

# **IQAC NEWSLETTER**

ST. JOSEPH'S COLLEGE OF PHARMACY

Tharmaniri Collage Campus, Charthala, 688, 524, Kerala, India.

[Accredited by NAAC & KUHS Quality Assurance System]

Aiming for Excellence

Vol. 3 July 2025 Issue 2



### AN HONOUR THAT REAFFIRMS OUR COMMITMENT TO SUSTAINABILITY

St. Joseph's College of Pharmacy has been certified as a GREEN INSTITUTION with A+ grade by the Govt. of Kerala under the Haritha Keralam Mission



## Message from the Director



St. Joseph's College of Pharmacy, Cherthala, established in 2004, has grown over the years into an institution of academic excellence. Pharmacy, as a profession requires

quality, competence, commitment, compassion, and our College strives to instill these values in every student.

My appreciation and best wishes go to the dedicated IQAC team as they continue their journey of quality enhancement. May their efforts lead the institution to greater heights of excellence in the years ahead. May this edition of INSIGHT serve as a source of inspiration to all.

Warm regards,

Dr. Sr. Betty Carla (Founder- Principal & Director)

## From the Principal's Desk



I am delighted to pen a message for the July 2025 issue of INSIGHT, the IQAC newsletter.

A major highlight of this issue is the recognition of our institution as

a Green Institution with an A+ grade by the Haritha Keralam Mission, Govt. of Kerala, affirming our commitment to sustainability and responsibility. This milestone environmental stands as a testament to the vision of our management, the dedication of our faculty. students, and the unwavering support of our stakeholders. While celebrating our achievements, we remain committed to making St. Joseph's College of Pharmacy, a leader in quality Pharmaceutical education.

Warm wishes,

Dr. Sr. Daisy PA (IQAC Chairperson)

Principal

## **IQAC** Coordinator Speaks

INTERNAL QUALITY ASSURANCE CELL

Aiming for Excellence



The July 2025 edition of INSIGHT, the official newsletter of the Internal Quality Assurance Cell of St. Joseph's College of Pharmacy, Cherthala, has been released as a distinguished reflection of our collective progress and future aspirations.

We are delighted to announce that our institution has been recognized as a "Green Institution" with A+ grade by the Haritha Keralam Mission, Government of Kerala. This prestigious recognition reflects our unwavering commitment to sustainability and environmental responsibility, values that are deeply embedded in our institutional ethos.

Through collaborative effort, we will continue to achieve remarkable progress, ensuring that St. Joseph's College of Pharmacy sustains its preeminence in academics.

These achievements are the result of the tireless efforts of our management, faculty, students, and other stakeholders.

As always, INSIGHT remains a platform to showcase our best practices, share our achievements, and reflect the collective aspirations of our academic community.

We extend our sincere gratitude to all our stakeholders for their invaluable support and contribution to the growth and success of our institution.

Best regards,

Dr. Boby Johns G (IQAC Coordinator)

Professor & Head- Dept. of Pharmaceutics





### **Green Institution**

St. Joseph's College of Pharmacy has received a significant recognition, being certified as a "Green Institution" in May,2025 by the Haritha Keralam Mission, an initiative of the Government of Kerala. This certification highlights our commitment to environmental sustainability and ecofriendly practices. It signifies that the institution has successfully implemented various green protocols and initiatives within its campus. The Haritha Keralam Mission assesses institutions based on criteria such as waste management, water conservation, energy efficiency, and promotion of greenery. This achievement not only enhances the college's reputation but also sets a benchmark for other educational institutions in the region. The certification reflects a dedicated effort by the management, staff, and students towards fostering a more sustainable and environmentally conscious campus. Ultimately, this recognition by the Haritha Keralam Mission validates St. Joseph's College of Pharmacy as a leader in promoting environmental responsibility within the educational sector.



