



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA (Co-Ed.)

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REPORT ON VISIT TO CSIR-CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY (CSIR-CCMB), HYDERABAD

9/28/26, 4:43 PM
Welcome to Rediffmail NG: Inbox
rediff MAIL
Mailbox of snvpmv_2006@rediffmail.com

Subject: Fw: Fwd: CCMB Open Day
From: Neelima Kudumula <neelima_kudumula@yahoo.com> on Mon, 28 Sep 2026 16:09:36
To: vanitapharmacycolleg sarojininaidu <snvpmv_2006@rediffmail.com>

Yahoo Mail: Search, organise, conquer

----- Forwarded message -----
From: "Dr T. Venu" <tallavenu@gmail.com>
To: "neelima_kudumula@yahoo.com" <neelima_kudumula@yahoo.com>
Cc:
Sent: Thu, 24 Sept 2026 at 3:25 pm
Subject: Fwd: CCMB Open Day

----- Forwarded message -----
From: Dr T. Venu <tallavenu@gmail.com>
Date: Mon, Sep 21, 2026 at 3:07 PM
Subject: Fwd: CCMB Open Day
To: Sareeta Madam <principal@snvpharmacycollege.com>, SAROJINI NAIDU VANITA PHARMACY COLLEGE <snvpmv_2006@rediffmail.com>

----- Forwarded message -----
From: Sravya Nagam <nagamsravya@gmail.com>
Date: Mon, Sep 21, 2026 at 2:13 PM.
Subject: Fwd: CCMB Open Day
To: Dr T. Venu <tallavenu@gmail.com>

----- Forwarded message -----
From: B V <bvrk@csirccmb.org>
Date: Tue, 15 Sept, 2026, 1:10 pm
Subject: CCMB Open Day
To: <70311430@gmail.com>, <apadidhala@gmail.com>, SVV Vijayender <vijayendersvv@gmail.com>, Devi Prasanna <deviprasannabujji@gmail.com>, <anupriyababbili@gmail.com>, Shashh Nekuri <shashh.nekuri02@gmail.com>, <wame2040@gmail.com>, vadde tejaswi <vadde541@gmail.com>, <s16823787@gmail.com>, Vaishnavi dony <vaishnavidony01@gmail.com>, Microbiology by Santosh Napte <microbiosantosh2005@gmail.com>, Retaj Nigar <retajnigar8@gmail.com>, aparna pavan <aparvan2729@gmail.com>, <exam.vibha@gmail.com>, <manasaavibha@gmail.com>, Sadhwika Suma <sadhwicka.suma@gmail.com>, Minhaaj Mansoor <minhaajmansoorhussain@gmail.com>, D. Siddhartha <dsiddhartha029@gmail.com>, <arrollachandrashekarreddy@gmail.com>, <omsing9905965@gmail.com>, <drsiva.acad@gmail.com>, <drshobhaediga@gmail.com>, Madhumita Panda <madhumita.panda@gmail.com>, <deptofzoologymdc@gmail.com>, <aravindrachala.ra@gmail.com>, St Georges <stgeorges83@gmail.com>, <nagavaniv@adc.edu.in>, Supriya Reddy Gamidi <gamidisupriyareddy@gmail.com>, Abdul Amair <abdulamair108@gmail.com>, <nagamsravya@gmail.com>, <vkSurender@gmail.com>

Dear Principal / Headmaster,

This is with reference to the Open Day scheduled for 26 September 2026.

To ensure the Open Day runs smoothly and on time, each school has been allotted a specific time slot. We kindly request all Principals / Headmasters to strictly adhere to their allotted time slot.

Your school's allotted time slot is: 1:30 PM to 2:30 PM.

Inward No: 490
Date: 28/09/2026
S.N.V Pharmacy
Maha Vidyalaya Co-Ed.

