4 March 2020

MEMORANDUM OF UNDERSTANDING TO PROMOTE ACADEMICS AND RESEARCH INTERACTION AND COOPERATION

- out in IVSS and other

Between



KAMLA NEHRU MAHAVIDYALAYA SAKKARDARA SQUARE, NAGPUR

&



SETH KESARIMAL PORWAL COLLEGE OF ARTS AND SCIENCE AND COMMERCE, KAMPTEE

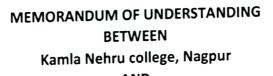
DATED-04/03/2020



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Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee

To promote Academics, Research Interaction and Co-operation

This Memorandum of Understanding entered into on 04/03/2020 between

Kamla Nehru Mahavidyalaya,Sakkardara, Nagpur

&

Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee

1. Objectives

Kamla Nehru Mahavidyalaya, Sakkardara, Nagpur and Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee desiring to promote academic interaction and research co-operation between the two institute and will undertake joint research work in the areas of mutual interest.





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स्ती. प्रतिका सन् काश्वार परवानी का ०५ रेड ४ कोड नं. ४६०२०१७ तहसील कायालय काम ते ते कामठी जि. नागपूर





The concerned Teachers, PG Scholars, UG students, Ph.D.Scholars, Scientist and technical personnel of Kamla Nehru and Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee will formulate a) research projects for joint work with due approval of both the institutions, and b) training programmes for staff and students and technical personnel within the areas of co-operation will be undertaken at the two institutions.

Joint sponsored and consultancy projects with both long term and short term goals could be undertaken, keeping in view the interest and philosophies of the respective institutions.

2. Exchange / Deputation of Staff

Both Kamla Nehru and Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee jointly agree:

To exchange Teachers, PG Scholars,Ph.D.Scholars,Scientists/technical personnel on full-time/part-time basis for a limited period not exceeding one year at a time for the purpose of implementation of joint tasks within the areas of co-operation. The expenses towards research on honorarium, consumables, travel and contingencies shall be borne by each party on their own as specified in the joint research programme.

That the Teachers, PG Scholars,Ph.D.Scholars,Scientists/technical personnel will be encouraged to deliver lectures/invited talks at the other institution. The TA/DA and the honorarium for the lectures shall be borne by the host institution.

3. Joint Conference/Workshop/Courses/Dissertation

Both the institutions agree to hold/conduct, whenever feasible, joint Workshops, Conferences, Training Courses within the areas of co-operation.

4. Sharing of Facilities

The two institute agree to shape their respective important R & D facilities in order to promote academic and research in the areas of cooperation to intensify the high priority area programme of Science and Technology

Access to laboratory, library and other supporting facilities for the staff involved in the joint research programme at a Kamla Nehru and Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee will be provided by both institutes.

5. Areas of Co-operation

The areas of co-operation will be defined and modified from time to time by the co-ordination committee set up for the purpose. The areas identified for cooperation are:

- Kamla Nehru College will provide training on the basic technology .Level 1-2 to under graduate students of collaborative institute and level 3-4 to post graduate students on nominal / fixed charges.
- Kamla Nehru College will provide certificate courses /Advanced Life science technology & skill development courses for 3 months and 6 months,
- Kamla Nehru and SKPC, Kamptee will take routine lecture on advance techniques and advance & recent science topics once or twice in a year with a collaborating Institute without any fees.



- Kamla Nehru will arrange 1 experiment in addition to lecture in Institute for demonstration of various diagnostic tools, kits and instruments for the knowledge of candidate & under and post graduate students.
- Techniques or practical part included in syllabus will be included in the training on nominal charges.
- Kamla Nehru College will arrange one free lab visit for the collaborative Institute once in a year for selected students for the exposure.
- Both the Institute can organize local conference for advanced topics for the scientist, teachers and students on mutual agreement.
- Wherever necessary both Institutes will provide their advanced faculty to researcher
 working in collaborating Institute for their research work as per the quotation/Nominal
 charges approved by both the institute.

