



KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE

ACTIVITIES CONDUCTED UNDER DBT STAR COLLEGE SCHEME- 2023-2024

HANDS ON TRAINING

S. No.	Name of the Event/Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1.	Hands-on Training on "Internet of Things (IoT) using Arduino"	24-06-2023	Mr. Mohamed Imam Ali U.S Senior Cloud Developer, JNET Technologies, Coimbatore.	59 students	Students understood the concepts and functionalities of the devices and the usage of Arduino Board, Sensors which are more useful in developing real time projects.
2.	Crafting Memorable User Experiences: A Hands-on-Training on "High Quality Interfaces"	10-10-2023	Mrs. N. V. Brindha Assistant Professor of Computer Science, Suguna College of Arts and Science, Coimbatore.	52 students 02 Faculty Total = 54	Students learnt about the concept of User Interfaces and the Characteristics of a High Quality User Interface Design.
3.	A Hands-on Training on "Chip-Level Testing and Debugging for Mobile Phones and Tablets"	22-01-2024	Mr. A. Sajith Mr. R. Karthi Service Technicians & Trainers, New Technology Institutions, Coimbatore	58 students 02 Faculty members Total = 60	The workshop emphasized the importance of quality assurance in mobile device manufacturing, equipping participants with knowledge of compliance standards, best practices, and quality control measures necessary to ensure product reliability.
4.	A Hands-on Training on "Computer Servicing and Trouble Shooting"	23-01-2024	Mr. A. Sajith Mr. L. Raja Service Technicians & Trainers, New Technology Institutions, Coimbatore	46 students 02 Faculty Members Total = 48	Participants developed practical skills in hardware installation, software diagnosis, data backup, and network troubleshooting.
5.	A Hands-on Training on "Empowering Insights:	31-01-2024	Dr. C. Nagarani Assistant Professor	II B.Sc: 47 Faculty members -2	Students learnt about the features of R studio and R studio Interface. Students practically

	Unleashing the potential of Data with R Programming”		Department of Computer Science PSG CAS, Coimbatore.	Total = 49	learned about creating plots, dataframes and graphs which are used in their projects.
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CONFERENCE/ SEMINARS / TRAINING/ ORGANIZED

S. No.	Name of the Event/ Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1	Two days Workshop on “Arduino Based Application Development”	31-08-2023 & 01-09-2023	Dr. K. Subramanian Technical Lead, Enthu Technology Solutions India Pvt. Ltd., Coimbatore. Mr. Dinesh Babu. S Technical Engineer, Enthu Technology Solutions India Pvt. Ltd., Coimbatore.	III B.Sc. - 54 II B.Sc. - 56 Faculty Member - 1 Total = 111	The concepts and the working principles of IoT and the functionalities of different types of sensors were clearly explained to the students along with the demonstration of the experiments using Arduino board, IoT sensors and actuators. This type of workshops motivates the students to undergo more projects related to IoT.
2	Workshop on “Unlocking the Future: Bridging NLP and Open AI for Intelligent Communication”	12-09-2023	Mr. T. Nandha Kumar Software Developer, MECHPRO Technologies, Coimbatore.	III B.Sc. - 43 Faculty Member - 1 Total = 44	Awareness about the recent advancements in AI such as capabilities, content creation, language translation, coding, and creative endeavors of ChatGPT were provided
3	A Seminar and Demonstration on “Demystifying Networking Essentials”	12-10-2023	Mr. B. Meinathan Technical Consultant, Macro vision Telnet, Karnataka	III B.Sc. - 45 Faculty members -2 Total = 47	The functions of switches and different types of routers were narrated clearly with a demonstration. The characteristics of various types of hackers and the security features of mobile phones and apps were explained.
4	Workshop on “Mobile Application Development”	10-01-2024	Mr. C. Surendar Corporate Trainer & Software developer, Aakam Institute, Coimbatore	III B.Sc. - 01 II B.Sc. - 55 Faculty members -03 Total = 59	Students learnt about: <ul style="list-style-type: none"> • Concepts of frameworks and designs to create Applications. • Steps in mobile Development. • Usage of emulators.

INVITED LECTURES

S. No.	Name of the event/Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1.	A Guest Lecture on “Securing the Future: IoT and Big Data in the Cloud Navigating the Realm of Cloud Computing and Security”	14-09-2023	Dr. G. Kalpana Associate Professor, Department of Computer Science, Sri Ramakrishna College of Arts and Science for Women, Coimbatore.	III B.Sc. - 52 Faculty members -2 Total = 54	The participants acquired the basic and advanced concepts of cloud computing and cloud security and learnt how IoT is used in cloud computing.
2.	Guest Lecture on “Unveiling the Distinctions and Insights into Virtual Reality, Augmented Reality and Mixed Reality”	18-12-2023	Dr. S. Karpagavalli Associate Professor and Head, Department of Computer Science, PSGR Krishnammal College for Women, Coimbatore	III B.Sc. -53 Faculty member 1 Total = 54	Students gained insight into Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR), through clear examples and demonstrations. They also acquired knowledge about the applications of Augmented Reality.
3.	Guest lecture on “Securing the Digital Frontiers: Exploring the Latest Trends and Applications in Cyber Security”	21-12-2023	Dr. S. Marutha Vijayan Assistant Professor, School of Excellence of Law University, The Tamil Nadu Dr. Ambedkar Law University, Chennai.	III B.Sc. - 58 Faculty Member =1 Total = 59	Students were exposed to some of the Cyber Laws and various applications of Cyber Security such as Network Security Surveillance, Identification, Access control etc.,

