



# 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](http://www.cmpcollege.ac.in)



2018



MEMORANDUM OF UNDERSTANDING

BETWEEN

CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE, PRAYAGRAJ  
INDIA

&

VIJNANA PARISHAD PRAYAG, PRAYAGRAJ, INDIA

ON

PARTNERSHIP FOR JOINT CAPACITY BUILDING, KNOWLEDGE EXCHANGE  
PROGRAM AND INTER-INSTITUTIONAL ACTIVITIES



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## Authorized Signatories

Each party/ institution represents that the individuals signing this memorandum of understanding have the authority to sign on its behalf in the capacity indicated.

IN WITNESS whereof the undersigned, being duly authorized thereto, have on behalf of the parties hereto signed the present Memorandum of Understanding at the place and on the day stipulated below

Vijnana Parishad, Prayagraj

Chudhary Mahadeo Prasad Degree College

Signature: Shiv Gopal Mishra

Signature: Brijesh Kumar

Name: Prof. Shiv Gopal Mishra

Name: Dr. Brijesh Kumar

Title: Pradhyaanmantri

Title: Principal

Date: 10.10.2018

Date: 10/10/2018



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## REPORT: Three Days National Seminar on

### “Innovative Frontiers in Applied Sciences”

The National Seminar on “Innovative Frontiers in Applied Sciences” was organized on September 26-28, 2019 by the Chemical Society, Department of Chemistry, CMP Degree College, Prayagraj-211002(India) in collaboration with Vigyan Parishad, Prayag, Prayagraj-211002(India).

#### First day, 26 September, 2019.

On the first day the inaugural session was organized in the auditorium of Vigyan Parishad. On this occasion departmental bulletin of Chemistry Department "Chem-World" Vol III and IV was released and the book authored by Dr. Deepa Srivastava was also released by the dignitaries present in the function. The chief guest Dr. Shiv Gopal Mishra emphasized on the need of innovation in research and he appealed to use our national language Hindi more in the science related work. Guest of honor Prof. Jagdamba Singh said that all the knowledge is incomplete without chemistry. He also said that use of green solvent and green chemistry is very useful for the environment.

Dr. Abhishek Srivastava welcome the guests, Dr. Archana Pandey gave a brief description of chemical society. Subject initiation was done by Dr. Deepa Srivastava. The chair person Dr. Brijesh Srivastava, Principal CMP Degree College, emphasized on research which is deeply rooted with the benefit of general public. He said that all of us should take care to protect and safe the environment and conserve water. Prof. Shiv Gopal Mishra and Prof. Jagdamba Singh were awarded with ‘Award of Excellence’ for their valuable contribution in the field of science, by chemical society. Anchoring was done by Dr. Babita Agarwal and thanks was given by Dr. Sunanda Das. On the inaugural function along with Dr. Roli Srivastava, Dr. Arti Gupta, Dr. A.K. Shukla, Dr. Mridula Tripathi, Dr. Santosh Srivastava, Dr. Monika Singh, Dr. Deepanjali Pandey, Dr. Akram Ali, Dr. Vishal Srivastava, Dr. Archita Srivastava, Dr. Praveen Singh, Dr. Praveen Tripathi, Dr. Pramod Sharma, Dr. D.K. Sahu, Dr. Himani Chaurasia, a large number of Professors from different college and university of Uttar Pradesh and the students were present.

#### Second day, 27 September, 2019

On the second day of the seminar, two technical sessions were organized.

**In the first technical session** the invited talk was given by **Prof. Satish Awasthi, Professor, Chemistry Department, Delhi University**. He gave a detail description of his research work on anti malarial drug. He told about extracting antimycinin from plant, which is very useful in preventing malaria infection.



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In the second technical session, the Emeritus Scientist, **Prof Krishna Mishra, IIT Allahabad** presented the invited Talk on 'Contribution of technology in the development', she said that the serious problem like illiteracy, agriculture and health can be tackled easily with the help of technology only. She said that interdisciplinary education should be encourage for the better development. She was honored with 'Award of Excellence' for her great contribution in the field of science.

The third invitation lecture was given by **Prof. K.K Upadhyaya, Professor, Chemistry Department, BHU** on nano-particles. He told about the use of nano-particles in various fields and its future prospects.

In both the technical sessions, the lecture given by the guests was followed by the oral presentation of the faculty members and students. Some students gave the poster presentation also. First technical session was conducted by Dr. Santosh Srivastava and the second technical session was conducted by Dr. Babita Agarwal. Vote of thanks was given by Dr. Himani Chaurasia. About 25 poster presentation and 60 oral presentations from all over India were presented on the second day. The presence of all the faculty members and the non-teaching staff of Department of Chemistry and large number of professors from different institutions and students graced the function.

### Third day, 28 September, 2019.

Valedictory function was chaired by Ch. Jitendra Nath Singh, President of K.P. Trust. The chief guest, **Prof. K.B. Pandey, Ex VC Kanpur University and Chitrakoot Gramodaya Vishwavidyalaya** gave a detailed knowledge on medicinal plants. He said that a single plant can have a lot of medicinal value and more research in this field is needed. He emphasized on such research which is beneficial to the common man, especially those living in the villages. He told that 150 phytochemicals are present in Neem tree only, which has the antibiotic, antiviral, antioxidant, antifungal, analgesic properties. The chair person Ch. Jitendra Nath Singh told about the seriousness of global warming and steps to be taken to reduce it. The function was graced with the blessings given by Prof. Krishna Srivastava, convener, Department of Chemistry, A.U. and Dr. Brijesh Srivastava, Principal, CMP Degree College. The founder of Chemical Society, Dr. Ashok Ranjan Saxena told about the objectives of the chemical society and said that whatever we do in laboratory should be made reachable to common man. The release of the book 'Tan aur Man ka Rasayan' authored by Dr. Archana Panday of Department of Chemistry, CMP Degree College was done by the dignitaries on the dais. The report of the three day seminar was presented by the secretary of the seminar Dr. Abhishek Srivastava. The function was conducted by Dr. Arti Gupta and vote of thanks was given by Dr. Deepa Srivastava. The volunteers from M.Sc and the non-teaching staff were honored for their contribution in the seminar. All the



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faculty members, non-teaching staff and students of CMP College along with large number of professors and students from other institutions were present in the function.



Inaugural session of **Three days National Seminar on "Innovative Frontiers in Applied Sciences"** was conducted by Chemical Society, Department of Chemistry in collaboration with Vigyan Parishad Prayag from 26<sup>th</sup>-28<sup>th</sup> September 2019, at Vigyan Parishad Prayag



Release of Seminar Abstract Book



Release of Chemistry Department's annual bulletin "Chem-World" Vol IV & V (Publication 2017-19)



Release of "Inorganic Chemistry" book authored by Dr. Deepa Srivastava



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Felicitation of Prof. Jagdamba Singh with "Award for Excellence" by Chemical Society, Department of Chemistry.



Felicitation of Prof. Shiv Gopal with "Award for Excellence" by Chemical Society, Department of Chemistry.



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Ch. Jitendra Nath Singh delivering his address in the seminar.



Valedictory session of National Seminar on "Innovative Frontiers in Applied Sciences"





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### REGISTRATION FORM

#### NATIONAL SEMINAR

#### Innovative Frontiers in Applied Sciences

September 26-28, 2019

Organized by  
Chemical Society, Department of Chemistry  
C.M.P. College  
(A constituent P.G. College of Allahabad University)  
Prayagraj - 211 002 (INDIA)  
In collaboration with  
Vijnana Parishad Prayag  
(Local Chapter) Prayagraj - 211 002 (INDIA)

Name : .....  
Designation : .....  
Affiliation : .....  
Address : .....  
E-mail : .....  
Telephone : .....  
Presentation : Oral ..... Poster .....

Please complete this registration form and mail a scanned copy to [ifaschm2019@gmail.com](mailto:ifaschm2019@gmail.com) or send a hard copy before August 30, 2019 to

Chemical Society  
Department of Chemistry  
C.M.P. College, Prayagraj-211002 (INDIA)  
Date: ..... Signature .....

(Photocopy of the Form may also be used)

### HOW TO REACH PRAYAGRAJ

Prayagraj is accessible by air and train from all parts of the country. There is a network of bus services from all the Northern States. The Venue is about 6 Km from Prayagraj Junction and 10 Km from Prayagraj Airport.

### DEPARTMENT OF CHEMISTRY

Department of Chemistry is biggest department among all departments of CMP College. This department has 22 teaching and 9 non-teaching staff. The research areas in which work is being pursued are in the field of Synthetic Organic Chemistry, Polymeric Materials, Solar Cell, Coordination Chemistry, Materials Chemistry, Supramolecular Chemistry and Medicinal Chemistry. Faculty members of the Department have undertaken projects worth Rs. 1.1 Crore from various funding agencies like UGC, DST, CSIR, etc.

### ABOUT VIJNANA PARISHAD PRAYAG

Vijnana Parishad was established in 1913. It is working in the field of science popularization and dissemination in Hindi and other Indian Languages.

### NATIONAL ADVISORY COMMITTEE

- Prof. Jagdamba Singh (AU, Prayagraj, UP)
- Prof. Satish Awasthi (DU, Delhi)
- Prof. K.K. Upadhyaya (BHU, Varanasi, UP)
- Prof. Surya Prakash Singh (IIT, Hyderabad, Telangana)
- Prof. Anand Prakash Mishra (H.S. Gaur University, Sagat, MP)
- Dr. Sheila Srivastava (Firoz Gandhi PG College, Raibareilly, UP)
- Prof. Janhavi Singh (UP College, Varanasi, UP)
- Dr. Hemlata Pant (CMP College, Prayagraj, UP)
- Mr. Deovrat Dwivedi (Executive Secretary, Vijnana Parishad Prayag, UP)

### NATIONAL SEMINAR

#### Innovative Frontiers in Applied Sciences

September 26-28, 2019



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In collaboration with  
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(Local Chapter)  
Maharshi Dayanand Marg  
Prayagraj - 211 002 (INDIA)

### THE THEME OF SEMINAR

Applied science is a point of intersection between research & development and its actual application in the real world. All the frontiers in innovations play an instrumental role in advancement of applied research areas. The seminar seeks to explore the essential gist of such innovations, their possible applications in various fields, foster the creative and applicative thinking of researchers and stimulate more of such initiatives. It is desired that the academic discourse in the present seminar will bring positive results and insight for the near future.

#### Thrust Area of the Seminar:

- Polymers in Applied Sciences
- Save the Planet Earth
- Renewable Energy
- Natural Product and Drug Discovery
- Material Science for Mankind
- Fuel for Future
- Molecular Biology
- Waste Management
- Tissue Culture and Genetically Modified Crops
- Water Conservation

#### Call for Abstracts

Submission of abstract (not exceeding 500 words) for invited talk and (250 words) for Oral/Poster presentation should be submitted to the address for correspondence latest by August 30, 2019.

Font Style: Times New Roman, MS Word format.  
Font Size: 12 (For Text, Author's name, Affiliation & E-mail ID).  
Font Size: 14 (For Title)  
Line Spacing: 1.5, leaving 1-inch margin on all sides on A-4 page.

### ORGANIZING COMMITTEE

- Chief Patron** : Ch. Jitendra Nath Singh  
(President, K.P. Trust, Prayagraj)
- Patron** : Dr. Brjesh Kumar  
(Principal, CMP College, Prayagraj)
- Chairperson** : Prof. Shiv Gopal Mishra  
(Pradhan Mantri, Vijnana Parishad Prayag Prayagraj)
- Co-chairperson** : Dr. Archanda Pandey  
Dr. Sunanda Das
- Convener** : Dr. Deepa Srivastava
- Co-Convener** : Dr. Anil Kr. Shukla  
Dr. Roli Srivastava  
Dr. Babita Agrawal  
Dr. Santosh K. Srivastava  
Dr. Arti Gupta  
Dr. Meridula Tripathi
- Organizing Secretary** : Dr. Abhishek Srivastava
- Co-Organizing Secretary** : Dr. Praveen Tripathi  
Dr. Pravin Kr. Singh  
Dr. Vishal Srivastava  
Dr. Ashok Kr. Ranjan  
Dr. Ranjeet Kumar
- General Secretary** : Dr. Akram Ali
- Joint Secretary** : Dr. Dharmendra Kr. Sabu  
Dr. Monika Singh  
Dr. Pramod Kumar  
Dr. Deepanjali Pandey  
Ms. Himani Chaurasia
- Treasurer** : Dr. Arjita Srivastava

### IMPORTANT DATES

**Deadline**  
For Abstract Submission August 30, 2019  
For Registration August 30, 2019  
Date of Seminar September 26-28th, 2019

**Registration Fee**  
Academicians Rs. 1200/-  
Research Scholars Rs. 1000/-  
Others Rs. 800/-

**Note:**  
On the spot registration fee will be extra Rs. 200/- with above mentioned registration fee.

#### ADDRESS FOR CORRESPONDENCE

**Convener:**  
Mobile : 09452797906, 9815367142, 8004411230  
Abstract can be submitted to Email ID :  
[ifaschm2019@gmail.com](mailto:ifaschm2019@gmail.com)

**Registration fees can be submitted online**  
SYNDICATE BANK PRAYAGRAJ  
(Branch - Prayag)  
A/C No. 86162010035053  
IFSC: SYN0008616

#### VENUE

**Auditorium**  
Vijnana Parishad Prayag  
(Vijyan Parishad Prayag)  
Prayagraj-211 002 (INDIA)



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## पर्यावरण की दृष्टि से ग्रीन केमिस्ट्री बहुपयोगी

जासं, प्रयागराज : सीएमपी डिग्री कॉलेज के रसायन विज्ञान विभाग की केमिकल सोसायटी एवं विज्ञान परिषद के संयुक्त तत्वावधान में गुरुवार को इनोवेटिव फ्रंटियर्स इन एप्लाइड साइंसेज विषयक तीन दिवसीय राष्ट्रीय संगोष्ठी का उद्घाटन विज्ञान परिषद के सभागार में हुआ। केमिकल सोसायटी द्वारा प्रकाशित डॉ. दीपा श्रीवास्तव की पुस्तक का विमोचन भी हुआ।

मुख्य अतिथि डॉ. शिव गोपाल मिश्र ने कहा कि शोध में नवाचार वक्त की जरूरत है। विज्ञान में हिंदी का उपयोग अधिक करने की अपील की। विशिष्ट अतिथि प्रो. जगदंबा सिंह ने कहा कि ग्रीन केमिस्ट्री पर्यावरण की दृष्टि से बहुत ही उपयोगी है। स्वागत उद्बोधन डॉ. अभिषेक श्रीवास्तव, डॉ. अर्चना पांडेय ने केमिकल सोसायटी का संक्षिप्त परिचय व विषय प्रवर्तन डॉ. दीपा श्रीवास्तव ने किया। अध्यक्षता प्राचार्य डॉ. ब्रजेश श्रीवास्तव ने निभाई। जिसका क्षेत्र में उल्लेखनीय योगदान है। शिव गोपाल मिश्र ने एवार्ड ऑफ एक्सीलेंस से सम्मानित किया गया। संचालन डॉ. बबिता अग्रवाल व धन्यवाद ज्ञापन डॉ. सुनंदादास ने किया।

## एंटी मलेरिया ड्रग्स के शोध पर मंथन

विज्ञान परिषद में प्रोफेसरों, शोधार्थियों ने पढ़े शोधपत्र

प्रयागराज। विज्ञान परिषद में 'इनोवेटिव फ्रंटियर्स इन एप्लाइड साइंसेज' विषय पर आयोजित तीन दिवसीय राष्ट्रीय संगोष्ठी के दूसरे दिन दिल्ली विश्वविद्यालय के प्रो. सतीश अवस्थी ने एंटी मलेरिया ड्रग्स पर किए गए रिसर्च वर्क के बारे में जानकारी दी। बताया कि उन्होंने पौधों के द्वारा आर्टिमिसनिन नामक पदार्थ को प्राप्त किया है जो मलेरिया संक्रमण को रोकने के लिए बेहद उपयोगी है। सीएमपी डिग्री कॉलेज के रसायन विभाग विभाग की केमिकल सोसायटी एवं विज्ञान परिषद के संयुक्त तत्वावधान में आयोजित संगोष्ठी के द्वितीय सत्र में प्रख्यात रसायनशास्त्री प्रो. कृष्णा मिश्रा ने कहा कि तकनीकी का उपयोग करके ही अशिक्षा, कृषि एवं स्वास्थ्य



संबंधी गंभीर समस्याओं से निपट जा सकता है। केमिकल सोसायटी की ओर से विज्ञान के क्षेत्र में उल्लेखनीय योगदान के लिए प्रो. कृष्णा मिश्रा को एवार्ड ऑफ एक्सीलेंस से सम्मानित किया गया। बीएचयू के प्रो. केके उपाध्याय ने नैनो पार्टिकल पर व्याख्यान देते हुए कहा कि इनकी विविधताओं से भरी दुनिया ने मानव सभ्यता को हमेशा से आकर्षित किया है। संगोष्ठी के दौरान प्रोफेसरों एवं शोधार्थियों ने अपने शोधपत्र प्रस्तुत किए।

हैं। इसके लिए छात्रों को दिव्य आभार क साथ 2019 सफल। य और से केन्द्रीय तकनी फेलोशिप में वदोती

## शोध में नवाचार वक्त की जरूरत

विज्ञान परिषद में हुई संगोष्ठी में बोले डॉ. शिव गोपाल मिश्र

प्रयागराज। शोध में नवाचार वक्त की जरूरत है। यह बात डॉ. शिव गोपाल मिश्र ने सीएमपी डिग्री कॉलेज के रसायन विज्ञान विभाग की केमिकल सोसायटी एवं विज्ञान परिषद के संयुक्त तत्वावधान में आयोजित राष्ट्रीय संगोष्ठी के उद्घाटन पर बतौर मुख्य अतिथि कही।

'इनोवेटिव फ्रंटियर्स इन एप्लाइड साइंसेज' विषय पर आयोजित तीन दिवसीय संगोष्ठी के विशिष्ट अतिथि प्रो. जगदंबा सिंह ने कहा कि रसायन विज्ञान के बिना कोई भी विषय अधूरा है। ग्रीन केमिस्ट्री पर्यावरण की दृष्टि से बहुत उपयोगी है। इस मौके पर अतिथियों ने केमिकल सोसायटी द्वारा प्रकाशित 'प्रेम वर्ड' के अंक तीन एवं चार डॉ. दीपा श्रीवास्तव की पुस्तक का विमोचन भी किया। इस मौके पर डॉ. शिव गोपाल मिश्र एवं प्रो. जगदंबा सिंह को एवार्ड ऑफ



एक्सीलेंस से सम्मानित किया गया। स्वागत भाषण में डॉ. अभिषेक श्रीवास्तव ने दिया। डॉ. अर्चना पांडेय केमिकल सोसायटी का परिचय दिया जबकि डॉ. दीपा श्रीवास्तव ने विषय प्रवर्तन किया। अध्यक्षता सीएमपी के प्राचार्य डॉ. ब्रजेश श्रीवास्तव ने की। संचालन डॉ. बबिता अग्रवाल एवं धन्यवाद ज्ञापन डॉ. सुनंदा दास ने किया। कार्यक्रम में डॉ. संतोष श्रीवास्तव, डॉ. रौली श्रीवास्तव, डॉ. मृदुला त्रिपाठी, डॉ. मोनिका सिंह, डॉ. दीपांजली पांडेय, डॉ. अकरम अली आदि मौजूद रहे।





# चौधरी महादेव प्रसाद महाविद्यालय

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2019



### MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

C.M.P. Degree College, Prayagraj

&

CytoGene Research & Development LLP



# चौधरी महादेव प्रसाद महाविद्यालय

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### MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into 1st day of August 2019,

#### BETWEEN

C.M.P. Degree College, Prayagraj represented herein by its Prof. Ajay Prakash Khare (Principal, C.M.P. Degree College, Prayagraj) (hereinafter referred as 'First Party', the academic institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

#### AND

CytoGene Research & Development, Lucknow, U.P. and represented herein by its Dr. Subject Kumar Singh (Director) (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party').

#### WHEREAS:

- First Party is a Higher Educational Institution named:
  - C.M.P. Degree College, Prayagraj.
- First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- The Parties intend to cooperate and focus their efforts on cooperation within



PRINCIPAL  
C.M.P. DEGREE COLLEGE  
PRAYAGRAJ



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**AGREED:**

For C.M.P. Degree College,  
Prayagraj, U.P.,

For CytoGene Research & Development LLP,  
Lucknow U.P.

Authorized Signatory

Authorized Signatory

<b>First Party:</b> Brijesh Kumar , Principal, C.M.P. Degree College, Prayagraj	
<b>Name of Institution</b>	C.M.P. Degree College
<b>Address</b>	Prayagraj, Uttar Pradesh 211002
<b>Contact Details</b>	+91-9451726637
<b>E-mails</b>	bks_1957@yahoo.co.in
<b>Web</b>	<a href="http://www.cmpcollege.com">www.cmpcollege.com</a>

<b>Second Party:</b> Dr. Sujeet Kumar Singh, Director, CytoGene Research & Development, Lucknow, U.P.	
<b>Name of Institution</b>	CytoGene Research & Development LLP, Lucknow U.P.
<b>Address</b>	K-51, Agro Park, UPSIDA Industrial Area, Kursi Road (Lucknow) Dist - Barabanki - 225001
<b>Contact Details</b>	+91-7703092222
<b>E-mails</b>	director@cytogene.in
<b>Web</b>	<a href="http://www.cytogene.in">www.cytogene.in</a>


Witness 1:

  
  
Co-ordinator

Witness 2:

Dr. Amita PANDEY  
ASSOCIATE PROF.  
Dept. of BOTANY.

Witness 3:

  
(DR. SANJAY SINGH)  
ASSOCIATE PROFESSOR,  
DEPT. OF BOTANY,  
CMP DEGREE COLLEGE.

Witness 4:

DR. BABITA AGRAWAL,  
COORDINATOR - NAAC  
CMP Degree College Prayagraj.



