



**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

DEPARTMENT OF COMPUTER SCIENCE

ACTIVITIES CONDUCTED

UNDER

DBT STAR COLLEGE SCHEME 2024-2025



HANDS ON TRAINING

S. No.	Name of the event/ Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1.	Hands on Training Programme on “Problem Solving Techniques Using Mobile App”	19.08.2024	Dr. K. Rajalakshmi, Assistant Professor, Department of Science & Humanities, Sri Krishna College of Engineering & Technology, Coimbatore.	Students: 72 Faculty: 3	Students learnt about P/S (Price-to-Sales) Calculator to find the mean, median, correlation and regression. They also learnt about MATLAB and Online Octave which enables them to do the matrix calculation easily.
2.	Hands on Training Programme on “Machine to Machine Communication (M2M)”	03.09.2024	Dr. N. V. Brindha, Assistant Professor of Computer Science, PSGR Krishnammal College for Women, Coimbatore.	Students: 71 Faculty: 3	Students learnt more about machines through • Real Time Monitoring • Data Exchange • Predictive Maintenance 5 Students have done a project using M2M Communication.
3.	Hands on Training Programme on “Pervasive Computing”	20.09.2024	Mr. Mohamed Ibrahim, Cross Platform Developer, Accent Techno Soft, Coimbatore.	Students: 55 Faculty: 2	Students gained practical knowledge about how Pervasive Computing affects various aspects of daily life. They learnt about the • Impacts on education and skill development. • Changes in urban planning and infrastructure.

4.	Hands on Training Programme on “DevOps and Docker”	20.01.2025	• M. Harish Goutham, Cloud Architect, Oracle, Bengaluru. • B. Karthick Prakash, CEO, Heycloud Innovations, Coimbatore.	Students: 54 Faculty: 3	Students learnt about how DevOps and Docker helped the organizations to achieve faster software delivery cycles, improved system reliability, and enhanced collaboration between development and operations teams, leading to increased customer satisfaction and business agility.
5.	Hands on Training Programme on “IoT & Robotics”	26.02.2025	Dr. T. Kalaiselvi, Associate Professor of Computer Science & Applications, Gandhigram Rural Institute, Gandhigram. Dindigul	Students: 41 Faculty: 4	• Students gained practical experience in working with microcontrollers, sensors and communication protocols. 17 students have done projects using IoT with automation.
6.	Hands on Training on “Exploring R in Data Science”	14.03.2025	Dr. S. P. Gayathri, Department of Computer Science,	Students: 45 Faculty: 4	The students gained more knowledge about data manipulation, visualization, statistical analysis and machine learning which enabled them to analyze complex datasets and derive meaningful insights for data-driven decision-making. The students learnt to apply the concepts of R Programming to visualize the data in their projects.

CONFERENCE/ SEMINARS / TRAINING/ ORGANIZED

S. No.	Name of the event/Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1	A Seminar on “Exploring the Power of Gen-AI Tools”	12.08.2024	Dr.S. Karpagavalli, Associate Professor of Computer science, PSGR Krishnammal	Students: 60 Faculty: 3	• Acquired the knowledge of AI, Machine Learning, Deep Learning and

			College for Women, Coimbatore.		Generative Artificial Intelligence obtaining the importance of Gen AI tools. Many students used AI tools in their Projects.
2.	A Seminar on “IPR Infringement & Consumer Affairs”	04.10.2024	J. Cibin Samuel, B.A, B.L(Hons)., Advocate (Civil & Criminal), District Court, Coimbatore.	Students:145 Faculty: 4	- Increased awareness among students about IPR infringement and its impact on consumers. - Enhanced understanding of consumer rights and responsibilities related to IPR.
3.	A Seminar on “AI Applications and Practical Insights”	08.01.2025	Dr. Venkatapathy Subramanian, Director, Anaadi Rural AI Center, Palani.	Students: 36 Faculty: 4	- Students understood the basics of Artificial Intelligence and Machine Learning, and also gained knowledge - Students also learned how to apply predictive data analytics to real-world problems and explored new AI techniques like Generative AI and its working structure.
4.	A Seminar on “Power BI: Insights and Applications”	30.01.2025	Dr. V. Radhamani, Assistant Professor, Department of Mathematics, J.K.K Nataraja College of Arts and Science,	Students: 41 Faculty: 3	Students understood the features of Power BI, which helps to design interactive reports and dashboards, and learnt about how data visualization supports effective business decision- making.