6. Co-ordination Committee

The following will constitute the Coordination committee to monitor and review the collaborative programme between the two institutes:

- a) Principal, Kamla Nehru and /or his nominee(s)
- b) Principal, S.K. Porwal College and/or his nominee(s)
- c) Coordinator, S.K. Porwal College
- d) Coordinator, Kamla Nehru
- e) HOD of the concerned department(s) from both of the institutions to be invited whenever needed

The Co-ordination Committee shall;

- Review the progress of the identified programmes at least once a year.
- Consider the new R & D proposals for joint collaboration and implementation on case to case basis including intellectual Property Right (IPR) and financial arrangements.
- Consider the addition/deletion of areas of co-operation between the two institutions during review.
- Consider the continuance of the MoU.
- If want to terminate the MoU both the parties have to give notice 1 month prior.

7. Publications

All publications in the programmes of co-operation will be co-authored by the concerned staff/Research Fellow and technical personnel of Kamla Nehru and SKPC.

8. Non-Disclosure

In case of joint research and consultancy projects taken up by Kamla Nehru and SKPC, no party shall disclose any information to media/any unauthorized person from each institute in any form whether electronic/print without mutual consent and approval by Coordination Committee.

9. Validity Period

This MOU shall remain valid for a period of five years from the date of signing unless renewed. At the end of validity period of the MOU, a fresh MOU with similar/modified terms may be considered for signing.



In witness where of the two parties have signed this memorandum of understanding by both the parties on date 04, month 03 and year 2020

Authorised Signatory on behalf of Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee 441001 Dist-Nagpur

1st Partner name Porwal College of Arts and Science and : Seth Kesarimal

Commerce, Kamptee 441001 Dist-Nagpur

Partner representative

: Dr. Mahendra B. Bagade

Position

: Principal

Address

: Seth Kesarimal Porwal College of Arts and Science and

Commerce, Kamptee 441001 Dist-Nagpur

Telephone

: +91-7109288346

e-mail

: principal@skpckamptee.org

Website

: www.skpckamptee.org

Principal S.K.P. College, Kamptee

Authorised Signatory on behalf of Kamla Nehru Mahavidyalaya, Sakkardara chowk, Nagpur

2nd Partner name

: Kamla Nehru College, Sakkardara Nagpur

Partner representative

: Dr. Dilip S. Badwaik

Position

: Principal

Address

: Kamla Nehru College, Sakkardara, Nagpur

Telephone

: (0712)2747853,2749784

e-mail

: kncnag@rediffmail.com

Website

: www.kamlanehrucollege.ac.in

Kamla Nehru Mahavidyalaya Sakkardara Chowk, Nagpur

In presence of,

1. Dr. Jayshree Thaware

2. Dr.Rashmi Jachak

3. Dr. Sandhya Moghe

SETH KESARIMAL PORWAL COLLEGE OF ARTS AND SCIENCE AND COMMERCE, KAMPTEE DEPARTMENT OF BOTANY

REPORT

Popular Science lecture (webinar) in Kamala Nehru Mahavidyalaya, Nagpur under MoU activity by Dr Shalini Chahande

The memorandum of Understanding was come into existence with Kamla Nehru Mahavidyalaya, Nagpur on 04/03/2020. The MoU was done to promote academics and research interaction and cooperation.

One day popular science lecture(webinar)on 'Vaccine development: The current Pandemic Scenario' was organized under MoU activity in association with Indian Women Scientist Association, Nagpur Branch supported by BRNS-DAE with Kamala Nehru College, Nagpur on 5th March 2021 through online mode on Zoom App. The guest lecture objective was to introduce the students the advancement in vaccine development in recent times. A total 250 students participated in this webinar. The key guest speaker of this event was Dr Shalini Chahande Assistant Professor in Biochemistry, S.K.Porwal College, Kamptee. She has given presentation on respective topic. She has highlighted the need of present scenario and details of vaccine development with its applications and advantages. She emphasized about important techniques in Biotechnology for the development of vaccine and different process involvement in commercialization of it and many more. The session was interactive and informative and students get to know in detail about the technique. The comparing of the event was carried out by Dr Neha Takur Assistant Professor Environment Science Department. The vote of thanks was proposed by Dr Shardul Wagh.

The outcomes of the webinar.

- The students carried information about the benefit of vaccine development and its advantage in preventing dreadful disease.
- The scientific mechanism beneath vaccine development was very well understood.
- All students get benefitted from this webinar and gave positive response through feedback form.