Presenting the Haritha Keralam Mission Certificate by the Municipal Councillor Ms. Sheeja Santhosh



Sanjoe Meadows- Grand in Green





## Pharma Excel Bioclin - 2025 International Symposium

An international symposium titled "Pharma Excel Bioclin-2025" was held on April 4, 2025, with the theme Innovating Biopharmaceutics and Clinical Pharmacy for better Patient Care at the College auditorium, organized by the IQAC in collaboration with the Departments of Pharmaceutics and Pharmacy Practice. The symposium was inaugurated by Dr. Rajasree RS, Dean, Faculty of Pharmaceutical Sciences, Kerala University of Health Sciences.

Dr. Thirumurthy Velpandian, Professor and Head, Dept. of Ophthalmic Pharmacology, AIIMS, New Delhi and Visiting Professor, Harvard University, delivered the first ever *Sr. Joanna MSJ Oration lecture* on *Functional Decoding of Smart Ports for the Ocular Pharmacotherapy*.

The scientific sessions included lectures by eminent professionals such as Dr. Mohamed Hisham, Lead Clinical Pharmacist, Cleveland Clinic, Abu Dhabi (*The role of clinical pharmacists in critical care*) and Ms. Soni Pious, Walgreens, Florida, (*Hospital and community pharmacy practice - an American perspective*) and Dr. V. Sankar, Vice Principal, PSG College of Pharmacy, Coimbatore, (*Dosage form development based on biopharmaceutical approaches*).

The event featured interactive sessions that facilitated scholarly exchange among participants. Eminent speakers shared cutting-edge research findings, innovative therapeutic strategies, and best practices in biopharmaceutics and clinical pharmacy. The symposium also provided a platform for young researchers to present their work through oral and poster sessions, encouraging academic excellence and critical thinking.



The International symposium Pharma Excel-Bioclin-2025





## World Environment Day - 2025









"Nest & Nourish"- Bird feeding station making competition

On June 5, 2024, in commemoration of World Environment Day, the College organized a creative and eco-conscious event entitled "Nest & Nourish"—a bird feeding station making competition. The initiative aimed to foster environmental stewardship, promote biodiversity, and encourage students to contribute actively to nature conservation. Participants were tasked with designing and constructing functional bird feeding stations using sustainable, recycled, or biodegradable materials. This approach not only highlighted the importance of supporting avian species but also underscored the role of innovative thinking in addressing ecological challenges.

The competition witnessed enthusiastic participation from students across various levels, showcasing remarkable craftsmanship and aesthetic appeal while ensuring the structures met practical requirements for feeding and sheltering birds. The entries reflected a blend of creativity and environmental awareness. The event concluded with the evaluation of designs based on criteria such as sustainability, functionality, durability, and visual presentation. By engaging students in a hands-on, nature-centered activity, "Nest & Nourish" served as a reminder of our collective responsibility to protect and nurture the natural world, aligning with the overarching theme of World Environment Day—restoring and preserving ecosystems for a sustainable future. The programme also reinforced the institution's commitment to integrating ecological consciousness into its academic and co-curricular activities. Such initiatives not only enrich student learning but also strengthen our role in fostering socially responsible and environmentally sensitive professionals for the future.





# Young Innovators Programme (YiP - 7.0)



Several of our students actively participated in the Young Innovators Programme (YiP-7.0) by submitting their innovative ideas, showcasing research and innovative skills. We are pleased to share that some of their proposals have been selected for the second round of evaluation, reflecting their dedication, originality, and commitment to excellence. This achievement is a reward to their hard work, collaborative spirit, and ability to apply theoretical knowledge to practical challenges. Such accomplishments not only enhance the academic reputation of our institution but also inspire their peers to engage in research and innovation. Congratulations to our talented students for this commendable success and best wishes for their continued progress in the upcoming stages of the competition.





