



SATHYABAMA

**INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)**

CAMPUS INSIGHTS

Bringing you quarterly updates on campus activities

"ENTRY IS NOT IMPORTANT EXIT IS IMPORTANT"
- Col.Dr.JEPPIAAR



ISSUE-II

2024-2025



Dear Sathyabama Community,

I am delighted to extend a warm Greetings to all the members of our University. I am highly pleased to address you with major insights of our Institution in the past quarter.

I honestly express my sincere appreciation for the dedication and commitment by our faculty, staff, and students. Our university is not just a center for learning but also a community which encourages critical thinking, ingenuity and a sense of responsibility toward society. In the coming months, we will continue to invest and excel in cutting-edge research, innovative teaching methodologies, and state-of-the-art infrastructure to ensure that our students receive a world-class education.

I see Sathyabama as a place for academic excellence, inclusivity, and an environment where every individual can thrive. Sathyabama is a place with mixture of cultures, ideas, and perspectives, and it is this diversity that enriches our academic experience and prepares our graduates for a global demand. We will continue to create an inclusive environment where every voice is heard and respected.

I encourage each member of our community to actively participate in the various academic, cultural, and extracurricular activities. Our shared journey and your contributions are integral part of our continuous growth and learning. I look forward to witnessing the achievements and successes that will undoubtedly arise from the collective efforts of our community.

Thank you for your dedication, passion, and commitment and look forward to witness our collective achievements in the months to come.

Warm regards,

Dr. Mariazeena Johnson

Chancellor, Sathyabama Institute of Science and Technology



Sathyabama IE(I) Student Chapter has organized an Agglomeration of IE(I) Student Chapters functioning on 2nd August, 2024. IE(I) Student members and Faculty Advisors from various Student Chapters such as the ECE Chapter, CSE Chapter, EEE Chapter, Bio-Tech Chapter, CSE Specialization Chapter, IT Chapter, Chemical Engineering Chapter and Aeronautical Engineering Chapter have congregated to embark the beginning of the year 2024-2025. Mr. J. Arul Selvan, Vice President has graced the momentous occasion with his august presence and gave away the certificates of recognition to the outgoing Office Bearers for their outstanding contribution and active involvement in promoting technical activities and Best Student Chapter Rolling Trophy for the year 2023-2024.



Centre for Molecular and Nanomedical Sciences, International Research Centre organized a training program on “Zebrafish Embryo Toxicity and Immunoblotting” from 1st to 3rd August, 2024.





The Department of Information Technology, in association with GUVI Geek Network Private Limited, organized a **TECH TALK** event on 06-08-2024. Speakers Mr. Muruganantham, Mr. Sriram, and Mr. Gowtham shared their technical expertise with final-year students, enhancing their knowledge of current industry trends and technical skills.

Centre for Drug Discovery and Development organized a **Special Lecture Series** in which Dr. Senthil Kumar, Project Manager, Ambulanzpartner Soziotechnologie APST GmbH - a Clinical Research Company from Berlin, Germany delivered an Expert talk on the Topic: “Curiosity” meets “How” on 05th August, 2024. A total of 25 students and staff participated and benefited from the program.



Centre for Drug Discovery and Development in Association with VivagenDx Labs organized this third series of Clinician-Academia-Industry Collaborative Focus Group Discussion on Translational Research on the Topic: Leveraging Spatial Technologies Towards Advancement of Precision Medicine. A total of 25 Clinicians, Scientists and Industry partners participated in this panel discussion to take forward the collaborative projects such as joint industry (Intel Corp., USA and VivagenDx Labs), academia (IIT, Madras and JIPMER, Pondicherry) and hospital (Kauvery Hospital, Medway Hospitals, Dr. Mehta Hospital) collaboration with special focus on latest technologies such as spatial computing and spatial genomics.

National Facility for Coastal and Marine Research (NFCMR) and Centre for Ocean Research in collaboration with Spinco Biotech Pvt Ltd., Chennai, organized a five-day “Workshop on Chromatographic Techniques” from July 23rd to 27th, 2024. The training aimed to cultivate expertise in handling Gas Chromatography and Tandem Mass Spectrometry (GC-MS/MS) and Liquid Chromatography & Tandem Mass Spectrometry. Training were given on marine sample preparation for MS analysis, interpreting mass spectral data, and instrument operation and maintenance. Scientists from Toshvin Analytical Pvt. Ltd and Spinco Biotech Pvt Ltd shared their expertise with the participants. Postdoctoral fellows, research scholars, students and industries professionals were benefited.





The Department of Information Technology held a workshop on **"3D Modeling and Animation using Blender"** on August 7-8, 2024. Participants acquired hands-on experience with Blender software, learning key techniques for creating detailed 3D models and animations. The workshop improved their skills in visual design and animation, offering practical knowledge for future projects.

Centre for Molecular and Nanomedical Sciences, International Research Centre organized a workshop on **"microRNA target prediction and qPCR expression studies"** from 5th to 7th August, 2024.



Sathyabama Research Park, Centre for Laboratory Animal Technology and Research conducted Summer Internship Program on **Translational research in Preclinical models –In vivo and In vitro** from 5th to 23rd August, 2024. Post graduate students from Srinivasa College of Arts and Science and Students of Sathyabama participated in the program and acquired knowledge with the basics of preclinical research, cell line studies and Molecular research.



Sathyabama Research Park, Centre for Laboratory Animal Technology and Research organized a One-Day Workshop on "Preclinical Laboratory Animal Research: Expert Guidance and Hands-On Training" on 7th August, 2024. 45 students from the Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi participated.



