

**Keshav Memorial Institute of Commerce and Sciences**  
**Department of Life Sciences (Biotechnology, Microbiology, & Chemistry)**  
**Activities Report for the Academic Year 2024-25**

**Activity 1:** Faculty and Students Attended a two-day International Conference on Vedic Technology, titled: "ICON BHARAT" during 31<sup>st</sup> Aug 2024 to 1<sup>st</sup> Sept 2024

ICON Bharat is an international conference on Vedic Technology at T-HUB, Hyderabad, organized by Srimaharshi Research Institute of Vedic Technology, Guntur. The conference explored Vedic Sciences for discovery and development of Technologies in the various science fields, and further bridging ancient Vedic technology with modern sciences. Fifty Eight Life Science students have attended the two day (31st Aug, 1st Sept) conference. Faculty members who attended the conference were Ms. A. K. Lavanya, Ms. R.P. Urmila, and Dr. B. Kiran Kumar.



=====

**Activity 2:** Visit to Centre for Cellular & Molecular Biology (CCMB), Hyderabad, India, on 26 Sept 2024

CCMB organizes an open day on 26<sup>th</sup> sept of every year, on which day, they invite the students and scholars to visit the institute to learn about their research works, and also the facilities and scientific equipment. CCMB is one of the premiere research institutes of India and possesses advanced scientific equipment, like electron microscope, confocal microscope, advanced DNA sequencing machines, which are not normally available to everyone. Students have got the opportunity to learn about such equipment, experimental models, methods of conducting experiments and also advances in science. Students also had the opportunity to interact with two of the KMICS alumni, Mr. Dhruva Reddy, and Mr. Srinivasan, who are currently working as research scholars at CCMB, who informed about the opportunities at CCMB.



=====

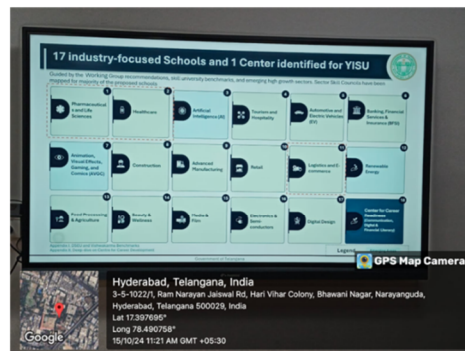
**Activity 3:** Visit to India Lab Expo 2024 on 28 September, 2024 at Hitex Convention Center, Hyderabad

Thirty students from 2<sup>nd</sup> and 3<sup>rd</sup> year, were taken to India Lab Expo 2024 on 28 September, 2024. India Lab Expo is an exhibition of laboratory equipment by various commercial providers from India and other foreign countries. Various advanced and latest lab and industry equipment were displayed at the exhibition. Students had a great opportunity to learn about the latest types of equipment in scientific research and the kind of industrial equipment used in Pharma companies.



=====  
**Activity 4:** Orientation program on ‘Pharma Placement program’ by the Young India Skills University on 15<sup>th</sup> October 2024

Young India Skills University (YISU), Hyderabad offers Pharma Placement Program by providing specialized training experience at industry-leading companies like Biological E. Limited and Dr. Reddy’s Laboratories, and offers placement assistance for students in pharmaceutical and life sciences fields. Ms. Richa, and Ms. Swapna, from YISU have visited KMICS, detailed to the students about their program, and selected 15 students for their program



=====  
**Activity 5:** Initiation of M.Sc. Biotechnology Course on 23<sup>rd</sup> Oct 2024

In this academic year, that is 2024-25, M.Sc. Biotechnology was introduced for the first time at KMICS. A Total of 39 students have been admitted to the program. Among them 36 were allotted by the University, and 3 of them joined under management quota. Students were given a warm welcome by the Principal and staff, with their motivational lectures.



=====

**Activity 6: PG Induction Day program on 26 Nov 2024**

The PG Induction Day, marking the beginning of an academic journey for new postgraduate students, was conducted on 26 Nov 2024. The program was presided by Dr. A.V. Subrahmanyam, Secretary, KMES, Dr. Nageswara Rao, Director, KMES, Mrs. V. Santhi, Principal, KMICS, Mrs. Shrvanthi, Head, PG program, and the external guest speaker, Prof. S. Prashant from Department of Biotechnology, Osmania University. The program addressed on professional ethics, time management, interdisciplinary learning, and career planning.