## B. Pharm 2025 Batch Toppers



# Industrial Placements - B. Pharm (2025)



Ms. Sandra Jomon
Dr. Reddy's Laboratories,
Hyderabad
Quality Assurance Division



Mr. Nainunus

Dr. Reddy's Laboratories,

Hyderabad

IPQC Division



Mr. Alif S
Dr. Reddy's Laboratories,
Hyderabad
IPQC Division



Mr. Akash Suresh
Microlabs, Bangalore
Production Dept., Eve drops







## World Blood Donor Day - 2025





**World Blood Donor Day** 

World Blood Donor Day was observed on 13 June 2025 at the college with great enthusiasm and a strong sense of social responsibility. The event was aimed to create awareness about the importance of voluntary blood donation and to honour the invaluable contributions of blood donors in saving lives. As part of the celebration, a special session was delivered by Dr. P.K. Sree Kumar, Retired Deputy Drugs Controller, Kerala, on the topic "Gift of Life: Celebrating Our Blood Donors." In his address, Dr. Sree Kumar emphasized the life-saving impact of timely blood transfusions, the need for regular voluntary donors, and the ethical, medical, and humanitarian dimensions of blood donation. He also highlighted the safety measures, eligibility criteria, and advancements in transfusion medicine, encouraging students to take an active role in promoting this noble cause. The session inspired the audience to recognise blood donation as a moral duty and a gesture of compassion that transcends social and cultural boundaries. Faculty members, students, and staff participated actively, making the event both informative and impactful. The celebration concluded with a pledge by attendees to support and advocate for voluntary blood donation, thereby contributing to the health and well-being of the community. The programme also featured an interactive question-and-answer session, enabling participants to clarify their doubts about blood donation procedures and health precautions. Informative posters and pamphlets were distributed to further spread awareness among the student community. Several students expressed their willingness to register as voluntary donors and encouraged their peers to do the same. Overall, the event served as a meaningful reminder of the collective responsibility in safeguarding lives through the simple yet profound act of donating blood. The programme was jointly organized by the IQAC and NSS of St. Joseph's college of Pharmacy.

The programme also instilled in students a strong sense of civic duty and empathy towards those in need. By combining academic knowledge with humanitarian values, the college successfully bridged the gap between education and social responsibility. Such initiatives create a culture of compassion, service, and solidarity within the institution.





## Faculty Development Programme - July 2025

The Internal Quality Assurance Cell of St. Joseph's College of Pharmacy organized a 5 day Faculty Development Programme (FDP) from 14th to 18th July 2025 on the theme "Smart Classrooms, Smarter Future: NEP and Digital Education in India." The programme aimed to equip faculty members with modern pedagogical tools, advanced technological skills, and innovative teaching strategies in alignment with the National Education Policy (NEP). It brought together eminent resource persons from diverse academic disciplines to share their expertise on digital education, Al applications, data analysis, and research-oriented teaching practices. The sessions combined conceptual understanding with practical demonstrations, enabling participants to integrate the knowledge into their professional roles effectively. This initiative reflected the institution's commitment to fostering academic excellence, continuous professional development, and innovation in higher education.

### Report on the Faculty Development Programme

Title: Smart Classrooms, Smarter Future: NEP and Digital Education in India

Duration: 14th-18th July 2025

Venue: Prof. M.L. Shroff Hall [BF-4], St. Joseph's College of Pharmacy

Organized by: Internal Quality Assurance Cell (IQAC), St. Joseph's College of Pharmacy

The Internal Quality Assurance Cell of St. Joseph's College of Pharmacy successfully organized a five-day Faculty Development Programme (FDP) from 14th to 18th July 2025 on the theme "Smart Classrooms, Smarter Future: NEP and Digital Education in India." The objective of the FDP was to enhance faculty competence in digital pedagogy, integrate innovative teaching-learning methodologies in line with the National Education Policy (NEP), and promote the effective use of technology in higher education.

The programme was inaugurated by Dr. Sr. Daisy P.A., Principal, who stressed the importance of adopting advanced educational tools to improve student learning outcomes and prepare for the future of digital education. Dr. Vinod B., Head of the Department of Pharmaceutical Chemistry, extended a warm welcome to the gathering, outlining the vision and significance of the programme.

### Day 1 - 14 July 2025

The opening technical session was led by Mr. Vinod Chandran, Associate Professor & Head, Department of Computer Sciences & Applications, Nappunnya College of Management, Cherthala. His session focused on *Digital Edge: Emerging Trends in MS Office and Research Applications for Academic Excellence*. Participants were introduced to advanced features of Microsoft Office, tools for data organization, and applications that support academic research, enhancing their efficiency in scholarly work.

