



THE DEPARTMENT OF INFORMATION TECHNOLOGY 2023 - 24



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About the college

B.S. Abdur Rahman Crescent Institute of Science and Technology has been a premier institution dedicated to academic excellence since its establishment in 1984. With a legacy spanning over 40 years, the institution has consistently provided access to a diverse range of academic opportunities. Offering 57 programmes across 12 different schools, along with Ph.D. programmes in all disciplines, it has emerged as a distinguished leader in higher education, renowned for its commitment to quality, security, and placement. Welcoming students from across the globe, the institution designs its educational programmes to equip learners with the knowledge and skills necessary to achieve their aspirations and advance in their chosen careers.

As an intellectual hub, the institution fosters an environment that challenges conventional thinking and inspires a passion for learning. Its distinctive teaching approach encourages students and scholars to strive for excellence, both individually and collectively. Beyond delivering high-quality education, the institute offers a green campus and a well-structured student life, ensuring that learners make the most of their academic journey. Through a diverse range of educational programmes and student development clubs, the institution provides enriching experiences that nurture personal and professional growth, cultivating a lifelong sense of community and belonging.

About the Department of Information Technology

The department was started in 1999 and has been offering B.Tech.-Information Technology since 1999, M.Tech.-Information Technology since 2010 and Ph.D since 2009. It has highly qualified, experienced and dedicated faculty members specialized in various areas like Artificial Intelligence, Deep Learning, Machine Learning, IoT, IIoT, Data Science, Cyber Security, Cloud Computing, Mobile Computing & Networks, Computer Networks, Ad hoc Networks and Software Engineering.

The faculty members contribute their very best to the academic environment by publishing research papers in National and International Journals. The department imparts comprehensive knowledge coupled with practical exposure, which is essential for software design, development and testing in the IT industry. To expose latest trends to the students, value-added courses, MOOC, in-house seminars, workshops, industrial visits are conducted periodically. A National level symposium 'ICON' is organized every year by the department's professional society, "Society of Information Technologists (SIT)" to enhance the technical skills of the students.



Industrial Visits

The department organized four industrial visits to premier research and development institutions, exposing students to real-world applications of IT across domains. Final-year students visited UR Rao Satellite Centre (ISRO), Bengaluru, gaining insights into satellite technology and space research. Third-year students explored PARAM Utkarsh Supercomputing at CDAC, Bengaluru, understanding AI, big data, and HPC systems. Another industrial visit by the third years, to National Remote Sensing Centre (ISRO), Hyderabad helped students explore remote sensing, space communications, and networking infrastructure. Second-year students visited Genesys Telecom Labs, where they engaged in a tech quiz and explored cloud-based customer interaction platforms and IVR solutions.



Conferences, Workshops, and Guest Lectures

The department hosted a series of knowledge-sharing events during the academic year to enrich student learning beyond the classroom. In collaboration with LIVEWIRE, a webinar on Selenium Testing Tools and a hands-on session in Full Stack Web Development were conducted, both led by Mr. Anupriyan K., Corporate Trainer and Technical Leader at LIVEWIRE, Chennai. A guest lecture on Object-Oriented Programming with Real-World Scenarios was held on May 18, 2024, also facilitated by Mr. Anupriyan K.



Students also benefited from a hands-on training session on Bug Bounties, conducted by Mr. Ranganathan, Founder of R Protocols, and a UI/UX Design workshop led by Mr. Vinayagam Mahalingam from LIVEWIRE. These initiatives were made possible with financial support from the institution, which contributed ₹7,784 for SIT activities and ₹27,750 for ICON 2024, ensuring the successful execution of these impactful events.

Professional Society Activities

The Society of Information Technologists (SIT) organized a successful technical event with a motivational talk by Mr. Abdul Hakim, CEO of ABR Systems Pvt. Ltd., focusing on mindset and growth.

The annual ICON 2024 symposium featured Mr. Arunmozhivarman Sannasi, Manager at Genesys, who emphasized the need for technological relevance.



The IT Trailblazers club was officially inaugurated on 14th September 2023 by Mr. Abdul Hakim, Founder and CEO of ABR Systems Private Limited. The ceremony was graced by the esteemed presence of Dr. Sharmila Sankar, Dean of the School of Computer, Information and Mathematical Sciences, and Dr. N. Prakash, Head of the IT Department. Faculty coordinators of the IT Trailblazers club and student coordinators were also in attendance, marking the beginning of an exciting journey for the club.



Value-Added Courses and Training

To enhance industry readiness among students, the department collaborated with Enarxi Innovations Pvt. Ltd., Chennai to offer a 45-hour value-added course titled “AI & IoT: A Hands-on Approach to Smart Technologies”, conducted from February to July 2024 with 17 student participants. Additionally, the department partnered with Edunet Foundation and IBM SkillsBuild to conduct two impactful training programmes. The IBM Project-Based Boot Camp on Cloud and AI (March 12-16, 2024) and an Orientation Programme (June 18, 2024) benefited over 210 students and 4 faculty members, offering direct exposure to cloud platforms and applied AI.