			Namakkal.		
5.	A Seminar on “Emerging Trends in Cyber Security”	11.03.2025	Mr. Karthikeyan, Nagaraj, Cloud Consultant, Coimbatore.	Students: 65 Faculty: 4	Students gained a deeper understanding of the latest cyber threats, including ransomware, phishing developed projects based on Cyber Security.
6.	A workshop on “Web Application Development”	02.09.2024	Dr.V.K. Narendira Kumar, Associate Professor of Computer Science, Gobi Arts and Science College, Gobi.	Students: 69 Faculty: 3	• Students were provided with an opportunity to explore the fundamentals of building websites and web applications. • They gained a basic understanding of core Web technologies and were encouraged to take their first steps toward becoming skilled web developers. • Projects based on Web Application had been developed by the students.
7.	A Workshop on “Ubiquitous Computing”	12.09.2024	Mr. Mohamed Ibrahim, Cross Platform Developer, Accent Techno Soft, Coimbatore.	Students:60 Faculty: 3	• Students understood how computing was integrated into everyday life. • They learnt how it improved productivity, user experience, accessibility, decision- making, and personalized healthcare.
8.	A Workshop on “Mobile Phone Servicing and Troubleshooting”	22.01.2025	Mr. B. Krishnakumar, Founder / CEO, New Technology Institutions, Coimbatore.	Students: 50 Faculty: 3	• Students learnt to efficiently diagnose and repair both hardware and software issues in mobile devices and to use advanced

					tools for troubleshooting problems. • Students practiced preventive maintenance to improve device performance and longevity and gained skills in replacing faulty components.
9.	A Workshop on “Machine Learning Using Python”	05.03.2025	Dr. P. Sriramakrishnan Assistant Professor, Department of Mathematics, Amrita Vishwa Vidhyapeetham, Coimbatore.	Students: 52 Faculty: 4	• Students learnt about the key concepts in Machine learning and learnt about how to improve accuracy in predictions, automate tasks, and enhance decision-making through data-driven insights. • Students also explored the power of Pattern recognition in solving complex problems. • Projects incorporating Machine Learning and Python have been developed by the students.
10.	A Workshop on “Data Analytics using Tableau”	10.03.2025	Dr.S. Ramkumar, Associate Professor, Department of Computer Science, School Sciences, Christ University, Yeshwanthpur Campus.	Students: 73 Faculty: 4	Students learnt about • Basics of Tableau • Data Connection • Interactive Dashboards & Reports • Advanced Data Visualization

INVITED LECTURES

S. No.	Name of the event/Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1.	A Guest Lecture on "Nurturing Youth Entrepreneurship the need of the hour"	19.07.2024	Dr.R. Mayilsamy Assistant Professor of Co-operation, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.	Students: 47 Faculty: 3	- Acquired the knowledge and obtained the importance of Entrepreneurship. - Four students completed an Interdisciplinary project in Commerce discipline.
2.	A Guest Lecture on "Cyber Threats"	23.07.2024	Mrs. Dilipa Sub Inspector, Thudiyalur Police station, Coimbatore.	Students: 68 Faculty: 4	Taught about cyber offences, including morphing, personal data theft and cash hacking, fake calls and fraudulent activities in bank transactions and money transfers. A Student has done a Project under Cyber threats.
3.	A Guest Lecture on "Impact of AI"	07.01.2025	Dr. V. T. Balamurugan, Professor & Head, Department of Biomedical Engineering, Bannari Amman Institute of Technology, Sathyamangalam.	Students: 52 Faculty: 4	Enabled the students to learn, conceptualize and develop the comprehensive knowledge of Artificial Intelligence, Machine Learning, Deep Learning algorithms effectively to analyze problems and identify solutions for real time applications.
4.	Guest Lecture on "Cyber Security & Intelligence"	28.01.2025	Dr. T. Velumani, Assistant Professor, Department of Cyber Security & DCFS, Rathinam College of Arts and Science, Coimbatore.	Students: 45 Faculty: 3	- Emphasized the importance of cybersecurity in today's digital world and provided insights into various cyber threats. - Focused on strategies to protect data and the role of intelligence in preventing Cybercrimes. 2 Students had done projects under Cyber Security.