### Day 2 - 15 July 2025

Sr. Barakala Pushpa, Professor & Head, PG Department of Chemistry & Research Center, St. Joseph's College for Women, Alappuzha, delivered a detailed session on *OBE* – *Teaching, Learning and Evaluation Process*, explaining strategies for implementing Outcome-





## Faculty Development Programme - July 2025

Based Education. The discussions included aligning course outcomes with programme objectives and integrating assessment tools for continuous improvement.

### Day 3 - 16 July 2025

Dr. Akash Marathakam, Professor & Head, Department of Pharmaceutical Chemistry, Sree Gokulam SNGM College of Pharmacy, Thuravoor, presented *Redefining Classrooms: The Role of Advanced AI in Educational Transformation*. The session explored the integration of Artificial Intelligence into teaching practices, discussing AI-based assessment tools, adaptive learning platforms, and their potential to transform classroom dynamics.

### Day 4 - 17 July 2025

The day began with a session by Mr. Vipin Xavier, focusing on *Data Analysis Using Electronic Medical Records (EMR)*. He demonstrated how EMR data can be used for research, quality assurance, and evidence-based decision-making in healthcare and pharmacy education. The practical segment allowed participants to engage in hands-on analysis.

### Day 5 - 18 July 2025

Dr. Boby Johns G, Professor & Head, Department of Pharmaceutics, St. Joseph's College of Pharmacy, led the final session titled *Unlocking AI – A Fresh Look at the Basics*. The presentation simplified AI concepts, providing participants with a clear understanding of how to incorporate AI-driven tools into curriculum delivery and research. The FDP concluded with a valedictory function and certificate distribution ceremony, where participants expressed positive feedback on the relevance and applicability of the sessions.

The 5 day FDP fostered an enriching environment for academic exchange, professional growth, and hands-on learning. Faculty members gained practical insights into emerging digital technologies, pedagogical innovations, and the NEP framework, reinforcing the institution's commitment to continuous faculty development and excellence in teaching.





Faculty Development Programme-July 2025





# Faculty Development Programme -July 2025









**Faculty Development Programme- July 2025** 





## International Yoga Day - 2025

On June 20, 2025, National Service Scheme (NSS) unit in association with the Internal Quality Assurance Cell (IQAC) and the Student Support Guidance Programme (SSGP), organized a yoga practice session in observance of the 11th International Yoga Day. The event, themed "Yoga for One Earth, One Health", was conducted at the Prof. M. L. Schroff Hall, B Block, and featured Adv. Sabu R, Yoga Master from the Centre for Yoga & Meditation, Trivandrum, as the resource person. The session emphasized the holistic benefits of yoga, promoting physical wellness, mental balance, and spiritual harmony. Participants engaged in guided yoga practices under expert instruction, fostering a sense of unity and well-being in line with the day's global message—stretch together, heal together, rise together.





**International Yoga Day-2025** 





### **Blood donation drive**

The college NSS unit on 30 June, 2025 organised a blood donation drive in association with the Blood Centre, TD Medical College, Alappuzha to promote voluntary, safe, and regular blood donation. The programme began with a brief orientation by the visiting medical team on the public health importance of blood availability and the eligibility criteria for donors. Predonation screening, including medical history review and basic vital assessments, was conducted to ensure donor safety and adherence to current transfusion guidelines. Students, teaching and non-teaching staff participated enthusiastically, exemplifying a strong sense of social commitment and community engagement. The donation process was carried out under strict aseptic conditions, and post-donation counselling and observation were provided to all donors, with guidance on hydration and rest. Faculty coordinators and student volunteers supported registration, crowd management, and awareness activities, which helped streamline the workflow and minimise waiting times. The event not only contributed to meeting clinical demand for blood but also sensitised the campus community to the lifesaving value of voluntary donation. Building on this momentum, the college plans to strengthen its voluntary donor network and schedule periodic drives in collaboration with accredited blood centres to sustain a reliable supply for patients in need.