The department actively promoted interdisciplinary learning through a joint programme with the ECE department titled “Dockers, Kubernetes and AWS IoT Core for Data Collection from Edge Devices”, attended by 75 students and 5 faculty. This initiative offered a strong foundation in containerization, orchestration, and edge computing – essential technologies in modern distributed systems.

Faculty Development and Participation

The faculty of the IT Department actively participated in a wide range of Faculty Development Programmes (FDPs), workshops, and conferences throughout the academic year 2023-24, focusing on both technical and pedagogical growth. These programmes covered diverse domains such as artificial intelligence, cloud computing, UI/UX design, research methodology, Python programming, and outcome-based education.

Artificial Intelligence, Machine Learning, and Emerging Tech

Faculty members extensively engaged with advanced topics in AI, ML, and data analytics. Dr. Nabeena Ameen, Dr. Kabeer M., Mrs. R. Ramya, Ms. R. Pavithra, and Ms. A. Sonya underwent training in AI, deep learning, IoT-driven applications, and even no-code ML tools. Dr. Kabeer M. also completed FDPs in quantum computing, generative AI, business analytics, and R programming. Dr. G. Kavitha and Dr. P. Latchoumy pursued NPTEL courses in Data Science and IoT, reflecting the department's dedication to staying current in fast-evolving technologies.

UI/UX Design, Web Development, and Cloud Technologies

Keeping pace with industry demand, Dr. Nabeena Ameen undertook training in UI/UX design, Django, and Flutter, while Dr. I. Sathik Ali, Dr. Mohammed Wajid Khan, and Mrs. R. Ramya explored cloud infrastructure through AWS-focused FDPs.

Cybersecurity, Backend Development, and Ethical Hacking

Faculty such as Dr. Kabeer M. and Dr. Nabeena Ameen strengthened their cybersecurity knowledge through courses in ethical hacking and backend systems. These efforts were supplemented with additional sessions on secure application development and infrastructure design.

Research Methodology and Outcome-Based Education (OBE)

The department also prioritized research capabilities and effective teaching practices. Dr. Nabeena Ameen, Dr. Mohammed Wajid Khan, Dr. Kabeer M., Mrs. S. Muthahara Fathima, Mrs. R. Ramya, and Ms. A. Sonya participated in multiple sessions on advanced research methodologies, academic writing, anti-plagiarism tools, and question paper setting under OBE frameworks. Workshops and FDPs by ACT Academy, CITL, and other academic bodies were instrumental in this upskilling.

List of publications by faculties (2023 - 24)

(Links to details)

Dr. Nabeena Ameen

Dr. G. Kavitha

Dr. Kabeer M

Dr. Mohammed Wajid Khan

Dr. N. Rajendran

Dr. P. Gnanasekaran

Dr. P. Latchoumy

Dr. Latha Tamilselvan

Dr. A. Sonya

Achievements of students and faculties

Dr. P. Latchoumy received the Hangout '23 Award for academic and research contributions.



Dr. G. Kavitha was awarded the NPTEL Discipline Star and ranked in the Top 5% of the IoT NPTEL course. Dr. Wajid Khan was also recognized as a Master Trainer in High-Performance Computing by AICTE and CDAC, following an intensive training programme. Students Abdul Kalam B and Sandhiya R earned certifications from TCS iON and Udemy, respectively.

Outreach & Development

The department engaged in multiple branding and knowledge dissemination activities, including its participation in Educational Expo 2024, coordinated by Ms. R. Pavithra, which helped improve visibility and attract new admissions. Through collaboration with Edunet Foundation, students gained access to over 600+ courses and internships supported by AICTE.

International exposure was provided to students through internship programmes abroad. Aafreen Marzuqa A. and Renukanthan K. participated in the India-Malaysia Youth Exchange Program. Shadman Shafat completed a prestigious internship at the International Center for Health Information Technology (ICHIT), Taiwan, enhancing skills in health informatics.

The Department of Information Technology also inaugurated the Skill & Personality Development Programme Centre (SPDC) during the academic year 2023-24, sanctioned under an AICTE-funded initiative. The project, led by Dr. N. Prakash, received a grant of ₹14,68,166, and is currently ongoing. The centre aims to provide students with essential soft skills, professional development training, and exposure to industry-relevant tools, thereby enhancing their employability and confidence.



The department conducted an Industry 4.0 seminar for QIS College of Engineering and Technology, educating over 65 students on IoT, IIoT, and blockchain applications in automation.