



**H.K.E. Society's**  
**Sir. M. Visvesvaraya College of Engineering**  
(Affiliated to VTU - Belagavi, Approved by AICTE - New Delhi, Accredited by NAAC)  
Yeramarus Camp, Raichur - 584135



## Report on Student Induction Program (SIP)-II 2025–2026

### Introduction

The Student Induction Programme (SIP) Phase–II for the Academic Year 2025–26 was conducted by H.K.E. Society's Sir M. Visvesvaraya College of Engineering at the beginning of the even semester, following the successful completion of SIP Phase–I during the odd semester. As per the guidelines of Visvesvaraya Technological University (VTU), the programme was organized from 24 February 2026 to 28 February 2026 during the afternoon sessions of the first week of the semester. The programme aimed to continue the orientation process and help students adapt to the academic environment, institutional culture, and overall development activities of the institution.

### Program Schedule

SL. NO	DATE	Session	Session Coordinators
		2:00 pm to 4:00 pm	
1	24/02/26	Bridge course on Applied Physics by Dr. Gurunath K. B.	Dr. Gurunath K. B. Asst Prof & HoD Dept of PHY
2	25/02/26	Sports activities by Mr. Danappa P	Mr. Danappa P Physical Director
3	26/02/26	Bridge course on Applied Chemistry by Prof. Shwetha	Prof. Shwetha Asst Prof, Dept of CHE
4	27/02/26	Bridge course on Applied Mathematics -II by Prof. Saroja Shetty	Prof. Saroja Shetty Asst Prof Dept of MATH
5	28/02/26	Bridge course on Applied Mathematics - II by Prof. Manjula (9:00 AM-1:00 PM)	Prof. Manjula P Asst Prof & HoD Dept of MATH
6	28/02/26	Cultural Activities by Prof. Geeta B.	Prof. Priyanka Patil Asst Prof, Dept of CV

## Session-wise Report

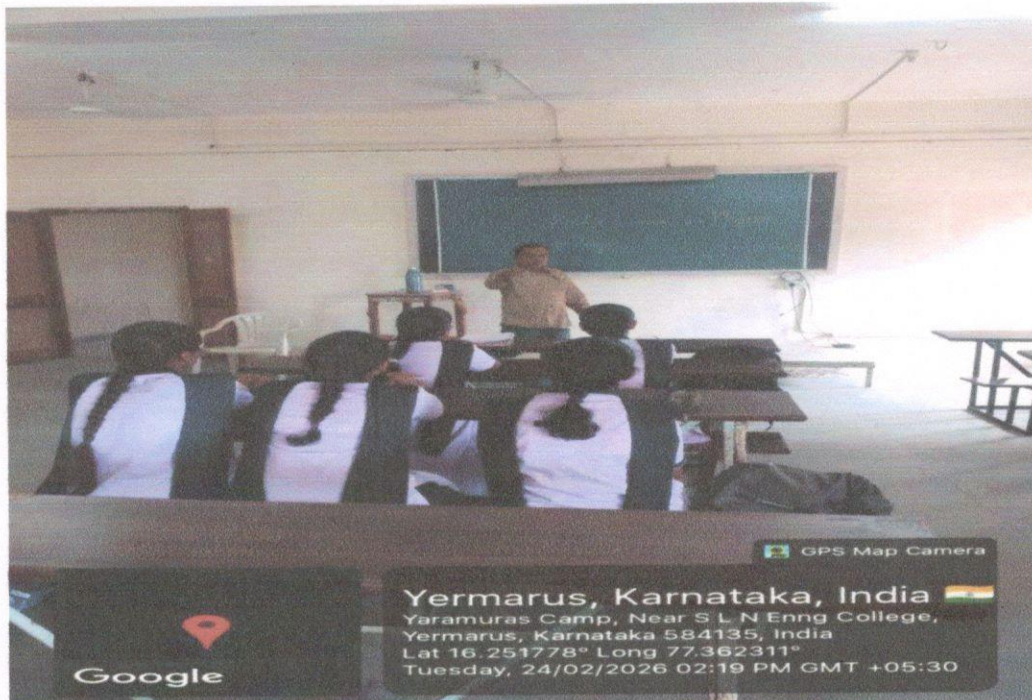
### Session-1

On 24 February 2026, H.K.E. Society's Sir M. Visvesvaraya College of Engineering, Raichur commenced the Student Induction Program (SIP) – Phase II for the 2nd semester students of the academic year 2025–26.