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### Report on 7-day interdisciplinary workshop on “Fundamentals of Biotechnological Techniques” (25th November – 1st December, 2020) jointly organized by the departments of Botany and Zoology under the aegis of C.M.P. College, University of Allahabad in Collaboration with Cytogene Research and Development LPP Lucknow

The interdisciplinary e-workshop under the DBT star college scheme jointly organized by the departments of Botany and Zoology, CMP College on “Fundamentals of Biotechnological Techniques” marked its successful completion on 1st December, 2020. The workshop successfully realized its aim to improve the research skills and aptitude of the undergraduate students for enhancement of their practical knowledge on various techniques of Biotechnology by a series of lectures delivered by eminent academicians which essentially included practical demonstrations by experts. More than 320 UG and PG students had registered and successfully completed the workshop.



**CHAUDHARY MAHADEV PRASAD DEGREE COLLEGE**  
A Constituent PG College of University of Allahabad - Prayagraj  
DBT STAR COLLEGE  
under the Strengthening Component of DBT Star College Scheme

**Inaugural Ceremony**  
of  
**Interdisciplinary e-Workshop on**  
**Fundamentals of Biotechnological Techniques**  
25<sup>th</sup> November 2020-1<sup>st</sup> December 2020  
(Under the Strengthening Component of DBT Star College Scheme)



**Dr. Sangeeta Srivastava**  
Principal



**Dr. Manoj Kishor**  
Principal

**Online platform: ZOOM**  
Wednesday, 25<sup>th</sup> November 2020  
at 10:00 PM IST

**Program Coordinator:**  
**Dr. Sangeeta Srivastava**  
Principal, DBT Star College, Prayagraj  
Assistant Professor, Botany Department  
C.M.P. Degree College  
University of Allahabad, Prayagraj  
[scs@cmpcollege.ac.in](mailto:scs@cmpcollege.ac.in)



**Dr. Manoj Kishor**  
Principal, DBT Star College, Prayagraj  
Assistant Professor, Botany Department  
C.M.P. Degree College  
University of Allahabad, Prayagraj  
[mk@cmpcollege.ac.in](mailto:mk@cmpcollege.ac.in)



**Programme**

Welcome address by Dr. Sanjay Singh, Convener, Botany Department  
Introduction of Guests by Dr. Sarita Srivastava  
Key Note address by Prof. Ajay Pratap Singh  
Address by the Chairperson by Dr. Sangeeta Srivastava  
Vote of Thanks by Dr. Charu Tripathi  
**\*Programme Co-organized by Dr. Neha Pandey**

**Executive Committee**

**Dr. Sanjay Singh**  
Convener  
DBT Star College, Prayagraj  
University of Allahabad

**Dr. Sangeeta Srivastava**  
Principal, DBT Star College, Prayagraj  
University of Allahabad

**Dr. Manoj Kishor**  
Principal, DBT Star College, Prayagraj  
University of Allahabad

**Dr. Neha Pandey**  
Assistant Professor,  
Department of Botany,  
C.M.P. College,  
University of Allahabad

**Dr. Avinash Pratap Singh**  
Assistant Professor,  
Dept. of Botany, CMP  
College,  
University of Allahabad

**Organizing secretaries**

**Dr. Neha Pandey**  
Assistant Professor,  
Department of Botany,  
C.M.P. College,  
University of Allahabad

**Dr. Avinash Pratap Singh**  
Assistant Professor,  
Dept. of Botany, CMP  
College,  
University of Allahabad

**Advisory Board**

**Dr. Manoj Kishor**  
Principal, DBT Star College, Prayagraj  
University of Allahabad

**Dr. Sangeeta Srivastava**  
Principal, DBT Star College, Prayagraj  
University of Allahabad

**Dr. Manoj Kishor**  
Principal, DBT Star College, Prayagraj  
University of Allahabad

**Dr. Neha Pandey**  
Assistant Professor,  
Department of Botany,  
C.M.P. College,  
University of Allahabad

**Dr. Avinash Pratap Singh**  
Assistant Professor,  
Dept. of Botany, CMP  
College,  
University of Allahabad



**SPEAKERS**



**Dr. Sangeeta Srivastava**  
Principal, DBT Star College, Prayagraj  
University of Allahabad



**Dr. Manoj Kishor**  
Principal, DBT Star College, Prayagraj  
University of Allahabad



**Dr. Saurabh Pandey**  
Assistant Professor,  
Department of Botany,  
C.M.P. College,  
University of Allahabad



**Dr. Arpita Pandey**  
Assistant Professor,  
Department of Botany,  
C.M.P. College,  
University of Allahabad



**Dr. Madhulika Singh**  
Assistant Professor,  
Department of Botany,  
C.M.P. College,  
University of Allahabad

Note: Participants are requested to join at 8:30 AM, ZOOM link will be shared on your registered email.

Jointly Organized by  
**Departments of Botany and Zoology**  
Chaudhary Mahadev Prasad Degree College, Prayagraj-211001, U.P-INDIA

First day of the workshop was marked with the inaugural address by Dr Sangeeta Srivastava, Principal Scientist and Head, Division of crop improvement, ICAR-Indian Institute of Sugar cane research, Lucknow followed by keynote address by Prof Ajay Pratap Singh, Director of Research, Department of Pathology, College of Medicine, Programme Leader, Cancer Biology, University of South Alabama, US. Further demonstration of DNA



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isolation was given by Mr Vishal Maurya, **CytoGene Research & Development, Lucknow.**

**Biotechnology in Medicine**  
Exosomes- emerging tools for cancer diagnosis and the

**Ajay Singh, Ph.D.**  
University of South Alabama  
Mitchell Cancer Institute

From Ritu Yadav to Everyone  
yes sir

**Advances in Biotechnology**

Conceptual innovation ↔ Technological innovation

**“Out of the box” thinking**

- What is currently known
- What are the gaps in knowledge
- Putting forward a hypothesis
- Testing the hypothesis- often retesting
- Deriving meaningful interpretations

Dr. Spoorthy N Babu VIT University Tamil Nadu delivered a lecture on PCR and its applications on the second day of the workshop. Practical demonstration of preparation of master mix and set up of PCR was given by **Dr. Madhulika Singh, Director, CytoGeneResearch & Development,**



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Lucknow.

Zoom Meeting You are viewing Spoorthy N Babu's screen View Options

Recording...

**BIOTECHNOLOGY:  
PRINCIPLE &  
APPLICATIONS**

SPOORTHY N BABU

CBST, VELLORE INSTITUTE OF TECHNOLOGY

Mute Start Video Security Participants 182 Chat Share Screen Pause/Stop Recording Reactions End

Type here to search

Zoom Meeting

Preeti Maurya Deepti Pandey Khushaboo Soni Dr. Sanjay Singh

Remove Pin Recording...

Dr. Hemant, Banasthali Vidyapeeth

Participants (158)

Find a participant

- AK Arun Kumar
- AF Arzumand fatima
- Ask Me Info
- Astha Pandey
- AS Astha Singh
- AS Astha srivastava
- AP Avinash Pratap Singh
- AC Ayushi Chaudhary
- AS Ayushi Singh
- AS Ayushi Singh
- BD Bhavana Devi
- BS Bhavana singh
- BS Bhavana Singh
- DV deepanshi verma

Unmute Start Video Participants Chat Share Screen Pause/Stop Recording Reactions Leave

Type here to search

10:18 AM 11/27/2020

Third day of the workshop was marked by a fascinating lecture by Dr. Hemant Sharma, Department of Biotechnology, Banasthali Vidyapeeth, Jaipur on Microbiological Techniques. Practical demonstration of





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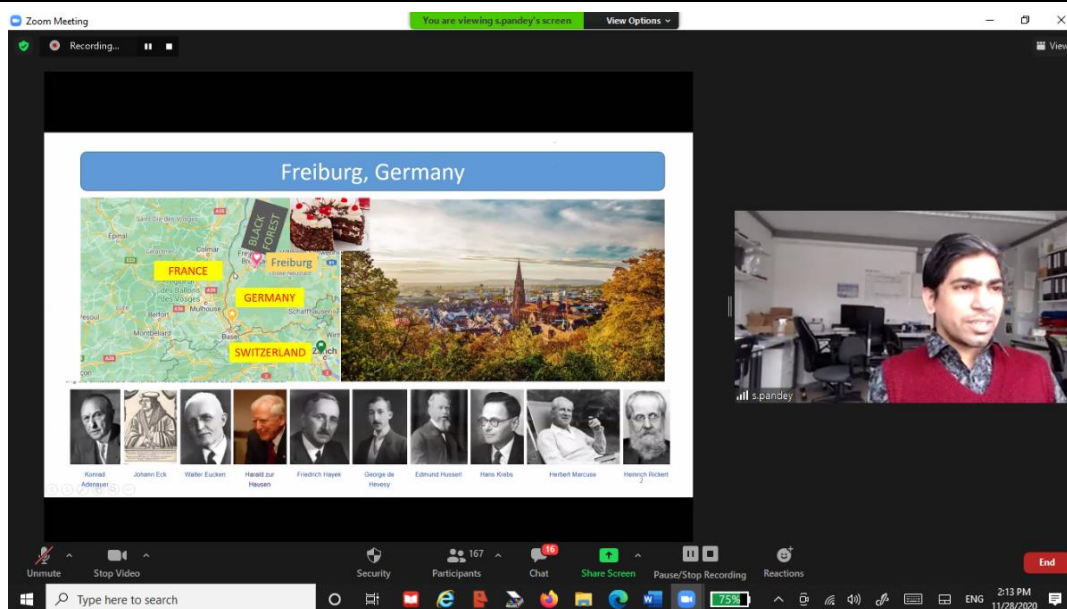
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microbiological Techniques was given by Ms Madhavi Singh under the guidance of Mr Sujit Kumar Singh, Director, Cytogene Research & Development, Lucknow.

**Dr. Saurabh Pandey**, Albert-Ludwigs University of Freiburg Molecular Plant Physiology, Germany delivered an enchanting talk on the fourth day of the workshop on Integration of face recognition tools to plant biotechnology microcallus identification through machine learning and image processing.



Mr Vishal Maurya conducted the session on the sixth day wherein various microbiological techniques were demonstrated

The last session included the lecture of **Dr. Madhulika Singh**, Director, CytoGeneResearch & Development, Lucknow on Bioinformatics and drug designing.

The valedictory session was chaired by the Dr Brijesh Kumar, Principal CMP College. The experiences of the workshop were shared by Mr Sujeet Kumar Singh, Director, Cytogene Research & Development, Lucknow. Departmental coordinators Dr Sanjay Singh and Dr Uma Rani Aggarwal shared their views on the workshop. The students actively participated in sharing their experience of the workshop and gave their feedbacks. The vote of thanks was proposed by Dr Sarita Srivastava, Associate Professor and Programme



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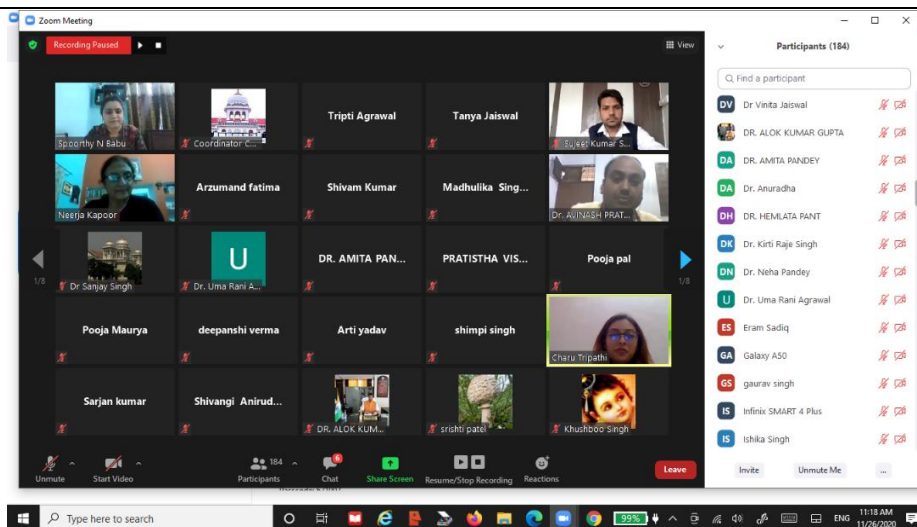
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Coordinator, DBT star college Project. The session was conducted by Dr Prateek Srivastava.



## Report for Inter disciplinary e-workshop on “Fundamentals of Biotechnology Techniques”

25<sup>th</sup> November 2020 – 1<sup>st</sup> December 2020

25<sup>th</sup> November, 2020

The workshop was organized under the aegis of DBT Star College Scheme from 25<sup>th</sup> November, 2020 to 1<sup>st</sup> December 2020 in collaboration with Cytogene Pvt Ltd at CMP College, Prayagraj in online mode by Departments of Botany and Zoology, CMP Degree College, Prayagraj. Dr. Sarita Srivastava (Co-ordinator of DBT Star College Scheme) started the Inaugural session by welcoming the Principal of the College, Dr. Brijesh Kumar and chief guest and chairperson of the inaugural session, Dr. Sangeeta Srivastava, Principal Scientist and Head, Division of Crop Improvement, ICAR-Indian Institute of Sugarcane Research, Lucknow and speaker for the session Dr. Ajay Pratap Singh. The inaugural session was conducted by Dr. Neha Pandey. She introduced the speakers and gave a background of DBT



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Star College Scheme. The speaker was formally welcomed by Dr. Sanjay Singh, Convenor of Botany Department and Departmental Coordinator of DBT Star College Scheme for the Botany Department. He welcomed the guests and thanked the Principal and President of the College. This was followed by a few encouraging words by the principal, Dr. Brijesh Kumar. Dr. Sarita Srivastava then gave a brief introduction of Dr. Sangeeta Srivastava and Dr. Ajay Pratap Singh, and highlighted the role of biotechnology and bioinformatics in present day research arena. Dr. Ajay Pratap Singh, Mitchell Cancer Institute, University of South Alabama, USA delivered the keynote lecture on “Biotechnology in Medicine” and the role of exosomes as an emerging tool for Cancer Diagnostics. Dr. Ajay Pratap Singh highlighted the role of biotechnology which has been recognized from ancient times, such as in preparations of curd, vinegar, bread, traditional medicines, etc, to modern times, i.e., development of vaccines, gene therapy, molecular breeding, stem cell therapy, tissue culture, tissue engineering and bio-printing. He told the audience about the importance of biotechnology in the development of diagnostic techniques (ELISA, RT-PCR, FISH), production of antibodies, role in COVID-19 testing. He then divulged the research being carried out in in laboratory on mechanisms underlying tumor progression and therapy resistance mechanism, tumor cell microenvironment/macroenvironment interaction. He elucidated the role of exosomes, microsomes, apoptotic bodies in development of diagnostic techniques (as a drug delivery vehicle) by testing the biomarkers that they carry, and role of exosomes in immunosuppression that is induced by chemotherapy. The vote of thanks for this session was proposed by Dr. Charu Tripathi.

After inaugural session, the first session of the workshop was initiated on DNA extraction from plant leaves. Dr. Uma Rani Agarwal, Departmental coordinator of DBT Star college Scheme for Zoology Department welcomed Er. Sujeet Kumar Singh of Cytogene Pvt Ltd. He gave an overview of all the topics that would be covered during the entire span of the workshop. He then handed over the session to Mr. Vishal Maurya who explained the process



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of DNA isolation and provided hands-on demonstration of the technique in a detailed and step-wise manner. He gave a demonstration of DNA isolation from plant leaves by using CTAB method. At the end of the session, the isolated DNA was dissolved in TE buffer and stored in refrigerator.

DNA extraction from Blood samples

After this Mr. Vishal Maurya demonstrated the step wise procedure of isolation of DNA from blood. For this he used unclotted blood in EDTA vials. TKM1 and TMK2 buffers were used for suspending the cells and anionic detergent SDS was used for rupturing WBCs and for protein denaturation. DNA was precipitated using Ethanol, dried and resuspended in TE buffer.

Agarose gel electrophoresis:

Agarose gel electrophoresis was performed on 0.8% agarose gel for both samples of DNA isolated. After this, the isolated DNA was visualized under UV light as a high molecular band at the top of the gel. The result was discussed.

**26<sup>th</sup> November, 2020**

The session started at 10 AM. A lecture was given by Dr. Spoorthy N Babu, VIT University, Tamil Nadu on PCR and its application. Dr. Babu discussed about the principle and applications of PCR. She also discussed about the variants of PCR that have found application in various areas. Dr. Babu also threw some light on the criteria that must be kept in mind when designing primers for PCR. The session was chaired by Dr. Neerja Kapoor and vote of thanks was proposed by Dr. Avinash Pratap Singh of Botany Department.

In the next session, polymerase chain reaction was discussed by Mr. Vishal Maurya. The interactive practical session dealt with all the theoretical as well as practical aspects of PCR.



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He explained the function of each and every reagent that must be added to PCR master mix, and in how much quantity. The preparation of master mix was then demonstrated. In this session, the technical details of thermal cycler were discussed, so that the students could understand how and why a particular gene is amplified. After this, Mr. Vishal Maurya discussed the variants and application of PCR, during the time when the PCR reaction was going on. After completion of the PCR reaction, the agarose gel electrophoresis was performed for the amplified gene.

**27<sup>th</sup> November 2020**

The third day of the workshop was initiated with a guest lecture on Microbiological Techniques by Dr. Hemant Sharma, Department of Biotechnology, Banasthali Vidyapeeth, Jaipur. This session was conducted by Dr. Sarita Srivastava and chaired by Dr. Alok Singh. Dr. Sharma's lecture was focused on the growth and isolation of microbes, different types of culture media, sterile culture techniques and key microbiological methods.

The next session was practical session which was conducted by Mr. Vishal Maurya. He explained why culture media is prepared and what are the components of Nutrient Agar media. Preparation of Culture media and sterilization by autoclave was demonstrated. The working of autoclave and its conditions were explained. The Nutrient Agar media was prepared and autoclaved. He gave a detailed demonstration of general protocol and safety measures to be followed during working in Laminar chambers, how to pour agar in petri dishes, how to open petri plates and how to store them for future use. He also explained the working of Laminar Air Flow cabinets. After this, Mr. Maurya explained how samples are serially diluted to obtain pure microbial colonies. He went on to demonstrate the process of serial dilution. After this, he demonstrated and explained the process of spreading the serially diluted samples on nutrient agar plates and kept the plates for incubation. Mr Maurya also explained the four quadrant streak plate method for culturing pure colonies of microbes and



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demonstrated it.

## 28<sup>th</sup> November, 2020

A guest lecture was delivered by Dr. Saurabh Pandey, Albert-Ludwigs University of Freiburg. The topic of the lecture was Application of Plant Biotechnology. The session was chaired by Dr. Sarita Srivastava. Dr. Pandey was instrumental in enlightening the audience about various advances in plant biotechnology such as tissue culture and use of genetic engineering for the production of sustainable plant varieties.

## 30<sup>th</sup> November, 2020

Report by Dr. Avinash

Staining Techniques: were demonstrated. This session was chaired by Dr. Pallavi Rai.

Gram staining and streaking

Antimicrobial Activity test:

Introduction to Bioinformatics:

Sequence retrieval, FASTA and BLAST

## 01<sup>st</sup> December, 2020

An online test of 30 minutes was conducted by Cytogene Pvt Ltd to check the progress of students. Guest lecture on Bioinformatics and Drug designing by Dr. Madhulika Singh, Director, CytoGene Research and Development, Lucknow. After this, Multiple Sequence Alignment (MSA), Phylogenetic tree construction and Drug designing Selection of target gene/protein and its sequence retrieval of target gene/protein using UniProt 3D protein structure visualization



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## Valedictory Session:

The Valedictory session was conducted by Dr. Prateek Srivastava of Botany Department

**REPORT on 7-day interdisciplinary Faculty Development Programme (FDP) on "Bioinformatics and Computational Biology: Introduction and Approaches" Jointly Organized by The Departments of Botany, Zoology and Chemistry, C.M.P. PG College, University of Allahabad in collaboration with Cytogene Research and Developments LPP Lucknow**

CHAUDHARY MAHADEV PRASAD DEGREE COLLEGE  
A Constituent PG College of University of Allahabad - Prayagraj-211001 U.P. INDIA

**DBT STAR COLLEGE**  
Inter-disciplinary Faculty Development Program  
Seven days E-Workshop on

"Bioinformatics and Computational Biology: Introduction and Approaches"  
9<sup>th</sup> December 2020 -15<sup>th</sup> December 2020  
"Under the strengthening component of DBT Star College Project"

Inaugural Program: 9<sup>th</sup> December 2020; 2:00 PM; Zoom Platform

**CHAIRPERSON**  
Prof. U.C. Lavana  
FNA, FNAScJ Professor Emeritus  
Department of Botany University of Lucknow  
Former Chief Scientist, CIMAP-CIR Lucknow

**Patron**  
Dr. Brijesh Kumar  
Principal

**Chief Patron**  
Ch. Jitendra Nath Singh  
Chairman Governing body  
President, KP Trust Prayagraj

**KEY NOTE SPEAKER**  
Dr. Mehar Hasan Asif  
Principal Scientist  
Molecular Biology and Biotechnology Division  
CSIR-National Botanical Research Institute-Lucknow

JOINTLY ORGANISED BY  
DEPARTMENTS OF BOTANY, ZOOLOGY & CHEMISTRY  
CHAUDHARY MAHADEV PRASAD DEGREE COLLEGE, PRAYAGRAJ

The departments of Botany, Zoology and Chemistry, CMP PG College, have jointly organized an interdisciplinary online FDP under the DBT star college scheme from 9th December 2020 to 15th December 2020.

The inaugural of the workshop was held on 9th December 2020 (Wednesday) from 2:00 PM onwards.

The major objective and aim of the FDP program are to give exposure to the faculties of different institutions to provide hands on training on various bioinformatics approaches through various tools and software. Today second day session was compered by Dr Sarita Srivastava, Coordinator-DBT Star College Project. Dr Kirti Raj Singh introduce the Key note speaker of the programme.

In the Inaugural session Principal, Dr. Brijesh Kumar, and Patron of the Programme welcomed the participant and guest the course. He also explained the significance and benefits of FDP. He also



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## C. M. P. DEGREE COLLEGE

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underlined the duties and responsibilities of teachers to update themselves in their areas of specialization. More than 200 faculties as well as research scholar from different department participated in this FDP from different part of countries.