Sathyabama Research Park, Centre for Ocean Research and the National Facility for Coastal and Marine Research, Sathyabama Institute of Science and Technology jointly organized a **DST-SERB sponsored International Conference on "Climate Change and Marine Biodiversity Conservation: From Science to Action"**. Distinguished guests were Dr. P. Krishnan, Director of the Bay of Bengal Programme - Intergovernmental Organization, Dr. Tune Usha, Scientist G National Centre for Coastal Research (NCCR), and Dr. E. Vivekanandhan, National Consultant at BoBP.



The Department of CSE, with specialization in Data Science, organized a session titled **"Yoga and Wellness: A Soulful Stretch Relief"** for all faculty members on 10.8.2024. Held by Mr. Praburam, a health consultant and specialist in Yoga Therapy from Veyoga Healing Nature Cure in Selaiyur, the session offered extensive guidance on breath work, spine alignment, and body movement through hands-on techniques.

Independence Day 2024



Sathyabama Institute of Science and Technology - 33rd Convocation



Centre for Molecular and Nanomedical Sciences, International Research Centre organized a Training Program on “Zebrafish Embryo Toxicity and Molecular Techniques” from 8th to 10th August, 2024.



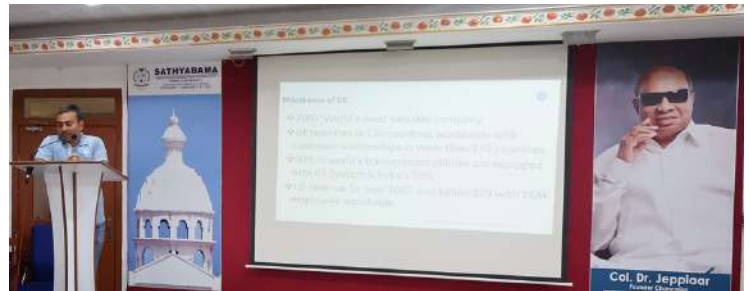
Sathyabama Freshers Day 2024





The Department of Information Technology, in association with cSoft Technologies Private Ltd, successfully organized the **Home Health Hackathon** from August 22nd to 24th, 2024. On the final day, Ms. Chiamla, our distinguished alumna and Founder of cSoft Technologies, awarded cash prizes of Rs 20,000 to the winning team and Rs 10,000 to the runner-up team, marking the conclusion of the Hackathon.

Department of Mechanical Engineering, School of Mechanical Engineering organized an **Expert talk on Costing and Estimation methodology for major components of Power Industry** by Mr. Raghavendra Pratap Singh, Lead Source Specialist, GE Renewable Energy, Chennai on 5th August, 2024.



The Centre for Drug Discovery and Development in association with VivagenDx Labs organized this first-of-its-kind Inter-Institutional Networking Series on the Topic: **Joint research collaborations** in Biomedical and Translational Research.



Department of Mechanical Engineering, School of Mechanical Engineering organized a **Guest lecture on Innovative Japanese Concepts** adopted in Automotive Industries by Mr. Venkadesh Vijayaraghavan, General Manager (Industrial Engineering), ZF Commercial Vehicle Control Systems India Ltd, Mahindra World City, on 27th August, 2024, in association with SAE.



School of Mechanical Engineering conducted a **Guest lecture on Automotive Trends and New Product Development** by Mr. B. Balaji, Senior Manager Hyundai Mobis, in association with SAE.

The **"Workshop on 3D Bioprinting Technology"** took place from August 21st to 23rd, 2024, at Sathyabama Institute of Science and Technology, organized by the Centre for Laboratory Animal Technology and Research (CLATR). This three-day workshop aimed to immerse participants in the revolutionary field of 3D Bioprinting, with a focus on its applications in tissue engineering and regenerative medicine.



Sathyabama StartUp Fest 2024



27+	600+	₹5,00,000	₹50,00,000
GUEST SPEAKERS	TEAMS PARTICIPATED	CASH PRIZE DISTRIBUTED	FUNDING, MENTORING, & GROWTH SUPPORT

ANRF - SERB

ANRF - SERB Sponsored **two day seminar** on Sustainable Energy Technologies for the Blue Economy on 17th and 18th October, 2024 is organized by the department of Electronics and Communication Engineering. The seminar featured 100 participants from various institutions. Dr.G.Sundari ,Director Administration has given a welcome address and the inaugural address is presented by Dr.T.Sasipraba,Vice Chancellor. The Guest of honor and Keynote speaker Dr.R.Venkatesan Ph.D. FMTS FNACE, FIE,SMIEEE CMarTech(UK), Former Consultant-UNESCO, Scientist (Retd) NIOT & Adjunct Professor UMassD USA. The session commenced with keynote addresses on the Blue Economy Opportunities for Engineers. Dr. Abdus Samad Professor, Dept. of Ocean Engineering Indian Institute of Technology delivered an expert lecture on Ocean wave Energy in India and Dr.G.Latha, Head of Ocean Acoustics and Scientist G has discussed Acoustic Techniques for understanding climate change and sustainable ocean development. The second day session started with the lecture by Dr.M.Jayanthi Principal scientist, ICAR-Central Institute of Brackish water Aquaculture on development for blue economy and followed by Dr. S. Kumaralingam and Dr. D Jeyaprakash, Centre for Ocean Research Sathyabama Institute of Science and Technology on Sustainable use of ocean resources and Economic Frontier. The seminar looked at how to evaluate policy initiatives that support sustainable development and management of the ocean and coastal areas, as well as strategies to maximize their potential for sustainable growth. Additionally, shared the best practices and experiences regarding the development and management of sustainable oceans.



Sathyabama Research Park, Centre for Remote Sensing and Geoinformatics organized a workshop in association with Indian Society of Remote Sensing (ISRS) and Department of Computer Science with specialization in Data Science on the occasion of National Space Day with the theme of **“Touching lives while touching the Moon: India’s Space Saga”** on 22nd August, 2024 at Sathyabama Institute of Science and Technology, Chennai, The event was inaugurated by the chief guest Padmashri Dr. Mylswamy Annadurai, The Moon Man of India who graced the occasion.