Proceed to visit
Alam

Forwarded to
VP

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Date of Visit: 26th September 2026 (Saturday)

Place of Visit: CSIR–Centre for Cellular and Molecular Biology (CSIR–CCMB), Hyderabad, Telangana

Occasion: 85th Anniversary Open Day Celebration of CSIR–CCMB

Faculty Members Visited:

1. **Dr. S. Hemalatha**, Professor & HOD, Department of Pharmaceutical Chemistry
2. **Dr. Anuradha Bai**, Professor & HOD, Department of Pharmaceutical Quality Assurance
3. **Dr. M. Swetha**, Associate Professor & HOD, Department of Regulatory Affairs
4. **Ms. Krishnaveni**, Assistant Professor, Department of Pharmacognosy

Students Visited: B. Pharmacy 7th semester students (37 Students)

1. Introduction:

As part of the 85th Anniversary celebrations of the Council of Scientific and Industrial Research (CSIR), the Centre for Cellular and Molecular Biology (CCMB), Hyderabad, organized an Open Day on 26th September 2026. On this occasion, the management and faculty members of Sarojini Naidu Vanita Pharmacy Mahavidyalaya organized an educational visit for B. Pharmacy final-year students to expose them to advanced scientific research, modern laboratory facilities, and recent developments in biological and biomedical sciences.

The visit aimed to familiarise pharmacy students with the applications of molecular biology, genetics, biotechnology, microscopy, proteomics, and analytical techniques in pharmaceutical and biomedical research.

During the visit, students explored various interactive stalls from E1 to E15, research laboratories, scientific demonstrations, poster presentations, and educational activities. The scientists and research scholars explained the principles, applications, and significance of various scientific techniques and research models.

The visit gave students an excellent opportunity to understand how fundamental biological research contributes to disease diagnosis, drug discovery, therapeutic development, and healthcare advancements.

2. Objectives of the Visit:

The major objectives of the visit were:

- To understand the role and research activities of CSIR–CCMB in cellular and molecular biology.
- To gain exposure to advanced research laboratories and scientific instruments.



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- To understand the applications of genetics, DNA sequencing, mutations, and molecular biology in healthcare.
- To learn about experimental models such as zebrafish and Drosophila in biomedical research.
- To explore the applications of microscopy, chromatography, HPLC, and proteomics in pharmaceutical research.
- To understand current research developments in cancer, neurological disorders, and infectious diseases.
- To encourage scientific curiosity, research aptitude, and interdisciplinary learning among pharmacy students.

3. Overview of CSIR–CCMB Open Day:

The CSIR–Centre for Cellular and Molecular Biology, Hyderabad, is a prominent research institution engaged in advanced research in cellular biology, molecular biology, genetics, and related life sciences. The Open Day was organized as part of CSIR's 85th Anniversary celebrations to give students and visitors an opportunity to explore scientific research and interact with scientists and research scholars. The event featured several educational and interactive stalls numbered E1 to E15, along with laboratory visits, scientific demonstrations, poster presentations, and recreational learning activities. Each stall focused on a particular area of scientific research and explained its underlying principles, methodologies, and applications through demonstrations, models, specimens, and discussions. The visit offered pharmacy students valuable exposure to the practical applications of biological sciences and modern research technologies relevant to pharmaceutical and clinical research.

4. Major Activities and Scientific Demonstrations Observed During the Visit:

During the visit, students explored various educational stalls, research laboratories, and scientific demonstrations. The major activities and observations are summarized below.

4.1 Zebrafish Research and Developmental Biology:

One of the interesting demonstrations during the Open Day was the zebrafish research stall.

The scientists and research scholars explained why zebrafish are an important experimental model in biological and biomedical research.

Students saw live zebrafish and their embryos and learned about their developmental stages and research applications.

The demonstration helped students understand how zebrafish are used to study biological processes, embryonic development, genetic mechanisms, and disease-related research.

The activity helped students understand the significance of experimental animal models in biomedical research and their potential applications in drug screening and toxicity studies.



4.2 Study of Animal Brains and Neuroscience:

Another important demonstration involved observing brain specimens from different animals, including goats, rats, and rabbits.

The scientists and research scholars explained the brain's basic structural features and highlighted differences between the specimens.

Students gained an opportunity to observe the anatomical structures of animal brains and understand their relevance to neuroscience and experimental research.

The demonstration provided valuable exposure to nervous system research and the use of animal models in neurological and biomedical investigations.

4.3 Cancer Research and Breast Cancer Diagnosis:

Several stalls focused on cancer biology, cancer research, and modern diagnostic approaches.

Students were introduced to research instruments and techniques used to study cancer and understand disease mechanisms.

Special emphasis was given to breast cancer diagnosis and the importance of scientific investigations in detecting and understanding cancer.

The demonstrations helped students appreciate the role of modern research technologies in cancer detection, disease characterization, and the development of improved diagnostic and therapeutic approaches.

The activity was particularly relevant to pharmacy students in understanding the scientific basis of cancer pharmacotherapy and the importance of oncology research.