The keynote address was delivered by Dr. Umashankar, Ex. Principal Scientist, Indian Institute Of Toxicology and Research, Lucknow on the topic "DNA Barcoding". He explains the basics of Barcoding and tell that Barcoding is a molecular tool for species identification and this can be done by a small fragment of DNA using PCR and other tools. He also explain the role of barcoding in biodiversity conservation. .

In the second session Er. Sujeet Kumar Singh and Dr. Madhulika Singh, Director of Cytogene Research and Development, Lucknow also gives the hands-on training of Bioinformatics on the topic "Homology Modelling, Active site Prediction and Ligand Dataset Preparation" to our participant.

Report on 3 Days National workshop on "Gene Cloning and its expressions to produce genetically modified organisms" from 13th to 15th September 2018 organized by Department of Botany in collaboration with Cytogene Research and Development LPP Lucknow





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The screenshot shows a Zoom meeting interface. At the top, there is a header with the Zoom Meeting title and a recording indicator. Below this, a grid of video thumbnails shows several participants, including Vinay Kumar Si..., Kamlesh Rani, Dr. MADHULIKA..., Dr. Deepak kum..., Sujet Kumar..., Dr. Uma Rani..., Pallavi Rai, Amit, Neerja Kapoor, and Coordinator C.M.P. DBT Star College. The main content area displays a presentation slide with the following text:

Bioinformatics is a field of study that uses computation to extract knowledge from biological data.

It includes the **collection, storage, retrieval, manipulation and modelling of data** for **analysis, visualization or prediction** through the development of algorithms and software.

At the bottom of the screen, a video feed of a participant is visible. The Zoom control bar at the very bottom shows options like Unmute, Start Video, Security, Participants (139), Chat, Share Screen, Pause/Stop Recording, and Reactions. The system tray at the bottom right shows the time as 2:27 PM on 12/9/2020.



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The image shows a Zoom meeting interface. The main window displays a presentation slide titled "Origin of DNA Barcoding". The slide content is as follows:

## Origin of DNA Barcoding

Paul Hebert -coined the term DNA barcode

In 2003, Prof. **Paul Hebert** from the University of Guelph, Canada proposed the use of DNA barcodes.

He proposed that a short DNA sequence from a gene found in all animals can be used to identify species because in each species the sequence varies slightly.

A small photo of Paul Hebert is shown in the bottom right corner of the slide.

The Zoom interface also shows a list of participants on the right side:

- VK Vanchhit kesharwani
- VS Vasundhara Singh
- VS Vibha Shukla
- VK Vijay Kumar Patel
- VT Vikas Tiwari
- V VishalSingh
- Anuradha Singh
- ASHWANI SHARMA
- DS Deepa Srivastava
- MZ Mohd Zaheeruddin Beg
- Nidhi Mishra
- R Ritu Ravi
- SS Sadhana singh
- Seraj Ahmad

The Zoom meeting controls at the bottom show that the meeting is recording, and the current view is of Dr. Uma Shankar's screen. The system tray at the bottom indicates the time is 2:25 PM on 12/9/2020.



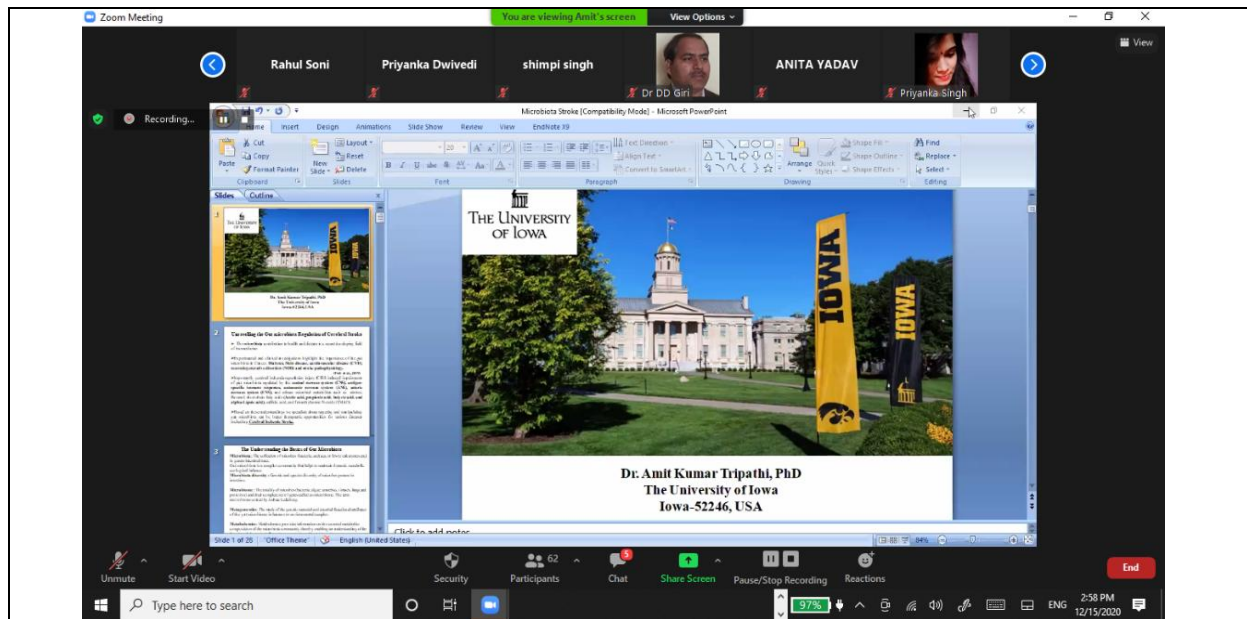
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**CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE**  
A Constituent PG College of University of Allahabad – Prayagraj-211001 U.P. INDIA

**DBT STAR COLLEGE**  
Inter-disciplinary Faculty Development Program  
Seven days E-Workshop on

**“Bioinformatics and Computational Biology: Introduction and Approaches”**  
9<sup>th</sup> December 2020 -15<sup>th</sup> December 2020  
“Under the strengthening component of DBT Star College Project”

**VALEDICTORY FUNCTION**  
15<sup>th</sup> December 2020; 4:00 PM; Zoom Platform  
Join Zoom Meeting: Meeting ID: 674 439 6668 Passcode: 5Wcuei

**Patron**  
**Dr. Brijesh Kumar**  
Principal

**Chief Guest**  
**Prof. Sangeeta Srivastava**  
Hon'ble Vice Chancellor  
University of Allahabad

**PROGRAM COORDINATOR**  
**Dr. Sarita Srivastava**  
Coordinator - DBT Star College Project  
Associate Professor, Department of Botany  
Chaudhary Mahadeo Prasad Degree College  
University of Allahabad, Prayagraj  
Ph: 9335530055 Email: cmpdbtstar03@gmail.com

**Guest Of Honor**  
**Ch. Raghvenrda Nath Singh**  
Vice President, KP Trust  
Prayagraj

JOINTLY ORGANISED BY  
DEPARTMENTS OF BOTANY, ZOOLOGY & CHEMISTRY  
**CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE, PRAYAGRAJ**



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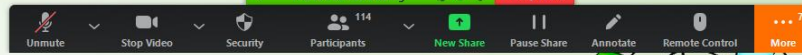


## Words by the Chief Guest



**Prof Sangeeta Srivastava**

Hon'ble Vice Chancellor





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2020



MEMORANDUM OF UNDERSTANDING

BETWEEN

CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE, PRAYAGRAJ  
INDIA

&

VIJNANA PARISHAD PRAYAG, PRAYAGRAJ, INDIA

ON

PARTNERSHIP FOR JOINT CAPACITY BUILDING, KNOWLEDGE EXCHANGE  
PROGRAM AND INTER-INSTITUTIONAL ACTIVITIES



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## Authorized Signatories

Each party/ institution represents that the individuals signing this memorandum of understanding have the authority to sign on its behalf in the capacity indicated.

IN WITNESS whereof the undersigned, being duly authorized thereto, have on behalf of the parties hereto signed the present Memorandum of Understanding at the place and on the day stipulated below

Vijnana Parishad, Prayagraj

Chaudhary Mahadeo Prasad Degree College

Signature: Shiv Gopal Mishra

Signature: Brijesh Kumar

Name: Prof. Shiv Gopal Mishra

Name: Dr. Brijesh Kumar

Title: Pradhanmantri

Title: Principal

Date: 8.11.2020

Date: 8 Nov 2020



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## रिपोर्ट 'विज्ञान सर्वत्र पूज्यते'

ऋतु रवि  
शोध छात्र

आज़ादी का अमृत महोत्सव के अंतर्गत, प्रमुख वैज्ञानिक सलाहकार के कार्यालय और संस्कृति मंत्रालय, भारत सरकार ने 22 से 28 फरवरी, 2022 के दौरान विज्ञान और प्रौद्योगिकी के गौरवशाली सप्ताह के रूप में मनाने की योजना बनाई, जिसका शीर्षक 'विज्ञान सर्वत्र पूज्यते' (विज्ञान और प्रौद्योगिकी सर्वत्र पूज्यन्तीव) रखा।

इस गौरवशाली सप्ताह की शुरुआत 22 फरवरी के भव्य उद्घाटन कार्यक्रम से हुई और 28 फरवरी को नई दिल्ली में भव्य समापन के साथ समाप्त हुआ।

विज्ञान परिषद, प्रयाग के तत्वावधान में 22 फरवरी, 2022 को विज्ञान प्रसार, विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार, संस्कृति मंत्रालय, भारत सरकार तथा प्रधान वैज्ञानिक सलाहकार कार्यालय द्वारा संयुक्त रूप से प्रायोजित विज्ञान सप्ताह 'विज्ञान सर्वत्र पूज्यते' कार्यक्रम का उद्घाटन संपन्न हुआ।

विज्ञान सप्ताह कार्यक्रम 'विज्ञान सर्वत्र पूज्यते' के दूसरे दिन 23 फरवरी, 2022 को पूर्वाह्न में अनेक विद्यालयों के हज़ारों छात्र छात्राओं एवं उनके शिक्षकों ने विज्ञान परिषद प्रांगण में प्रदर्शित पोस्टर प्रदर्शनी, पुस्तक मेले तथा विज्ञान फिल्मों का अवलोकन किया।

विज्ञान सप्ताह कार्यक्रम के तीसरे दिन, 24 फरवरी, 2022 को पूर्वाह्न में विभिन्न विद्यालयों एवं कॉलेजों के छात्र-छात्राओं ने पोस्टर प्रतियोगिता में प्रतिभागिता की। इसमें सीएमपी डिग्री कॉलेज के शोध छात्र सिद्धार्थ अग्रवाल, साक्षी सिंह, श्वेता जायसवाल, आफरीन फातिमा, अपूर्वा सिंह परिहार, सेराज अहमद, सदानंद यादव एवं कन्हैयालाल भी प्रतिभागी रहे। डॉ.सुनंदा दास, डॉ.अकरम अली, डॉ. विशाल श्रीवास्तव और डॉ. रुपाली मिश्रा ने निर्णायक की भूमिका निभाई।

इसके पश्चात अपराह्न में सीएमपी डिग्री कॉलेज की रसायन विज्ञान की एसोसिएट प्रोफेसर डॉ. अर्चना पांडेय ने भारत की विशिष्ट महिला वैज्ञानिकों के जीवन की महत्वपूर्ण घटनाओं और संघर्षों के बारे में व्याख्यान दिया।

विज्ञान सप्ताह कार्यक्रम 'विज्ञान सर्वत्र पूज्यते' के चौथे दिन, 25 फरवरी, 2022 को पूर्वाह्न में स्कूली बच्चों की निबंध प्रतियोगिता आयोजित की गयी। जिसमें विभिन्न स्कूलों के 35 प्रतिभागियों ने भाग लिया। इस प्रतियोगिता में सीएमपी डिग्री कॉलेज के शोध छात्र अरवनी शर्मा भी प्रतिभागी रहे, जिन्होंने निबंध प्रतियोगिता में द्वितीय स्थान प्राप्त हुआ। श्रीमती राधिका मिश्रा, डॉ. बबिता अग्रवाल, डॉ.दीपाञ्जलि पांडेय और हिमानी चौरसिया निबंध प्रतियोगिता के निर्णायक रहे।

विज्ञान सप्ताह कार्यक्रम के पाँचवें दिन, 26 फरवरी, 2022 को पूर्वाह्न में स्कूली बच्चों की भाषण प्रतियोगिता का आयोजन किया गया, जिसमें विभिन्न विद्यालयों के लगभग 45 छात्रों ने भाग लिया। डॉ.मीना राय, डॉ.अनिल शुक्ला,



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डॉ. संतोष श्रीवास्तव तथा डॉ. दुर्गेशा नंदिनी घोस्वामी ने इस प्रतियोगिता में निर्णायक की भूमिका निभाई।

विज्ञान सप्ताह कार्यक्रम, "विज्ञान सर्वत्र पूज्यते" के सातवें एवं अंतिम दिन, 28 फरवरी, 2022 को विज्ञान सप्ताह की अंतर्गत आयोजित पोस्टर, निबंध एवं भाषण प्रतियोगिता के विजेताओं को पुरस्कार वितरित किया गया तथा स्वयंसेवकों एवं आयोजन समिति के सदस्यों को सम्मानित किया गया।

विज्ञान परिषद्, प्रयाग के तत्त्वधान में आयोजित विज्ञान सप्ताह कार्यक्रम "विज्ञान सर्वत्र पूज्यते" को सर्वतोभान संपन्न बनाने में स्वयंसेवकों ने अपना सम्पूर्ण योगदान दिया। कार्यक्रम के आरम्भ होने से पूर्व तथा कार्यक्रम के आरम्भ से लेकर समापन तक स्वयंसेवकों ने विभिन्न तरह के कार्य किये।

स्वयंसेवकों के इस निस्वार्थ योगदान के कारण ही यह सात दिवसीय कार्यक्रम बिना किसी अवरोधन के सहज भाव से संपन्न हो सका। ये स्वयंसेवक सीएमपी डिग्री कॉलेज के शोधछात्र रहें, जिनके नाम क्रमशः हैं – आफरीन फातिमा, आकांक्षा करयप, अमित जायसवाल, अनिल कुमार पाल, अपूर्वा सिंह परिहार, अश्वनी शर्मा, चेवांशी श्रीवास्तव, गरिमा, कन्हैयालाल, कुलदीप मिश्रा, मनोज कुमार, मनोज शुक्ला, मोहम्मद जहीरुद्दीन बेग, निवेदिता श्रीवास्तव, प्रगति, रौरान कुमार, ऋतु रवि, रोहित कुमार, सदानंद यादव, साक्षी सिंह, सेराज अहमद, शिवानी पांडेय, श्रद्धा तिवारी, श्वेता जायसवाल एवं सिद्धार्थ अग्रवाल।



अंततः विभिन्न अतिथियों, छात्र-छात्राओं, शिक्षकों, स्वयंसेवकों, आयोजित समिति के सदस्यों एवं विज्ञान परिषद्, प्रयाग के सदस्यों के निस्वार्थ योगदान से ही आकांक्षी के अमृत महोत्सव के अंतर्गत, विज्ञान और प्रौद्योगिकी का गौरवशाली पर्व "विज्ञान सर्वत्र पूज्यते" का सप्ताहदिवसीय कार्यक्रम विधिवत संपन्न हो सका।





# चौधरी महादेव प्रसाद महाविद्यालय

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2021



सत्यमेव जयते

INDIA NON JUDICIAL  
Government of Uttar Pradesh



e-Stamp

Certificate No.	: IN-UP24045402379824T
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Account Reference	: NEWIMPACC (SV)/ up14164604/ LUCKNOW SADAR/ UP-LKN
Unique Doc. Reference	: SUBIN-UPUP1416460440668131856510T
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Second Party	: Not Applicable
Stamp Duty Paid By	: UPTEC COMPUTER CONSULTANCY LTD
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



-----Please write or type below this line-----

THIS AGREEMENT made on this 15<sup>th</sup> day of January, 2021 BETWEEN C.M.P Degree College, Prayagraj constituent college of University of Allahabad, situated at Prayagraj through its Chairman, Governing body, Choudhary Jitendra Nath Singh and Principal (Dr. Jyoti Kishor Kumar), who is duly authorized to sign this Agreement, hereinafter referred to as the Institute (whose expression shall unless otherwise repugnant to the context or meaning thereof be deemed to include its successors, executors, administrators or assigns) of the FIRST PARTY, UPTEC COMPUTER CONSULTANCY LTD, promoted as a Joint Venture Company by 42% promoters to the Government of Uttar Pradesh and incorporated under the Companies Act, 1956, having its registered office at its main branch office, Lucknow, and of which Dr. Jyoti Kishor Kumar is the present administrator of the company, on the one hand and the Government of Uttar Pradesh, on the other hand.

Page 1 of 1

यह दस्तावेज़ ई-स्टैम्पिंग प्रणाली के माध्यम से उत्तर प्रदेश सरकार द्वारा जारी किया गया है।



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### ANNEXURE 3

#### SERVICES TO BE PROVIDED BY UPTEC

1. To assist/ provide consultancy for establishing the Class / Lab facility for the courses.
2. To assist in implementation and successful running of the program at the Institute.
3. To assist in course/program promotion in the Institute.
4. To provide the faculty for conducting the course except Computer awareness module.
5. To facilitate examination registration of the participants enrolled for the Programmes after completion of the Programme and completion of necessary formalities including payment of examination fees etc.
6. To issue Certificates after completion of the course/Examination to the students duly signed by UPTEC. UPTEC shall also help in getting the Certificate issued From NIELIT directly to the students who have enrolled for the courses of NIELIT.

*Brijesh Kumar*  
12.1.2021  
Principal  
C.M.P. Degree College  
Allahabad

*Ramp*  
Dr. R K Jaiswal  
Executive Director & CEO  
UPTEC Computer Consultancy Limited



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## डिप्लोमा इन कंप्यूटराइज्ड अकाउंटिंग

डिप्लोमा इन कंप्यूटराइज्ड अकाउंटिंग जिस कोर्स का संचालन भारत के प्रमुख कंप्यूटर संस्थान यूपीटेक और सीएमपी कॉलेज के मध्य एक एम0 ओ0 यू0 के द्वारा संचालित किया जा रहा है। जिसका प्रारंभ 15 मार्च 2021 से हुआ था जिसमें कुल 30 विद्यार्थियों ने प्रवेश लिया एवं यह 6 माह का कोर्स है जिसका समापन 30 सितंबर 2021 को हुआ। प्रथम बैच का संचालन ऑनलाइन मोड में किया गया। जिसमें प्रथम 3 माह कंप्यूटर से संबंधित प्रारंभिक जानकारी दी गई एवं बाद के 3 माह में कंप्यूटर पर एकाउंटिंग कैसे किया जाता है इसको सिखाया गया जिसके अंतर्गत टैली सॉफ्टवेयर पर विद्यार्थियों को एकाउंटिंग करना सिखाया गया।

The screenshot displays a digital textbook page with a table of transactions and a ledger for the month of April. The table lists transactions from April 15 to April 30, including payments, purchases, insurance, and cash receipts. Below the table, a solution is provided in the form of a ledger titled "Books of TIM Enterprises for the month of April".

Date (2017)	Particulars	L.F.	Debit	Credit
Apr. 15	Sheenidhi pays ₹ 12,000 cash			
Apr. 16	Goods purchased for ₹ 16,000 on credit from Neetu			
Apr. 18	Insurance paid by cheque ₹ 8,000			
Apr. 19	Paid ₹ 4,000 towards rent by cash			
Apr. 20	Payment made to Suraj for ₹ 10,000 and discount received for ₹ 1,000			
Apr. 30	Cash of ₹ 30,000 was received from Sohan and discount allowed for ₹ 3,000			

**Solution:**

Books of TIM Enterprises for the month of April				
Date (2017)	Particulars	L.F.	Debit	Credit
Apr. 1	Cash A/c To Capital A/c (Business started with cash)	Dr.	5,00,000	5,00,000
Apr. 2	Purchases A/c To Mohan A/c (Goods purchased on credit)	Dr.	40,000	40,000
Apr. 4	Stationery A/c To Cash A/c (Purchase of stationery for cash)	Dr.	2,000	2,000
Apr. 5	UTI Bank A/c To Cash A/c (Opened a bank account with: UTI Bank)	Dr.	50,000	50,000



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### Online Class of DCAC Courses using Tally taken by Shilpi Ma'am from UPTECH

The screenshot shows a web browser displaying a journal entry problem from Brainkart.com. The problem is dated January and lists 10 transactions. A 'Solution' section is visible below the problem, followed by the heading 'In the books of Jeyaseeli Journal entries'. On the right side of the browser window, a 'Participants (23)' list is open, showing names such as Shilpi Khare, Abeer Dwivedi, Adarsh Dwivedi, Arni Sharma, Anchal Singh, Aryan Gupta, Ashish Jaiswal, Avenish Kumar Verma, Avinash Kumar Verma, AVIRAL AGARWAL, Manish yadav, and Muhammad Najmus Saquib. The Windows taskbar at the bottom shows the date as 5/24/2021 and the time as 9:49 AM.

