



DEPARTMENT OF CHEMISTRY

Report Submission: 07/07/2026

Semester:	EVEN	Academic Year:	2025–26	Venue :	Room No. AI025F03, 5 th Floor, AIGS block-01
Event Date:	22/06/2026	Time:	11:30AM To 12 :30PM	Duration:	01:00hr

TYPE OF EVENT: ALUMNI TALK

EVENT NAME: AI – Assisted VIP based topical Nano-ointment for
Diabetic Wound Healing and Prevention of Gangrene

Target Audience:	M.Sc. Chemistry Students	Number of Participants:	25
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Objectives:

1. To strengthen the bond between alumni, students, and the institute.
2. Aims to bridge the gap between academics and real-world applications
3. To inspire and guide current students about potential career opportunities and research pathways

Program Introduction:

Alumni talks bridge the gap between students and industry by sharing real-world experiences, career guidance, and emerging industry insights. They inspire students, foster meaningful networking opportunities, and help them make informed decisions about their academic and professional futures.

Theme of the Event:

Career opportunities and research initiatives equip students with practical experience, industry exposure, and essential skills for future success. They foster innovation, strengthen professional networks, and empower students to make informed career decisions with confidence.

Resource Person(s): Ms. Chaithra T.P, Ph.D. Scholar, Department of Chemistry,
Dayanand Sagar University Devarakaggalahalli, Kanakapura road,
Bengaluru



Detailed Report:

On 22 June 2026, from 11:30 a.m. to 12:30 p.m., the Department of Chemistry, AIGS, organised an alumni talk titled “AI-Assisted VIP-Based Topical Nano-Ointment for Diabetic Wound Healing and Prevention of Gangrene” in Room No. AI025F03-LR, 5th Floor, AIGS Block-I. The programme was attended by 25 M.Sc. Chemistry students from the 2nd and 4th semesters, providing valuable exposure to emerging research and career opportunities in Chemistry. The session started at 11:30 am with a welcome and introduce the resource persons to the present students. The speaker, Ms. Chaithra T. P., Ph.D. Scholar, Department of Chemistry, Dayananda Sagar University, Bengaluru, shared her academic journey, research experiences, and insights into career planning. She encouraged students to identify their strengths and interests while highlighting the importance of continuous learning, adaptability, networking, mentorship, internships, and active participation in research for professional growth.

Ms. Chaitra T.P presented her research on an AI-assisted VIP-based topical nano-ointment designed for diabetic wound healing and the prevention of gangrene. She explained that diabetes mellitus, characterised by persistent hyperglycaemia, often leads to delayed wound healing due to impaired cellular regeneration. Her work demonstrates the therapeutic role of Vasoactive Intestinal Peptide (VIP) in promoting keratinocyte migration, fibroblast proliferation, and collagen deposition. She further described how nano-ointment technology enhances skin penetration, enables controlled drug release, protects VIP from degradation, and ensures targeted drug delivery. The integration of Artificial Intelligence optimises nano-carrier composition, particle size, drug-loading efficiency, and release kinetics, significantly improving formulation performance.

The programme concluded with an interactive question-and-answer session, where students discussed research trends, higher education, career prospects, and employment opportunities. The event ended with a vote of thanks, presentation of a token of appreciation, and a group photograph. The programme was successfully coordinated by Dr. Anandakumar B. S. with the support of Dr. Gurunath Rao Vaidya, Principal, AIGS, Dr. Sumathi R., and the faculty members of the Department of Chemistry. AIGS.



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Geotagged Photographs: (With Captions)



Dr. Sumathi.R introducing Alumni to the Gathering



Alumni address the gathering



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Interaction between Alumni and students





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Group photo with Alumni

Outcomes:

1. Students connected with alumni and peers, fostering professional relationships that could lead to mentorship, collaboration, or job opportunities.
2. Alumni shared their career and research experiences, providing students with valuable insights into different career paths and research trends.
3. The event strengthened the sense of community among current students and alumni, promoting pride in shared experiences and institutional affiliation.

. Conclusion and Audience Feedback Summary:

1. The alumni talk was highly informative and inspiring.
2. Students gained insights into professional skills and research strategies.
3. Participants expressed satisfaction with the event, appreciating the practical knowledge shared on career and research pathways.

Finally, Alumni interact with students and discussed recent research trends, higher education, career prospects, and employment opportunities. Alumni talk was successfully executed and student given an excellent feedback.



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ALUMNI TALK:Feedback
No.of Students : 25