CSE SYMPOSIUM VALEDICTORY



National Workshop on the Basics of Flow Cytometry Analysis



The Centre for Molecular and Nanomedical Sciences, Cancer Biology Lab, International Research Centre (IRC), and Beckman Coulter Life Sciences organized a **National Workshop on the Basics of Flow Cytometry Analysis** from October 7th to 8th, 2024. Our Vice Chancellor, Dr. T. Sasipraba, welcomed the delegates and inaugurated this national level training program. Mr. Jithin C. Mohan, Business Development Manager and Mr. C. Saravana Babu, Account Manager from Beckman Coulter Life Sciences, conducted the sessions and hands-on training on the basics of flow cytometry, apoptosis, and cell cycle analysis. Faculty members, research scholars, and students from various institutions participated and gained practical experience in flow cytometry analysis and cell-based assays.

Hands-on training program on Cancer Cell Culture Techniques



The Centre for Molecular and Nanomedical Sciences hosted a three-day training on "**Cancer Cell Culture Techniques**" from September 26-28, 2024. Inaugurated by Vice Chancellor Dr. T. Sasipraba, the program drew faculty and students from across Kerala, Andhra, Karnataka, and beyond, covering cancer cell maintenance, passaging, MTT assays, and apoptosis assays.

Industrial visit - Beckman Coulters Life Sciences, Bangalore

12 students from the final year of M.Sc., Medical Biotechnology and Clinical research along with the faculties have visited Beckman Coulters Life Sciences, Bangalore for an industrial visit as a part of their curriculum from 04.10.2024 to 05.10.2024. During this two-days program our students had the opportunity to attend **lecture sessions and research laboratory visits** in the industry. Mr. Jithin C. Mohan, Business development manager, Beckman Coulters Life Sciences explained and guided the students on various product developments that take place in the industry. Students had fruitful and enriching experiences that will help them prepare for an industrial career.



International Student Internship Programme



32 students from the Department of Biomedical Engineering have participated in an **“International Student Internship Programme”** at Manipal University College Malaysia, Malaysia, from 01.10.2024 to 16.10.2024. During this two-week programme our students had the opportunity to attend lecture sessions and hands-on sessions on various topics on recent developments in the field of Biomedical Engineering. Students had fruitful and enriching experiences that will help them prepare for a global career.

Staff Mobility for Academic and Research Interaction Program at Manipal University College Malaysia



We are happy to share that our faculty members, Dr. T. Sudhakar, Head, Department of Biomedical Engineering, and Dr. Premkumar, Head, Department of Medical Lab Technology, participated in a **Staff Mobility for Academic and Research Interaction Program** at Manipal University College Malaysia, Malaysia, from 01.10.2024 to 16.10.2024.

Global Technology and Entrepreneurship Immersion Camp



27 students from the Department of Computer Science and Engineering (Specialization), Sathyabama Institute of Science and Technology have participated in a **Global Technology and Entrepreneurship Immersion Camp** at Universiti Sains Islam Malaysia (USIM) from 2-12, October 2024. Students participated in workshops, projects, and hands-on sessions and were exposed to various new technologies in areas like AI&ML, AIROBOTICS, and IoT that helped them gain invaluable experience. Four students who participated in this Programme were selected to work on a funded project at Universiti Sains Islam Malaysia.

Speakers in the UiTM International Conference on Mathematical Sciences (UICMS2024)

We are happy to share that our faculty members Dr. Nirmala, Professor and Head, Department of Mathematics, and Dr. Priya Shirley Muller, Assistant Professor, Department of Mathematics, participated as Keynote Speakers in the UiTM **International Conference** on Mathematical Sciences (UICMS2024) organised by Universiti Teknologi MARA (UiTM), Malaysia, on the 12th and 13th of October, 2024.



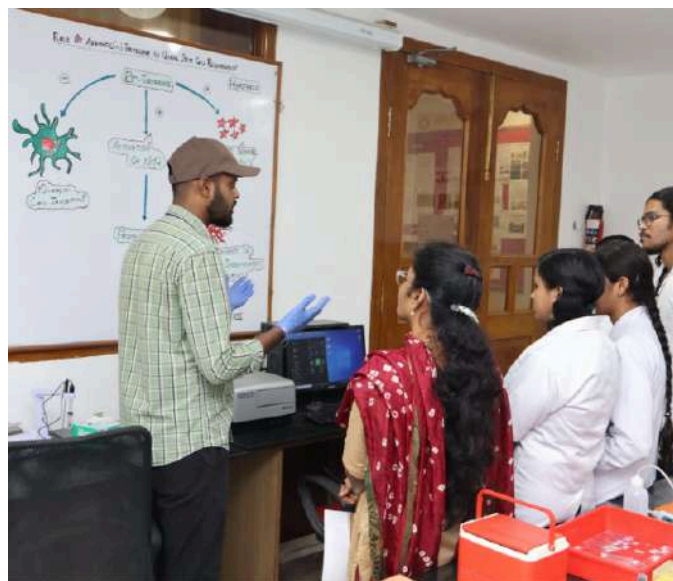
TechnicalTalk on the topic "Engineering the Mind: Cognitive Science Fueling AI Revolution"



Department of Electronics and Communication Engineering, School of Electrical and Electronics in association with the Institution of Engineers India IE(I) has organize TechnicalTalk on the topic **"Engineering the Mind: Cognitive Science Fueling AI Revolution"** on 19thSeptember 2024. This session was organized in commemoration of National Engineer's Day, featured Mr. M.K. Kumaresan, Senior AI Consultant at Google India Pvt. Ltd., Bengaluru. Mr. Kumaresan delivered an engaging talk on the role of cognitive science in advancing AI technologies, focusing on Google's CCAI suite and its applications in smart contact centers. He shared insights on how AI is transforming industries by enhancing user experiences through innovations in Conversational AI. The lecture also covered practical applications of Dialogflow

Workshop on mRNA and Protein Expression: Techniques and Applications

Centre for Molecular and Nanomedical Sciences, International Research Centre (IRC) of Sathyabama Institute of Science and Technology has organized a **three day Workshop on mRNA and Protein Expression: Techniques and Applications** from 25th to 28th September, 2024. Faculties, Research scholars, UG and PG students, Research Scholars from various institutions throughout the country participated in this event and experienced the Western blotting and Real time PCR techniques.