Jan.	Rs.	
1	Commenced business with cash	80,000
2	Deposited cash with bank	40,000
3	Purchased goods by paying cash	5,000
4	Purchased goods from Lipton & Co. on credit	10,000
5	Sold goods to Joy and received cash	11,000
6	Paid salaries by cash	5,000
7	Paid Lipton & Co. by cheque for the purchases made on 4th Jan.	
8	Bought furniture by cash	4,000
9	Paid electricity charges by cash	1,000
10	Bank paid insurance premium on furniture as per standing instructions	300

**Solution**

**In the books of Jeyaseeli**  
**Journal entries**

### Online Class of DCAC Courses using Tally taken by Shilpi Ma'am from UPTECH

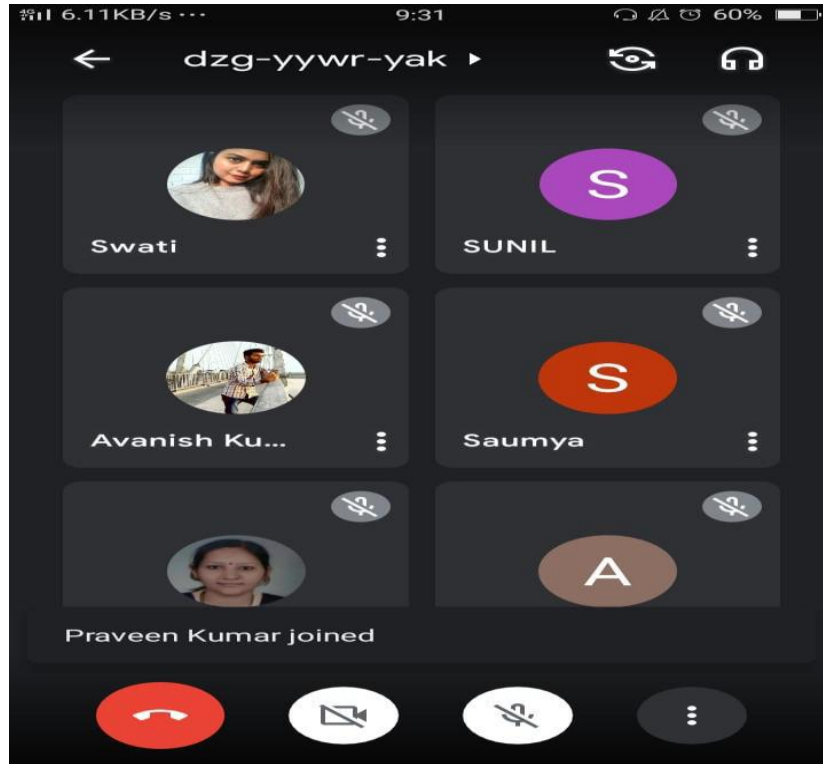


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Jan. Rs.

1. Commenced business with cash	90,000	
2. Deposited cash with bank	40,000	
3. Purchased goods by paying cash	5,000	
4. Purchased goods from Lipton & Co. on credit		10,000
5. Sold goods to Joy and received cash	11,000	
6. Paid salaries by cash	5,000	
7. Paid Lipton & Co. by cheque for the purchases made on 4th Jan.		
8. Bought furniture by cash	4,000	
9. Paid electricity charges by cash	1,000	
10. Bank paid insurance premium on furniture as per standing instructions		300

**Solution**

In the books of Jeyaseeli  
Journal entries

Participants (23)

- Shilpi Khare
- Abeer Dwivedi
- Adarsh Dwivedi
- Anil Sharma
- Anchal Singh
- Aryan Gupta
- Ashish Jaiswal
- Avenish Kumar Verma
- AVIRAL AGARWAL
- Manish yadav
- Muhammed Najmus Saquib

Online Class of DCAC Courses using Tally taken by Shilpi Ma'am from UPTECH



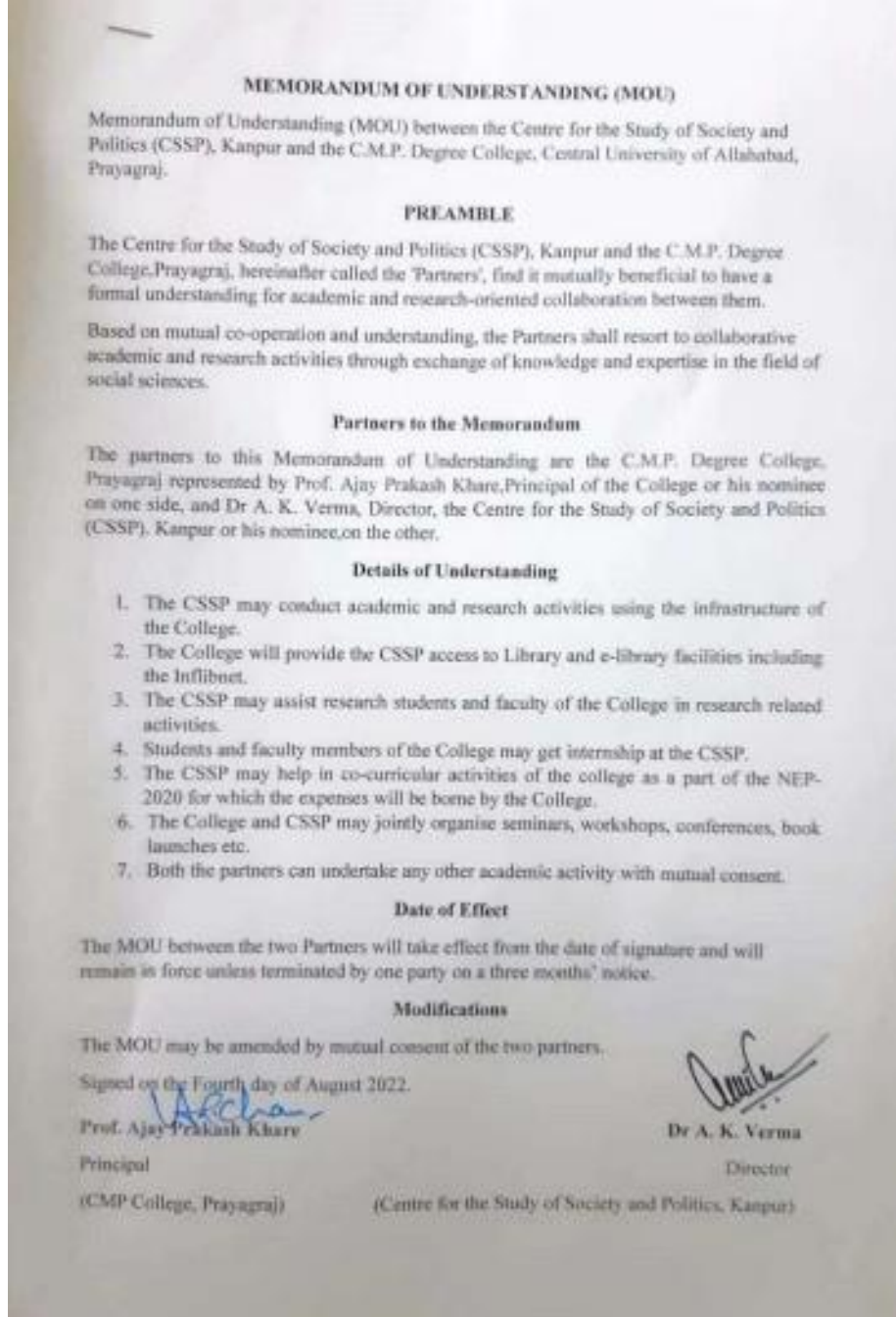
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2022





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## "रीविजिटिंग डेमोक्रेसी डिप्लोमेसी एंड डेवलपमेंट ऑफ इंडिया@75" विषय पर राष्ट्रीय संगोष्ठी का सफल आयोजन

आजादी के अमृत महोत्सव वर्ष की स्मृति में राजनीति विज्ञान विभाग, सी.एम.पी. डिग्री कॉलेज, प्रयागराज और सेंटर फॉर दी स्टडी ऑफ सोसाइटी एण्ड पॉलिटिक्स (सी.एस.एस.पी.), कानपुर के संयुक्त तत्वाधान में दिनांक 5 अगस्त 2022 "रीविजिटिंग डेमोक्रेसी डिप्लोमेसी एंड डेवलपमेंट ऑफ इंडिया@75" विषय पर एक राष्ट्रीय संगोष्ठी का सफल आयोजन किया गया। इस संगोष्ठी के उद्घाटन सत्र में मुख्य अतिथि प्रोफेसर पंकज कुमार, डीन, कॉलेज डेवलपमेंट और अध्यक्ष, राजनीति विज्ञान विभाग, इलाहाबाद विश्वविद्यालय, और विशिष्ट अतिथि प्रोफेसर अनिल कुमार वर्मा, निदेशक सी.एस.एस.पी., कानपुर थे। संगोष्ठी के उद्घाटन सत्र में मुख्य वक्ता प्रोफेसर संजय श्रीवास्तव, राजनीति विज्ञान विभाग, काशी हिन्दू विश्वविद्यालय और विशिष्ट व्यक्त प्रोफेसर रिपु सूदन सिंह, अध्यक्ष, लोक प्रशासन विभाग, बाबासाहेब भीमराव अम्बेडकर केन्द्रीय विश्वविद्यालय, लखनऊ थे। सत्र की अध्यक्षता और अतिथियों का स्वागत कॉलेज के प्राचार्य प्रोफेसर अजय प्रकाश खरे ने किया। उद्घाटन सत्र में राष्ट्रीय संगोष्ठी के संयोजक डॉ गोविंद गौरव ने संगोष्ठी की संकल्पना प्रस्तुत की और संगोष्ठी के विषय और उसकी रूपरेखा पर प्रकाश डाला। कार्यक्रम में मुख्य अतिथियों के द्वारा संगोष्ठी की स्मारिका का विमोचन किया गया जिसमें 97 चयनित सारांशिकाओं को प्रकाशित किया गया।

उद्घाटन सत्र को संबोधित करते हुए प्रोफेसर पंकज कुमार ने लोकतंत्र के पुनर्मूल्यांकन की आवश्यकता और भारत में लोकतंत्र के समृद्ध इतिहास का विश्लेषण प्रस्तुत किया। इसी चर्चा को आगे बढ़ाते प्रोफेसर अनिल कुमार वर्मा ने लोकतंत्र और चुनावी राजनीति के निहितार्थ को स्पष्ट किया और सेंटर फॉर थे स्टडी ऑफ डेवलपिंग सोसाइटी के फेलो के रूप में किए गए अपने कार्यों और अनुभव को भी साझा किया। मुख्य व्यक्त प्रोफेसर संजय कुमार ने "मैपिंग इंडियन डिप्लोमेसी@75" विषय पर संगोष्ठी को संबोधित किया और बताया कि भारतीय कूटनीति की शुरुवात भारत के विदेश मंत्री ने नहीं बल्कि गृह मंत्री सरदार पटेल रियासतों के एकीकरण की सशक्त नीति और कार्यवाही से की थी। विशिष्ट व्यक्त प्रोफेसर रिपुसूदन सिंह ने 5 ट्रिलियन डॉलर की अर्थव्यवस्था का लक्ष्य, भारत में विकास और लोकतंत्र की चुनौतियां विषय पर प्रकाश डाला। इस सत्र में डॉ अनिल कुमार वर्मा की पुस्तक ए ग्रामर ऑफ पॉलिटिक्स और कॉलेज के रसायन विज्ञान विभाग की पुस्तक कोरोना: एक महामारी के अतिरिक्त डॉ गोविन्द गौरव और डॉ



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अरुण कुमार वर्मा के सम्पादन में आने वाली पुस्तक “इंडिया@75: डेमोक्रेसी, डिप्लोमेसी एण्ड डेवलपमेंट” के आवरण पृष्ठ का भी विमोचन हुआ।

इसके पश्चात तीन तकनीकी सत्रों में कुल 70 शोध पत्रों का प्रस्तुतीकरण किया गया। इन सत्रों की अध्यक्षता डॉ नीलिमा सिंह, डॉ शिव हर्ष सिंह और डॉ संघ सेन सिंह ने की। डॉ हिमांशु यादव, डॉ अतुल कुमार वर्मा और डॉ अखिलेश पाल क्रमशः इन तकनीकी सत्रों के सह-अध्यक्ष रहे। सत्र के अंत में तीन सर्वश्रेष्ठ पत्रों को प्रस्तुत करने वाले शोधार्थियों को पुरस्कृत भी किया गया।

संगोष्ठी के समापन सत्र में मुख्य अतिथि जी बी पंत सोशल साइंस इंस्टिट्यूट के निदेशक प्रोफेसर बट्टी नारायण और विशिष्ट अतिथि लखनऊ विश्वविद्यालय के राजनीति विज्ञान विभाग के पूर्व अध्यक्ष प्रोफेसर आर के मिश्र थे। इस सत्र की मुख्य वक्ता प्रोफेसर अनुराधा अग्रवाल, निदेशक, महिला अध्ययन केंद्र, इलाहाबाद विश्वविद्यालय ने भर में राजनीतिक विकास और लोकतान्त्रिक विमर्श को उठाया। वहीं विशिष्ट व्यक्ता जवाहर लाल नेहरू विश्वविद्यालय के डॉ अभिषेक श्रीवास्तव ने भारत की अंतर्राष्ट्रीय साझेदारी और वैश्विक स्तर पर उसकी नेतृत्व कुशलता, विशेषकर कोविड काल का वृहद विश्लेषण प्रस्तुत किया।

सत्र के अंत में संयोजक डॉ गोविन्द गौरव ने संगोष्ठी की रिपोर्ट प्रस्तुत की और बताया कि इस राष्ट्रीय संगोष्ठी में भारत के दस राज्यों और 24 विश्वविद्यालयों से लगभग 200 शिक्षकों और शोधार्थियों ने अपने शोध पत्र प्रेषित किए जिनमें से समीक्षा के पश्चात 97 का प्रकाशन और तकनीकी सत्र में 70 का प्रस्तुतीकरण हुआ। इस तरह यह राष्ट्रीय संगोष्ठी अपने उद्देश्य को सफलतापूर्वक प्राप्त करने में सफल रही।

कार्यक्रम के अंत में आयोजन सचिव डॉ अरुण कुमार वर्मा ने धन्यवाद ज्ञापन किया और इसका संचालन राजनीति विज्ञान विभाग के छात्र भार्गव कुमार ने किया। इस राष्ट्रीय संगोष्ठी में बड़ी संख्या में शिक्षकों और छात्रों की उपस्थिति रही। राजनीति विज्ञान विभाग के शोधार्थियों और परास्नातक छात्र-छात्राओं ने इस संगोष्ठी को सफल बनाने में पूरी तन्मयता से अपना योगदान दिया।





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का उद्घाटन सत्र



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सत्र की अध्यक्षता और अतिथियों का स्वागत कॉलेज के प्राचार्य प्रोफेसर अजय प्रकाश खरे ने  
किया



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कार्यक्रम में मुख्य अतिथियों के द्वारा संगोष्ठी की स्मारिका का विमोचन किया गया



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## MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

**C.M.P. Degree College, Prayagraj**

&

**Trivenika Sanskrit Parishad, Prayagraj**



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## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into 17th June 2022,

### BETWEEN

C.M.P. Degree College, Prayagraj represented herein by its Prof. Ajay Prakash Khare (Principal, C.M.P. Degree College, Prayagraj) (hereinafter referred as 'First Party', the academic institution which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assigns).

### AND

Trivenka Sanskrit Parishad Prayagraj (Reg. No. 905/2011-12) and represented herein by its Prof. Anand Kumar Srivastava (President) (hereinafter referred to as 'Second Party', registered society which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party').



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AGREED:

For C.M.P. Degree College,  
Prayagraj, U.P.

For Trivenika Sanskrit Parishad  
Prayagraj U.P.

Authorised Signatory



Authorised Signatory

First Party: Prof. Ajay Prakash Khare, Principal, C.M.P. Degree College, Prayagraj	
Name of Institution	C.M.P. Degree College
Address	Prayagraj, Uttar Pradesh 211002
Contact Details	+91-9575683583
E-mails	Khare.7666@gmail.com
Web	<a href="http://www.cmpcollege.com">www.cmpcollege.com</a>

Second Party: Prof. Anand Kumar Srivastava, President, Trivenika Sanskrit Parishad, Prayagraj, U.P.

Name of Institution	Trivenika Sanskrit Parishad, Prayagraj, U.P.
Address	403, New Mumfordganj Prayagraj, U.P (211002)
Contact Details	+91-9415235638; +91-7007254092
E-mails	<a href="mailto:spinghsanskrit@gmail.com">spinghsanskrit@gmail.com</a>

Witness 1:



Witness 2:

DR. MANOJ KUMAR  
Assistant Professor (Sanskrit)  
C.M.P. Degree College, Prayagraj, U.P.

Witness 3:

Dr. SATYA PRAKASH SRIVASTAVA  
Assistant Professor (Sanskrit)  
C.M.P. Degree College, Prayagraj, U.P.

Witness 4:

DR. VIJAY BHADUR  
Assistant Professor (Sanskrit)  
C.M.P. Degree College, Prayagraj, U.P.



# 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](http://www.cmpcollege.ac.in)

## Three days inter-Collegiate competition

Department of Sanskrit conducts three days inter collegiate competition every year, in which many students of UG and PG of the various degree colleges and University take Participation. There are many competitions held like Shastrarth, Shalaka Pariksha on Srimadbhagavadgeeta, Shloka competition, General knowledge, Samuh Geet etc. On the third day the winners of the Shastrarth (UG and PG both) are awarded **Trivenika Gaurav Sammam** with angvastram, shreefal and certificates. More than 75 students participate in this event every year.

The winners are as follow-

### Session- 2019-20

Nitin Tripathi (UG)  
Bhaskar Mishra (PG)

### Session- 2020-21

Ritik Tripathi (UG)  
Rama Nupane (PG)

### Session- 2021-22

Divya Sri Tripathi (UG)  
Vimal Pathak (PG)

### Session- 2022-23

Krishna Bihari Dube (UG)  
Manish Kumar (PG)

## Shastrartha

It's an Ancient Rishi parampara based event, in which the Participant asks the questions with other participants and the cross questioning going on until the judges are satisfied. Thus, the participants get the true knowledge of that particular subject. In the end, the participant who satisfied everyone, declared as a winner. The winner is honoured with the prestigious **Trivenika Gaurav Samman** with Shreefal, Angvastram and certificate.



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Picture of the students and Faculty Members during shastrarth





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## विमल और दिव्या को त्रिवेणिका गौरव सम्मान

प्रयागराज। त्रिवेणिका संस्कृत परिषद, संस्कृत भारती तथा सीएमपी महाविद्यालय के संयुक्त तत्वावधान में चल रहे तीन दिवसीय 'त्रिवेणिका संस्कृत' समारोह के अंतिम दिन गीता पर आधारित श्लाका परीक्षा में सीएमपी महाविद्यालय के निशांतधर तिवारी ने प्रथम स्थान, इविवि के रिशेश कुमार ने द्वितीय तथा ईसीसी के देवेश द्विवेदी तथा सीएमपी के अभय कुमार मिश्र ने संयुक्त रूप से तृतीय स्थान प्राप्त किया। समूह गीत प्रतियोगिता में इविवि ने प्रथम, जगत तारन महाविद्यालय ने द्वितीय तथा ईश्वर शरण महाविद्यालय ने तृतीय स्थान प्राप्त किया है। समापन समारोह के मुख्य अतिथि राष्ट्रीय संस्कृत विश्वविद्यालय के प्रोफेसर जनार्दन पांडेय मणि ने परास्नातक



### तीन दिवसीय 'त्रिवेणिका संस्कृत' समारोह का समापन

शास्त्रार्थ विजेता इविवि के विमल पाठक तथा स्नातक शास्त्रार्थ विजेता सीएमपी महाविद्यालय की दिव्या त्रिपाठी को 'त्रिवेणिका गौरव' सम्मान पत्र प्रदान किया। मुख्य अतिथि ने उत्कृष्ट प्रदर्शन करने वाले

सभी विजेताओं को प्रमाण पत्र एवं अधिकाधिक अध्ययन हेतु प्रेरित किया। प्रतियोगिताओं में निर्णायक की भूमिका में डॉ. अर्चना सिंह, डॉ. प्रतिभा आर्या, डॉ. अरविंद सिंह, डॉ. सोनमती पटेल, डॉ. प्रचेतस शास्त्री, डॉ. रेखा मल्ल मौजूद रहीं। त्रिवेणिका संस्कृत परिषद के सचिव तथा संस्कृत विभागाध्यक्ष डॉ. सुरेंद्र पाल सिंह ने मुख्य अतिथि, निर्णायकों तथा सभी प्रतिभागियों का स्वागत एवं डॉ. अर्चना सिंह ने अध्यक्षीय उद्बोधन दिया। संचालन डॉ. सत्य प्रकाश श्रीवास्तव तथा डॉ. दीप्ति विष्णु ने धन्यवाद ज्ञापित किया। समारोह में डॉ. भानु प्रकाश त्रिपाठी, डॉ. किरन वर्मा, डॉ. मनोज कुमार, डॉ. शारदा पाठक आदि उपस्थित रहे। ब्यूरो



News coverage and winner students honored by various respected scholars



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**Group Photo Session on the occasion of Validictory Ceremony**



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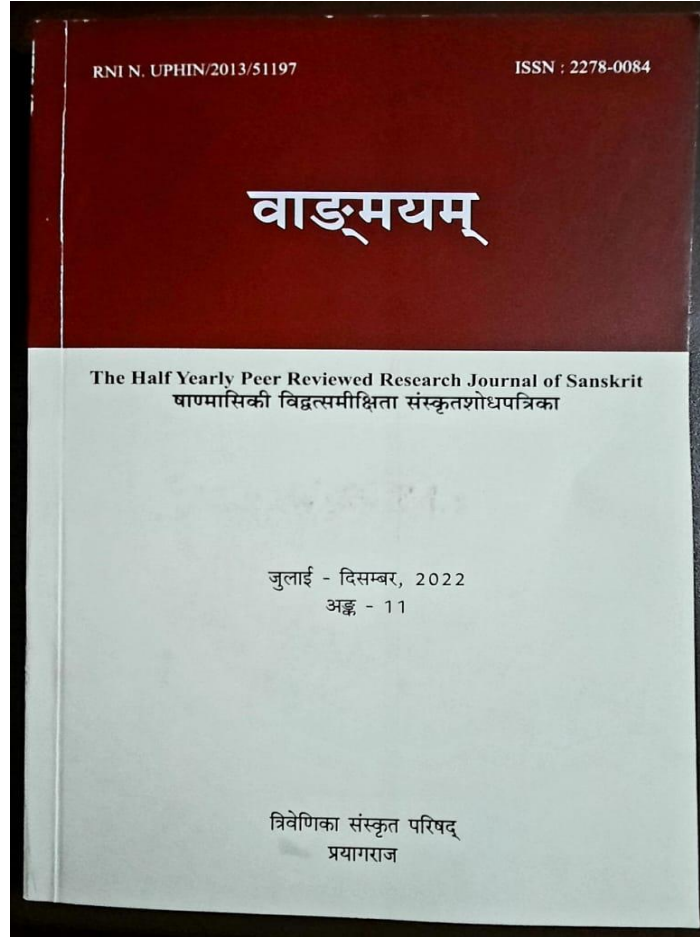


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## Publication of Research Journal

Department of Sanskrit, C.M.P. College publishes a Half yearly Peer Reviewed Research Journal of Sanskrit '**Vangmayam**' in order of its research activities, in which research papers written in Sanskrit, Hindi and English languages by various scholars from India and abroad are published. All the faculty members of the Sanskrit Department ensure the quality of the research journal in the form of an editorial board.