Dr. Jayshree Thaware Head, Department of Botany



Seth Kesarimal Porwal College of Arts and Science and Commerce,Kamptee 441001

INVITATION FOR GUEST LECTURE ON 'PLANT TISSUE CULTURE'

organizes by Department of Botany

Come join the event vertually April 24th 2021, 11.00am

RESOURCE PERSON

DR. SANDHYA MOGHE

ASSISTANT PROFESSOR AND HEAD, EDATEMNT OF BIOTECHNOLOGY, KAMLA EHRU MAHAVIDYALAYA, NAGPUR

DR. JAYSHREE THAWARE

CONVENER

GA. ZING SECREARY

Report on activity under MOU taken

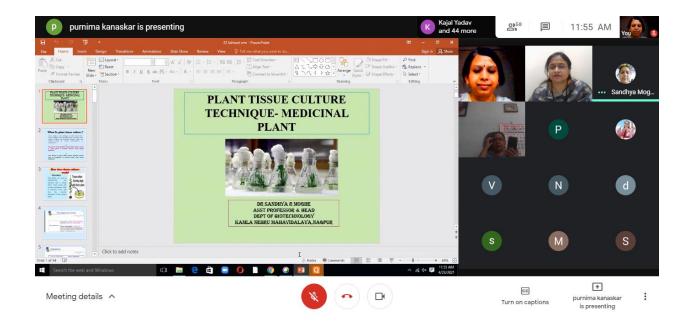
The memorandum of Understanding was come into existence with Kamla Nehru Mahavidyalaya, Sakkardara Nagpur on 04/03/2020. The MoU was done to promote academics and research Interaction and cooperation.

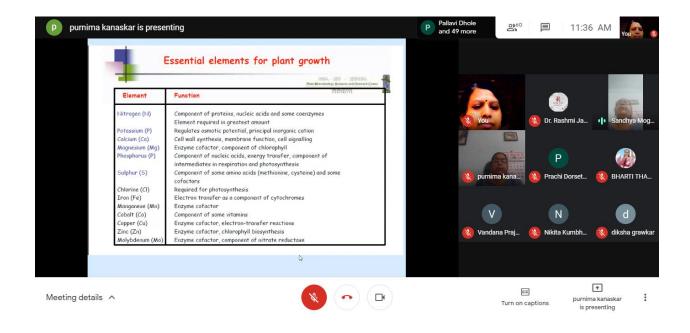
Online Guest lecture by Dr Sandhya Moghe on 'Plant Tissue Culture'

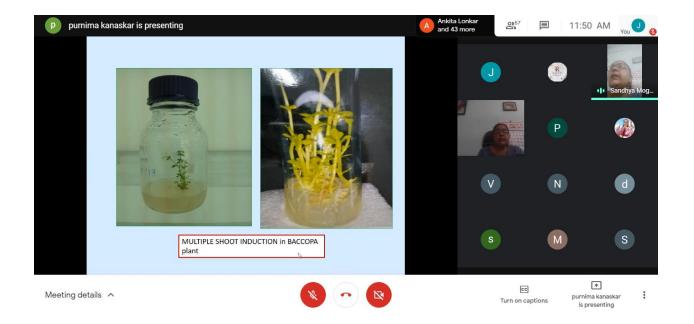
The guest lecture was arranged for Semester VI students of our college of academic session 2020-2021 on 24/04/2021. The resource person for the guest lecture was Dr Sandhya Moghe, Assistant Professor of Biotechnology, Kamla Nehru Mahavidyalaya, Nagpur in online mode on 'Tissue Culture'.