Swachhata Hi Seva campaign initiatives



The NSS Unit of Sathyabama Institute of Science and Technology has organized a series of events on 02.10.2024 as a part of "**Swachhata Hi Seva campaign initiatives**". In this regard, we organized a "Mega Beach Clean Up drive" at Uthandi Beach, ECR, Chennai to ensure cleanliness in coastal zones. It is an initiative of NSS to keep our coasts and Ocean garbage-free. We emphasized the essentials of "Save the Ocean" and collected around 250 kg of wastage with the support of 100 NSS Volunteers and gave the same to the representatives of Greater Chennai Corporations.

workshop on “Assessment of Water Quality in Multiple Environmental Contexts and Estimation of Primary Productivity”



Sathyabama Research Park, Centre for Earth and Atmospheric Sciences, Sathyabama Institute of Science and Technology, organized one day **workshop on “Assessment of Water Quality in Multiple Environmental Contexts and Estimation of Primary Productivity”** on 21st September 2024. Dr. Rajesh Rajendran, Assistant Professor and convener, delivered the welcome address. Guest Speaker was Dr. Kalzang Chhoden, Scientist C, National Institute of Hydrology, Roorkee, Uttarakhand, India. Participants were from University of Madras, VOC College, and Alagappa Govt Arts and Sciences. Dr. Kalzang Chhoden, delivered significant insights and methods of water quality analysis in multiple environmental contexts. She described in detail the physical and chemical characteristics of water, and she delivered the methods of sampling and storage techniques. Also explained the health risk hazard of fluoride, nitrate, and trace metals exceeding the limits of WHO and BSI guidelines.

The Investor Café on Fund Raising Master Class



Sathyabama Technology Business Incubator (TBI) organized the **Investor Café on Fund Raising Master Class for Startup Seeking Investments** on 20th & 21st September, 2024 at Sathyabama Research Park with speakers Mr. Prem Ananth, Founder & CEO of Start Insights. The Master Class was highly intensive to the startups towards Pitch Deck Preparations & Fund Raising.

“SEA THE CHANGE”



The Centre for Remote Sensing and Geoinformatics, in collaboration with the National Service Scheme (NSS) and the Department of Civil Engineering, organized the International Coastal Clean-Up Day Celebration 2024 with the theme **“SEA THE CHANGE”** on September 20-21, 2024. The event was supported by National Centre for Coastal Research, MoES, GoI, Chennai and sponsored by the Ministry of Earth Science, Government of India, New Delhi .

Building Entrepreneurship Thinking & Culture

Sathyabama Technology Business Incubator (TBI) in association with Department of Civil Engineering and Department of Chemistry organized a Startup Awareness Program on **"Building Entrepreneurship Thinking & Culture"** on 18th September, 2024 at Sathyabama Research Park. Dr. T. Seshadri, Advisor – Sathyabama TBI and Mr. Brabasuthan M, Manager - Sathyabama TBI were the speakers of the session. The session was highly informative to the students towards innovation and entrepreneurship in promoting startup ecosystem. The convener Mr.G. Krishnamoorthi explained the students about the support offered by TBI.



Training Programme on Real-Time PCR Techniques and Data Analysis



The Centre for Molecular and Nanomedical Sciences held a three-day training on **"Cancer Cell Culture Techniques"** from September 26-28, 2024, inaugurated by Vice Chancellor Dr. T. Sasipraba. The program attracted participants from across India, focusing on cancer cell maintenance, passaging, and various assays.

Hands-On NDT Techniques



The Centre for Quality Assurance and Non-Destructive Evaluation (CQANDE), in collaboration with the Department of Mechanical Engineering, conducted a **two-week internship on hands-on NDT techniques**. The workshop equipped 18 students with practical experience in Non-Destructive Testing (NDT) methods, emphasizing their importance across various industries. Participants engaged in detailed presentations and hands-on sessions, preparing them for real-world applications.

Training Programme on Real-Time PCR Techniques and Data Analysis



The National Facility for Coastal and Marine Research (NFCMR), Centre for Ocean Research and the Department of Bioinformatics, organized a **three-days Hands-on Training Program** on Gas Chromatography and Tandem Mass Spectrometry (GC-MS/MS) and Molecular Docking Analysis of Marine Bioactive Compounds from September 11 to 13, 2024. The objective of the training was to equip participants with advanced techniques for operating GC-MS/MS, to teach marine sample preparation for mass spectrometry analysis, to interpret mass spectral data, and to provide a special talk on molecular docking analysis in relation to marine bioactive molecules. Faculty members, postdoctoral fellows, research scholars, and students from various research organizations and industries participated and were benefited from this three-days training program.

Internship program on Fundamentals of Geospatial Technology and Applications



Sathyabama Research Park, Centre for Remote Sensing and Geoinformatics jointly with Department of Computer Science and Engineering organised **Two weeks internship program on Fundamentals of Geospatial Technology and Applications** during 9th to 21st September, 2024. This program provides a basic level understanding of remote sensing and Geospatial technology to observe, measure and predict the changes in Earth system. Hands on training is given on the open source GIS tools and web based analysis. Totally 18 students from AI, Robotics, Cyber security and Block chain technology specialization are being benefited out of this program.