Departmental Research Journal



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## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as the "MOU") is made and executed on this 7th day of August 2022 at Pune.

BETWEEN

Chowdhary Mahadev Prasad Degree (C. M.P.) College, a college/Institute recognized under Section 2(f) and 12 (B) of the UGC Act 1956 and having address at: Mahatma Gandhi Marg, George Town, Prayagraj, 211002, Uttar Pradesh, India

Through its Principal

(hereinafter referred to as "PARTNER INSTITUTE")



1





# चौधरी महादेव प्रसाद महाविद्यालय C. M. P. DEGREE COLLEGE (A Constituent P.G. College, University of Allahabad)



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- iii. If for any reason, FINSERV, decides to discontinue support for CPBFI, it shall give a written notice to the PARTNER INSTITUTE, 30 days in advance. Such notice shall not impact any batch which is already in progress on the date of notice and the terms of this MOU shall continue to apply to the running batches.

#### 16. Amendment/Termination:

- Any amendment to the terms of this MOU can only be made by mutual consent of the parties.
- This MOU may be terminated by either party, for breach of terms and conditions of the present MOU or otherwise, by a written notice of at least one (1) month in advance. Such notice of termination shall not interfere with the batches underway at the relevant time. Such batches shall be allowed to continue until their conclusion.
- Both the parties agree that Finserv shall have the right of terminating this MOU without any notice to the PARTNER INSTITUTE, if the PARTNER INSTITUTE charges a fee exceeding the amount prescribed under Clause 6(i) of this MOU. In such event, the batches underway at the relevant time, may also be terminated by FINSERV, unless the PARTNER INSTITUTE refunds the excess fee charged to every student of the batch.

#### 17. Applicable Law and Dispute Settlement:

- This MOU shall be governed by the Laws of India.
- Any dispute arising between the parties in connection with or arising out of the performance of mutual obligations under this MOU shall be resolved by mutual discussion and consultation. If the dispute remained unresolved even after 30 days, then the dispute shall be referred to the Principal of Chowdhary Mahadev Prasad Degree (C. M.P.)College and Mr. V. Rajagopalan, President (Legal and Taxation), Bajaj Finserv Limited. The decision of the principal of Chowdhary Mahadev Prasad Degree (C. M.P.)College and Mr. Rajagopalan shall be final and binding on both parties.

#### 18. Originals:

This MOU is executed in counterparts, each of which shall be deemed to be original and retained by each of the Parties but together they shall constitute one and the same MOU.

IN WITNESS WHEREOF, the Parties hereto have put their hands the day, month and the year first hereinabove mentioned

For Chowdhary Mahadev Prasad  
Degree (C. M.P.)College

For Bajaj Finance Limited

For Bajaj Finserv Limited

Name: Prof. Ajay Prakash Khare  
Designation: Principal

Name: V. Rajagopalan  
Designation: President (Legal and  
Taxation)

Name: V. Rajagopalan  
Designation: President (Legal and  
Taxation)

Witness  
Full Name: Dr. Bireshwar Pandey  
Designation: Assistant Professor

Witness  
Full Name: Ajay Sathe  
Designation: Group Head –  
Customer Experience and CSR

Witness  
Full Name: Ajay Sathe  
Designation: Group Head –  
Customer Experience and CSR





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## सर्टिफिकेट प्रोग्राम इन बैंकिंग फाइनेंस एंड इश्योरेंस (सीपीबीएफआई)

सर्टिफिकेट प्रोग्राम इन बैंकिंग फाइनेंस एंड इश्योरेंस (सीपीबीएफआई) जिसका संचालन संयुक्त रूप से बजाज फिनसर्व एवं सीएमपी कालेज के द्वारा किया जा रहा है। जिसके लिए सीएमपी कॉलेज एवं बजाज फिनसर्व में एक एमओयू भी हुआ है। जिसके तहत प्रथम बैच का प्रारंभ 10 सितंबर 2022 को किया गया जिसमें कुल 53 विद्यार्थियों ने प्रवेश लिया तथा यह बैच सफल रूप से 20 अक्टूबर 2022 को संपन्न हुआ जोकि हाइब्रिड मोड में अर्थात् ऑनलाइन एवं ऑफलाइन दोनों मोड में संपन्न हुआ जिसके अंतर्गत बैंकिंग से संबंधित एवं बीमा से संबंधित तथा वित्तीय लेनदेन एवं गतिविधियों से संबंधित सभी प्रकार की जानकारियां विद्यार्थियों को प्रदान की गई।



Inaugural function of CPBFI course in the Department of Commerce



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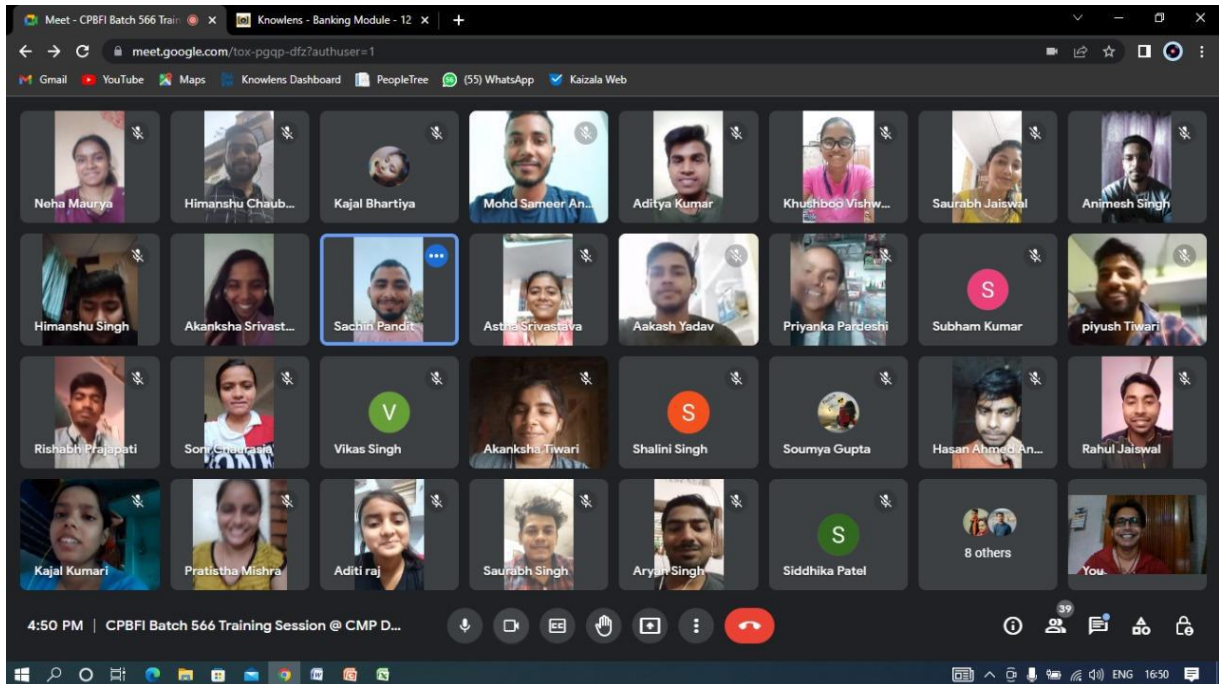
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Insurance class taken by Gyan Prakash Sir from Bajaj Finserv  
Online class



Online class taken by Abir Bhattacharya Sir from Bajaj Finserv



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Certificate distribution program to the student of CPBFI course



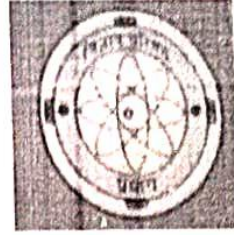


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## MEMORANDUM OF UNDERSTANDING

BETWEEN

CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE, PRAYAGRAJ  
INDIA

&

VIJNANA PARISHAD PRAYAG, PRAYAGRAJ, INDIA

ON

PARTNERSHIP FOR JOINT CAPACITY BUILDING, KNOWLEDGE EXCHANGE  
PROGRAM AND INTER-INSTITUTIONAL ACTIVITIES



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## Authorized Signatories

Each party/ institution represents that the individuals signing this memorandum of understanding have the authority to sign on its behalf in the capacity indicated.

IN WITNESS whereof the undersigned, being duly authorized thereto, have on behalf of the parties hereto signed the present Memorandum of Understanding at the place and on the day stipulated below

Vijnana Parishad, Prayagraj

Chaudhary Mahadeo Prasad Degree College

Signature: S. G. Mishra

Signature: A. Prakash Khare

Name: Prof. Shiv Gopal Mishra

Name: Prof. Ajay Prakash Khare

Title: Pradhaanmantri

Title: Principal

Date: 29.11.2022

Date: 29.11.22



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## Report on one week FDP cum hands on training on “Neoteric Advancement in Nanotechnology”

### Day 1

The first day of the one week FDP cum hands on training workshop on “ Neoteric Advancement in Nanotechnology” organized by the Department of Chemistry under the aegis of DBT star scheme (13<sup>th</sup>-18<sup>th</sup> September,2023) commenced with the blessings of Prof. Ajay Prakash Khare, Principal, CMP Degree College. The inaugural session began with the ceremonial lighting of the lamp followed by the “Saraswati vandana” invoking the blessings of the goddess of wisdom and knowledge. The session was overseen by Dr. Monika Singh. The workshop was honored to have Prof. HP Tiwari, Ex. Vice Chancellor and Ex. Head, Department of Chemistry, University of Allahabad as the chief guest and Prof. Anchal Srivastava, Department of Physics, Institute of Science, BHU as the guest of honor and keynote speaker for the first session of workshop. Dr. Babita Agarwal extended a gracious welcome to all the guests and participants. Her welcoming remarks highlighted the significance of the workshop and its potential impact on the field of nanotechnology .Dr. Mridula Tripathi gave a brief introduction about the workshop. Dr. Deepanjali Pandey had the honor of introducing the guest of honor Prof. Anchal Srivastava. Her introduction shed light on the accomplishments and expertise of Prof. Srivastava. Presence of two esteemed personalities, Dr. Akhilesh Kumar, Assistant Professor, PBPG College, Pratapgarh and Dr. Rajiv Giri undeniably added a layer of depth and engagement to this workshop. It’s worth noting that the seminars success was further amplified by the impressive turnout of 250 participants.

Prof. Anchal Srivastava emphasized on the critical importance of nanotechnology in today’s world. He highlighted how nanotechnology has become an integral part of various industries, from medicine to electronics and how it has the potential to revolutionize our lives. Chief guest Prof. HP Tiwari shared insight into the development in the field and various ways in which these nanoparticles are being used as a drug deliver agents. Vice Principal Dr. Nita Sinha and Dr. Meena Rai also shared their thoughts on the same. The session ended with vote of thanks which was given by Dr. AK Shukla, he expressed gratitude to all those who contributed to the success of the inaugural session.

In the second session the keynote speaker was Dr. Ishan Pandey. He talked about the “Oncobiome”, how oncobiome affect cancer and gave future directions in oncobiome research. Chairperson Dr. Santosh Srivastava also shared his thoughts on the same. The session was overseen by Dr Deepanjali Pandey. The presence of large number of participants helped the session to end at a successful note.



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**The inaugural session of one week FDP cum hands on training on “Neoteric Advancement in Nanotechnology”**

## Report on FDP cum Hands-on Training Workshop on "Neoteric Advancement in Nanotechnology"

### Day 2

#### First Session

Second day of the workshop commenced with a warm welcome extended to the distinguished speakers, Prof. Ravindra Dhar Dwivedi, hailing from the Centre of Material Science in Prayagraj, and Professor Kumud Dubey, a senior scientist at IFRE-ERC, Prayagraj. The welcome gesture involved offering saplings to the speakers, courtesy of Dr. Gyan Prakash and Dr. Mridula Tripathi. Dr. Sunanda Das assumed the role of the session's chairperson, and the brief CVs of both invited speakers were eloquently presented by Dr. Ashok Kumar Ranjan and Dr. Praveen Tripathi.

The first segment of the session was led by Professor R. Dhar, who skillfully set a friendly and engaging tone for the audience. His presentation centered on the theme "Nanotechnology in Photovoltaic/Solar Energy." Professor Dhar discussed intriguing topics, such as the application of tulusi-coated silver nanoparticles in catalysis and other domains, emphasizing the inseparable relationship between science and technology. He elucidated how energy underpins all aspects of nature and how nanotechnology plays a pivotal role in enhancing the efficiency of batteries, a crucial energy-storage device. Furthermore, he highlighted the potential of organic semiconductor materials in revolutionizing the development of cost-effective and high-efficiency solar cells. Prof. Dhar also delved into the fascinating world of discotic liquid crystals (DLCs), elucidating their current applications in mobile displays, laptops, automobiles, watches, and more.



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The second speaker of the session, Professor Kumud Dubey, presented her insights on "Application of Nano Materials in Agriculture and Forestry." Her comprehensive lecture covered the fundamentals of nanotechnology and ventured into more advanced topics, notably carbon nanotubes, which are astoundingly 100 times stronger than steel yet six times lighter. Prof. Dubey underscored the wide-ranging applications of nanotechnology in environmental remediation, medicine, agriculture, and the economy. She shed light on how nanotechnology can revolutionize crop improvement, crop protection, stress tolerance, and precision farming through the use of bio-nanocomposites, nanotubes, and other innovative approaches.

The session was expertly hosted by Dr. Pramod Sharma, and Dr. Sunanda Das delivered a heartfelt vote of thanks to conclude the proceedings. Dr. Monika Singh and Dr. Deepanjali Pandey served as the rapporteurs for the session, diligently documenting the valuable insights and discussions shared by the speakers.

## Second Session

The second session of Day 2 commenced with an enlightening presentation by Dr. Priyanka Chawla, a distinguished research associate from CMP Degree College. Dr. Chawla's presentation focused on the captivating subject of "Dye-Sensitized Solar Cells" (DSSCs), providing an additional layer of depth to the workshop's exploration of advanced nanotechnology applications.

Following Dr. Chawla's insightful presentation, the workshop provided a platform for students and research scholars to showcase their own work. A total of 20 participants eagerly seized this opportunity to present their research findings and innovative ideas, contributing to the overall richness of the workshop.

To evaluate and acknowledge the efforts of these young scholars, a panel of three esteemed judges, namely Dr. Deepa Srivastava, Dr. Praveen Tripathi, and Dr. Amita Pandey, meticulously assessed the presentations. In a gesture of encouragement and appreciation, Dr. Babita Agarwal and Dr. Mridula Tripathi extended their warm wishes to the participating students for their active and enthusiastic engagement in the workshop. Their words of encouragement further motivated the students and research scholars to continue their pursuit of excellence in the field of nanotechnology.



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Lectures deliver on the theme "Nanotechnology in Photovoltaic/Solar Energy." By our Speakers

Report on FDP cum Hands-on Training Workshop on "Neoteric Advancement in Nanotechnology"

Day 3

**First Session:**

The third day of the workshop was marked by a stimulating and informative first session, featuring three distinguished invited speakers who illuminated various facets of nanotechnology: Dr. Rajeev Giri, Assistant Professor, Centre of Material Science, University of Allahabad. Dr. Archana Pandey, Associate Professor, Department of Chemistry, CMP Degree College and Dr. Simant Srivastava, Assistant Professor, Department of Chemistry, University of Allahabad.

The session commenced with a warm and respectful welcome extended to the esteemed guests. This welcome was symbolized by the presentation of saplings, representing growth and knowledge, thoughtfully offered by Dr. Babita Agarwal, Dr. Mridula Tripathi, and Dr. Deepanjali Pandey. Dr. Deepanjali Pandey also shared the full CV of the first speaker, Dr. Rajeev Giri, highlighting his significant contributions to the field of nanotechnology. Dr. Rajeev Giri gave a captivating presentation centered on the theme "Nanomaterials: Synthesis and Applications". Dr. Giri provided valuable insights into carbon nanotubes, categorizing them and emphasizing their critical role in nanotechnology. He also shed light on the emerging field of carbon quantum dots, elucidating their unique properties and potential applications. In recognition of his informative presentation, Dr. Arti Gupta presented Dr. Rajeev Giri with a memento as a token of respect and appreciation on behalf of the workshop.



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Dr. Archana Pandey, the second speaker of the session, brought a new dimension to the discussion with her presentation on the intriguing topic "Tan aur Mann Ka Rasayan Vigyan" (Chemistry of Body and Mind). In her presentation, she highlighted the pivotal role played by various hormones produced within the human body. Some of these hormones included serotonin, dopamine, cortisol, melatonin, and others, which she discussed in detail. In recognition of her insightful discourse, Dr. Sarita Srivastava, Dr. Babita Agarwal, and Dr. Mridula Tripathi jointly presented her with a memento as a gesture of appreciation.

Dr. Simant Srivastava, the third and final speaker of the session was introduced by Dr. Akram Ali. Dr. Simant Srivastava enlightened the audience with his presentation on "Synthesis, Characterization, and Application of Nanomaterials." He delved into the fundamentals of nanomaterials and explored techniques such as sol-gel processes, preparation methods for thin films via spin-coating, X-ray diffraction techniques, and photocatalytic applications. Dr. AK Shukla had the honor of presenting a memento to Dr. Simant Srivastava in recognition of his informative and enlightening presentation.

### Second Session:

The second session of the day was a highly anticipated laboratory visit to the Centre of Material Science, University of Allahabad. 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.

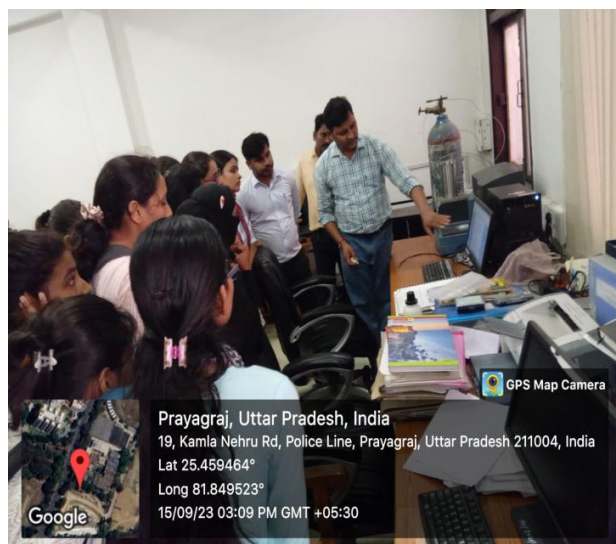


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## Laboratory visit to the Centre of Material Science, University of Allahabad

### Report on FDP cum Hands-on Training Workshop on "Neoteric Advancement in Nanotechnology"

#### Day 4

##### First Session:

The fourth day of the workshop was marked by a stimulating and informative first session, featuring two distinguished invited speakers who illuminated various facets of HPTLC: Mr. Mohit Upadhyay, Application Chemist and Anchrom Enterprises. Dr. Santosh Srivastava Associate professor, Department of Chemistry, C.M.P. Degree College

The session commenced with a warm and respectful welcome extended to the esteemed guests. This welcome was symbolized by the presentation of saplings, representing growth and knowledge, thoughtfully offered by Dr. Deepanjali Pandey, Dr. Babita Agarwal and Dr. Vishal Srivastava. Dr. Vishal Srivastava also shared the full CV of the first speaker, Mr. Mohit Upadhyay, highlighting his significant contributions to the field of High Performance Thin Layer Chromatography (HPTLC). Mr. Upadhyay gave a captivating presentation centered on the theme "High Performance Thin Layer Chromatography". Mr. Upadhyay gave insightful explanations of how various instruments function according to different features and demonstrated through video how HPTLC operates. He also discusses difference between Thin Layer Chromatography (TLC) & High Performance Thin Layer Chromatography (HPTLC). He also shed light on the emerging field of pharmaceutical, elucidating their unique properties and potential





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applications. In recognition of his informative presentation, Dr. Sunanda Das sapling to a speaker Mr. Mohit Upadhyay to presented and certificate.

Dr. Santosh Srivastava, the second speaker of the session, brought a new dimension to the discussion with his presentation on the intriguing Theme: “Millets: A Superfood or a Diet Fad. Dr. Srivastava gave us information about millets and why it is so important for our daily diet and health. Dr. Srivastava also told that they can be easily cultivated or cultivated ever in different condition can be produced and also told what kind of nutrition we get from it. In recognition of his informative presentation, speaker Dr. Santosh Srivastava was honored by Dr. Monika Singh with a sapling and Dr. Babita Agrawal honored by giving certificate.

The session was expertly hosted by Dr. Deepanjali Pandey and Dr. Meena Rai delivered a heartfelt vote of thanks to conclude the proceedings. Dr. Meena Rai thanked Mr. Upadhyay for his expertise presentation about HPTLC. Dr. Meena Rai thanked Dr. Santosh Srivastava for sharing information about benefits of millets and in the end Dr. Meena said that a will come when we will take care of nature will return again.

### Second Session:

Inaugurating the second session, Dr. Babita Agarwal called Ritu Ravi and Nivedita Srivastava for hosting. While starting the hosting, she welcomes everyone with great warmly and took the program forward. A total of 15 participants eagerly sized this opportunity to present their research finding and innovative ideas, contributing to the overall richness of the workshop. To evaluate and acknowledge the efforts of these young scholars, a panel of six esteemed judges, namely Dr. Monika Singh, Dr. Vishal Srivastava, Dr. Dharmendra Kumar Sahu, Dr. Deepanjali Pandey, Dr. Ashok Kumar Ranjan and Dr. Pramod Kumar, meticulously assessed the presentation. Dr. Vishal Srivastava, Dr. Mridula Tripathi, and Dr. Babita Agarwal made a gesture of support and appreciation. The end of the second session, Dr. Vishal Srivastava concludes the student session with some warm wishes to the entire presenter and inspired to come forward and take part into various program where all the P.G. students and research scholars explore their self and gain knowledge from these kind of workshops which help to buildup confidence and their communication skills.