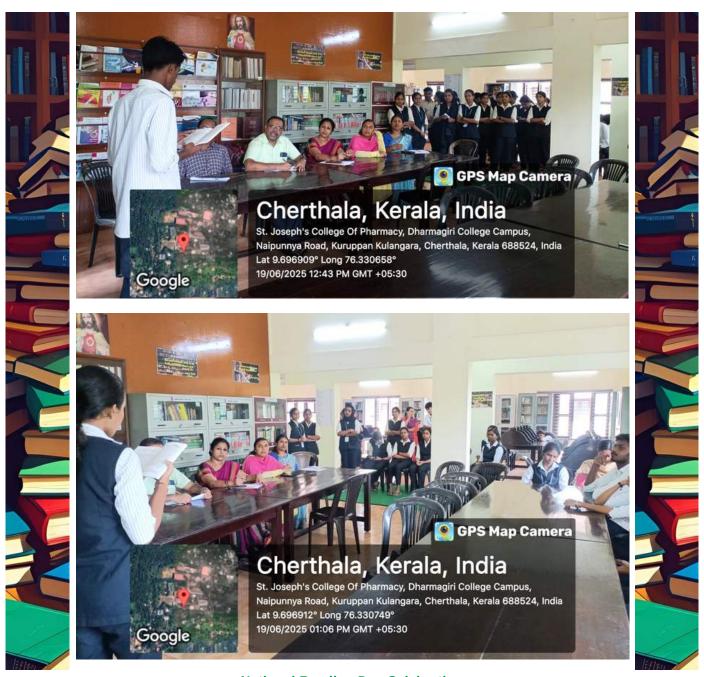


**Blood donation drive** 





## National Reading day - 2025



**National Reading Day Celebration** 

On June 19, 2025, St. Joseph's College of Pharmacy, Cherthala, through its Student Support Guidance Programme (SSGP), in collaboration with the NSS and IQAC, observed National Reading Day in honour of P. N. Panicker, the father of the library movement in Kerala. The event, held in the College library, featured a Book Reading Competition and a Book Review Competition, aimed at fostering a culture of reading and critical thinking among students. The programme underscored the significance of Panicker's vision, encapsulated in his motto "Read and Grow", and inspired participants to embrace reading as a lifelong habit for personal and professional enrichment.





## One Day In - House Workshop in Clinical Pharmacy



Approved by Pharmacy Council of India, Govt. of Kerala, Affiliated to Kerala University of Health Sciences Accredited by NAAC & KUHS Quality Assurance Sytem

On 20 June 2025, St. Joseph's College of Pharmacy, Cherthala, organized a one-day inhouse workshop titled "Expanding Role of Clinical Pharmacist in Critical Care. The event was coordinated by the Department of Pharmacy Practice and aimed to enhance knowledge and skills related to the role of clinical pharmacists in critical care settings. Three distinguished resource persons led the sessions: Dr. Akash Das, Critical Care Clinical Pharmacist at Specialist Hospital, Coimbatore; Dr. Harita, Clinical Pharmacist in the Liver Transplant Division at AIMS Kochi; and Dr. Akash Jose, Assistant Professor at St. Joseph's College of Pharmacy. The workshop covered advanced topics relevant to critical care pharmacy practice, including patient safety, multidisciplinary collaboration, and clinical decision-making in intensive care units. Interactive discussions and case-based learning were incorporated to provide participants with practical exposure to real-world critical care challenges.

Overall, the workshop successfully enriched participants' understanding of the evolving responsibilities of clinical pharmacists in managing critically ill patients.





## Internal Quality Assurance Cell and its Significance

#### Role of IQAC

The primary responsibility of the Internal Quality Assurance Cell (IQAC) is to initiate, plan, and oversee a wide range of activities that are essential for enhancing the quality of education delivered in an institution or college. It functions as a catalyst for ensuring that academic and administrative processes align with the highest standards of quality and excellence.

### Objectives of IQAC

The objectives of the IQAC are to establish a system of conscious, consistent, and catalytic measures aimed at improving both academic and administrative performance within the institution. It further strives to promote strategies that enhance institutional functioning through the internalization of a quality culture and the institutionalization of best practices.