Proteomics Hands on Workshop on “Identification and Purification of Protein”

Sathyabama Research Park, Centre for Ocean Research in collaboration with Cytiva organized **two-day Proteomics Hands on Workshop on “Identification and Purification of Protein”**. A total of 20 Research Scholars/Scientific Assistants participated and gained knowledge on the separation and purification of proteins using 2D gel electrophoresis and AKTA GO protein purification system.



Indo-Malaysia Student Internship Program



The Centre for Drug Discovery and Development, in collaboration with the Department of Biomedical Engineering, organized the Indo-Malaysia Student Internship Program for medical students from Manipal University College. Over two weeks, students participated in a **one-week internship** led by Dr. Krupakar Parthasarathy, featuring **expert lectures** on infectious diseases, including Dengue, Tuberculosis, and COVID-19. ICMR NIRT scientist Dr. Balaji delivered a special talk on TB diagnostics. Participants visited various labs, including microbiology, vaccine, and flow cytometry facilities, and toured Medway Hospital in Chennai. They received hands-on training in proteomics and mammalian cell culture techniques. A total of 19 students from Malaysia benefited from this program.

Swachhata Hi Seva campaign initiative



The NSS Unit of Sathyabama Institute of Science and Technology has organized a series of events on 28.09.2024 as a part of **Swachhata Hi Seva campaign initiatives**. In this regard we organized a Mega Clean Up drive to ensure cleanliness in educational institutions & Hospitals and conducted the awareness Rally to promote the significance of Swachhata Hi Seva campaign. Also conducted the orientation session on Need of Coastal Clean up and Water management to make our society plastic free and pollution free. Around 300 Students participated and benefited from the session.

Workshop & Training Program on "Advanced Biomaterials"



MAKERSPACE, Centre of Excellence for Additive Manufacturing, Sathyabama Centre for Advanced Studies, Sathyabama Institute of Science and Technology organized a **Five-day workshop & Training Program** on "Advanced Biomaterials" from 2nd to 6th September, 2024. Everyday program was scheduled with theory and practical sessions with a ratio of 30:70 respectively. The workshop featured 32 Participants including faculties, research scholars, and UG/PG students. The program culminated with a feedback session to advance the event.

Workshop on “Microbial Fermentation & Downstream Processing”



The Centre for Drug Discovery and Development has successfully organized a two-day workshop on “**Microbial Fermentation & Downstream Processing**” with a special focus on Lab Scale Fermentation, Flash Chromatography, LC-MS Operation and Applications during 25th & 26th September, 2024 at the Seminar Hall. It was an incredible experience filled with insightful lectures, hands-on training, and invaluable networking opportunities with the Experts from Prof. Mukesh Doble (Professor Rtd) Dept of Biotechnology, IIT Madras. Totally 26 participants from different institutes were attended this workshop.

UAV DROBOTICS Club



On September 19th, 2024, the Department of Computer Science and Engineering, through the UAV DROBOTICS Club, hosted a **drone orientation program** led by Mr. Ganesh Rajendran, Director of AIRobo. The event included an engaging presentation on the key components of drone systems—hardware, software, and communication technologies. A highlight was the demonstration of a humanoid robot, which showcased AI capabilities by interacting with the audience, responding to questions, and performing basic movements.

Awareness program on the theme “Feeding Smart Right from Start”



Centre for Drug Discovery and Development in association with Department of Biotechnology had organized an **awareness program** on the theme “Feeding Smart Right from Start” during the National Nutritional Week, on 4th September, 2024.

Mrs. R.Bhuvaneshwari, Senior Executive Dietitian & Senior certified Diabetes Educator, Dr. Mohan’s Diabetes Specialities Centre, Chennai and Dr. L. Inbathamizh Assistant Professor & Head, Department of Clinical Nutrition & Dietetics, Sathyabama Institute of Science and Technology, Chennai were the guest speakers for the programme. Around 120 UG & PG students and research scholars had Participated in this program.

Workshop on Confocal Microscopy Techniques



The Centre for Molecular and Nanomedical Sciences hosted a **three-day "High-end Intensive Workshop on Confocal Microscopy Techniques"** from September 4-6, 2024, inaugurated by Vice Chancellor Dr. T. Sasipraba. Dr. Prabal Kumar Chakraborty from Nikon India delivered a lecture on Nikon Confocal Microscopy and conducted a technical demonstration. Participants including industry professionals and students from various institutions, received hands-on training in immunofluorescence, live cell imaging, 3D Z-stack imaging, and other advanced techniques.

Indo-UK Expert Lecture Series-2 on "Genome Engineering for the Future"



The Centre for Drug Discovery and Development and the Department of Biotechnology organized the **Indo-UK Expert Lecture Series-2 on "Genome Engineering for the Future"**. Vice Chancellor Dr. T. Sasipraba welcomed Dr. Kalpana Surendranath, a prominent expert in genome engineering from the Wellcome Genome Campus in the UK. Approximately 150 students and staff attended, where Dr. Surendranath discussed genome engineering, including CRISPR/Cas9 case studies and the potential of gene editing to impact rare diseases and future biomedical research.

“Hands on Training on Molecular Identification of Shrimp EHP Disease Using Polymerase Chain Reaction (PCR)”



The Centre for Aquaculture hosted a **three-day training on "Molecular Identification of Shrimp EHP Disease Using PCR"** from September 4-6, 2024. Inaugurated by Vice Chancellor Dr. T. Sasipraba, the program addressed disease management challenges in sustainable aquaculture. Fifty BFSc students from CAS in Marine Biology, Annamalai University participated, gaining hands-on experience in DNA extraction from infected shrimp, PCR diagnosis of EHP diseases, and analysis documentation.