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**Students Interacting Session with Guest Speakers and Presentation Session by Research Scholar**

**Report on FDP cum Hands-on Training Workshop on "Neoteric Advancement in Nanotechnology"**

**Day 5**

**First Session:**

The last day of the workshop was marked by a stimulating and informative first session, featuring One distinguished invited speakers who illuminated facets of Water literacy: Dr. Pramod Kumar Sharma Assistant professor, Department of Chemistry, C.M.P. Degree College

The session commenced with a warm and respectful welcome extended to the esteemed guests and Dr. Arti Gupta chaired this session. This welcome was symbolized by the presentation of saplings, representing growth and knowledge, thoughtfully offered by Dr. Deepanjali Pandey, Dr. Babita Agarwal and Dr. Jaya Srivastava. Dr. Jaya Srivastava also shared the full CV of the first speaker, Dr. Pramod Kumar and called him "Ganga Putra", highlighting his significant contributions to the field of "Water Management". Dr. Pramod explained the significance of water in our daily lives. He discussed alarming concern about whether safe water will be available for drinking in the future observing the current water deficit. He also gave information about water literacy course which he runs to spread awareness about water conservation among the next generation. In recognition of his informative presentation, Dr. Babita Agarwal honored the speaker Dr. Pramod Kumar by given sapling and certificate. Dr. Arti Gupta shared some experience related to water crisis in different part of India and encourage the participants for water conservation



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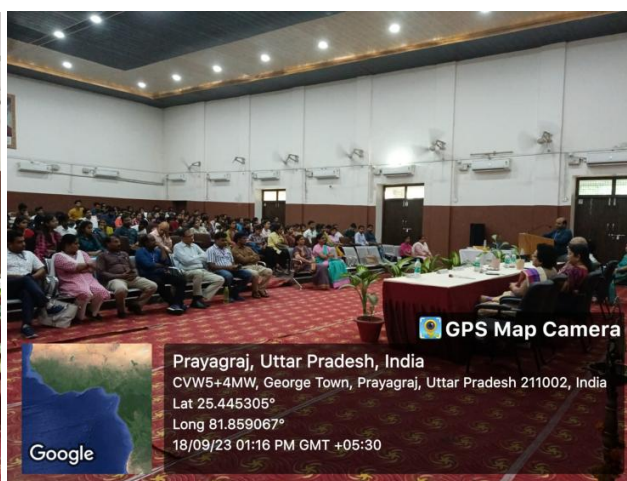
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At last of first session feedback from various participant was taken they were given an opportunity to express their feelings and knowledge which they have gained during this six days of workshop.

## Valedictory Session:

Starting the second session of the last day of the one week workshop program, whole anchoring by Dr. Monika Singh welcomed her chief guest Prof. I.R.Siddiqui, head of the Department of Chemistry was a chief guest of the session. The dies inlighted by the presence of Prof. Ajay Prakash Khare principal of C.M.P.Degree College. Prof. Khare honored the chief guest by presenting him sapling. Taking everything forward Dr. Vishal Srivastava presented the report of the one week workshop program in a systematic manner. Dr. Babita Agarwal gave the welcoming the chief guest principal sir, faculty members and participant. Prof. Khare blessed participant with his encouraging words his said that nanotechnology has various scope to explore and he appreciated organizing committee for providing platform to be student foe learning this new technology. While taking about nanotechnology. Prof. Siddiqui also told about is special area such as Drug delivery, nano materials etc. Prof. I.R. Siddiqui delivered Captivating speech who nanotechnology is involved in our life and he also inlighted the participant by giving information about different field of nanotechnology such as drug delivery, Nanomaterial etc. Dr. Sarita Srivastava discuss about the benefits of the one week workshop. Dr. Meena Rai conclude the workshop and Dr. Mridula Tripathi thanked the chief guest, speaker resource persons, organizing committee of the workshop and participant.



## Valedictory Session



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## MEMORANDUM OF UNDERSTANDING (MOU)

Memorandum of Understanding (MOU) between the Artifactual Archaeological Sciences Society (AASS), Prayagraj and the C.M.P. Degree College (CMPDC), Central University of Allahabad, Prayagraj.

### PREAMBLE

The Artifactual Archaeological Sciences Society (AASS), Prayagraj and the C.M.P. Degree College (CMPDC), Prayagraj, hereinafter called the 'Partners', find it mutually beneficial to have a formal understanding for academic and research-oriented collaboration between them.

Based on mutual co-operation and understanding, the Partners shall resort to collaborative academic and research activities through exchange of knowledge and expertise in the field of Humanities and social sciences.

### Partners to the Memorandum

The partners to this Memorandum of Understanding are the C.M.P. Degree College, Prayagraj represented by Professor Ajay Prakash Khare, Principal of the CMPDC or his nominee on one side, and Professor Prakash Sinha (Retd.), President, the Artifactual Archaeological Sciences Society (AASS), Prayagraj or his nominee, on the other.

### Details of Understanding

1. The AASS may conduct academic and research activities using the infrastructure of the CMPDC.
2. The CMPDC will provide the AASS access to Library and e-library facilities including the Inffibnet.
3. The AASS may assist research students and faculty of the CMPDC in research related activities.
4. Students and faculty members of the CMPDC may get internship at the AASS.
5. The AASS may help in co-curricular activities of the CMPDC as a part of the NEP-2020 for which the expenses will be borne by the CMPDC.
6. The CMPDC and AASS may jointly organise seminars, workshops, conferences, book launches etc.
7. Both the partners can undertake any other academic activity with mutual consent.

### Date of Effect


The MOU between the two Partners will take effect from the date of signature and will remain in force unless terminated by one party on a three months' notice.

### Modifications

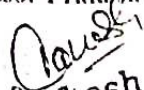
The MOU may be amended by mutual consent of the two partners.

Signed on the Twenty Sixth day of September 2022.

Professor Ajay Prakash Khare

  
Principal  
C.M.P. DEGREE COLLEGE  
PRAYAGRAJ

Professor Prakash Sinha (Retd.)

  
Prakash Sinha  
Ancient History,  
Culture & Archaeology  
University of Allahabad,  
Allahabad 211002

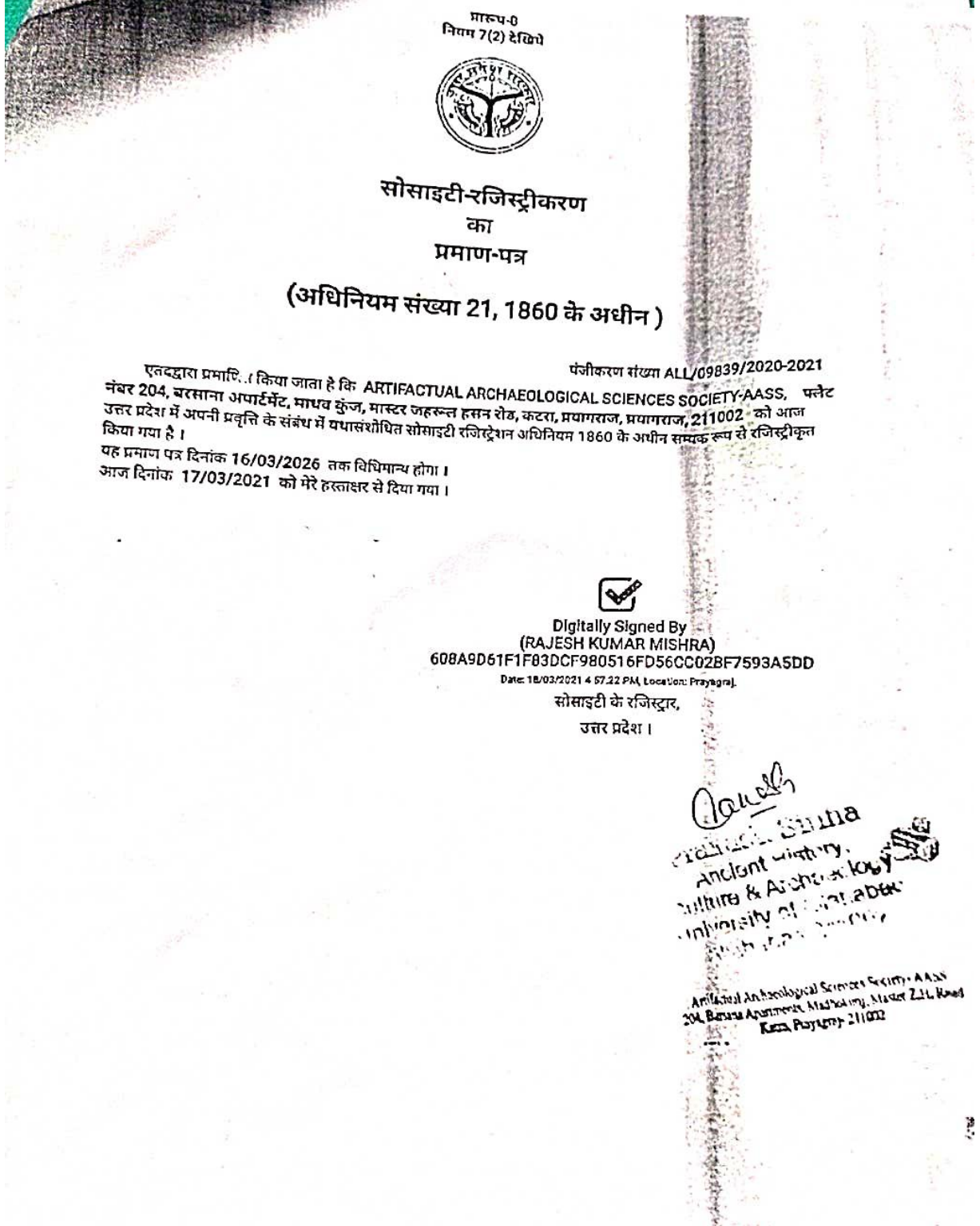


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On 27<sup>th</sup> Sep 2022, Inaugural Session of Intellectual Advancement Cell Program



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Student Interaction Session with Program Person



Intellectual Advancement Cell Organized an Exhibition of Archaeological Monuments for the Students

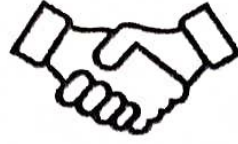


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## MEMORANDUM OF UNDERSTANDING

BETWEEN

CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE PRAYAGRAJ,  
INDIA

AND

MAGSTIK PRIVATE LIMITED, DELHI, INDIA

ON

PARTNERSHIP FOR JOINT CAPACITY BUILDING, RESEARCH AND  
LABORATORY FACILITIES





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## ARTICLE -8

8.1 The tenure of the MOU shall be for two years from the date of signing the MOU. Unless opted otherwise by either of the signatory parties to this MOU, the tenure shall be renewed automatically for another three years from the date of expiry of the first tenure.

In witness whereof the undersigned, duly authorized thereto, have signed this MOU on this day,  
18 June 2022

## Authorized Signatories

Each party/ institution represents that the individuals signing this memorandum of understanding have the authority to sign on its behalf in the capacity indicated.

IN WITNESS whereof the undersigned, being duly authorized thereto, have on behalf of the parties hereto signed the present Memorandum of Understanding at the place and on the day stipulated below

Magstik Private Limited, India

Chaudhary Mahadev Prasad Degree College

Signature: शिव कुमारी 40525

Name: Ms. Shiv Kumari Pandey

Title: Managing Director

Date: 15.06.2022

Signature: [Handwritten Signature]  
Name: Dr. A. P. K. KHARE  
Title: Principal PRAYAGRAJ

Date: 17/6/22



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Department of botany has an MOU with Magstik India pvt Ltd where the Magstik India in collaboration with CCMB is trying to cultivate a Low glyceemic index rice Variety Sona Masuri Sambha variety. The consultancy for growing the rice variety was provided by Faculty of Botany Department and the Research scholars were helping in seed distribution and seed treatment. Magstik India also paid monthly consultancy fee to Mr Suresh Kumar @Rs 5000/-pm for a period of six months i.e June 2022-December 2022.

S. N o.	Activity	Pictures
1.	Mr Suresh Kumar addressing the farmers at Deoria providing consultancy for benefits of Low glyceemic index rice variety	
2.	Distribution of Rice Seeds to the farmers	



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3.	Media coverage of Seed distribution in local news paper of Deoria	<p><b>सम्भा धान का बीज निशुल्क मिलने से किसानों में खुशी की लहर</b></p> <p>बरहज / देवरिया (राष्ट्र की परम्परा)। विकासशील किसान कृषि प्रोड्यूसर कंपनी एफपीओ के कार्यालय पर मैजेस्टिक एवं टाटा इंस्टिट्यूट ऑफ जेनेटिक सोसाइटी के सहयोग से ग्राम सभा मिर्जापुर एवं महुईकुंवर एवं मोहाव के किसानों को ट्रायल के रूप में 30 एकड़ खेत के लिए 3 कुंतल सांभा धान का बीज निशुल्क कंपनी के डायरेक्टर ज्ञानेश्वर सिंह एवं सुरेश कुमार शोध वैज्ञानिक द्वारा क्षेत्र के किसानों में वितरित किया गया और सम्भा बीज पाकर किसानों के चेहरे खुशी से खिल उठे, शोध वैज्ञानिक सुरेश कुमार ने बताया कि इस बीज में नाम मात्र का शुगर पाया जाता है इसका चावल शुगर वाले व्यक्ति के लिए बहुत लाभकारी सिद्ध हुआ है।</p>



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		<p>किसानों में निशुल्क सांभा धान बीज वितरित</p> <p>बरहज (एसएनबी)। विकासशील किसान प्रोड्यूसर कम्पनी एफ़वीओ कार्यालय पर मैजिस्टिक एवं डाटा इन्स्टीच्यूट के सहयोग से ग्राम मिर्जापुर, महुँकुंवर एवं महोबा के किसानों को ट्रैक्टर के रूप में 30 एकड़ खेत के लिए 3 कुन्तल सांभा धान का बीज निःशुल्क कम्पनी के डायरेक्टर रामेश्वर सिंह, सुरेश कुमार रोष वैज्ञानिक द्वारा क्षेत्र के किसानों में वितरित किया गया। जिनमें नाम मात्र का सुगर पाया जाता है। इसका खाल सुगर खाले ज्वलित के लिए बहुत ही लाभकारी सिद्ध हुआ है। उक्त बातें सुरेश कुमार ने कहीं। भीमसेन ने कहा कि किसान अधिक से अधिक अपने खेतों में जैतिक खाद का प्रयोग करें। सुधीर सिंह ने किसानों द्वारा उक्त उत्पादन को एमएससी मूल्य से अधिक दाम पर खरीदारी करने का अनुरोध दिया ताकि किसानों को आय दोगुना हो सके। विजय कुमार सिंह, राममिलन सिंह, अर्जुन जयसवाल, प्रल्हाद खटव, चिन्तामणि सहानी, रामजी राय, उदयप्रताप लाल, साहू प्रभुकाव, मुन्नालाल आदि मौजूद रहे।</p> <p>प्रगतिशील किसानों का संवाद सम्मान कार्यक्रम 5 को</p> <p>सलेमपुर (एसएनबी)। भाजपा किसान मोर्चा देवरिया द्वारा केन्द्र सरकार के 8 वर्ष पूरे होने पर आगामी 5 जून को तालाब स्वच्छता और पौधरोपण कार्यक्रम का सलेमपुर विधानसभा के सुरिया नदीतीरे और बाघनवाली बरसदेव में किया गया है, जिसके तहत सलेमपुर विधानसभा के 100 प्रगतिशील किसानों से संवाद करके उनको सम्मानित किया जायेगा। सलेमपुर विधानसभा में आयोजित इस कार्यक्रम में उत्तर प्रदेश सरकार की मंत्री विजय लक्ष्मी गौतम के साथ स्वर्गीय भाजपा नेता तालाब स्वच्छता के साधनोपल का पीछा लगाकर प्रगतिशील किसान भाईयों से संवाद करके उनको सम्मानित करेंगे। भाजपा किसान मोर्चा के इस कार्यक्रम को सफल बनाने के लिए किसान मोर्चा के राजनीकांत सिंह और सायप्रकाश सिंह को संयोजक बनाया गया है।</p>
3.	Rice varieties grown in fields of Deoria under the supervision of Botany Department of CMP Degree College and Magstik India pvt LTD	



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4.	Providing rice seeds after Seed treatment with organic formulation to grow disease free variety on pilot scale cultivation under trial in deoria	



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5.	Farmers visit with magstic founder Dr. Saurabh Pandey	



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		 <p>OPPO F21 Pro</p>
6.	Farmers day celebration on 24 <sup>th</sup> December 2022 at Deoria with Director Magstik and Faculty from CMP Degree College Dr. Deepak Kumar Gond and Research Scholar Mr. Suresh Kumar	 <p>OPPO F21 Pro</p>

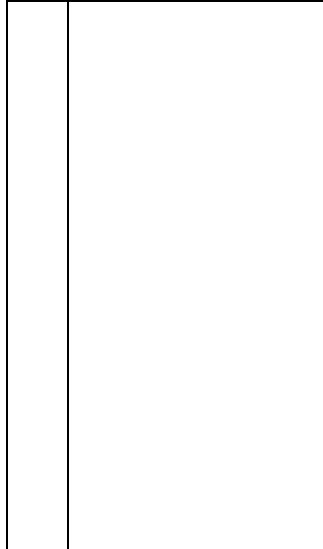


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Dr Deepak Kumar Gond addressing the Farmers in Deoria for cultivation of Low glycemic index rice variety developed in joint collaboration with CCMB, Magstik and CMP DEgre College







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Team of Magstik  
Dr Saurabh  
Pandey, Dr.  
Rakesh Mishra  
(former director  
CCMB,  
Hyderabad) and  
research scholars  
from CMP  
DegreeCollege Mr  
Suresh Kumar  
and Mr  
Pushpendra  
Yadav along with  
DR Deepak Gond  
on the field visit  
to deoria in  
December 2022





# 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](http://www.cmpcollege.ac.in)



MOU between CMPDC & UCER



## MEMORANDUM OF UNDERSTANDING

BETWEEN

DEPARTMENT OF CHEMISTRY

CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE, PRAYAGRAJ  
INDIA

&

UNITED COLLEGE OF ENGINEERING & RESEARCH, PRAYAGRAJ, INDIA

ON

PARTNERSHIP FOR JOINT CAPACITY BUILDING, KNOWLEDGE EXCHANGE  
PROGRAM AND RESEARCH COLLABORATION



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## 8. APPROVAL

In agreement with the above terms of participation, the authorized representatives of the Department of Chemistry, C.M.P. Degree College (Prayagraj) and United College of Engineering and Research (Prayagraj) hereby affix their signatures.

*A.P. Khare*  
18.11.22

Prof. A.P. Khare  
Principal  
C.M.P. Degree College  
Prayagraj



United College of Engineering and Research  
Prayagraj





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RSC Advances

PAPER

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## Visible light-induced photoredox catalyzed C–N coupling of amides with alcohols†

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Shraddha Tivari,<sup>a</sup> Pravin K. Singh,<sup>a</sup> Praveen P. Singh<sup>b</sup> and Vishal Srivastava<sup>b\*</sup>

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[rsc.li/rsc-advances](https://doi.org/10.1039/d2ra07065k)

A visible-light-mediated method for the construction of *N*-monoalkylated products from easily available benzamides and benzyl alcohol in the presence of eosin Y has been developed. The reaction proceeded smoothly, for a wide range of derivatives of benzamides and benzyl alcohols, to give the desired products in good to excellent yields. Biological studies, such as those on drug-likeness and molecular docking, are carried out on the molecules.

### 1. Introduction

Organic compounds containing nitrogen are the most important in pharmaceutical molecules and agricultural chemicals. The basic building blocks of life, such as proteins, DNA, and RNA, are nitrogen-containing organic structural units. C–N bonds are found in more than 80% of commonly used medications. In current synthetic chemistry, green and mild methodology for preparing different C–N bonds to replace old harsh preparation protocols is always a hotspot.<sup>1</sup> The technique of *N*-alkylation of amides is well-known, efficient, and essential in the synthesis of natural products, polymers, and peptides.<sup>2,4</sup> Alcohols would be an appropriate option as alkylating reagents for the production of C–N bonds from a green chemistry perspective.<sup>5–8</sup> When compared to other reagents used for *N*-alkylation of amides, alcohols are widely available and relatively inexpensive. *N*-Monoalkylated product is a versatile building block that is commonly utilized in the production of many bioactive compounds<sup>9–17</sup> and pharmaceuticals (Fig. 1).

They are also generally non- or less-toxic and easier to handle. Alcohols, on the other hand, have a poor electrophilicity, required either harsh conditions or further processes. These reactions usually required higher temperatures and/or catalyst loadings, because amides are less nucleophilic than amines. In 2009, Fujita and co-workers developed a method for *N*-alkylation of amides with alcohols using iridium catalysts.<sup>18</sup> Watanabe and Jenner<sup>19,20</sup> and some other researcher<sup>21,22</sup> reported successful use of alcohols as alkylating reagents in the *N*-alkylation of amides using ruthenium and rhodium catalysts at high temperatures. Dean and co-workers reported *N*-

alkylation of amides with alcohols utilizing heterogeneous Ag/Mo oxides in 2011.<sup>23</sup> Alcohols were also reported as alkylating reagents in *N*-alkylation catalyzed by copper,<sup>24</sup> ruthenium,<sup>25</sup> and iridium catalysts<sup>26</sup> in the same year. Sun and co-workers<sup>27</sup> used ruthenium/iridium dual catalyst systems for the alkylation of aldoximes with alcohols to produce *N*-monoalkylated amide. Transition metal based photocatalysts, such as iridium, ruthenium, and polypyridyl complexes, on the other hand, have been associated with numerous disadvantages, including high cost, low sustainability, and low toughness, possibility of toxicity, as well as being inconvenient during separation.<sup>28–30</sup>

In response to visible light stimulation, the photochemistry of eosin Y has been extensively studied, and it has been discovered that eosin Y undergoes rapid intersystem crossing to the lowest energy triplet state.<sup>31,32</sup> Metal-free organic dyes, particularly eosin Y, were used instead of metal-based photoredox catalysts because they are more cost-effective and environment friendly.<sup>33,34</sup> Visible-light mediated photoredox catalysis for single electron transfer (SET) has emerged in recent years as a viable, versatile, cost-effective, and eco-friendly method for essential chemical transformations such

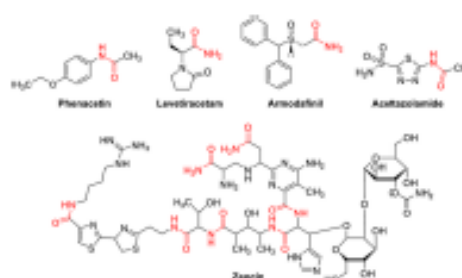


Fig. 1 Some commercially available amide drugs.