### Responsibilities of IQAC

The responsibilities of the IQAC encompass a broad range of academic and administrative areas. These include ensuring timely, efficient, and progressive execution of academic, administrative, and financial tasks, while also upholding the relevance and quality of academic and research programmes. It works towards equitable access to and affordability of academic programmes for all sections of society and facilitates the integration of modern methods of teaching and learning. IQAC is also entrusted with maintaining credibility in evaluation processes, ensuring the adequacy and proper allocation of support structures and services, and promoting the dissemination of research findings through networking with other institutions in India and abroad.

#### **Functions of IQAC**

The IQAC performs a variety of functions designed to sustain and enhance institutional quality. These include the development and application of benchmarks for academic and administrative activities, as well as fostering a learner-centric environment conducive to quality education. It facilitates faculty development for the adoption of modern knowledge and technology, and implements structured feedback systems involving students, parents, and stakeholders to strengthen institutional processes. Furthermore, it disseminates information on quality parameters in higher education, organizes interand intra-institutional seminars, workshops, and quality circles, and systematically documents all initiatives that contribute to quality improvement. Acting as a nodal agency, the IQAC coordinates quality-related activities across the institution, supports the development of a Management Information System (MIS) for maintaining an institutional database, and nurtures a culture of quality. A key responsibility is the preparation and timely submission of the Annual Quality Assurance Report (AQAR) to NAAC in accordance with prescribed guidelines.

### **Benefits of IQAC**

The establishment of IQAC contributes significantly to the overall growth of the institution. It ensures greater clarity and focus in institutional operations geared towards quality enhancement, while fostering the internalization of a quality-oriented culture. By coordinating and streamlining various institutional activities, the IQAC institutionalizes best practices and creates a foundation for evidence-based decision-making. It functions as a dynamic mechanism for driving quality-related changes in higher education institutions and establishes a systematic approach to documentation and internal communication.







## Internal Quality Assurance Cell 2025 Members

Name	Designation / Role
Dr. Sr. Daisy P.A.	Chairperson-Principal, St. Joseph's College of Pharmacy, Cherthala
Dr. Sr. Betty Carla	Management Representative-Director, St. Joseph's College of Pharmacy, Cherthala
Dr. Boby Johns G	IQAC Coordinator, Professor & HOD, Dept. of Pharmaceutics
Dr. Vinod B	Professor & HOD, Dept. of Pharmaceutical Chemistry
Dr. Thahimon P.A.	Professor & HOD, Dept. of Pharmacology
Dr. Praveen RajR	Professor, Dept. of Pharmaceutics
Dr. Jeny Samuel	Professor, Dept. of Pharmacy Practice
Dr. Kavitha Vasudevan	Professor & HOD, Dept. of Pharmacognosy
Ms. Neena Rajan	Assoc, Professor, Dept. of Pharmaceutical Chemistry
Mr. Shanoj V.V.	Member - Senior Administrative Officer
Ms. Fasna Nargees	Student Member
Ms. Neha Joshi	Alumni Member
Adv. Jackson Mathew	Member of Local Society - Councilor, Cherthala Municipality
Sr. Divya MSJ	Employer Member - Chairperson of the Trust &Provincial Superior, Nirmala Provinc
Mr. Mathew Kokad	Industry Expert - Managing Director, Kokad Pharmaceuticals Ltd., Pala

## Legacia- 2025 (Arts Festival)





Legacia- 2025

Legacia-2025, the annual arts festival organized by Seventh Semester B. Pharm, Fourth Year Pharm.D, and the Yuva College Union, was held with great enthusiasm on July 18 and 19, 2025, at the College auditorium. The two-day cultural extravaganza served as a vibrant platform for students to showcase their talents in music, dance, drama, literature, and various fine arts. The event featured a diverse range of competitions and performances, fostering creativity, artistic expression, and healthy camaraderie among participants. The auditorium resonated with energy, color, and youthful spirit as students came together to celebrate cultural diversity and artistic excellence. Legacia-2025 not only highlighted the institution's commitment to promote extracurricular engagement, but also strengthened the bonds within the college community through a shared celebration of talent and culture.