4.4 Microscopy and Advanced Imaging Techniques:

Students were introduced to different types of microscopes used in biological and biomedical research.

The demonstrations explained the basic principles, functioning, and applications of various microscopy techniques.

Students learned how microscopes visualize cells, tissues, chromosomes, and other biological structures that cannot be seen clearly with the naked eye.

The activity helped students understand the importance of microscopy in cellular biology, disease diagnosis, research investigations, and pharmaceutical sciences.

4.5 Drosophila Research Laboratory:

The students also visited the Drosophila laboratory, where experiments are conducted using the fruit fly (*Drosophila melanogaster*) as a research model.



The scientists explained the importance of fruit flies in genetic and biological research and their applications in studying genes, mutations, inheritance, and various biological processes.

The visit provided insight into how model organisms help researchers understand genetic mechanisms and investigate biological phenomena relevant to human health and disease.

It was an informative experience that highlighted the importance of experimental models in modern scientific research.

4.6 Proteomics Laboratory:

Students were given a glimpse of the proteomics laboratory, where they were introduced to the study of proteins and their functions.

The laboratory visit provided an opportunity to understand how proteins are investigated to study biological processes and disease mechanisms.

The importance of protein analysis in biomedical research and its potential applications in disease investigation and pharmaceutical research was explained.

The exposure to the proteomics laboratory helped students appreciate the importance of protein-level investigations in understanding cellular functions and developing scientific knowledge related to diseases.

4.7 Chromatography and High-Performance Liquid Chromatography (HPLC):

The Open Day also included demonstrations related to chromatography and its various techniques.

Students were introduced to the principles and applications of different chromatographic techniques, including High-Performance Liquid Chromatography (HPLC).

The demonstrations explained how chromatography separates, identifies, and analyzes different components in a mixture.

The activity highlighted applications of these techniques in pharmaceutical analysis, drug research, and laboratory investigations.

This activity was particularly relevant to pharmacy students, as chromatography and HPLC are widely used in pharmaceutical quality control, drug analysis, formulation development, and research.

4.8 DNA, Sanger Sequencing, Genes, and Mutations:

Several stalls focused on molecular biology, DNA, genetic variations, and sequencing techniques.

Students were introduced to the principles of Sanger sequencing and its importance in determining DNA sequence.



Scientists explained the role of genes and mutations in producing variation among individuals and their possible effects on biological functions in humans and animals.

The demonstrations also highlighted the importance of genetic variations in understanding inherited characteristics and disease-related mechanisms.

Students viewed chromosomes under a microscope, gaining a practical understanding of chromosome structure and the organization of genetic material.

The activity helped students understand the importance of molecular genetics in disease diagnosis, genetic research, and the development of personalized healthcare approaches.

4.9 Scientific Poster Presentations:

The Open Day featured several scientific poster presentations covering different areas of biological and biomedical research.

Students viewed posters on cancer, fungal diseases, and other scientific investigations.

The posters presented research findings, experimental approaches, and scientific information in a clear, visual format.

The activity helped students understand how scientific research is communicated and how research findings are presented to academic and scientific audiences.

It also encouraged students to develop an interest in research methodology, scientific literature, and academic presentations.

4.10 Interactive Games and Educational Activities:

In addition to the scientific demonstrations, approximately five to six stalls organized interactive games and educational activities for students.

These activities provided an enjoyable and engaging learning experience and encouraged active participation.

The combination of scientific information, demonstrations, and recreational activities made the Open Day informative and entertaining.

The interactive approach helped students engage with scientific concepts in an interesting and memorable manner.

5. Laboratory Visits and Research Facilities Observed:

During the visit, students received brief exposure to selected research laboratories at CSIR–CCMB.

The laboratory visits offered a glimpse into the working environment of scientists and research scholars and helped students understand how scientific investigations are conducted.

The major facilities and research areas observed included:



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1. *Drosophila* Laboratory: Demonstration of fruit flies as experimental models for genetic and biological research.
2. Proteomics Laboratory: Introduction to protein-based research and investigations into biological processes.
3. Microscopy Facilities: Exposure to different types of microscopes used for observing biological structures and conducting scientific investigations.
4. Cancer Research Facilities: Introduction to research approaches and instruments used in cancer biology and diagnostic investigations.
5. Molecular Biology Research Areas: Exposure to DNA, genes, mutations, genetic variations, and sequencing-related research.