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<sup>b</sup>Department of Chemistry, United College of Engineering & Research, Naini, Prayag-211010, Uttar Pradesh, India. E-mail: [pprsh@23@gmail.com](mailto:pprsh@23@gmail.com)

† Electronic supplementary information (ESI) available. See DOI: [10.1039/d2ra07065k](https://doi.org/10.1039/d2ra07065k)





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ORIGINAL SCIENTIFIC PAPER



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DOI: 10.5562/cca3927



## Visible-light Driven Eosin Y Catalyzed C(sp<sup>2</sup>)-H Functionalization/C–O Bond Formation for Synthesis of Benzoxazoles

Mangla Mishra,<sup>1</sup> Vishal Srivastava,<sup>2</sup> Pravin K. Singh,<sup>2</sup> Praveen P. Singh<sup>1,\*,†</sup>

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<sup>2</sup> Department of Chemistry, CMP Degree College, University of Allahabad, Prayagraj, U.P. -211002, India

<sup>†</sup> Department of Chemistry, United College of Engineering & Research, Prayagraj, U.P.-211010, India

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RECEIVED: October 5, 2022 ★ REVISED: November 14, 2022 ★ ACCEPTED: November 21, 2022

**Abstract:** Visible light mediated synthesis of benzoxazoles from benzanilides under an air atmosphere at room temperature is reported using eosin Y as an organophotoredox catalyst by functionalization of C–H/C–O bond formation. This methodology accepts a broad range of functional groups and affords the benzoxazoles by transition-metal-free organic photoredox catalysis under very mild conditions.

**Keywords:** visible light, eosin Y, photocatalyst, heterocycle, benzoxazoles.

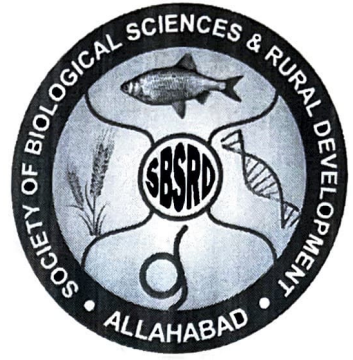
### INTRODUCTION

THE functionalization of C–H bond has been considered as a sustainable and innovative method for molecular synthesis.<sup>[1]</sup> The formation of C–O bonds has received less attention from inert C–H bonds than the well-established C–C and C–N bond building methods.<sup>[2]</sup> This is caused in part by the absurdly high energy barrier between the frontier orbitals of the M–O HOMO and M–C LUMO atomic systems.<sup>[3]</sup> The C–H functionalization/C–O bond formation technique that is operationally straightforward, effective, and feasible is still very much preferred.<sup>[4]</sup>

The development of feasible and efficient methods for the synthesis of benzoxazoles is garnering a huge amount of attention. Among the most significant heterocyclic rings, benzoxazoles are widely present in natural products, advanced materials, pharmaceuticals, and biologically active compounds.<sup>[5–6]</sup> Because of the diverse range of pharmacological effects that benzoxazoles exhibit, such as antibacterial,<sup>[7]</sup> antifungal,<sup>[8]</sup> anticancer,<sup>[9–11]</sup> anti-inflammatory,<sup>[12]</sup> anti-mycobacterial,<sup>[13]</sup> antihistamine,<sup>[14]</sup> anti-parkinson,<sup>[15]</sup> inhibition of hepatitis C virus,<sup>[16]</sup> 3-HT3 antagonistic effect,<sup>[17]</sup> melatonin receptor antagonism,<sup>[18]</sup>

amyloidogenesis inhibition<sup>[19]</sup> and Rho-kinase inhibition.<sup>[20]</sup> There are many commercially available drugs using benzoxazole as the main active component, including non-steroidal anti-inflammatory drug (NSAID) flunoxaprofen, benoxaprofen, antibiotic calcimycin, antibacterial boxazomycin B, muscle relaxant chlorzoxazone. Furthermore, the isolated benzoxazole alkaloids<sup>[21–24]</sup> from marine sponges or plants have strong medicinal activity. (Figure 1)

Among all of the various protocols to synthesise benzoxazole, direct C(sp<sup>2</sup>)-H activation using UV or visible light to produce intramolecular C–O bonds have recently attracted increasing attention.<sup>[25–34]</sup> Because solar energy (visible light) is pure, simple to utilise, and an endless energy source, there are many opportunities for the creation of environmentally beneficial and sustainable protocols for organic synthesis.<sup>[35–42]</sup> The conversion of solar energy into chemical energy for chemical reactions is the focus of several trailblazing researchers,<sup>[43,44]</sup> who have also developed a promising method for using photoredox catalysts to start single electron transfer (SET) processes.<sup>[45–48]</sup> Recently, a superior alternative to transition metal<sup>[49,47]</sup> photoredox catalysts, especially metal-free organic dyes such as eosin Y, fluorescein, rose bengal, nile red, perylene



**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE, PRAYAGRAJ , INDIA**

**&**

**SOCIETY OF BIOLOGICAL SCIENCES & RURAL DEVELOPMENT, PRAYAGRAJ,  
INDIA**

**ON**

**PARTNERSHIP FOR JOINT CAPACITY BUILDING, KNOWLEDGE EXCHANGE  
PROGRAM AND INTER-INSTITUTIONAL ACTIVITIES**

## **I. Description of collaborating parties**

CHAUDHARY MAHADEO PRASAD DEGREE, PRAYAGRAJ (**CMPDC**), AND SOCIETY OF BIOLOGICAL SCIENCES & RURAL DEVELOPMENT PRAYAGRAJ (**SBSRD**), INDIA, each referred to individually as "party" and collectively as "parties" have a common interest to inculcate scientific knowledge in the common interest of society.

**CMPDC** is a Constituent College of the University of Allahabad, Prayagraj is a part of Central University under University Grant Commission, New Delhi. To produce competent, ethical, and innovative graduates/ postgraduates and Research scholars through providing quality teaching and research, co-curricular and cultural involvement. To conduct problem-solving research through the active involvement of stakeholders; and Design and provide community and consultancy services that shall cater to the developmental needs of the country through active involvement of community and stakeholders in the field of basic science and its applications to human life.

Society of Biological Sciences and Rural Development is registered (**SBSRD**) under the Society Registration Act, 1860. The Society aims to undertake research development and extension activities particularly in the field of Biological Sciences and Rural Development. The ultimate objective of the society is economic improvement through the transfer of scientific technologies in rural areas. The society would like its mission through publication of research journal, Books, original research papers, review articles, popular articles, news bulletins and extension pamphlets in the above chosen fields. It also intends to invite eminent scientists to deliver talks on various aspects for spreading technologies on ground level.

This MoU is signed between:

**Chaudhary Mahadeo Prasad Degree College, A constituent PG College of University of Allahabad, A Central University governed by UGC under 12 (A), located at M.G. Marg, Prayagraj, Uttar Pradesh- 211002, India**

**AND**

**Society Of Biological Sciences & Rural Development, Gola Bazar, New Jhusi, Prayagraj, Uttar Pradesh- 211019, India**

### **PREAMBLE**

**Society Of Biological Sciences & Rural Development Prayagraj** and the **C.M.P. Degree College, Prayagraj**, here in after called the 'Partners', find it mutually beneficial to have a formal understanding for academic scientific extension collaboration between them. Based on mutual co-operation and understanding, the Partners shall resort to collaborative academic and scientific activities through exchange of knowledge and expertise in the basic sciences.

### **Partners to the Memorandum**

The partners to this Memorandum of Understanding are **C.M.P. Degree College, Prayagraj** represented by **Prof. Ajay Prakash Khare, Principal** or his nominee on one side, and **Mr. Piyush Raman Pandey, Joint Secretary of SBSRD, Prayagraj** or his nominee, on the other.

### **Details of Understanding**

1. Students and faculty members of the College may get opportunity to interact with renowned experts in mulfarious scientific fields from all over India at the SBSRD, Prayagraj.



2. The SBSRD may help in publication of books, Research Journal, articles on scientific topics.
3. The College and SBSRD may jointly organize seminars, workshops, conferences, book launches etc.
4. Both the partners can undertake any other academic activity with mutual consent.

#### Date of Effect

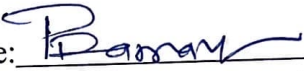
The MOU between the two Partners will take effect from the date of signature and will remain in force unless terminated by one party on a three months' notice.

#### Authorized Signatories

Each party/ institution represents that the individuals signing this memorandum of understanding have the authority to sign on its behalf in the capacity indicated.

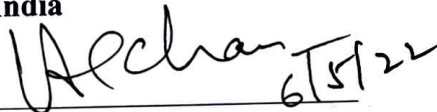
IN WITNESS where of the undersigned, being duly authorized there to, have on behalf of the parties here to signed the present Memorandum of Understanding at the place and on the day stipulated below

**Society of Biological Sciences & Rural  
Development, Prayagraj, U.P, India**

Signature:   
Name: **Mr. Piyush Raman Pandey** \_\_\_\_\_  
Title: **Joint Secretary** \_\_\_\_\_  
Date: \_\_\_\_\_

**Joint Secretary**  
SBSRD, Prayagraj, U.P.

**Chaudhary Mahadeo Prasad Degree College,  
Prayagraj, UP, India**

Signature:   
Name: **Prof. Ajay Prakash Khare**  
Title: **Principal**  
Date: 6/5/22

**International conference**  
**on**  
**'Renewal Energy and Sustainable Environment '**  
**Organized by**  
**Society of Biological Sciences and Rural Development, Prayagraj**

**Two days International conference was organized by Society of Biological Sciences and Rural Development , Prayagraj on 'Renewal Energy and Sustainable Environmental ' on 25-26 , March,2023. Faculty members and students of CMP Degree College actively participated in the conference. Distinguished faculty members of CMP Degree College delivered lectures on the issue. Dr. Hemlata Pant, Dr. Jyoti Verma and Dr. Uma Rani Agrawal from Zoology Department, CMP Degree College actively contributed in organizing the International Conference. Dr. Archana Pandey, Dr. Arti Gupta, Dr. Santosh Srivastava, Dr. Deepa Srivastava, Dr. Monika Singh and Dr. Vishal Srivastava of Chemistry department , CMP Degree College delivered lectures and give presentations in the conference.**



Release of book OF Dr. Hemlata Pant and Dr. Jyoti Verma in Inaugural Function

# सोसायटी ऑफ बायोलॉजिकल साइंसेज एंड रूरल डेवलपमेंट, प्रयागराज में अंतरराष्ट्रीय सम्मेलन का समापन संपन्न

संवाददाता

प्रयागराज। सोसायटी ऑफ बायोलॉजिकल साइंसेज एंड रूरल डेवलपमेंट, प्रयागराज के तत्वाधान में अक्षय कृषि एवं टिकाऊ पर्यावरण नामक अंतरराष्ट्रीय सम्मेलन का समापन विज्ञान परिषद प्रयाग के सभागार में संपन्न हुआ। इस सम्मेलन में सभी अतिथियों का स्वागत डा. हेमलता पंत आयोजक सचिन ने किया। राष्ट्रीय संगोष्ठी की प्रगति आख्या डॉ. ज्योति वर्मा ने दी। इस कार्यक्रम के मुख्य अतिथि प्रो. गीतांजलि मौर्य प्राचार्या कुलभास्कर आश्रम पी.जी. कॉलेज तथा प्रो. अर्चना पाठक प्राचार्या, आर्य कन्या पी.जी. कॉलेज थीं। प्रो. मौर्य ने अपने संबोधन में कहा कि यदि हमें अक्षय कृषि करनी है तो हमें परंपरागत कृषि एवं नवीन कृषि को तथा समस्त वैज्ञानिक विधि को संतुलित रूप से एकीकृत करने की बात की। इसी क्रम में प्रो. पाठक ने कहा कि भारत अभी विकासशील देश है, हम विश्व की पांचवीं अर्थव्यवस्था हैं। हमें विकसित होने तथा प्रथम अर्थव्यवस्था



होने में कृषि क्षेत्रों में तथा कृषि उत्पादों में हर तरह से वृद्धि करनी होगी। इसमें वैज्ञानिकों, शोधार्थियों एवं कृषकों को एक साथ मिलकर कार्य करना होगा। इस कार्यक्रम में डा. हेमलता पंत, डा. डी स्वरूप, डा. मनोज कुमार सिंह, डा. ज्योति वर्मा, डा. अमित मौर्या डा. एन. जे. जेम्स तथा डॉ. विनी जॉन द्वारा संपादित लिखित पुस्तकों एवं कार्यक्रम की सोवैनियर का विमोचन मुख्य अतिथियों के कर कमलों द्वारा हुआ तथा एसबीएसआरडी द्वारा प्रशिक्षित कुमारी कृति द्वारा निर्मित ओस्टर मशरूम बरी का भी

विमोचन किया गया। कार्यक्रम में शोधार्थियों द्वारा मौखिक एवं पोस्टर के माध्यम से विभिन्न शोध पत्रों का प्रस्तुतीकरण भी किया गया। इस सम्मेलन में डॉ. उमा रानी अग्रवाल, डॉ. संतोष श्रीवास्तव, डॉ. हीरालक्ष्मी, जाडोन डॉ. विशाल श्रीवास्तव, डॉ. साधना त्रिपाठी, डॉ. एन. जे. जेम्स ने क्रमशः अध्यक्ष उपाध्यक्ष एवं रिपोर्टियर का दायित्व विभिन्न सत्रों में निभाया। इस सम्मेलन में कृ. सालेहा खान, कृ. अनुराधा यादव, डॉ. विनी जॉन, कृ. प्रिंशिता ने विभिन्न सत्रों का

संचालन किया। सम्मेलन में डॉ. पवन सिरोठिया, डॉ. मनोज कुमार सिंह, डॉ. रतन कुमार पांडे ने छात्र-छात्राओं को पुरस्कृत किया। सम्मेलन में सभी का आभार डॉ. देवेन्द्र स्वरूप, वैज्ञानिक (पशुपालन विज्ञान), कृषि विज्ञान केंद्र, चंद्रशेखर आजाद कृषि एवं प्रौद्योगिकी विश्वविद्यालय कानपुर ने दिया। इस सम्मेलन में देश-विदेश के विभिन्न विश्वविद्यालयों, महाविद्यालयों, वैज्ञानिक संस्थानों के अध्यापक, वैज्ञानिक एवं छात्र-छात्राएं उपस्थित थे।





Dr. Santosh Srivastava and Dr. Vishal Srivastava of Chemistry department , CMP Degree College and Dr. Uma Rani Agrawal delivered lectures







## MEMORANDUM OF UNDERSTANDING

BETWEEN

DEPARTMENT OF CHEMISTRY

CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE, PRAYAGRAJ  
INDIA

&

DEPARTMENT OF CHEMISTRY

NEHRU GRAM BHARATI (DEEMED TO BE UNIVERSITY), KOTWA JAMUNIPUR,  
DUBAWAL, PRAYAGRAJ-221505, INDIA

ON

PARTNERSHIP FOR JOINT CAPACITY BUILDING, KNOWLEDGE EXCHANGE  
PROGRAM AND RESEARCH COLLABORATION

This Memorandum is understanding is an intended to promote research and cooperation between **Department of Chemistry, C.M.P. Degree College (Prayagraj)** and **Department of Chemistry, Nehru Gram Bharati (Deemed to be University), Kotwa Jamunipur, Dubawal, Prayagraj-221505, India.**

The **Department of Chemistry, C.M.P. Degree College (Prayagraj)**, represented by the Principal of College is Nominee, and **Department of Chemistry, Nehru Gram Bharati (Deemed to be University), Kotwa Jamunipur, Dubawal, Prayagraj**, represented by the Registrar of the NGB or his Nominee, recognizing the benefits to their respective institutions from the establishment of institutional links, hereby agree to enter into this agreement for the following purpose:

### 1. PURPOSE OF AGREEMENT

The purpose of this agreement is to develop research and educational cooperation to establish a collaborative program in defined area of common interest between the institutions and to cooperate in their mutual interests for range of R & D activities.

### 2. AREAS OF COOPERATIONS

Subject to the availability of funds and resources and approval of the authorized representatives or head of the institution, both collaborative partners agree for the following collaborative activities:

- a) Conducting joint research and development projects
- b) Cooperation in individual projects
- c) Organization of lectures, symposia, international meetings, conferences and workshops in areas of common interest
- d) Visits/Training program of researchers, employees, and students
- e) Adopting institutional expertise for consultancy in the specific areas of mutual relevance

### 3. IMPLEMENTATION

3.1 All programs and activities implemented under the terms of this Memorandum of

*Alchan*  
15/12/22

15/12/2022

Understanding (MoU) shall be mutually agreed upon in writing, including the necessary budget for the programs or activities as the need may arise.

3.2 Each of the participating institutions shall be fully responsible financially for the activities carried out under its direction or by its staff, except as otherwise agreed by the parties.

3.3 Financial liabilities and benefits will be mutually agreed and shared by the parties.

#### 4. INTELLECTUAL PROPERTY

Both partner institutions agree to respect to each other's rights to intellectual property. Further the intellectual property rights (IPR) that arise as a result of any collaborative work or activity under this MoU will be worked out on a case-by-case basis, and will be consistent with the officially laid down IPR policies of both institutions.

#### 5. DURATION AND RENEWAL OF AGREEMENT

This Memorandum of Understanding will become effective immediately after signature by the representatives of both Department of Chemistry, C.M.P. Degree College (Prayagraj) and Nehru Gram Bharati (Deemed to be University), Kotwa Jamunipur, Dubawal, Prayagraj-221505, India for a period of five years and is subject to revision or modification by mutual agreement.

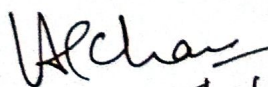
#### 6. AMENDMENTS

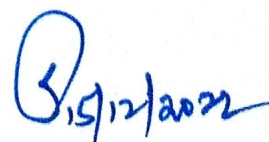
6.1 This Memorandum of Understanding may be amended by a written agreement signed by the representative of both parties.

6.2 If any disagreement arises as a result of the application, interpretation, or implementation of this agreement, the institutions will make every effort to resolve their differences.

#### 7. TERMINATION OF AGREEMENT

This agreement may, at any time during its period of validity, be terminated by either party upon prior notice to the other party in writing not later one month before the termination date, provided that such termination shall not affect the completion of any program or activity

  
15/12/22

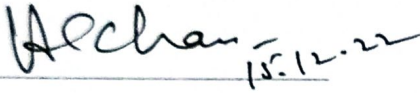
  
15/12/2022



underway at the time the notice of termination is given.

## 8. APPROVAL

In agreement with the above terms of participation, the authorized representatives of the Department of Chemistry, C.M.P. Degree College (Prayagraj) and Department of Chemistry, Nehru Gram Bharati (Deemed to be University), Kotwa Jamunipur, Dubawal, Prayagraj hereby affix their signatures.

  
15.12.22

Prof. A.P. Khare  
Principal  
C.M.P. Degree College  
Prayagraj  
**PRINCIPAL**  
**C.M.P. DEGREE COLLEGE**  
**PRAYAGRAJ**

  
15/12/2022

R. L. Vishwakarma  
Registrar  
Nehru Gram Bharati (Deemed to be University),  
Kotwa Jamunipur, Dubawal, Prayagraj India

**आर० एल० विश्वकर्मा**  
कुलसचिव  
नेहरू ग्राम भारती (मानित विश्वविद्यालय)  
प्रयागराज-221505

**ACTIVITY REPORT BETWEEN**  
**C.M.P. DEGREE COLLEGE PRAYAGRAJ**  
**&**  
**NEHRU GRAM BHARATI (DEEMED TO BE UNIVERSITY) KOTWA**  
**JAMUNIPUR, PRAYAGRAJ**

CMP Degree College and Nehru Gram Bharati (Deemed to be University) has long association in academics, research and other policy building activities. By considering these facts Chemistry Department, CMP College and NGBU have agreed to sign a MOU on 15 December, 2022. Different activities regarding knowledge exchange and research activities have been conducted under this MOU. Dr. Mridula Tripathi and Dr. Pravin K. Singh, Department of Chemistry, CMP Degree College have been co supervision of students Dr. Priyanka Chawla and Miss Manisha respectively, who are student of Nehru Gram Bharati Deemed to be University. Faculty members of Department of Chemistry CMP Degree College Prayagraj have also been an active member in the different research related activity of Nehru Gram Bharti Deemed to be University.


**A Study of the Performance of Nanometal Oxide  
Semiconductor Photoanode and Polymer Electrolyte  
based dye Sensitized Solar Cells**



**A Thesis Submitted to the  
Nehru Gram Bharati (Deemed to be University)  
for the award of the Degree of  
DOCTOR OF PHILOSOPHY**

**In  
Science  
By**

**PRIYANKA CHAWLA**

**Enrollment No.- NGB-15-D/CHE-013**

**Under Supervision of**

**Dr. Mridula Tripathi  
Co-Supervisor**

Department Of Chemistry  
C.M.P. Degree College,  
University Of Allahabad,  
Prayagraj, India -211002.

**Dr. Prashant K. Singh  
Supervisor**

Department Of Chemistry  
Nehru Gram Bharati (Deemed to be  
University)  
Kotwa-Jamunipur, Dubawal,  
Prayagraj (U.P.)

Department of Chemistry, Faculty of Science  
Nehru Gram Bharati (Deemed to be University)  
KOTWA-JAMUNIPUR, DUBAWAL, PRAYAGRAJ (U.P.)



