



चौधरी महादेव प्रसाद महाविद्यालय C. M. P. DEGREE COLLEGE



(A Constituent P.G. College, University of Allahabad)

Under the Strengthening Component of DBT Star College Scheme

Website: www.cmpcollege.ac.in

Department of Botany
C.M.P. Degree College, Prayagraj

Outreach Activity:

Outreach Activity of B.Sc. III Bio students Conducted by Botany Department, CMP Degree College, Prayagraj (Under the Aegis of DBT Star College Scheme) on 30th March 2022

Botany Department has organized National Academy of Sciences (NASI), Prayagraj visit an outreach activity for B.Sc. III year students under an outreach activity of DBT Star College Scheme on 30th March 2022. About 75 students of B.Sc. III year students and 3 faculty members of Botany Department (Dr. Avinash Pratap Singh, Dr, Deepak Kumar Gond, and Dr. Yashwant Kumar) are participated in this visit. The students visited the Ganga Gallery of NASI. They got information about the origin place and the pathway of river Ganga from Gangotri to Bay of Bengal. Students have also get information regarding Ganga pollution at different places during the pathway. They also collected different information about different important rivers of India, but the gallery is mainly focussed on river Ganga. The awareness programme to protect the river Ganga were also mentioned as well as to control the the pollution in the different rivers were also available in the gallery. Many others relevant information were available regarding different rivers, forests and natural resources of India and their conservation. Digital quiz was also organized in the Ganga gallery for students. The quiz was based on Ganga gallery. All the information in the Ganga gallery of NASI, Prayagraj, was fully digitalized and automatic, which was very helpful for students to analyze the information in the systematic and simplest manner. The statistics of Ganga gallery was also presented in very effective way, so that the students very easily analyze all the data. Students also observed the photographs of different scientists, which were placed in the NASI, Prayagraj campus.

Finally the Director of NASI, Prayagraj Dr. Neeraj interacted with students. He told about the history and establishment of NASI. Question and answer session was also conducted.



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The Ganga gallery visit of NASI Prayagraj was definitely much more beneficial for students and they got different information regarding NASI and Ganga gallery. The students enrich their knowledge mainly regarding water pollution and different important rivers of India.



NASI VISIT



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GANGA GALLERY OF NASI VISIT

Report on Biotech Startup DBT Expo-2022 at Pragati Maidan, New Delhi

Outreach Activity of B.Sc. III Bio students, CMP Degree College, Prayagraj (Under the Aegis of DBT Star College Scheme)

We are invited to attend the Biotech Startup Expo on 9th and 10th June 2022 at New Delhi. (Reference DBT letter dated 3rd June 2022: "Celebration of 10 years of BIRAC" on 9th and 10th June 2022 at Pragati Maidan New Delhi: Fostering Biotechnology and Startup Innovations: Towards Aatma Nirbhar Bharat Biotech Startup Expo- 2022-10 years of BIRAC and Department of Biotechnology)

Two faculty members (Dr. Avinash Pratap Singh and Dr. Deepak Kumar Gond of Botany Department) and three B.Sc. III year students (Suraj Kumar Prajapati, Ashwani Singh and Sunil Chaurasiya) were nominated by DBT Coordinator, Dr. Sarita Srivastava of CMP Degree College Prayagraj to attend the Biotech Startup Expo on 9th and 10th June 2022 at New Delhi. It was two day event held on 9th and 10th June 2022. The Expo was organized by



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Department of Biotechnology (DBT) and biotechnology Industry research Assistance Council (BIRAC). The theme of the Expo was 'Biotech Startup Innovations: Towards Aatma Nirbhar Bharat'

The Biotech Startup Expo-2022 at Pragati Maidan, New Delhi was inaugurated by Honourable Prime Minister Mr. Narendra Modi. Mr. Modi address on the occasion. He told that trust in the skill and innovation of India's information technology professionals in the world was at new heights and this unbeat mood was now evident in the biotech sector as well as among the biotechnology professionals of India. According to the Prime Minister, the number of start-ups in India increased from few hundred to 70000. The number of investors in the biotech sector has risen by nine times, the biotech incubators funding increased by seven times. Biotech products have increased from 10 products to more than 700 products today.