As part of the program, a Physics Bridge Course session was conducted by Dr. Gurunath K. B. During the session, he explained the importance of physics fundamentals and their practical applications in various engineering disciplines. He highlighted how the principles of mechanics, thermodynamics, and electromagnetism are directly applied in fields such as Mechanical Engineering, Civil Engineering, Electronics & Communication Engineering, and Computer Science Engineering.

Dr. Gurunath encouraged students to view physics not merely as a theoretical subject but as an essential tool for analytical thinking and problem-solving in engineering. The session helped students understand the relevance of physics concepts in their academic studies and future professional careers.

The program was informative and beneficial for the students, helping them strengthen their foundational knowledge and better prepare for their engineering coursework



Dr. Gurunath K. B addressed the students

## Session-2

On 25 February 2026, the Department of Physical Education (Sports & Games) at H.K.E.S.'s S.M. Visvesvaraya College of Engineering, Raichur organized Sports & Games activities as part of the Student Induction Program (SIP) – Phase II for II Semester students, in accordance with the VTU guidelines for the academic year 2025–26.

As part of the program, various indoor and outdoor sports activities were organized for both boys and girls to encourage physical fitness, teamwork, and active participation among students. During the session, the rules and regulations followed by the VTU Sports & Games Academy were explained to the students.

The students were also given a brief orientation about the sports and games activities conducted by the VTU Sports & Games Academy, including the opportunities available for participation in intercollegiate and university-level competitions. The session aimed to motivate students to actively take part in sports activities along with their academic pursuits.

The program was interactive and helped students understand the importance of sports, discipline, and a healthy lifestyle in their overall development.



Prof. H R Diwate and Mr. Danappa Pasodi addressed the students

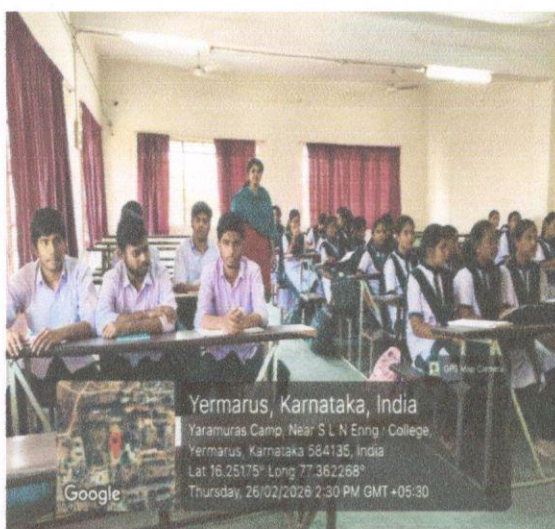
### Session-3

On 26 February 2026, the Department of Chemistry at H.K.E. Society's Sir M. Visvesvaraya College of Engineering, Raichur conducted a session as part of the Student Induction Program (SIP) – Phase II for first-year II semester students of the academic year 2025–26.

During the session, Prof. Shwetha highlighted the importance of chemistry in modern engineering disciplines, emphasizing its applications in areas such as materials science, environmental sustainability, and technological development. Students were encouraged to understand the role of chemistry in supporting innovation across different branches of engineering.

A significant part of the program was dedicated to laboratory safety and the importance of practical experimentation. Students were guided on the safe handling of chemical reagents, laboratory apparatus, and sophisticated equipment, ensuring that they develop responsible and precise laboratory practices.