## Sneha Spandanam [സ്പേഹസ്പന്ദനം]





Sneha Spandanam at Sanjoe Sadan, Thuravur, Kerala

The NSS Unit in collaboration with the Kerala Pharmacy Graduates' Association (KPGA), organized a charity programme titled "Sneha Spandanam" at Sanjoe Sadan Special School for children with intellectual disabilities in Thuravur, Kerala.

The initiative was aimed to provide both material support and emotional encouragement to the Children. Essential supplies, educational aids, and recreational materials were distributed, fostering an atmosphere of care, inclusivity, and social well-being. Faculty members and NSS coordinators, in their addresses, highlighted the significance of empathy, inclusivity, and sustained community involvement. Caregivers expressed deep appreciation for the initiative, noting its positive emotional impact on the children.

The programme was led by eminent personalities including Dr. PK Sreekumar (President, KPGA), Dr. Kala D (Principal, Sree Gokulam SNGM College of Pharmacy, Thuravur), Dr. Boby Johns G, Dr. Akash Marathakam, Dr. Jeny Samuel, and Ms. Devika Rajan, among others, whose leadership ensured the success of the event.

Cultural performances were carried out by Pharm.D students. The organizers reaffirmed their commitment to conduct similar outreach activities in the future, thereby ensuring long-term support and inclusivity for such communities.





## **Graduation Ceremony - 2025**









**Graduation Ceremony** 

The Graduation Ceremony for the 2025 batches of B.Pharm, M.Pharm, and Pharm.D programmes was held on Friday, 25 July 2025, at the Dr. Joseph C Panjikkaran Hall (CF-1). The solemn occasion marked the formal culmination of the academic journey of students and their transition into professional life.

The ceremony was graced by Prof. (Dr.) Gopakumar S, Registrar, Kerala University of Health Sciences (KUHS), who served as the Chief Guest. In his convocation address, he underscored the importance of ethical practice, innovation, and lifelong learning in the pharmacy profession.

Distinguished guests included Dr. Sr. Betty Carla (Director, SJCP), Dr. Sr. Daisy PA (Principal, SJCP), Dr. Praveen Raj R (Professor, SJCP, KUHS Senate Member & KSPC Exec. Member), Dr. Kala D (Principal, Sree Gokulam SNGM College of Pharmacy, Thuravur), and Adv. Jackson Mathew (Municipal Councillor), among others, who lent prestige to the event.

The proceedings featured an academic procession, invocation, welcome address, and the formal conferment of degrees, witnessed by faculty members, families, and peers. Outstanding graduates were honoured for academic excellence, research engagement, co-curricular achievements, and community service.

The graduating students, with renewed confidence, took a pledge to uphold the values of service, integrity, and professional excellence. The event drew to a close with the National Anthem.



## **Departmental Seminar on Optimization Techniques**

The Department of Pharmaceutics, organised a seminar on "Optimizing Pharmaceutical Formulation Development by Designing of Experiment (DoE) – A Practical Approach" on 17 July 2025. The resource person, Mr. Shijith KV, Assistant Professor, College of Pharmaceutical Sciences, Government Medical College, Kannur, delivered a structured, practice-oriented session that linked DoE principles to contemporary formulation challenges. He introduced the Quality-by-Design framework and positioned DoE as a systematic method for understanding critical material attributes and process parameters. Core experimental paradigms—screening designs, full and fractional factorials, and response-surface methods like central composite and Box–Behnken designs were explained with emphasis on interaction effects, model building, ANOVA, and diagnostic checks for validity. The session demonstrated multi-response optimisation using desirability functions and discussed design-space justification and regulatory expectations for data-driven development. The seminar reinforced good experimental practice, encouraged reproducible documentation, and highlighted pathways to incorporate DoE into research projects especially for PG students.



### **Editorial Board**

Chairperson: Dr. Sr. Daisy PA
Chief Editor: Dr. Boby Johns G

**Editors** 

Dr. Jeny Samuel, Dr. Kavitha Vasudevan, Ms. Neena Vijay, Ms. Reshma Omanakuttan, Ms. Fasna Nargees, Mr. Akhil Krishna