=====

**Activity 7:** Students and faculty members have attended National Seminar Organized by Department of Genetics and Biotechnology, Osmania University on 09 December 2024

The Department of Genetics and Biotechnology, Osmania University, has organized National Seminar on "Changing Horizons in Genetics & Biotechnology" (CHGB) on December 9, 2024. Thirty MSc Biotechnology students from our college, attended the seminar. The seminar focused on cutting-edge advancements in life sciences such as CRISPR, and AI-driven genomics, nanotechnology, and their applications in medicine and agriculture . Distinguished scientists, including Professor Shyam S. Mahapatra and Professor Shubra Mohapatra (Dr. Kiran Kumar, who previously worked with the two two scientists is along with them in the below photo) from the University of South Florida, USA, delivered insightful keynote addresses. The seminar also featured oral and poster presentations.



=====

**Activity 8:** Interaction with KMICS Alumni who are currently at Rutgers University on 18 Jan 2025

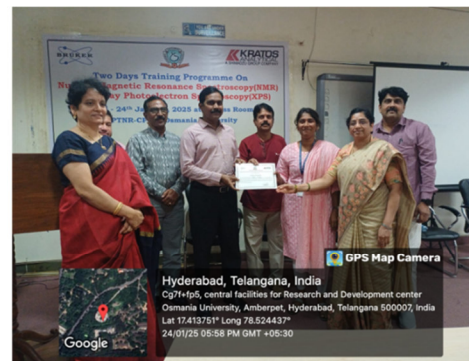
Students had the opportunity to interact with two of the KMICS alumni, Mr. Sohail, and Ms. Akhila, currently pursuing MSc at Rutgers University. The alumni have shared their experiences, provided insights into higher education abroad, and provided guidance to students in preparing for postgraduate studies abroad.



=====

**Activity 9:** Faculty & Students attended Workshop on “Nuclear Magnetic Resonance Spectroscopy & X-ray Photoelectron Spectroscopy (XPS)” held at CFRD,OU, during 23 Jan 2025 to 24 Jan 2025

One Faculty member, Ms. Nikitha and 6 students from B.Sc. final year (Revanth, Vaishnavi, Preeti, M. varshini, Deepika, Akash) have attended the two-day training program. Magnetic Resonance Spectroscopy & x-ray photoelectron spectroscopy are high-end equipment, present at the OU research centre, and are very important equipment in pharma companies. Students have experienced the working principles, usage, and applications by attending this workshop.



=====

**Activity 10:** National Science Day celebrations on 28 February 2025

This Year, ‘National Science Day’ was conducted under the theme “Environmental Sustainability through Innovations of Science and Technology”, with title “Eco-Innov Sci-Tech-2025” as a collaboration of all the science departments of KMICS. The event was conducted at Sardar Patel Auditorium. The event was presided by Dr. A.V.Subrahmanyam, Secretary, KMES, Mrs. V. Santhi, Principal, KMICS, and the external resource persons were two Scientists, Dr. M. Vishnuvardhan Rao, Chair, ICMR-NIN, and Dr. G. Bhanu Prakash Reddy, Senior Deputy Director, NIN. A total of 300 students have attended the event. The event was extended by Posters & Exhibits presentation by BSc students. The resource persons have greatly appreciated the students’ efforts. The exhibits and lab equipments were also displayed for Keshav Memorial School students, who have shown a great enthusiasm in learning.



=====

**Activity 11: Visit to Vigyan Vaibhav on 01 March 2025**

On March 1, 2025, B.Sc. physical and life science students were taken to ‘Vigyan Vaibhav’, a prestigious science and defence expo held at Gachibowli Stadium, Hyderabad. The event, organized by DRDO, showcased cutting-edge military technology, including missiles, tanks, and radars, offering students a rare opportunity to witness India's advancements in defence and aerospace. Engaging with scientists and industry experts, students gained valuable insights into avionics, radar systems, and missile technology, broadening their understanding of real-world applications. The visit inspired many to explore careers in defence research and innovation, making it a truly memorable experience.



=====  
**Activity 12:** Visit to Rashtrapati Nilayam on March 22, 2024

Rashtrapati Nilayam in Hyderabad was formally opened to the public on March 22, 2024. MSc Biotechnology and BSc Life Science students were taken to Rashtrapati Nilayam. Students had the opportunity to learn about the age old practices of irrigation, conventional methods of water conservation, Medicinal plants & Butterfly garden maintained in their campus and their art Gallery. Students had a great experience on cultural heritage. Students have also had the opportunity to participate in the debate competition on “Water for Peace” for which they have received appreciation certificates.