The session was interactive, allowing students to express their expectations and clarify their queries regarding the subject and laboratory work. Overall, the program helped create awareness about the relevance of chemistry in engineering education and laid a strong foundation for the students' academic journey in the 2025–26 academic year.



Prof. Shwetha addressed the students

#### Session-4

On 27 February 2026, the Department of Mathematics at H.K.E. Society's Sir M. Visvesvaraya College of Engineering, Raichur conducted a session as part of the Student Induction Program (SIP) – Phase II for first-year II semester students of the academic year 2025–26.

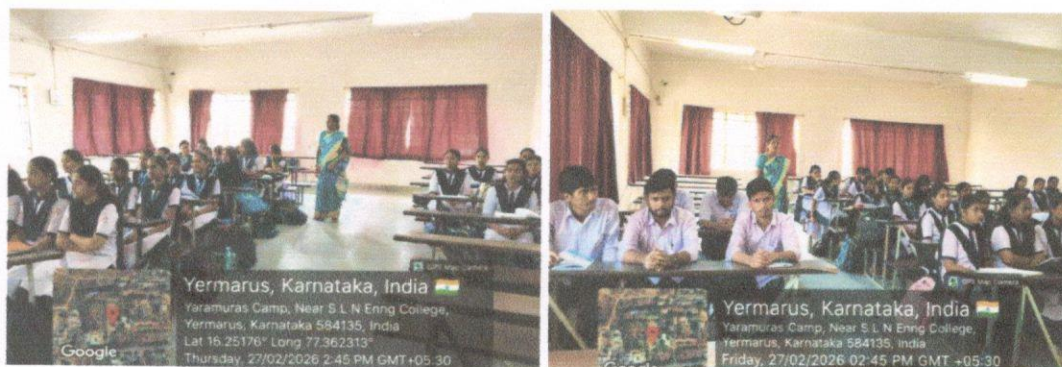
During the session, Prof. Saroja Shetty conducted a Bridge Course on Differential Equations aimed at strengthening the mathematical foundation of the students. The objective of the program was to help students understand the importance of mathematics in engineering education and its role in solving real-world engineering problems. The session also emphasized how mathematics serves as an extension of the academic curriculum and supports analytical and logical thinking.

As part of the bridge course, several key concepts related to Differential Equations were introduced and explained to the students. The topics covered during the session included:

Differential Equations

- 1.1 Formation of differential equations of first order
- 1.2 Differential equations reducible to linear form
- 1.3 Exact differential equations
- 1.4 Integrating factor
- 1.5 Differential equations of the first order but not of the first degree
- 1.6 Initial value problems

The session was informative and helped students gain a clearer understanding of the fundamental concepts of differential equations, which will support their learning in advanced mathematics and engineering subjects.



Prof. Saroja Shetty addressed the students

### Session-5

On 28 February 2026, the Department of Mathematics at H.K.E. Society's Sir M. Visvesvaraya College of Engineering, Raichur conducted a session as part of the Student Induction Program (SIP) – Phase II for first-year II semester students of the academic year 2025–26.

