Technology.
- **Aathavan. G** of III year won Second Prize in the event **“Solo Dance”** conducted by R.M.K College of Engineering and Technology.



2. ONLINE COURSES

8 students completed NPTEL courses in

1. Deep Learning
2. Ethical Hacking
3. Natural Language Processing
4. Programming in Java
5. Introduction to Internet of Things
6. Problem Solving through Programming in C



Elite NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

M BHARGAVI AMRUTHA

for successfully completing the course

Data Base Management System

with a consolidated score of **73** %

Online Assignments	23.13/25	Proctored Exam	50.25/75
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Total number of candidates certified in this course: **6795**

Jul-Sep 2023

(8 week course)



Banerji

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS79S35321909

To verify the certificate



No. of credits recommended: 2 or 3



NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

AATHAVAN G

for successfully completing the course

Social Network Analysis

with a consolidated score of **52** %

Online Assignments	18.63/25	Proctored Exam	33.25/75
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Total number of candidates certified in this course: **680**



Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Oct 2023

(12 week course)

Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS106S633401547

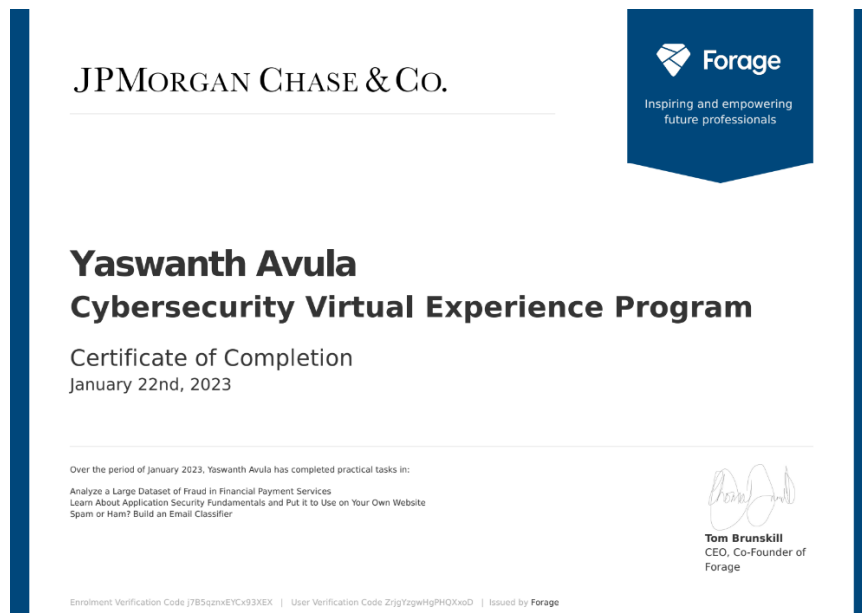
To verify the certificate



No. of credits recommended: 3 or 4

3. INTERNSHIP

- **Harini. S** of II year has successfully completed her Internship on “**Python with Data science**” at Trios Technologies Pvt Ltd. from 22.06.2023 to 22.07.2023.
- **Udhaya Kumar. B** of II year has successfully completed her Internship on “**Web Development**” at NSIC-Technical Services Centre from 26.06.2023 to 03.07.2023.
- **Avula Yaswanth** of III year has successfully completed her Internship on “**Cyber security virtual Experience program**” at FORGE on January 22nd 2023.
- **Jagadeesh T** of III year has successfully completed her Internship on “**Web Development**” at FORGE on January 22nd 2023.



STUDENTS ACTIVITIES1. LITERARY

Nostalgia

Peeping through the shades,

Casting its bright rays in lazy winter mornings

*Oh! How I wish I could go back
to make my heart warmer than ever.*

Manoeuvring past the puddles

Filled with pebbles and the dry autumn leaves

*Oh! How I wish I could go back to stop
my heart from plummeting at the good old memories.*

Before understanding what we are,

Or getting to know our surroundings a celestial thought that

Bind the scattered perceptions.

Oh! How I wish I could go back to fulfil my heart's thirst.

Oh! How I wish I could go back not to makes changes,

But rather to relive a few moments

That could spark its eminence to last for an eternity.

M. Bhargavi Amrutha

111621102080 CSE – III B

2. CREATIVE ART BY THE STUDENTS

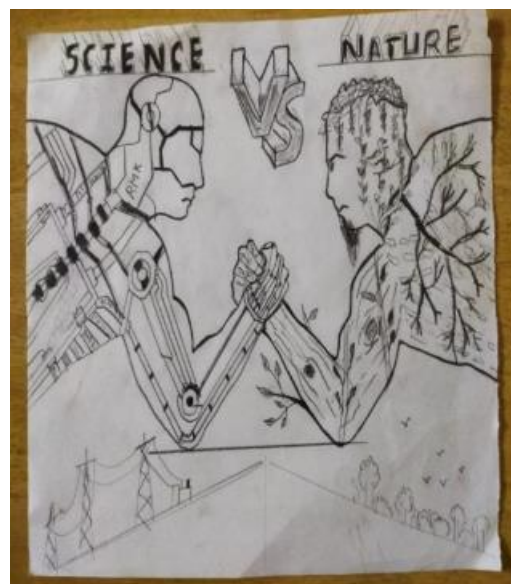


**NAIDU TEJA REDDY
III CSE B**

**S. SWETHA
IV CSE C**



**B.S.SWETHA
III CSE C**



**M.SHIVANI
III CSE C**

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