The laboratory visits provided students with a valuable opportunity to observe the research environment and understand the practical aspects of scientific investigations.

6. Relevance to Pharmaceutical and Clinical Research:

The visit to CSIR–CCMB was particularly beneficial from a pharmacy education perspective, as several activities were directly or indirectly related to pharmaceutical sciences and clinical research.

The major areas of relevance to pharmacy students included:

1. Drug Discovery and Development: Understanding the role of experimental models, including zebrafish and *Drosophila*, in biomedical and drug-related research.
2. Pharmaceutical Analysis: Learning about chromatography and HPLC and their applications in drug analysis and quality control.
3. Molecular Pharmacology: Understanding genes, mutations, and molecular mechanisms that contribute to disease development.
4. Cancer Pharmacotherapy: Gaining exposure to cancer research and breast cancer diagnostic approaches.
5. Pharmacogenetics and Personalized Medicine: Understanding how genetic variations may influence biological functions and disease-related characteristics.
6. Clinical and Biomedical Research: Observing the importance of laboratory investigations, microscopy, proteomics, and molecular biology in advancing healthcare research.
7. Research Methodology: Learning about scientific poster presentations, experimental models, and the role of research laboratories in generating scientific evidence.

The visit helped students connect their theoretical pharmacy knowledge with practical applications in biomedical research, pharmaceutical analysis, and disease investigation.



7. Important Observations During the Visit:

Based on the demonstrations and activities observed during the Open Day, the following points were particularly noteworthy:

- The event featured numerous scientific stalls from E1 to E15, each focusing on different areas of biological and biomedical research.
- The use of zebrafish and *Drosophila* as experimental models highlighted the importance of model organisms in scientific investigations.
- The demonstration of animal brain specimens provided practical exposure to neuroscience and the study of biological structures.
- The microscopy demonstrations helped students understand the visualization of cells, tissues, and chromosomes.
- The cancer research and breast cancer diagnostic demonstrations highlighted the role of scientific research in disease detection and understanding.
- The molecular biology stalls provided exposure to DNA sequencing, genes, mutations, and genetic variations.
- The chromatography and HPLC demonstrations highlighted the practical applications of analytical techniques in pharmaceutical sciences.
- The laboratory visits provided a brief but valuable glimpse into the research environment and working facilities at CSIR–CCMB.
- The poster presentations and interactive games made the visit both educational and engaging.

8. Impact of the Visit:

The visit to CSIR–CCMB provided valuable academic exposure to the B. Pharmacy final-year students of Sarojini Naidu Vanita Pharmacy Mahavidyalaya. It enhanced their understanding of scientific research and highlighted the importance of laboratory-based investigations in pharmaceutical and biomedical sciences. The visit encouraged scientific curiosity, critical thinking, and appreciation of the role of research institutions in advancing healthcare and developing scientific knowledge. The exposure to modern laboratory facilities and ongoing research activities also motivated students to consider future opportunities in pharmaceutical research, biotechnology, and related scientific disciplines.

9. Outcome of the Visit:

The visit to CSIR–CCMB was highly informative and provided students with valuable exposure to modern scientific research and laboratory practices. The students gained a better understanding of how molecular biology, genetics, microscopy, proteomics, and analytical techniques are applied in biomedical and pharmaceutical research. The demonstrations and



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laboratory visits helped bridge the gap between classroom theory and its practical applications in scientific investigations. The visit also encouraged students to explore research-oriented career opportunities and develop an interest in interdisciplinary fields such as biotechnology, molecular pharmacology, pharmaceutical research, and clinical research. The interactive activities, scientific presentations, and discussions with research personnel contributed to a meaningful and memorable educational experience.

10. Conclusion:

The educational visit to CSIR–Center for Cellular and Molecular Biology (CSIR–CCMB), Hyderabad, on 26th September 2026, as part of its 85th Anniversary Open Day celebrations, was a highly informative and enriching experience for the B. Pharmacy final year students of Sarojini Naidu Vanita Pharmacy Mahavidyalaya.

During the visit, students explored several scientific stalls, observed zebrafish and Drosophila research models, studied animal brain specimens, learned about cancer research and breast cancer diagnosis, and gained exposure to microscopy, proteomics, chromatography, HPLC, DNA sequencing, and genetic variations.