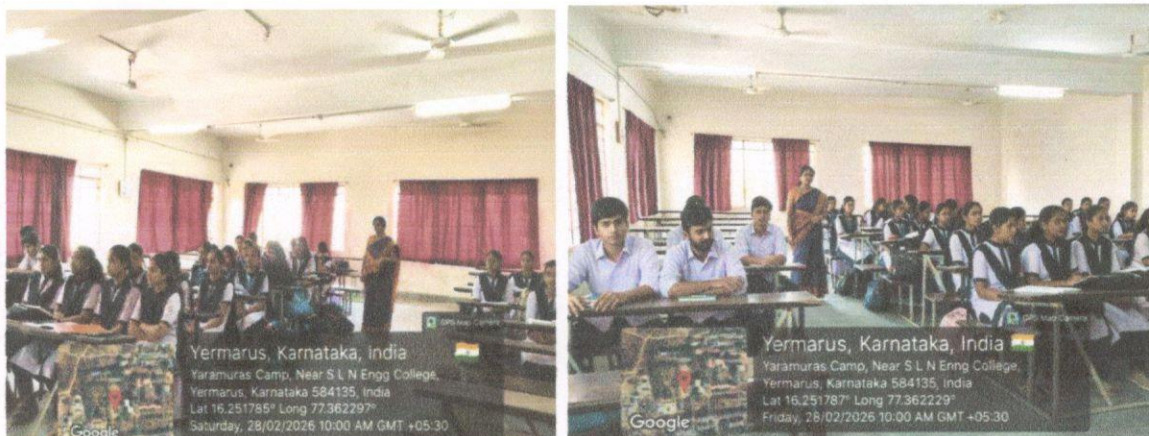
During the session, Prof. Manjula conducted a Bridge Course on Matrices and Determinants aimed at strengthening the mathematical foundation of the students. The objective of the program was to help students understand the importance of mathematics in engineering education and its role in solving real-world engineering problems. The session also emphasized how mathematics serves as an extension of the academic curriculum and supports analytical and logical thinking.

As part of the bridge course, several key concepts related to Matrices and Determinants were introduced and explained to the students. The topics covered during the session included:

#### ***Matrices and Determinants***

- 1.1 Types of Matrices
- 1.2 Operations on Matrices
- 1.3 Determinants and Cofactors
- 1.4 Inverse of a Square Matrix
- 1.5 Rank of a Matrix
- 1.6 Elementary Row/Column Operations
- 1.7 System of Linear Equations

The session was informative and interactive, helping students gain a clearer understanding of the fundamental concepts of matrices and determinants, which will support their learning in advanced mathematics and various engineering applications.



Prof. Manjula addressed the students

### Session-6

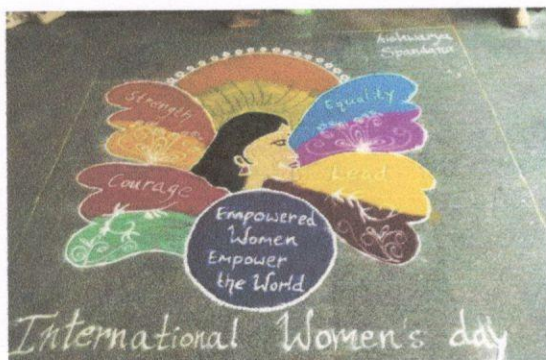
On 28 February 2026, the Cultural Committee of H.K.E. Society's Sir M. Visvesvaraya College of Engineering, Raichur organized various activities as part of the Student Induction Program (SIP) – Phase II for first-year II semester students of the academic year 2025–26. The activities included Creative Arts and Culture, Mentoring, and Universal Human Values (UHV).

The session was conducted by Prof. Geetha B., Chairperson of the Cultural Committee, along with Prof. Priyanka Patil, Member of the Cultural Committee. During the session, the importance of culture in the development of a nation was highlighted. It was explained that culture represents a set of shared attitudes, values, goals, and practices that influence social, economic, and creative activities in society.

Students were also introduced to the richness and diversity of Indian culture, which includes a vast collection of songs, music, dance, theatre, folk traditions, performing arts, rituals, paintings, and literature, collectively recognized as the Intangible Cultural Heritage (ICH) of humanity.

To encourage creativity and participation, students actively took part in various fun games and cultural activities. A Rangoli competition was organized with the upcoming theme of Women's Day, where students enthusiastically showcased their artistic skills. The session concluded with an engaging and enjoyable musical chairs game, creating a lively and interactive environment for the students.

Overall, the program successfully encouraged creativity, cultural awareness, and student interaction, making the session both informative and enjoyable.



Students presenting their Rangoli designs.

  
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