Internship on "Data Analytics using PowerBI"



The Department of Information Technology held an **Internship on "Data Analytics using PowerBI"** from September 4th–10th, 2024. Students from ECE and EEE departments were engaged in this 5-day internship program. Participants were provided with hands-on experience with real datasets, creating stunning visualizations and interactive dashboards that help drive strategic decisions. This internship offered a unique opportunity to enhance the student's skills in data visualization, report generation, and statistical analysis while contributing to real-world projects that drive strategic initiatives.

MOU signing



A team of alumni from 1991-95 batch visited our Institution to meet our Leadership, Faculty and students as part of celebrating Teachers' Day. A MOU was signed between Sathyabama Institute of Science and Technology and Autosys Control Systems on that day as **"Give Back" from our Alumni Mr. Anup Raj (1991-95 Batch B.E-ECE)** who is the Founder of Autosys. This MOU will help our students from the School of Electrical and Electronics by providing internships, jobs and Industrial visits. It was a nostalgic feeling to some of the alumni who visited our Institution after a very long time.

Alumni Talks



The **Alumni Association** hosted four talks featuring notable alumni from the 1991-95 batch. Ms. Leela Varadharaj (Oregon State University) discussed business ethics and AI, inspiring MBA students. Mr. Boopathy Rajendran covered the Hyperautomation framework, emphasizing resilience. Mr. Padmaprasad Munirathinam shared insights on career goals and market growth, while Mr. Balaji Sreenivasan highlighted the importance of employability skills. The sessions motivated students to engage more with their careers and future education.

Pre-Placement Talk



As part of our **Campus Recruitment Program**, **Tata Consultancy Services (TCS)** held a pre-placement talk featuring distinguished speakers: Mr. Srikumar Sreedharan (AI Office), Mr. Venkateswaran Raman (HR Head for AI and Cloud), and Mr. Vimal Raj (Campus Hiring Lead). They explored TCS's impact across industries and highlighted career opportunities for fresh graduates.

Guest lecture on "Global Environmental Issues and Remedial Measures"



In commemoration of **World Ozone Day 2024**, Centre for Waste Management, Centre of Excellence for Energy Research, in association with the Department of Chemical Engineering, Sathyabama Institute of Science and Technology organized a guest lecture on **"Global Environmental Issues and Remedial Measures"**. The event was inspiring and brought together experts, enthusiastic academicians, and industrial professionals to raise awareness about ozone layer protection and explore sustainable solutions by research activities.

Workshop on "Hydrothermal Reactor (HTL)"



Centre for Waste Management, Centre of Excellence for Energy Research and Department of Chemical Engineering, Sathyabama Institute of Science and Technology organized One day workshop on **"Hydrothermal Reactor (HTL), Gas Chromatography – Flame Ionization Detector and Thermal Conductivity**

Detector (GC- FID/TCD)" on 13th September, 2024. Participants were provided with insights on Principles , Operation and Production of bio-oil using Hydrothermal Liquefaction reactor and compositional analysis and data interpretation of biofuels using Gas Chromatography. It was an interactive session with the students as they were keen on understanding the compositional analysis of biofuels samples and its data interpretation.

“Global Bio-India Expo 2024”



Sathyabama Institute of Science and Technology, Chennai is very proud to represent at the annual event **“Global Bio-India Expo 2024”** at Pragati Maidan, New Delhi between September 12 – 14, 2024. The event was organized by the Biotechnology Industry Research Assistance Council (BIRAC), a Public Sector Undertaking under the Department of Biotechnology (DBT) - Ministry of Science and Technology, Government of India showcasing India’s Biotech growth and opportunities to the world. Dr. S. Prakash from Centre for Climate Change Studies and Dr. Johnson Retnaraj Samuel from Centre for Molecular and Nano Medical Sciences have represented Sathyabama at Global Bio-India 2024.

National Space Day 2024



Centre for Nanoscience and Nanotechnology & Centre of Excellence for Energy Research in association with Department of Electronics and Communication Engineering, Department of Mechanical Engineering, Department of Aeronautical Engineering, Department of Automobile Engineering and Department of Mechatronics Engineering, commemorated **National Space Day 2024** on 13th September, 2024. The event celebrated the completion of one year of the Chandrayaan 3 Mission and was based on the theme of **“Touching Lives while Touching the Moon”**.

Expert talk cum training program on “Basics of Flow Cytometry”



Centre for Molecular and Nanomedical Sciences, Cancer Biology lab, International Research Centre (IRC) has organized an **expert talk cum training program on 'Basics of Flow Cytometry'** jointly organised with Beckman Coulter Life sciences on 21st September, 2024. The training aimed to educate and give an experience in handling Flow cytometry analysis and its application in cytology. The Flow cytometry expert Dr. Nagarjuna T A, Senior Technical Advisor from Beckman Coulter Life Sciences had delivered a wonderful lecture followed by fruitful scientific discussion and given training on CytoFLEX Flow-cytometry in the cancer biology lab of our University. The Research Faculties, Research scholars, UG and PG students have participated in this event and experienced the flow cytometry analysis and its importance in research.

One-day training cum workshop



The Centre for Waste Management and Centre for Nanoscience and Nanotechnology organized a **one-day training cum workshop on "Compressive Strength of Novel, Conventional, and Reinforced Composites - Testing and Evaluation (CoNCRETE)"**. Participants from various Institutions have participated in the event.