The Expo was act as platform to connect entrepreneurs, investors, industry leaders, scientists, researchers, bio-incubators, government officials etc.

About 300 stalls were set up at the Expo, which was the showcase application of Biotechnology in various fields such as healthcare, genomics, biopharma, agriculture, industrial biotechnology, waste-to-value and clean energy among others.

Expo was very good for exposure of B.Sc. students and they must be benefitted from the event.



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DBT Expo, Pragati Maidan, 9th June 2022



DBT Expo, Pragati Maidan, 10th June 2022

Out Reach Activity of B.Sc. I, II and III year Bio Students to BSI, Central Circle Prayagraj



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Botany Department, CMP Degree College, Prayagraj, conducted outreach activity for B.Sc. Bio students on 1st Aug 2022. Dr. Avinash Pratap Singh was in-charge of this programme. About total 25 B.Sc. 75 M.Sc. and 12 Ph.D. students were participated in this activity. In this programme students were acquainted about herbarium of BSI and also about different plants. Students also identified the plants in field



BSI, Central Circle, Prayagraj, Visit of Students (B.Sc., M.Sc. and Ph.D)



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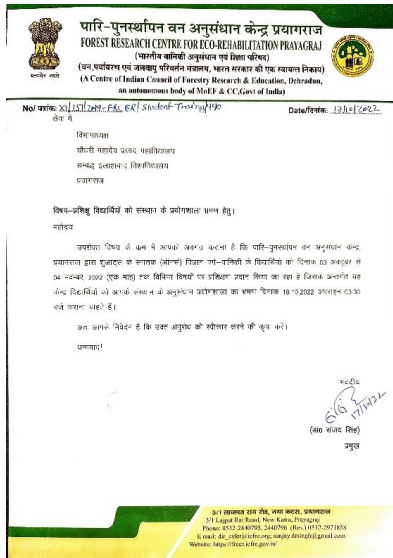
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Out Reach Activity of SHUATS, Naini, Prayagraj Students of B.Sc. (Hon) Forestry

Botany Department, CMP Degree College, Prayagraj demonstrated about different instruments the Students of B.Sc. (Hon) Forestry of SHUATS, Naini, Prayagraj on 10th October 2022. About 22 students were participated in this training programme. Dr. Avinash Pratap Singh, addressed the students and told about the handling of different microbiological instruments.



Latitude: 25.446288
Longitude: 81.86025
Elevation: 87.3±2 m
Accuracy: 23.9 m
Time: 10-18-2022 14:40
Note: CMP Lab

Powered by NoteCam



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Report of Outreach Programme (School Visit) on 19/08/2023

Outreach Programme was held in the premises of Kulbhaskar Ashram Inter College, Prayagraj on 19/08/2023 (Saturday) under the aegis of DBT Star College Scheme. Class 11th and 12th standard students of science stream participated in our programme. About more than 70 students were participated in this event. Students were motivated to pursue higher studies in science by demonstrating the principles of science in front of them.

Dr. Rohit Kumar, Assistant Prof. (Department of Physics) Demonstrated Principles of Optics by performing experiments in front of Students. Dr. Vishal Kumar Srivastav, Asst. Prof. Department of Chemistry briefed the students about the importance of Green Chemistry and its implication in our daily life. Dr. Manoj Kumar Jaiswal briefed the students about the exciting field of Neuroscience and Physiology. Upon Student's query he also demonstrated the principles of Blood Antigens, Blood grouping and Blood clotting. Dr. Ashish Kumar Mishra motivated the students to learn the basics of diagnostic techniques for various diseases. He explained the principle of ELISA technique for the detection of body analytes.

Students were invited to our college, CMP Degree College to see various instruments and learn their functioning in order to enhance their understanding and to motivate them to develop scientific temperament. On this occasion teachers of the students were also present.



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Demonstration by
Dr. Rohit Kumar



Demonstration by
Dr. Manoj Kumar
Jaiswal



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Demonstration by
Dr. Vishal
Srivastava

Report on One Day Lab Visit as an Outreach Activity under the aegis of DBT Star College Scheme

One Day Lab Visit as an Outreach Activity under the aegis of DBT Star College Scheme on 23th Aug, 2023 jointly organized by the Department of Chemistry, Zoology, Botany, and Physics as collaborative outreach activity aimed at providing 11th and 12th standard students from Kulbhaskar Ashram Inter College with an opportunity to visit the laboratories, engage in hands-on experiments, and gain insights into the fascinating world of science. There were about total 54 students participated in this visit. The purpose of the lab visit was to inspire students' interest in these scientific disciplines, provide practical exposure to theoretical concepts, and encourage them to consider careers in these fields.



