



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 Chemistry
C.M.P. Degree College, Prayagraj

Outreach Activity:

- An Industrial visit/ Outreach activity was organized by Chemistry Department, CMP for B.Sc.-III (Math group) students for **Indian Farmers Fertiliser Cooperative (IFFCO, Phulpur Unit)** on 5th April, 2022 in CMP Degree College under the aegis of DBT Star College Scheme. Approximate **50 students** including faculty members have been benefited by this industrial visit under outreach activity. Students had gained a lot of valuable information about production of Urea fertilizer, production of electric power by turbine rotation, information regarding Urea and ammonia plants as well as newly launched unit of Nano Urea fertilizer by IFFCO, Phulpur unit via this trip.





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➤ Report for 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. Students were



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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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Prayagraj, Uttar Pradesh, India

109a, Mahatma Gandhi Marg, beside abhislasha hospital, George Town, Prayagraj,
Uttar Pradesh 211002, India

Lat 25.444954°

Long 81.852415°

19/08/23 11:21 AM GMT +05:30

Google

GPS Map Camera



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➤ 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. 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.

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)



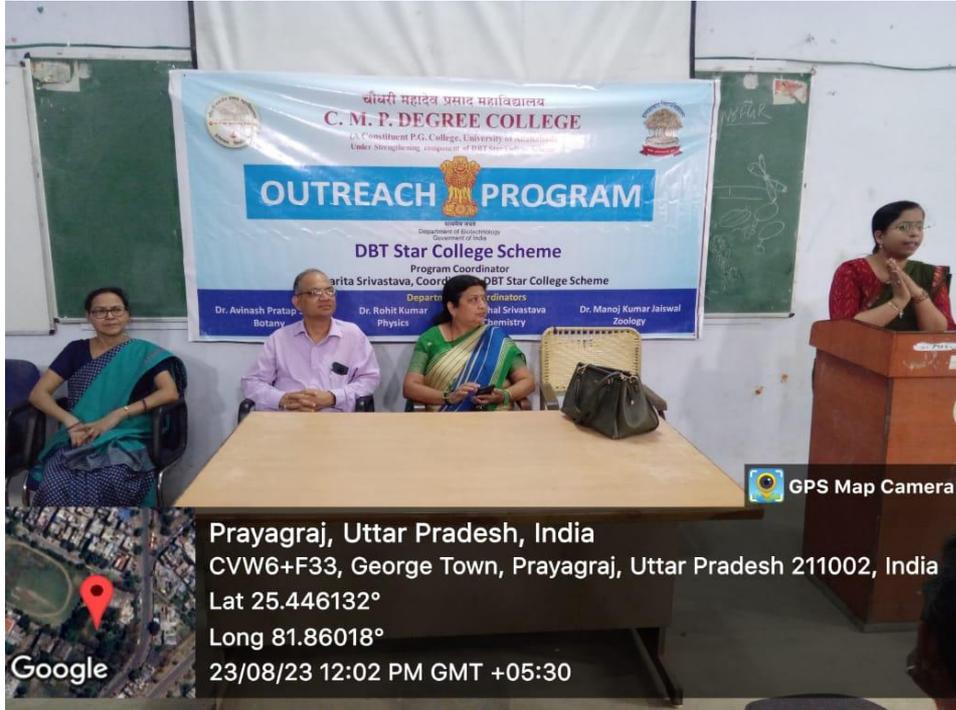
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provided an overview of the labs and the importance of the disciplines of Chemistry, Zoology, Botany, and Physics in understanding the natural world.





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Induction Program of One Day Lab Visit

➤ **Laboratory visit to the Centre of Material Science, University of Allahabad at 15.09.2023**

This visit provided an opportunity for participants to engage with laboratory instruments and gain practical insights into the field of nanotechnology. The participants were accompanied by Dr. AK Shukla, Dr. Babita Agarwal, Dr. Monika Singh, Dr. DK Sahu and Dr. Priyanka Chawla. During the lab visit, participants had the privilege of exploring a range of sophisticated instruments that are instrumental in nanotechnology research. These instruments included: X-Ray Diffraction (XRD), Fourier Transform Infrared Spectroscopy (FTIR), UV-Visible Spectrophotometer, Pressure Differential Scanning Calorimeter (PDSC), Pressure Light Microscope (PLM) or Pressure Optical Microscope (POM.) This hands-on experience provided a unique opportunity for participants to bridge the gap between theoretical knowledge and practical application in the field of nanotechnology. The workshop organizers are grateful to the Centre of Material Science, University of Allahabad, for opening their doors and facilitating this enriching laboratory visit.



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Departmental Coordinator

Dr. Vishal Srivastava

Convener

Dr. Babita Agrawal

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

Coordinator, DBT Star College

Dr. Sarita Srivastava