Alumni talk



Ms. Girija Vasudevan, one of the Alumni (2014-2018) from Department of biotechnology, Working on Stem cell transplantation for Pediatric patients, Stanford School of Medicine as Manufacturing Scientists visited on 13.09.2024. Ms. Girija shared her experiences from her journey with students interested in higher studies to the various prestigious institutions in the USA. The session was very useful and interactive to know the Masters and employment opportunities.

International Guest Lecture



Ms. Margeaux Chandler , Regional Manager with Biotechnology background at The University of Queensland, Australia has delivered an **international guest lecture** on 14.09.2024 about the various possibilities and future scope of Biotechnology at the University of Queensland , Australia . Students from the Department of Biotechnology have participated and interacted to know study opportunities and scope for Biotechnology.

Indo-UK Expert Lecture



The Centre for Drug Discovery and Development and the Department of Biotechnology organized the Indo-UK Expert Lecture Series-3 on **"CRISPR Clinical Trials: Recent Advances and Current Status in Treating Human Diseases."** Distinguished speakers included Dr. John J. Murphy, Professor at the University of Westminster, and Dr. Kalpana Surendranath, Professor and Leader of the Genome Engineering Lab, both of whom are Visiting International Professors at Sathyabama Institute of Science and Technology. The event attracted 250 students from the Department of Biotechnology.

Indo-UK Expert Lecture Series-4 on "Genome Engineering for the Future"



The Centre for Drug Discovery and Development and the Department of Biomedical Engineering organized the **Indo-UK Expert Lecture Series-4** on **"Genome Engineering for the Future: CRISPR at the Crossroads of Student Experience and Research Impact"** coinciding with the inauguration of the Manipal University College Student Exchange Program.

Two-week International Internship Programme



19 Medical students from Manipal University College Malaysia, Malaysia have come to our Institution to participate in a **Two-week International Internship Programme** from 15th to 30th September 2024. They will attend **lecture sessions** and **hands-on training** sessions at the Department of Biomedical Engineering, the Centre for Drug Discovery and Development, and the Centre for Molecular and Nanomedical Sciences. Our honourable Chancellor, Dr. Mariazeena Johnson, met the students, interacted with them and wished them a successful and responsible career as medical professionals.

Brillianzza 2024



Brillianzza 2024 was an unforgettable **two-day event** on September 19-20, exclusively for first-year BE CSE students. Hosted by the Department of Computer Science and Engineering, it featured 16 events with over 1,000 participants, turning the New CSE Block into a vibrant hub of creativity and collaboration. With 125 winners, the event highlighted the remarkable potential of the new BE CSE batch and fostered camaraderie among students. Certificates and shields were presented by Vice President Ms. Maria Catherine Johnson to recognize their contributions and achievements.



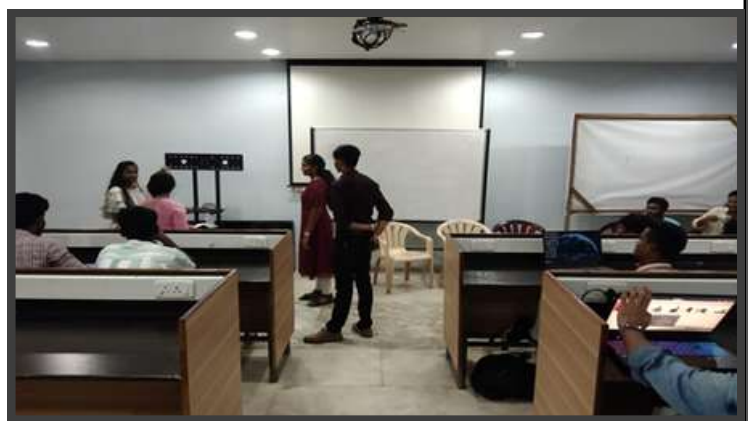
Chess Club organized a "Chess Trivia" event on August 2, 2024, engaging participants with a series of challenging chess-related questions and activities.



Dance Club's "Dance Mania" event on August 2, 2024, was a vibrant celebration of dance. Featuring a range of performances from various dance styles and engaging auditions, the event successfully captivated the audience and showcased the diverse talents of its members.



The **Illustration and Art Club's** Stamp Design Competition on August 6, 2024, celebrated Madras Day by incorporating the themes and colours of Madras into the designs. Participants created stamps that reflected the city's rich heritage and cultural vibrancy, with the competition showcasing a range of creative interpretations that honoured the essence of Madras.



AI Wizards Club hosted an AI Treasure Hunt, on 2nd August featuring a series of engaging and interactive events that challenged participants' knowledge and skills in artificial intelligence. The event was a success, fostering both competition and collaboration among attendees.



Fashion Club celebrated National Handloom Day on August 5-6, 2024, with a series of events highlighting the rich heritage and craftsmanship of handloom textiles. The two-day celebration included exhibitions, workshops, and discussions, showcasing the artistry and cultural significance of handwoven fabrics.



The **Robotics Club's "Wonderful Opportunistic Workshop"** on August 8, 2024, was a highly engaging event that focused on the latest advancements and opportunities in robotics. Participants explored new technologies and potential applications, enhancing their understanding and skills in the field of robotics through interactive sessions and hands-on activities.



The **EDC Cell's** Workshop on "**Pathway to Becoming an Entrepreneur,**" was held on August 8, 2024. It featured a presentation by CEO MV Robert, Workflow Automation. The session focused on the integration of workflow automation in entrepreneurial ventures, providing attendees with valuable insights into optimizing business processes and increasing operational efficiency through advanced automation tools.



On August 12, the **English Literary Club** organised a Quill and Quirk showdown which tested the students' writing and theatrical abilities. The students engaged in a strictly time-bound storywriting relay, following which they portrayed their theatrical skills by enacting the stories they wrote! The participants also took a pledge against Drug Abuse.