Visiting selected laboratories and observing scientific research activities provided valuable insight into how a leading research institution functions. Overall, the visit enhanced the students' scientific knowledge, practical understanding, and appreciation of modern research applications in pharmaceutical and biomedical sciences. The experience was both educational and enjoyable and added value to their academic learning.



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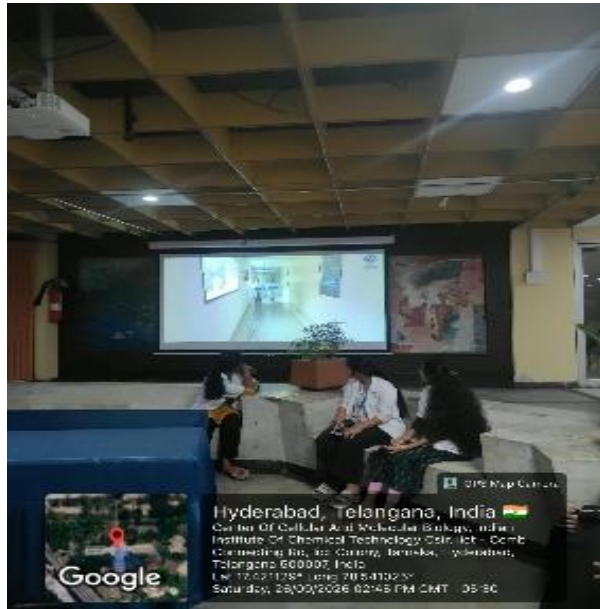




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Date: 26/09/2026

LIST OF SUDENTS ATTENDING CCMB OPEN DAY VISIT

S. No	Name of the student	Hall Ticket No	Signature
1	A. Nandini	170423881001	A. Nandini
2	A. Keerthana	170423881002	A. Keerthana
3	Rani	170423881004	A. Rani
4	Sai Sreeja	170423881009	Sreeja
5	Yamuna	170423881010	B. Yamuna
6	Sucharitha	170423881011	B. Sucharitha
7	B.Sushma	170423881016	B. Sushma
8	Ahikya Anunai	170423881017	Ahikya Anunai
9	B.Hiranya	170423881021	B. Hiranya
10	Anjani pravalika	170423881022	Anjani pravalika
11	Bindhu Shravya	170423881023	C. Bindu Shravya
12	Ch. Shivani	170423881025	Shivani
13	Navya	170423881027	D. Navya
14	D.Prasanna Jyothi	170423881028	D. Prasanna Jyothi
15	D.Sravanthi	170423881030	Sravanthi
16	D.S.Madhulika	170423881031	Madhulika
17	E. Sandhya sree	170423881034	E. Sandhya sree
18	G.Shanthi	170423881037	G. Shanthi
19	G. Nikitha	170423881041	Nikitha
20	G. Sindhu reddy	170423881042	Sindhu
21	G. Mounika	170423881043	Mounika
22	J. Keerthana	170423881046	J. Keerthana
23	K. Shivani	170423881053	K. Shivani

24) C. Poojitha
25) Lalitha Sahitya
26) Buddha Sravanthi
27) J. Sindhu priya

170423881024
170423881008
170423881020
170423881047

Poojitha
Lalitha
Savanthi
Sindhu priya

Class Incharge

Mr. Suresh
26/9/26



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Date 26/09/2026

LIST OF STUDENTS VISITING CCMB

S No	Name of the Student	Hall Ticket No.	Signature
1	Geethika	1704-23-881-056	<i>Geethika</i>
2	Pallavi	1704-23-881-059	<i>Pallavi</i>
3	Manisha	1704-23-881-058	<i>Manisha</i>
4	Shravya	1704-23-881-063	<i>Shravya</i>
5	Anvitha	1704-23-881-066	<i>Anvitha</i>
6	Deepthi	1704-23-881-068	<i>Deepthi</i>
7	Vaishnavi	1704-23-881-070	<i>Vaishnavi</i>
8	Laasya	1704-23-881-071	<i>Laasya</i>
9	Bhavana	1704-23-881-075	<i>Bhavana</i>
10	Hritika	1704-23-881-074	<i>P.S. Hritika</i>
11	Spandana	1704-23-881-089	<i>Spandana</i>
12	Hiranya	1704-23-881-105	<i>Hiranya</i>

P. Hema 26/9/26
Class Incharge

Hemalatha
Anuradha
Swetha
Krishnaveni

Dr. Hemalatha
Dr. S. Anuradha
Dr. M. Swetha
Dr. Krishnaveni