ABOUT THE DEPARTMENT

Computer technology has many sub-fields; some emphasize the computation of specific results such as computer graphics, while others relate to properties of computational problems such as computational complexity theory.

The Department of Computer Technology envisions producing candidates to the sector of technology, striving forward to develop the nation with their strength and potential along with the knowledge and experience they gain in the application areas and through their advanced study and research. The following are the activities conducted during the academic year 23-24.

GUEST LECTURE

Guest Lecture On "Android Application Development" By
Ms.K.Sangavi,Android Team Lead,Finalatix Technologies Chennai On
22.7.2023.

Guest Lecture On "HOW TO DESIGN AND BUILD YOUR START-UP" By
Mr. S. SHAMEER, (Founder)-IT Projects Media, Coimbatore On
12.03.24.

SYMPOSIUM

Inter Departmental Event- (Spark Tech 2k24) On 13.03.24

STUDENT DEVELOPMENT PROGRAM

SDP On "Tips For Placement Preparation" By
Ms.Madhushree.S,Mirudhubashini.P,Dhanushiya.A.S,Tharasri.S,III Bsc.CT Students On
12.07.23

SDP on "Codeathon: Tips and Tricks" by Mr.Deepak Dharsan.M on 09.08.23

SDP on "BlockChain and IoT" by Mohan Prasath. A, Viveka.S, II B.Sc CT A on 15.12.23

SDP On "Neuromorphic Computing Seminar" By Shenbagakumar (II B.Sc. CT B) On 26.02.24

FACULTY DEVELOPMENT PROGRAM

FDP On "Python Web Framework Using Django" By Dr.M.Rathi On 21.08.23

EXTENSION ACTIVITY

"Awareness on Energy Saving " at Oraikalpalayam Village on 17.02.2024

"Awareness on Hygiene" at Sarkar Samakulam Village on 23.02.24

ALUMNI INTERACTION

Alumni Interaction on "Preparation for competitive exams" By Ms.J.Poornima On 15.09.23

Alumni Interaction on "Career Opportunities in IT Industry" By K Arthi, Test Engineer, Wipro, Chennai on 22.01.24

STAFF PARTICIPATION

- Mrs.V.Manimekalai participated in the National Level Workshop on DEVOPS (Online) conducted by SRM Institute of Science & Technology, Ramapuram, Chennai.

- Mrs.M.Aruna participated in the National Level Workshop on DEVOPS (Online) conducted by SRM Institute of Science & Technology, Ramapuram, Chennai.

- Mr. T.R. Anand participated in the National Level Workshop on DEVOPS (Online) conducted by SRM Institute of Science & Technology, Ramapuram, Chennai.

- Mr. T.R. Anand participated in the Faculty Development Program on Data Science Specialization using Python (Online) conducted by Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore.

- Mrs. R .S. Padma priya participated in the National Level Workshop on DEVOPS (Online) conducted by SRM Institute of Science & Technology, Ramapuram, Chennai.

- Mrs. R .S. Padma priya participated in Faculty Development Program on Data Science Specialization using Python (Online) conducted by Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore.

- Dr. M. Rathi participated in the National Level Workshop on DEVOPS (Online) conducted by SRM Institute of Science & Technology, Ramapuram, Chennai.

- Dr. M. Rathi participated in Empowering education for innovation - A NEP perspective conducted by Dr. NGP Arts and Science college.

- Dr.B.Leelavathi participated in Empowering education for innovation - A NEP perspective conducted by Dr. NGP Arts and Science college.

- Dr.M.Aruna participated in Empowering education for innovation - A NEP perspective conducted by Dr. NGP Arts and Science college.

- Mrs.V.Manimekalai participated in Empowering Education for innovation - A NEP perspective conducted by Dr. NGP Arts and Science college.

- Mrs.R.S.Padmapriya participated in Empowering Education for innovation - A NEP perspective conducted by Dr. NGP Arts and Science college.

- Mr. T.R. Anand participated in Empowering Education for innovation - A NEP perspective conducted by Dr. NGP Arts and Science college.

- Dr.M.Aruna participated in The Power of Positivity approach in Teaching and Learning System of Cultural Transformation conducted by Hindusthan College of Arts and Science.

- Dr.B.Leelavathi participated in Exploring Technological Advancements: A Voyage into Emerging Horizons conducted by Sri S.Ramasamy Naidu Memorial College.