5.	A Guest Lecture on “Evolution of AI in Medical Field”	12.03.2025	Dr. V. Manikandan, Medical Officer, Sakthi Siddha Medical Centre, Kumaraguru Institutions, Coimbatore.	Students: 64 Faculty: 4	- Students learned how AI assists doctors by automating tasks and reducing paperwork, allowing for more focus on patient care. - They also understood the challenges such as data privacy, fairness in decision-making, and the need for clear rules and safety measures. 3 Students have done Project under Medical Field.
----	---	------------	--	----------------------------	---

EXHIBITION / COMPETITIONS CONDUCTED

S. No.	Name of the event/Activity	Date	Number of Beneficiaries	Outcome
1.	IDEAL IGNITION Competitions	04.09.2024	92 Students	- Boosted Confidence and Self-Esteem - Developed Competitive Spirit and Resilience - Enhanced Skills and Knowledge - Encouraged Teamwork and Collaboration - Improved Problem-Solving and Critical Thinking
2.	Competitions for School Students	08.10.2024	64 School Students	- Enhanced students' diverse skill sets. - Students were motivated to learn advanced developments in Computer Science subjects. The competitive spirit among the students ignited their minds towards science education.
3.	Science Fest '24-Exhibition	08.10.2024	98 School Students	School students were motivated towards science education. Students gained practical understanding of concepts through real-time models.
4.	“Techno Fusion 2k24” Competitions for College Students (Poster, Paper Presentation, Connection, Advertisement, Web designing, Quiz)	17.12.2024	316 Students	- Explored interdisciplinary connections between the Mathematics, Engineering and other Science domains. - Encouraged team work and presentation skills. - Promoted innovation and creativity by integrating theory with practice.

5.	“Filmfest ’25” for Science students.	20.02.2025	20 Students	Motivated students to delve deeper into emerging trends and advanced developments in science, fostering a passion for continuous learning and innovation.
----	--------------------------------------	------------	-------------	---

TRAINING COURSES CONDUCTED

S. No.	Name of the event/Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1.	5 Days Virtual FDP “Future Prospects of Innovations in Artificial Intelligence”	02.12.2024 to 06.12.2024	• Mr. Ramesh Lekshmyanarayanan, Digital & Business Transformation, Green Catapult Duke University, New York, US. • Mr. Bhairav Mehta Senior Manager, Data Science and Product Management Amazon Cornell University, San Jose, California, US. ❖ Dr. Anand Nayyar, Professor, Scientist, Vice-Chairman and Director, School of Computer Science, Duy Tan University, Da Nang, Viet Nam. ❖ Mrs. Rose Oviya Ramasamy, Senior Cloud Architecture & Consultant, New York SenOvi Software Consultants, New York. ❖ Dr. Anand Ranganathan, Co-founder, Chief AI Officer.	83 Students	• The outcome of leveraging AI Tools in fostering academic excellence in research and innovation is a paradigm shift towards streamlined processes, enhanced collaboration, and groundbreaking discoveries. • By integrating AI – Driven solutions, researchers can efficiently navigate novel insights and trends with ease.

2.	Training Programme for Lab Technician on “Laptop Servicing and Networking Credentials”	22.1.2025	Mr.A. Sajith Trainer Technician, New Technology Institutions.	12 Lab Technicians	Technicians acquired practical knowledge about various types of Laptops servicing and troubleshooting through hands-on training.
3.	Faculty Development Programme on “IPR Insights and Digital Tools for Teaching”	27.01.2025	Dr B Gayathri, Associate Professor, Department of Computer Science, Bishop Heber College, Trichy. Dr M Rani, Professor, Kumaraguru College of Technology and Business School, Coimbatore.	63 Faculty from various Science Departments	• The Programme enhanced the importance and awareness of IPR. • Faculty members gained clear understanding of Patents, Copyrights, Trademarks, Research ethics and equipped with skills to use digital platforms.

OUTREACH / EXTENSION ACTIVITIES

S. No.	Name of the event/Activity	Date	Resource Person	Beneficiaries of the activity	Outcome
1.	Hands on Training Programme in “Python and PHP” (XII Standard students)	01.02.2025	Students of III B.Sc. Computer Science.	70 Students	Students learnt about • Advantages and application of Python language. • Learnt the syntax to code basic programs using Python. • Learnt about the basics and usage of PHP for website development.
2.	Hands on Training Programme in “HTML” (XI Standard students)	06.02.2025	Dr. M. Jagadeeswar i, Assistant Professor, Department of Computer Science, KASC, Coimbatore.	38 Students	• Students learnt the basic web designing skills. • It improved their computer knowledge, encouraged creativity, and gave them a better understanding of how websites are made, preparing them for the digital world.
3.	Awareness Programme on	08.07.2024 - 11.07.2024	Students of III B.Sc. Computer	Students: 70 Faculty: 2	Imparted the Knowledge of Basic Operations of