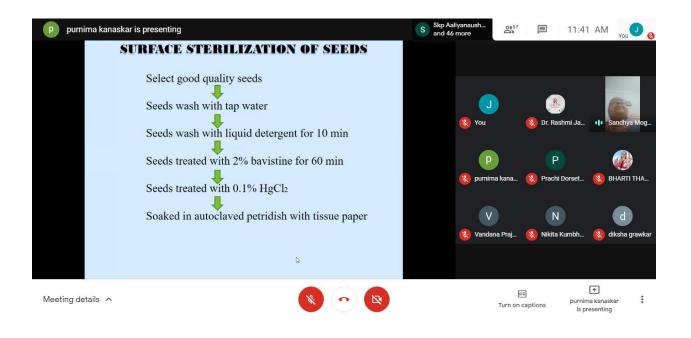
Dr. Moghe madam thoroughly explained and covered the topics like, What is Plant Tissue Culture, Why it is termed as Micropropagation, The Laboratory set up and Optimum Condition required for tissue culture, Equipments, Instruments required for Tissue culture, Different methods of Sterilizations, Culture media Preparations, Preparation of Slants of media, Methods of Surface sterilization of explants, Advantages and disadvantages of micropropagations. A fruitful and Healthy discussion on Genetically Modified crops was carried out. Advantages and disadvantages of transgenic plants were also discussed.

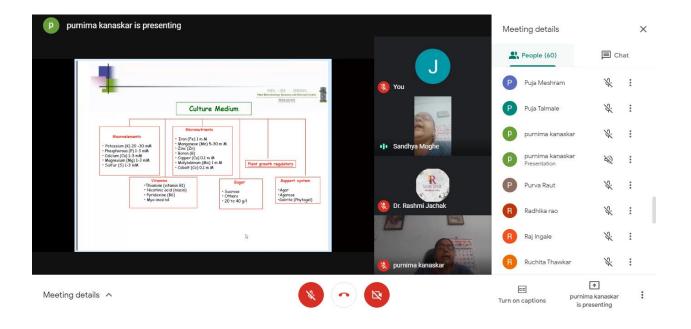
Total 68 students attended the lecture on 'Plant Tissue Culture' on Google Meet. Dr Rashmi Jachak conducted the program and Dr Jayshree Thaware gave vote of thanks.

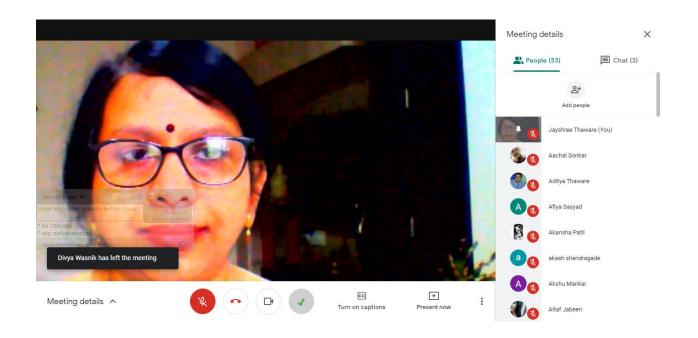












Biotechnology Lab visit under MOU taken by Department of Botany

The memorandum of Understanding was come into existence with Kamla Nehru Mahavidyalaya, Nagpur on 04/03/2020. The MoU was done to promote academics and research interaction and cooperation.

The guest lecture was arranged for Semester VI students of our college of academic session 2021-2022 on Thursday, 10/03/2022. The resource person for the lecture was Dr Sandhya Moghe, Assistant Professor and head Department of Biotechnology, Kamla Nehru Mahavidyalaya, Nagpur on 'Tissue Culture'.

Dr. Moghe madam thoroughly explained and covered the topics like, What is Plant Tissue Culture, Why it is termed as Micropropagation, The Laboratory set up and Optimum Condition required for tissue culture, Equipments, Instruments required for Tissue culture, Different methods of Sterilizations, Culture media Preparations, Preparation of Slants of media, Methods of Surface sterilization of explants, Advantages and disadvantages of micropropagations. A fruitful and Healthy discussion on Genetically Modified crops was carried out. Advantages and disadvantages of transgenic plants were also discussed.

Total 18 students visited the lab and got hand on training on basic aspects of tissue culture. Saurabh Rahangdale gave vote of thanks.

To,

The Principal

S.K.Porwal College,

Kamptee

Sub:-Permission to visit B.Sc. VIth Semester Botany Students to Biotechnology Lab of Kamala Nehru College, Nagpur on 05/03/2022.

Sir,

I the undersigned, wants your permission to visit Biotechnology and tissue culture lab with Semester VI Students at Kamla Nehru Mahavidyalaya, Nagpur on Saturday, 05/03/2022 at 11.00 am, under the MoU activity we made with Kamla Nehru Vidyalaya.