Department of Chemistry

Nehru Gram Bharati (Deemed to Be University)  
Kotwa-Jamunipur- Dubawal, Prayagraj (U.P.)

### *Certificate*

This is to certify that the thesis entitled "A Study of the Performance of Nanometal Oxide Semiconductor Photoanode and Polymer Electrolyte based dye Sensitized Solar Cells" embodies the bonafide research work carried out by Mrs. Priyanka Chawla (Enroll. No.: NGB-15-D/CHE-013), under our supervision and is being submitted for the award of Degree of Doctor of Philosophy in Sciences. Mrs. Priyanka Chawla has put the desired period of attendance as per rules of the Nehru Gram Bharati (Deemed to be University) Prayagraj.

(Dr. Mridula Tripathi)  
Co-Supervisor

Associate Professor  
DEPARTMENT OF CHEMISTRY  
C.M.P. DEGREE COLLEGE,  
UNIVERSITY OF ALLAHABAD,  
PRAYAGRAJ, INDIA -211002

(Dr. Prashant K. Singh)  
Supervisor  
Head

DEPARTMENT OF CHEMISTRY  
NEHRU GRAM BHARATI  
(DEEMED TO BE UNIVERSITY)  
KOTWA-JAMUNIPUR, DUBAWAL,  
PRAYAGRAJ (U.P.)

# NEHRU GRAM BHARATI VISHWAVIDYALAYA

KOTWA-JAMUNIPUR-DUBAWAL, ALLAHABAD  
(Deemed to be University u/s 3 of UGC Act 1956)



This is to certify that *Mr./Ms./Mrs. Pranjana Chawla*..... CRET Year 2015  
Enrol. No. *NG.B-15-D/CHE-013*..... successfully completed the Ph. D. Course Work of the University as  
per the UGC regulations 2009 and secured marks mentioned below :

Paper 1 Computer Application	( 82 /100)	Paper 3 Gram Pravas	( 80 /100)
Paper 2 Research Methodology	( 36 /100)	Paper 4 Seminar	( 68 /100)

Dated : *9.12.16*  
Allahabad

(Dr. Kailash Nath Pandey)  
Registrar

(Prof. K. B. Pandeya)  
Vice Chancellor



# NEHRU GRAM BHARATI

(DEEMED TO BE UNIVERSITY)

Katwa-Jamanpur-Dubauti, Prayagraj-221505, Uttar Pradesh (INDIA)

Administrative Office  
Hanumanganj Campus  
G.T. Road, Hanumanganj, Prayagraj-221505,  
Uttar Pradesh  
Email : info.ngbu@gmail.com

Ref: NGBDU/JRC/CRET-20CHE-08/1838

Date: 26/06/2023

To,

**Ms. Manisha**  
Research Scholar, Department of Chemistry,  
Nehru Gram Bharati (Deemed to be University),  
Prayagraj

**Subject:** Allotment of Ph.D. Research Topic and Supervisor

In response to your application for registration to the Ph.D. programme in this Deemed to be University, the competent authority is pleased to approve your candidature for registration to the Ph.D. programme.

In pursuance to Resolution No. 01 of the D.R.C meeting dated 06.08.2022 and 11.02.2023 the name of the Supervisor and the topic are approved as under:

Topic of Research:

Synthesis and characterization of biologically active Heterocyclic compounds

**Name of the Supervisor** : Dr. Anita Singh  
**Name of the Co-Supervisor** : Dr. Pravin Kumar Singh, Assistant Professor, CMP Degree College, Prayagraj.  
**Subject** : Chemistry  
**Department** : Chemistry

You have been registered w.e.f. 23.11.2020 and your Registration no. is NGBDU/JRC/CRET-20CHE-08

Yours Sincerely

(R.L. Vishwakarma)

Registrar

Copy to :

1. Supervisor : Dr. Anita Singh, NGBDU, Prayagraj.
2. Co-Supervisor : Dr. Pravin Kumar Singh, Assistant Professor, CMP Degree College, Prayagraj.
3. Head of the Department, NGBDU, Prayagraj.
4. Director, Research Center : Dr. Rabin Prakash Ojha
5. Research Scholar's file : Ms. Manisha , CRET - 2020

**Instructions**

- Your registration in Ph.D. programme is to be approved on per visit, registration and Ph.D. conditions of the Nehru Gram Bharati (Deemed to be University). You are required to submit an advisory program report to DRC through the supervisor on the work done by you and the work you propose to do in the ensuing academic year. Further it is required to complete your research work and submit the thesis with in a period of two years from the date of registration/commencement of date of taking admission (Interim/regular level for the Pre-Ph.D. Course)
- The candidate shall not be entitled or permitted to receive any or continue his earlier admission in any other degree granting courses of study or whole time academic program whether in the Deemed to be University or in any other institution, and his/her admission to the Ph.D. program shall stand terminated at admission stage if he is discovered to have been in violation of this requirement.
- The candidate shall report and attend his/her attendance at the concerned academic centre on all working days which shall be supervised by the Director, Research Center
- Subject to the sanction of the DRC may require re-examination of the supervisor (within the candidate's total time span) not less than one year before the submission of his/her thesis, to verify his/her level of research at that stage thereof.
- The candidate shall submit at least one research paper in a referred journal or in a journal as shown in UGC website before the submission of the thesis/dissertation for publication and provide an evidence for the same in the form of acceptance letter or the receipt.



# RESEARCH CENTRE NEHRU GRAM BHARATI

(Deemed to be University)

KOTWA-JAMUNIPUR-DUBAWAL, PRAYAGRAJ-221505 (U.P.)

Ref No: NGB (DU)/RC/DRC (2023)/2295

Date: 05-02-2024


## Notice

With Reference to letter received from DRC of Chemistry Department (Dated 01-02-2024); Pertinent DRC meeting to be held on 08-02-2024 at 01:00 PM at Research Centre, Shashi Campus. Further to inform; Dr. P.K. Singh, Asst. Professor, Chemistry Department, CMP Degree College, Prayagraj, Uttar Pradesh will be external expert in the meeting.

The agenda of DRC meeting are as follows:

1. To allot Research Supervisor and Research Topic for Research Scholar's CRET-2021 & 2022.

It is requested from all the concerned DRC members for their presence in above Scheduled DRC meeting.

  
5/02/24

Dr. Asheesh Shivam

Director

Research Centre (Shashi Campus)  
Nehru Gram Bharati  
(Deemed to be University) Prayagraj

### Copy to: The following for information:

- P.A. to VC for kind information of the VC.
- P.A. to Pro VC for kind information of the Pro VC.
- All members of the Committee.
- Accountant, Shashi Campus, NGB (DU), Prayagraj.
- Notice Board Research Centre.
- Guard File

# **MEMORANDUM OF UNDERSTANDING (MoU)**

SESSION - 2023-24

**BETWEEN**

**HEMWATI NANDAN BAHUGUNA GOVT. P.G. COLLEGE, NAINI,**

**PRAYAGRAJ**

*(AFFILIATED TO PROF. RAJENDRA SINGH(RAJJU BHAIYA) UNIVERSITY, PRAYAGRAJ, U.P.)*

**&**

**CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE, PRAYAGRAJ**

*(A CONSTITUENT COLLEGE OF UNIVERSITY OF ALLAHABAD, PRAYAGRAJ, U.P.)*

**FOR**

**SKILL DEVELOPMENT, RESEARCH AND INNOVATION,  
OUTREACH PROGRAMMES AND ACADEMIC ACTIVITIES**



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the .....- Two Thousand and Twenty-Two(.....), by and between-

**HEMWATI NANDAN BAHUGUNA GOVT. P.G. COLLEGE, NAINI, PRAYAGRAJ AFFILIATED TO PROF. RAJENDRA SINGH (RAJJU BHAIYA) UNIVERSITY, PRAYAGRAJ (U.P.), THE FIRST PARTY** represented herein by its PRINCIPAL

AND

**CHAUDHARY MAHADEV PRASAD DEGREE COLLEGE, A CONSTITUENT COLLEGE OF UNIVERSITY OF ALLAHABAD, PRAYAGRAJ (U.P.),** and represented herein by its PRINCIPAL.

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

**WHEREAS:**

A) First Party is DEPARTMENT OF CHEMISTRY of Higher Educational Institution named:

**HEMWATI NANDAN BAHUGUNA GOVT. P.G. COLLEGE, NAINI, PRAYAGRAJ AFFILIATED TO PROF. RAJENDRA SINGH (RAJJU BHAIYA) UNIVERSITY, PRAYAGRAJ (U.P.).**

B) Second Party is DEPARTMENT OF CHEMISTRY of very prestigious institution named:

**CHAUDHARY MAHADEV PRASAD DEGREE COLLEGE, A CONSTITUENT COLLEGE OF UNIVERSITY OF ALLAHABAD, PRAYAGRAJ (U.P.),**

C) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

D) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Outreach Programme, Education and Research.

E) Both Parties, being legal entities in themselves desire to sign this MoU for advancing their mutual interests.

**NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:**

#### **CLAUSE 1**

##### **CO-OPERATION**

- 1.1** Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2** First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of both Parties providing significant inputs to them in developing suitable teaching / training systems.
- 1.3** The general terms of co-operation shall be governed by this MoU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MoU.

#### **CLAUSE 2**

##### **SCOPE OF THE MoU**

- 2.1** The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of research / training institution. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.

- 2.2 Research and innovation:** The Parties will give valuable inputs to each other in research and innovation facilities/ methodology/programme and would enable accessibility of resources of their institutions to facilitate and promote research and academic activities
- 2.3 Training & Visits:** Research / training institution and Higher education institution interaction will give an insight in to the latest developments / requirements of the industries; both the parties would permit the Faculty and Students of other party institutions to attend training programs conducted in their institutions. The training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career.
- 2.4 Skill Development Programs:** Both the parties would run some training programme and include students of both the institutions. This would enable students of both the institutions to acquire knowledge on the emerging technologies in order to bridge the skill gap and make them ready for smooth transition from academic to working career.
- 2.5 Guest Lectures:** Both the parties extend the necessary support to deliver guest lectures to the students of the other party on the basic training, technology trends and in house requirements.
- 2.6 Faculty Development Programs:** Both the parties would help each other to train the Faculties of both institutions for imparting training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.
- 2.7** Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programme on the terms specified herein

2.8 There is no financial commitment on the part of both the parties to take up any programme mentioned in the MoU. If there is any financial consideration, it will be dealt separately.

### CLAUSE 3

#### INTELLECTUAL PROPERTY

3.1 Nothing contained in this MOU shall, by express grant, implication, estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

### CLAUSE 4

#### VALIDITY

4.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms.

4.2 This MoU can be terminated by either Party by issuing a prior notice of 3 months to the other Party.

### CLAUSE 5

#### RELATIONSHIP BETWEEN THE PARTIES

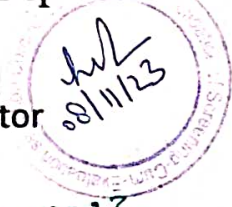
5.1 It is expressly agreed that **First Party** and **Second Party** are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MoU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

Signed on behalf of First Party

*Shubla*  
Dr. Poonam Shubla  
Head of the Department

IQAC Coordinator



*Dr. Om Prakash*  
Principal  
8-11-23  
(Dr. Om Prakash)

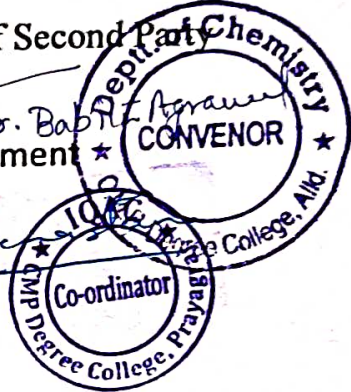
Hemwati Nandan Bahuguna Govt. P.G.  
College, Naini, Prayagraj, 211008

हैमवती नन्दन बहुगुणा राजकीय  
स्नातकोत्तर महाविद्यालय  
नैनी-प्रयागराज

Singed on behalf of Second Party

*Dr. Babu Agrawal*  
Head of the Department

IQAC Coordinator



Principal

Chaudhary Mahadeo Prasad Degree  
College  
Prayagraj, 211001

*Alchan*  
8-11-23



Tel. : 0532-2695138  
Email : hnaini@yahoo.in  
Web : www.hnbgcollegenaini.org

# हेमवती नन्दन बहुगुणा राजकीय स्नातकोत्तर महाविद्यालय

नैनी, इलाहाबाद - 211008

पत्रांक MC.NM

दिनांक 30/07/2022

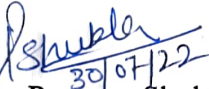
## CERTIFICATE

To whom so ever it may concern


This is to certify that Dr Santosh Srivastav, Associate Professor, department of Chemistry, CMP College, Prayagraj has delivered a valuable lecture on the topic "Reagents in chemistry and its applications."

Our College along with our students is highly obliged for sharing his valuable thought, great knowledge and broad experience. We wish him all the best and great success in all his endeavours.

With Regards

  
Dr. Poonam Shukla  
H.O.D

Department of Chemistry  
H.N.B. Govt. P. G. College  
Naini, Prayagraj

  
Prof. Om Prakash  
Principal  
H.N.B. Govt. P. G. College  
Naini, Prayagraj



Tel. : 0532-2695138  
Email : hnaini@yahoo.in  
Web : www.hnbpgcollegenaini.org

# हेमवती नन्दन बहुगुणा राजकीय स्नातकोत्तर महाविद्यालय

नैनी, इलाहाबाद - 211008

पत्रांक m.c.n.u

दिनांक 30/07/2022

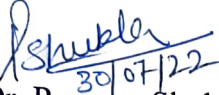
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With Regards

  
30/07/22  
Dr. Poonam Shukla

H.O.D

Department of Chemistry  
H.N.B. Govt. P. G. College  
Naini, Prayagraj

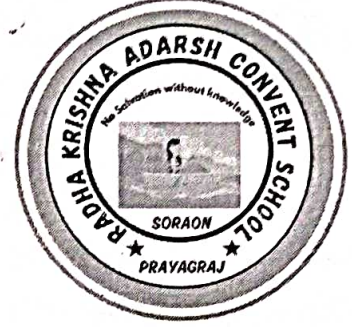


Prof. Om Prakash

Principal

H.N.B. Govt. P. G. College  
Naini, Prayagraj

MOU between CMPDC & RADHA KRISHNA ADARSH CONVENT SCHOOL



**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE, PRAYAGRAJ**

**INDIA**

**&**

**RADHA KRISHNA ADARSH CONVENT SCHOOL, SORAON, PRAYAGRAJ, INDIA**

**ON**

**PARTNERSHIP FOR JOINT CAPACITY BUILDING, KNOWLEDGE EXCHANGE  
PROGRAM AND INTER-INSTITUTIONAL ACTIVITIES**



## **I. Description of collaborating parties**

CHAUDHARY MAHADEO PRASAD DEGREE, PRAYAGRAJ (CMPDC), AND RADHA KRISHNA ADARSH CONVENT SCHOOL, SORAON, PRAYAGRAJ, INDIA, each referred to individually as "party" and collectively as "parties" have a common interest to inculcate scientific knowledge in the common interest of society.

- CMPDC is a Constituent College of the University of Allahabad, Prayagraj is a part of Central University under University Grant Commission, New Delhi.
- To produce competent, ethical, and innovative graduates/ postgraduates and Research scholars through providing quality teaching and research, co-curricular and cultural involvement.
- To conduct problem-solving research through the active involvement of stakeholders; and
- Design and provide community and consultancy services that shall cater to the developmental needs of the country through active involvement of community and stakeholders in the field of basic science and it's applications to human life.

The Radha Krishna Adarsh Convent School, is located in Soraon, Prayagraj, Uttar Pradesh and is one of the oldest School working in the field of education. The School was established in the year 2001 and the main objective of its establishment was the propagation of girls education in the outskirts area of the district.

This MoU is signed between:

**Chaudhary Mahadeo Prasad Degree College, A constituent PG College of University of Allahabad, A Central University governed by UGC under 12 (A), located at M.G. Marg, Prayagraj, Uttar Pradesh- 211002, India**

**AND**

**Radha Krishna Adarsh Convent School, is located in Soraon, near State Bank of India, Soraon, Prayagraj, Uttar Pradesh-212502, India**

**PREAMBLE**

The Radha Krishna Adarsh Convent School, Soraon, Prayagraj, and the C.M.P. Degree College, Prayagraj, hereinafter called the 'Partners', find it mutually beneficial to have a formal understanding for academic scientific extension collaboration between them. Based on mutual co-operation and understanding, the Partners shall resort to collaborative academic and scientific activities through exchange of knowledge and expertise in the basic education.

**Partners to the Memorandum**

The partners to this Memorandum of Understanding are C.M.P. Degree College, Prayagraj represented by Prof. Ajay Prakash Khare, Principal or his nominee on one side, and Dr. Uma Chaurasia, Principal of the School, or his nominee, on the other.

**Details of Understanding**

1. The Radha Krishna Adarsh Convent School may conduct academic scientific activities using the infrastructure of the College for propagation of Science, basic education and skill development in Hindi/English language so that common people of society also be benefited.
2. The College will provide the resource persons and students to Radha Krishna Adarsh Convent School for propagation of Science, basic education and skill development in Hindi/English language.
3. The Radha Krishna Adarsh Convent School may provide students and faculty to the College in buildup of skill of scientific and skill development in Hindi/English language.
4. Students and faculty members of the College may get opportunity to interact with renowned experts in mulfarious scientific fields from all over India at the Radha Krishna Adarsh Convent School.
5. The Radha Krishna Adarsh Convent School may help in publication of books in Hindi/English language on different field of education and skill.
6. The College and Radha Krishna Adarsh Convent School may jointly organise seminars, workshops, conferences, book launches etc.
7. Both the partners can undertake any other academic activity with mutual consent.

**Date of Effect**

The MOU between the two Partners will take effect from the date of signature and will remain in

force unless terminated by one party on a three months' notice.

**Authorized Signatories**

Each party/ institution represents that the individuals signing this memorandum of understanding have the authority to sign on its behalf in the capacity indicated.

IN WITNESS whereof the undersigned, being duly authorized thereto, have on behalf of the parties hereto signed the present Memorandum of Understanding at the place and on the day stipulated below

**Radha Krishna Adarsh Convent  
School**

Signature: Um  
Name: Dr. Uma Chaurasia  
Title: Principal  
Date: \_\_\_\_\_

**Principal  
Radha Krishna Adarsh  
Convent School  
Soraon, Prayagraj**

**Chaudhary Mahadeo Prasad Degree College**

Signature: Alchan  
Name: Prof. Ajay Prasad  
Title: Principal  
Date: \_\_\_\_\_



Witness 1:

AP

**Dr. Archana Pandey**  
Convener Institute Innovation Council  
CMP Degree College Prayagraj

Witness 2:

Himani Chaurasia

**Dr. Himani  
Chaurasia**  
Co-Convener Institute Innovation Council  
CMP Degree College Prayagraj

Witness 3:

Sarita

**Dr. Sarita Srivastava**  
Co-ordinator IQAC/ Vice President IIC  
CMP Degree College Prayagraj

Witness 4:

Btq

**Dr. Babita Agrawal**  
Co-ordinator NAAC  
CMP Degree College Prayagraj



# 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



**Event name:** Theme: Innovation/Entrepreneurship & Start-Up

**Name of Activity:** Workshop, Expert Talk & Entrepreneurship: Outreach Program in School

**Date:** February 11, 2023

**Programme driven by:** IIC Calendar Activity, Institute Innovation Cell, CMP Degree College, Prayagraj

**Duration of activity (in hrs):** 6 hrs

**Number of Student Beneficiary:** 120

## About Event:

The Institute Innovation Cell of CMP Degree College has organized an Innovation & Entrepreneurship Outreach Program in School of rural area. The program was conducted in Radha Krishna Adarsh Convent School, Soraon, Prayagraj for their students under the supervision of President IIC/ Principal of the College, Prof. Ajay Prakash Khare and Convenor IIC, Dr. Archana Pandey. The Co-convenor of IIC/ Innovation Ambassador, Dr. Himani Chaurasia has given the introduction of the Institute Innovation Cell to the students and also explains about Innovation & Entrepreneurship, MoE's Innovation Council, Yukti Portal, etc. The team of our college show a play with the moto to motivate the students towards the entrepreneurship. Students of Radha Krishna Adarsh Convent School has also participated in innovative rangoli competition. Convenor IIC, Dr. Archana Pandey told the students about the relevance of entrepreneurship and also talk about why entrepreneurship is better than job and is the need of the time.

## Facebook URL:

<https://www.facebook.com/share/p/ArTLqSGEN9KAHXTK/?mibextid=Nif5oz>

## Photographs





Deoberpur, Uttar Pradesh, India  
 JR4X + 8W6, Deoberpur, Soraon, Uttar Pradesh 212502, India  
 Lat 25.605887  
 Long 81.849838  
 11/02/23 1:16 PM GMT +05:30



Deoberpur, Uttar Pradesh, India  
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## Institute Innovation Cell

**CHAUDHARY MAHADEO PRASAD DEGREE COLLEGE**  
 (A CONSTITUENT PG COLLEGE OF UNIVERSITY OF ALLAHABAD)  
 NAAC Accreditation "B" 2.75 Grade (2015)  
 Email: cmpdct@gmail.com, ic.cmp999@gmail.com

Selected Under Strengthening Component of DBT Star College Scheme

Outreach Activity in Radha Krishna Adarsh Convent school, Soraon, Prayagraj (11 February 2023)

<i>Patron</i> <b>Ch. Jitendra Nath Singh</b> <small>Hon'ble Chairman C.M.P. Degree College</small>	<i>President</i> <b>Prof. Ajay Prakash Khare</b> <small>Principal C.M.P. Degree College</small>	<i>Vice-President</i> <b>Dr. Sarita Srivastava</b> <small>Department of Botany C.M.P. Degree College</small>	<i>Convener</i> <b>Dr. Archana Pandey</b> <small>C.M.P. Degree College</small>	<i>Co-convener</i> <b>Dr. Himani Chaurasia</b> <small>C.M.P. Degree College</small>
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*Himani Chaurasia*

**Dr. Himani Chaurasia**  
 (Event Convener & IA, IIC, CMP)



**Dr. Archana Pandey**  
 (Convener IIC, CMP)