Financial Management and Economic Analysis Club on 4th September 2024 conducted an event Instant Advertisement which had 60 participants from different departments of the University. Creativity, critical thinking and marketing and finance were the core ideology of the event. The students came up with innovative advertisements and proposed ways to market their products.



Dr. J. Arumugam, Librarian at PSG College of Technology, Coimbatore, delivered a speech on 10 August 2024 on the topic "**Research Metrics, Publishing Ethics, and Predatory Journals,**" emphasizing the importance of ethical publishing practices and how to avoid predatory journals while evaluating research impact using reliable metrics organized by **NDLI Club**.



Arum C., a Data Engineer at Standard Chartered Bank, delivered a talk on "**Trends in Data Analytics**" on August 28, 2024, to the participants of **Data Science and Analytics Club** highlighting the latest advancements and emerging trends in the field of data analytics.



Book Club organized Bookish Brushstrokes on 9th September 2024. It was a creative event where students contested with each other in a Book Cover Art Illustration Competition. The boundless creativity of the participants were expressed through various forms of art.



Gaming Club's thrilling Call of Duty competition was held on 19th September 2024.

Students from diverse departments gathered to showcase their gaming prowess. The event was filled with intense battles and strategic gameplay, ultimately crowning the champion.



Design Club organized Tales of Tower on 19th September 2024. The participants enthusiastically designed different towers from newspapers. The event showcased the skills of the participants who came up with innovative designs. The best design were selected and appreciated.



Session on "Data Interpretation using Copilot" was conducted by the **Soft Skills Club** featuring the esteemed Mr. Saravanan Ganesan, an experienced Azure community developer on 30th September 2024.



The **Microsoft Club** conducted MCS S1 Skill League on 1st October 2024 which successfully highlighted the technical skills and potential of participants. The event not only fostered competition but also encouraged collaboration and learning among students



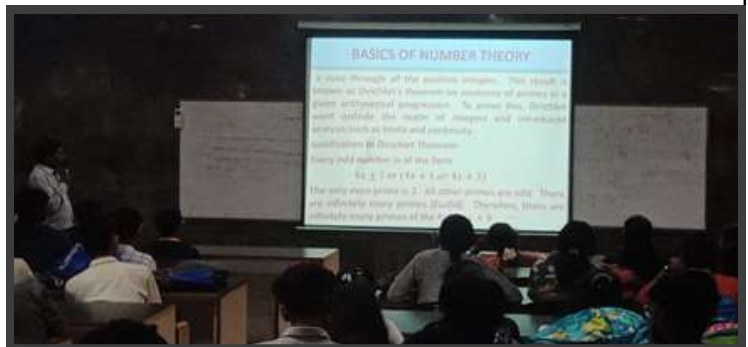
Music Club had their auditions Riff Rhapsody for new member inclusions on 22 October 2024. Many first years showcased their musical talents in instruments, and vocals.



Rotaract Club had their Teamphoria-12th installation Ceremony on 20th September 2024. The following students were given positions in the club. Rtn. Nalina Kanna President of Rotary Club of Madras Temple city Rtn. Vice president Sridharan Rotary Club of Madras Temple city Rtn. Gayatri Club Service Chair



Anti Human Trafficking Club conducted Squid Game Challenge on 26 September 2024. Two challenges comprised the event. A real time human board game challenge with anti human trafficking as its theme and an Anime quiz trivia based on AHT related series.



On October 7th, 2024, the **MATH CLUB** organized a workshop titled "Number Theory with Application to Cryptography" led by Dr. S. Jayasankar. The workshop explored how number theory, the study of integers and their properties, serves as a critical foundation for cryptography, which is central to securing digital communication.

ACCREDITATIONS & RANKINGS



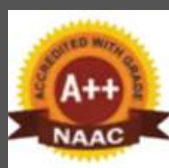
Ranked 51st position among Universities in India, 2024



Ranked 51st position 12B STATUS is conferred to our Institution by University Grants Commission (UGC) for its Academic and Research Excellence Universities in India, 2024



10 UG Engineering programmes and 1 PG (MBA) Programme is accredited by the National Board of Accreditation



Accredited with the highest grade of A++ with a score of 3.73 by National Accreditation and Assessment Council (NAAC)



Accreditation
Board for
Engineering and
Technology

Internationally Accredited by the Accreditation Board for Engineering and Technology (ABET) for B.E (Computer Science and Engineering), B.Tech (Biotechnology), B.E (Electrical and Electronics Engineering) Programmes.



Ranked in the 1201–1500 band in the Times Higher Education World University Rankings 2025



Ranked in the 401–500 band in the Times Higher Education Young University Rankings for the year 2024



Ranked in the 501–600 band in the Times Higher Education Asia University Rankings 2025

ACCREDITATIONS & RANKINGS



Sathyabama is ranked in the 601–800 band in the overall Times Higher Education Impact Rankings, 2024

With respect to SDGs individually following are the ranks secured by the institution in the Times Higher Education Impact Rankings, 2024



- Sathyabama is ranked in the 601–800 band in the Times Higher Education Subject Rankings, 2024 for Clinical and Health
- Sathyabama is ranked in the 801–1000 band in the Times Higher Education Subject Rankings, 2024 for Computer Science, Engineering, Life Sciences and Physical Sciences



- Sathyabama is ranked in the 1201–1400 position by the QS World University Rankings, 2025



- Sathyabama is positioned in the 373rd rank by the QS Asia University Rankings 2025



- The Institution has received a Five-Star rating from QS Stars



- Sathyabama is ranked in 706th position in the world in QS Sustainability Rankings, 2025.
- Ranked in 187th position in the QS Sustainability Rankings, 2025 among the universities in Asia.
- Ranked in 20th position in the QS Sustainability Rankings, 2025 among the universities in India

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