	“Digital Literacy for Non-Computer Science students”		Science.		Computers, functionality of ChatGPT, Scratch and Cloud Computing about Artificial Intelligence (AI).
--	--	--	----------	--	--

INDUSTRIAL VISITS

S. No.	Class	Place of Visit	Date	No. of Beneficiaries	Outcome
1.	III-B.Sc. Computer Science	Regional Science Centre and Science Museum, Coimbatore.	26.09.2024	Students: 48 Faculty: 4	- Students experienced the applications of Science in various domains. - Enriched technological knowledge. - Created interest in Scientific principles - Fostered creativity and innovative thinking in the minds of the students.
2.	II-B.Sc. & III-B.Sc. Computer Science	Industrial Visit to A-Cube Tech Skills Lead, Mysuru, Bangalore.	04.12.2024 to 08.12.2024	Students: 51 Faculty: 4	- Learnt the life cycle of software development. - Created awareness about the opportunities in the subdomains of the IT industry. - Exposed to the functionalities of various departments of the IT industry. - Students learnt about cyber security system and project were done based on Cybersecurity and AI.
3.	I-B.Sc. & II-B.Sc. Computer Science	Vijnan Sagar Science and Technology Park, Thrissur, Kerala.	25.02.2025	Students: 50 Faculty: 4	The visit provided students with practical exposure to emerging technologies such as robotics, sensors, and computing systems. It enhanced their understanding of interdisciplinary
4.	II-B.Sc. Computer Science	BSNL office, Saibaba Colony, Coimbatore.	03.03.2025	Students: 32 Faculty: 3	Students acquired knowledge on working principles of

					telecommunication industries, Customer service and operations including various Mobile services. • Visited the power room and interacted with Telecommunication personnel to know about its working process.
5.	III-B.Sc. Computer Science	ISRO Satish Dhawan Space Centre, SHAR, Sriharikota.	28.03.2025	Students: 5 Faculty: 1	• Students gained valuable insights into ISRO's cutting-edge work in space science and technology. • They learnt about upcoming missions like Gaganyaan and developed a deep sense of national pride witnessing ISRO's global achievements.

FACULTY DEVELOPMENT PROGRAMME ORGANIZED

S. No.	Name of the FDP	Date	Resource Person	Number of Beneficiaries	Outcome
1.	5 Days Virtual FDP “Future Prospects of Innovations in Artificial Intelligence”	02.12.2024 to 06.12.2024	• Mr. Ramesh Lekshmyanarayanan, Digital & Business Transformation, Green Catapult Duke University, New York, US. • Mr. Bhairav Mehta Senior Manager, Data Science and Product Management Amazon Cornell University, San Jose, California, US. ❖ Dr. Anand Nayyar, Professor, Scientist, Vice-Chairman and Director, School of Computer Science, Duy Tan University, Da Nang, Viet Nam. ❖ Mrs. Rose Oviya Ramasamy, Senior Cloud Architecture & Consultant, New York SenOvi Software Consultants, New York. ❖ Dr. Anand Ranganathan, Co-founder, Chief AI Officer.	83 Students	• The outcome of leveraging AI Tools in fostering academic excellence in research and innovation is a paradigm shift towards streamlined processes, enhanced collaboration, and groundbreaking discoveries. • By integrating AI – Driven solutions, researchers can efficiently navigate novel insights and trends with ease.

2.	Training Programme for Lab Technician on “Laptop Servicing and Networking Credentials”	22.01.2025	Mr.A. Sajith Trainer Technician, New Technology Institutions.	12 Lab Technicians	Technicians acquired practical knowledge about various types of Laptops servicing and troubleshooting through hands-on training.
3.	Faculty Development Programme on “IPR Insights and Digital Tools for Teaching”	27.01.2025	Dr B Gayathri, Associate Professor, Department of Computer Science, Bishop Heber College, Trichy. Dr M Rani, Professor, Kumaraguru College of Technology and Business School, Coimbatore.	63 Faculty from various Science Departments	• The Programme enhanced the importance and awareness of IPR. Faculty members gained clear understanding of Patents, Copyrights, Trademarks, Research ethics and equipped with skills to use digital platforms.