EXHIBITION / COMPETITIONS CONDUCTED

S. No.	Name of the event/Activity	Date	Number of Beneficiaries	Outcome
1	Exhibition for School Students “IOT Devices”	07-07-2023	47 students	<ul style="list-style-type: none"> • School students were motivated towards science education. • Students experienced the practical learning of IoT devices.

2	Exhibition for School Students “Network Communication”	05-10-2023 and 06-10-2023	513 students	<ul style="list-style-type: none"> The working models of Robot, Smart Agriculture and Earth Quake Alarm were demonstrated. Created awareness about different types of sensors that can be used in IoT.
3	Competition for School Students in Python and PHP (for XII Standard students of Green Fields Matriculation School)	27-12-2023	45 students	Students’ interest towards learning more computer science areas was kindled. The competition sparked students' enthusiasm for delving into various computer science domains, broadening their understanding of the programming world.
4	Competitions for School Students (Quiz, Drawing, Essay Writing and Oratorical)	11-01-2024	58 students	<ul style="list-style-type: none"> Students were motivated to learn advanced developments in science subject. The competitive spirit among the students ignited their minds towards science education.
5	Inter Departmental Competition, Poster Presentation on “Igniting Scientific Thinking”	26-03-2024	12 students	<ul style="list-style-type: none"> Explored Interdisciplinary connections between mathematics, engineering and other science domains. Encouraged team work and presentation skills. Promoted Critical Thinking in young minds of the students.

TRAINING COURSES CONDUCTED

S. No.	Name of the event/ Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1	Faculty Development Programme on on “Inter disciplinary Approaches of Machine Learning”	21-10-2023	Dr. P. Shanmuga vadivu, Professor of Computer Science and Applications, The Gandhigram Rural Institute Gandhigram, Dindigul. Mrs. G. Kanimozhi, Software Engineer, Gen Digital (Norton LifeLock Software and	58 Participants from various Colleges got Benefited.	<ul style="list-style-type: none"> The participants acquired knowledge about Artificial Intelligence, Machine Learning and Data Science. They were exposed to Machine Learning models, Training algorithms and Evaluation metrics for machine

			Services), Chennai.		learning and its applications
2	Faculty Development programme on “Computational Mathematics using Python and Scilab”. (Organized along with Department of Mathematics)	12-01-2024	Dr.V. Parthipan Assistant Professor of Mathematics, Vellore Institute of Technology, Chennai Campus, Chennai. Dr.T. Senthil Kumar, Associate Professor, School of Computing, Amritha Vishwa Vidhyapeetham Coimbatore	44 Participants from various Colleges got Benefited.	The participants were taught about the salient features of Python and SCILAB for scientific computing along with their applications.
3	School Teachers Induction Programme (Organized along with Department of Mathematics)	13-02-2024	Mr.N. Tamilselvan Assistant Head master & PG Assistant in Mathematics, Government Higher Secondary School, Kalapatti, Coimbatore Dr. V. Chandran Former Headmaster, CSI Boys Higher Secondary School, Erode, Former Dean(S&H), RVS Technical Campus, Coimbatore	20 Participants from various schools got benefited.	Empowered teachers with the skills and tools to design innovative lesson plans, to develop interactive learning experiences and to integrate computer science and mathematical concepts, promoting interdisciplinary learning and critical thinking skills among students.
4	Hands-on Training on “Upskilling Networking Skills for Lab Technicians”	16-03-2024	Mr. K. J. Bhagavathy, System Engineer, Precision Infomatic Pvt Ltd, Coimbatore	16 Lab Technicians	Equipped the lab technicians with knowledge and tools to troubleshoot and intricate networks.

OUTREACH / EXTENSION ACTIVITIES

S. No.	Name of the Event/Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1	Workshop on “Empowering Young Minds: Building Resilience in students”	24-08-2023	Mr. P. Nanda Kumar Emotional wellness Coach and Author, Member ICF, International Coach Federation, Coimbatore.	80 students	This workshop created an awareness towards empowering and shaping young minds.
2	Hands-on-Training Programme in “Python and PHP”	27-12-2023	B. Dharshana W. B. Preethi III B.Sc. Computer Science	58 students	Students learnt about: <ul style="list-style-type: none">• Advantages and applications of Python and PHP.• Basic Concepts and syntax of Python and PHP through Quiz.