Dr. Rashmi Jachak accompanying me.

Please, grant the permission for lab visit.

Thanking You,

Date: 02/03/2022

Yours Sincerely,

(Dr Jayshree Thaware)

Assistant Professor and Head

Department of Botany

UNDERTAKING FROM STUDENTS

We the following students of B.Sc.III, Semester VI student sign this undertaking regarding following conditions for Biotehnology Lab Visit at Kamala Nehru College, Sakkardara, Nagpur on Saturday, 5th Aarch 2022.

We are signing the undertaking,

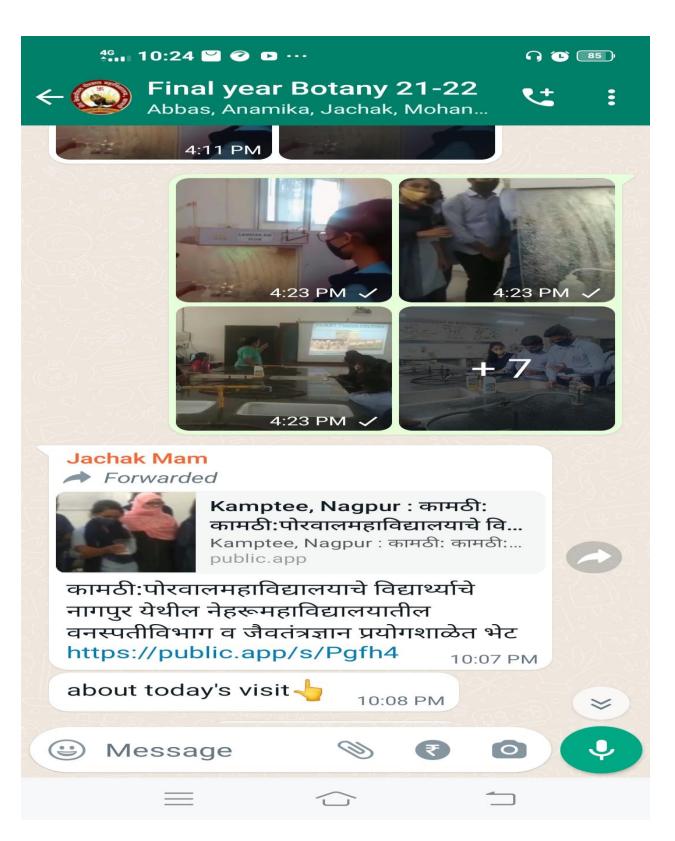
- 1. We will directly reach at Kamala Nehru College, Sakkardara.
- 2. About the discipline during the lab visit.
- 3. Protection of our belongings.
- 4. Any un-foreseen Natural Accidents or Calamities during the visit or travel.
- 5. Obey the instructions given by teachers.

	Sr.	Name of Students	Signature	Mobile No. of	Phone no. of
	No		of	Student	parents
			Student		
	1	Nagma Noor Ansori	Rogma	7769890394	2459361069
	2	Mariyam Khatoon	Navyam		8698379097
	3	Prema M. Lanjewar	Belonger		8806 3 27983
	4	Karina & Marchade	Only.	9022153386	9834008980
	5	Namra Arbad	Coure.	9309832809	8788928104.
	16	Africandia So. Poolal	West	8329874309	No. 10 and 10 an
	7	Pachi H. Mankaro	Prograkos	\$309965986	
	8	Sakshi. B. Rangami	Sal 4hi	84219801968	9421710468
	9	Beadaya J. Shankarpure.	198	8766445952	9011153365
	10	Donu. S. Dorsetwar.	Sone	8262885748	7666177422
	11	Ritika. V. Shende.	Oshends.		3579018243.
*	12	Aachal Tiwayi	Aditual	9356807325	
* 1	13	Raahi Athankas	ARoasti	9022758553	7775069761
1	14	Lawrobh Rahangdale	Der		7066 861291
1	5	Kaunain haiden	Tounain		8 9309593328
1	.6	Vaishnaw Tumshetwar	Manufalle	200	
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19		Anjali Kashyap	Opiale'		7447281532
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Dr. J. S. Thaware Head, Department of Botany