- Dr.M.Aruna participated in Faculty Development Programme on Internet of Things conducted by Dr. NGP Arts and Science college.

- Mrs.Ajitha.I participated in Deep Learning Case Studies conducted by Christ (Deemed to be university).

- Mrs.Ajitha.I participated in Emerging Research Trends in Computer Science conducted by KG College of Arts and Science from.

- R.Vijay Anand participated in Microsoft Assure AI Engineer Associate

conducted by Hindusthan Institute of Technology, Coimbatore.

- Mrs.Ajitha.I participated in FDP on Recent Advances in Smart Materials and Sensor Technology conducted by Paavai Engineering College.

- Dr.M.Aruna participated in FDP on Teaching Strategies- A Pedagogy conducted by SRM Institute of Science & Technology, Ramapuram, Chennai.

- Dr. T.R. Anand participated in FDP on Teaching Strategies- A Pedagogy conducted by SRM Institute of Science & Technology, Ramapuram, Chennai.

- R.Vijay anand participated in Faculty Development Program on Microsoft Azure AI Engineer Associate conducted by Hindusthan Institute of Technology, Coimbatore.

- Dr. T.R. Anand participated in FDP on AI for Educators conducted by Periyar Maniammai Institute of Science and Technology, Vallam.

- Dr. T.R. Anand participated in Empowering Education for innovation - A NEP Perspective conducted by Dr. N.G.P. Arts and Science College, Coimbatore.

- Dr. M. Rathi participated in NEP 2020: Opportunities and challenges of HEIs in achieving Gross Enrolment Ratio in creating human resources to the paradigm industry requirements conducted by Dr. N.G.P. Arts and Science College, Coimbatore

STAFF PRESENTATION

- ·Dr.V.Manimekalai presented a paper on "IoT Based Domestic Waste Management using Smart Bins" in the International Conference on Computational Intelligence and Communication Technology conducted by Dr.N.G.P Arts & Science College on 4.1.24.

- Dr. M. Rathi presented a paper on "A study on voice assistant mobile application for campus navigation" in the International Conference on Computational Intelligence and Communication Technology conducted by Dr.N.G.P Arts & Science College on 4.1.24.

- Dr. T.R. Anand presented a paper on "A Study on Empowering Women and Children Safety through IoT Techniques" in the ICSSR Sponsored National

Seminar on IOT Cyber Security: Challenges and Solutions for Social and Real-life Applications conducted by Dr.N.G.P Arts & Science College on 5.1.24.

- Dr. T.R. Anand presented a paper on "A study on voice assistant mobile application for campus navigation" in the International Conference on Computational Intelligence and Communication Technology conducted by Dr.N.G.P Arts & Science College on 4.1.24.

- Dr.M.Aruna presented a paper on "Prediction of Student Mark Performance Using Random Regressor" in the International Conference on Computational Intelligence and Communication Technology conducted by Dr.N.G.P Arts & Science College on 4.1.24.

- Dr.M.Aruna presented a paper on "A Clinical Supporting System Using Hierarchical Approach to Improve Heart Disease Prediction" in the International Conference on Computational Intelligence and Communication Technology conducted by Dr.N.G.P Arts & Science College on 4.1.24.

- Mrs.I.Ajitha presented a paper on "A Clinical Supporting System Using Hierarchical Approach to Improve Heart Disease Prediction" in the International Conference on Computational Intelligence and Communication Technology conducted by Dr.N.G.P Arts & Science College on 4.1.24.

- Dr.B.Leelavathi presented a paper on "A comprehensive survey on malware threats in social media: Trends challenges and mitigation strategy" in the ICSSR Sponsored National Seminar conducted by Dr.N.G.P Arts & Science College on 5.1.24.

- Dr. T.R. Anand presented a paper on "Protecting against online threats and attacks" in the Second International Conference on Recent Trends in Computer Science and Data Analytics conducted by KPR College of Arts Science and Research on 02.02.24.

- Dr. T.R. Anand presented a paper on "Comparison of MySQL and NoSQL and their Recent Trends" in the Second International Conference on Recent Trends in Computer Science and Data Analytics conducted by KPR College of Arts Science and Research on 02.02.24.

- Dr. T.R. Anand presented a paper on "Load Balancing Securities" in the

Second International Conference on Recent Trends in Computer Science and Data Analytics conducted by KPR College of Arts Science and Research on 02.02.24.