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The event began with a warm welcome and introduction to the participating students by Dr. Sarita Srivastava Coordinator of DBT Star College Scheme along with Dr. Babita Agrawal Convener of NAAC, Dr. Vinita Jaiswal (Convener, Department of Zoology) Dr. Gyan Prakash were present and encourage the students after that Department faculty members Dr. Vishal Srivastava (Chemistry), Dr. Manoj Kumar Jaiswal (Zoology), Dr. Avinash Pratap Singh (Botany) and Dr. Rohit Kumar (Physics) provided an overview of the labs and the importance of the disciplines of Chemistry, Zoology, Botany, and Physics in understanding the natural world. Students were also acquainted with different instruments. Some students observed different slides of bacteria and fungi in the lab of Botany Department.



Botany Lab
Visit by
Students



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Address by
Dr. Vishal
Srivastava

Google

Prayagraj, Uttar Pradesh, India
CVW6+F33, George Town, Prayagraj, Uttar Pradesh 211002, India
Lat 25.446256°
Long 81.860168°
23/08/23 12:00 PM GMT +05:30

GPS Map Camera



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Induction Program of One Day Lab Visit

Outreach Activity of B.Sc. Bio Students Conducted by Botany Department, CMP Degree College, Prayagraj (Under the Aegis of DBT Star College Scheme) on 22nd September 2023.

In this activity total 11 students were participated under the guidance of Dr. Avinash Pratap Singh. This activity was organised by NASI, Prayagraj. Students visited the NASI and and learnt about scientific temperament about Balanced Diet and Nutrition.



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DEPARTMENT OF BOTANY
CHAUDHARY MAHADEO PRASAD COLLEGE PRAYAGRAJ
(A CONSTITUENT POST GRADUATE COLLEGE OF UNIVERSITY OF ALLAHABAD)

Dated: 26th Sep 2023

To
The Principal
CMP Degree College
Prayagraj

Sub: Seeking permission for NASI visit

Dear Sir,

As your reference letter of the National Academy of Sciences dated 22nd Sep 2023, I am herewith proposing the name of faculty member and students for NASI visit on 27th Sep 2023. Kindly allow them for the same. The names are as follows:

S.No.	Names	Class
1.	Dr. Avinash Pratap Singh	Assistant Professor
2.	Mr. Pawan Kumar Kharwar	Research Scholar
3.	Ms. Utkarsha Gupta <i>Utkarsha Padel</i>	Research Scholar M.Sc. II
4.	✓ Mr. Akash Maurya	M.Sc. III Sem
5.	Ms. Shivam Raju <i>Pooja</i>	M.Sc. III Sem
6.	✓ Ms. Jagriti Singh	M.Sc. III Sem
7.	Ms. Shweta Patel <i>Abanish Singh</i>	M.Sc. II Sem
8.	Mr. Anuj Jaiswal	M.Sc. I Sem
9.	✓ Ms. Shreya Singh	B.Sc. III year
10.	✓ Ms. Tanvi Tripathi	B.Sc. III year
11.	Ms. Shivani Nishad	B.Sc. III year
12.	Mr. Vishat Maheshgandhi <i>Mr. Vishat Maheshgandhi</i>	B.Sc. II year M.Sc. I Sem

See you
Hehe
26/9/23

Amita
26/9/23
Dr. Amita Pandey
Convener

PRINCIPAL
CHAUDHARY MAHADEO PRASAD COLLEGE
PRAYAGRAJ

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Departmental Coordinator

Dr. Avinash Pratap Singh

Amita
CONVENER
BOTANY DEPARTMENT
C.M.P. College, Allahabad

Convener

Dr. Amita Pandey

Sarita Srivastava
Dr. Sarita Srivastava
Associate Professor
Coordinator DBT Star College
C.M.P. College
University of Allahabad

Coordinator, DBT Star College

Dr. Sarita Srivastava