- Mrs.Ajitha.I presented a paper on "Web Design Trends" in the Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24) conducted by KPR College of Arts Science and Research on 02.02.24.

- Dr.B.Leelavathi presented a paper on "Automatic Time Table Generator: Design,Implementation and Evaluation" in the Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24) conducted by KPR College of Arts Science and Research on 02.02.24.

- Dr.V.Manimekalai presented a paper on "IoT Security Challenges: Attacks, Intrusions, Threat- landscape and vulnerabilities" in the Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24) conducted by KPR College of Arts Science and Research on 02.02.24.

- Mr.R.Vijay Anand presented a paper on "IoT in Agriculture - A Survey" in the Second International Conference on Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24) conducted by KPR College of Arts Science and Research on 02.02.24.

- Dr.R.S.Padma Priya presented a paper on "Impact of Big Data Analytics in Business Decision Making" in the Second International Conference on Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24) conducted by KPR College of Arts Science and Research on 02.02.24.

- Dr.R.S.Padma Priya presented a paper on "Enhancing Remote Learning through the Metaverse: Opportunities and Challenges" in the Second International Conference on Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24) conducted by KPR College of Arts Science and Research on 02.02.24.

- Dr.R.S.Padma Priya presented a paper on "Load balancing in Cloud Computing" in the Second International Conference on Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24) conducted by KPR College of Arts Science and Research on 02.02.24.

- Dr. T.R. Anand presented a paper on "Business Intelligence" in the National Conference on Exploring the Technological Advancements in Business – The Future Perspective conducted by Sri Ramakrishna College of Arts and Science on 13.09.2023.

STAFF PUBLICATION

- Dr.M.Rathi, "MOOCs Dropout Prediction To Enhance Learning Experience", Shodha Prabha, Vol. 48, Book No.01,0974-8946.
- Dr.M.Rathi, MOBAA-OBCM: "Multiobjective Biometric Authentication Approach and Optimized Beta Chaotic Map", Journal of Propulsion Technology, Vol.45,No.01,1001-4055.
- Dr.V.Manimekalai, "Enhanced Accuracy in Thyroid Disease Classification: A Comparative Analysis of Random Forest and Decision Tree Methods", Journal of Propulsion Technology, Vol. 44, No.6,1001-4055.
- Dr.B.Leelavathi, "Building AI-driven Models for Personalized Cancer Prediction",Journal of Propulsion Technology,Vol. 44 No. 6 (2023),ISSN: 1001-4055.

STUDENT ACHIEVEMENTS:

- Deekshitha V, II B.Sc. CT A was selected for Senior State Tamilnadu Throwball championship 2023 awarded by Niligiri district throwball, Tamil Nadu on 23.9.23
- Dharun, II B.Sc. CT B secured third place in paper presentation in the MathFest-23 conducted by Dr.N.G.P Arts and Science College on 13.12.23
- Sree Harihara Suthan K A and Shenbagakumar M received Best Paper award for the topic Neuromorphic Computing conducted by Sri Krishna Adithya College of Arts and Science on 2.2.24.
- Jonath Leonard and team has secured third place in group dance conducted by Sri Krishna Adithya College of Arts and Science on 2.2.24.
- Mohamed Harish and team has secured first place in team dance conducted by Dr.N.G.P Arts and Science College on 20.12.23.

- Monisha and team has secured first place in group dance conducted by PSGR Krishnammal college for women on 10.02.24.

- Hemnath and team has secured second place in group dance conducted by Nehru college of Management on 09.02.24.

- Ajay J and Agilesh N V secured third place in a Quiz conducted by the Department of Physics and Chemistry at Dr.N.G.P Arts and Science College on 13.02.24.

- Sobhika and Pratibaa S have secured the Guiness World Record in Valli Kummi conducted by Kongunadu Kalai Culoo on 04.02.24.

- Imranullah L and team has secured first prize in group dance conducted by Hindusthan College of Arts and Science on 14.02.24.

- Mithun M and team has secured first place in group dance conducted by Sree Narayana Guru College of Arts and Science on 15.02.24.

- Sree Mathi S and team has secured first place in group dance conducted by Karpagam Academy of Higher Education on 23.02.24.

- Dharun and Karthika have secured second place in Ideathon conducted by SNS Rajalakshmi College of Arts and Science on 05.03.24.