

MEMORANDUM OF UNDERSTANDING

Between

Department of Chemistry,
Pravara Medical Trust's
Arts, Commerce & Science College, Shevgaon.



And

Krushi Vidnyan Kendra, Dahigaon-Ne
(Ahmednagar-II)
Tal-Shevgaon Dist.- Ahmednagar, Maharashtra, India.



S. S. S. S.

Sr. Scientist & Head
Krishi Vigyan Kendra, Dahigaon
Tal. Shevgaon, Dist. Ahmednagar. (M.S.)

S. S. S. S.
HEAD

Department of Chemistry
PMT'S Arts Commerce & Science
College, Shevgaon, Dist. A'Nagar

P. S. S. S.
Principal

Arts, Comm. & Sci. College
Shevgaon, Dist. Ahmednagar

MEMORANDUM OF UNDERSTANDING

Between

Post Graduate Department of Chemistry,

Pravara Medical Trust's

Arts, Commerce and Science College, Shevgaon.

(Affiliated to Savitribai Phule Pune University, Pune)

And

Krushvi Vidnyan Kendra, Dahigaon-ne (Ahmednagar-II)

Tal-Shevgaon Dist.- Ahmednagar, Maharashtra, India 414502.

This Memorandum of Understanding (hereinafter referred to as MoU) is made on this 20th September 2022 between **Post Graduate Department of Chemistry, Pravara Medical Trust's Arts Commerce & Science College, Shevgaon ("Party No.1")**, and **'Krushvi Vidnyan Kendra, Dahigaon-ne Tal-Shevgaon Dist- Ahmednagar, Maharashtra, India. ("Party No.2")**.

WHEREAS,

A. The Department of Chemistry **Pravara Medical Trust's, Arts Commerce & Science College, Shevgaon** is established in the form of College in 2013, which offers Bachelor Degree in Chemistry as well as Master degrees in Organic Chemistry and Analytical Chemistry. Department of Chemistry strives to strengthen its academics through teaching-learning, research and extension activities. It is an active center for higher education and research that does always welcome collaboration with academic as well as Research Laboratories, Industrial and Scientific Enterprises of National and International stature. The Program involved in this MoU is actively engaged in various teaching-learning and research practices in various discipline of Chemistry domain.

B. The **Krushvi Vidnyan Kendra Dahigaon ne** is a district level Farm Science Center established by the Indian Council of Agricultural Research (ICAR), New Delhi established by Shri Marutrao Ghule Patil Shikshan Sanstha at Dahigaon, Tal- Shevgaon Dist.- Ahmednagar 414502 for speedy transfer of technology to the farmers' fields.

S. S. S. S.

Sr. Scientist & Head
Krushvi Vidnyan Kendra, Dahigaon
Tal Shevgaon, Dist. Ahmednagar, (M.S.)

E. S. S.

HEAD
Department of Chemistry
PMT'S Arts Commerce & Science
College, Shevgaon, Dist. A'Nagar

P. S. S.

Principal
Arts, Comm. & Sci. College
Shevgaon, Dist Ahmednagar

Pravara Medical Trust's



Arts, Commerce and Science College, Shevgaon



Tal: Shevgaon Dist: Ahmednagar 414502 Maharashtra, India

Tel: 02429 223031 Fax: 02429 223399 Email: pmt.acsc@gmail.com

College Code: 1481

College ID: PU/AN/Sci/136/2013

Website: www.pmtacscollege.com

MEMORANDUM OF UNDERSTANDING

Pravara Medical Trust's Arts, Commerce and Science College, Shevgaon, Tal- Shevgaon, Dist.- Ahmednagar, Department of Chemistry and Krushi Vidnyan Kendra, Dahigaon-ne, Tal- Shevgaon, Dist.- Ahmednagar (Maharashtra) are hereby signing the memorandum of Understanding (MoU) on 20th September 2022 with following understanding.

- 1) Memorandum of Understanding is for the academic activities of the Department of Chemistry, Pravara Medical Trust's Arts, Science and Commerce College, Shevgaon, Tal - Shevgaon.
- 2) Memorandum of Understanding is for the period of Five years from the date of signing.
- 3) Under this Memorandum of Understanding, staff of Krushi Vidnyan Kendra, Dahigaon-ne will have to give services for the research practices and training to the students of Department of Chemistry, Pravara Medical Trust's Arts, Science and Commerce College, Shevgaon.
- 4) Krushi Vidnyan Kendra, Dahigaon-ne and Department of Chemistry, Pravara Medical Trust's Arts, Commerce and Science College, Shevgaon will guide the students for the use of laboratories in concern subject.
- 5) Both the parties understand and agrees that all return or other tangible data and documentation developed or procured by the other party in performing its obligation under these MoU, whether in printed or electronic form, belong to other party and that other party will have all right, title and interest therein.
- 6) Both parties shall not use the name and brand of the other party in any advertisement or make any public announcement without the prior written approval of the other.
- 7) Any and all disputes or differences arising out of or in connection with his MoU or its performance shall, so far as it is possible, be settling by negotiations between the parties amicably through consultation and understanding.
- 8) The party/College agrees to bear the expenditure during the period of Memorandum of Understanding.

Sr. Scientist & Head
Krishi Vigyan Kendra, Dahigaon
Tal. Shevgaon Dist. Ahmednagar. (M.S.)

HEAD

Department of Chemistry
PMT'S Arts Commerce & Science
College, Shevgaon, Dist. A'Nagar

Principal

Arts, Comm. & Sci. College
Shevgaon, Dist Ahmednagar

MEMORANDUM OF UNDERSTANDING

Party No.1

To : **Dr. Onkar J. Rasal**
Principal
E-mail: pmtacsc@gmail.com
Cell No: +91 9422855890
Address: Pravara Medical Trust's, Arts Commerce & Science College
Shevgaon, 414502 (M.S.) INDIA

Attn. To : **Prof. Amol B. Kardile**
Head, Department of Chemistry,
Pravara Medical Trust's, Arts Commerce & Science College, Shevgaon.
E-mail: kardileamol1999@gmail.com
Cell No: +91 9767596388

Party No.2

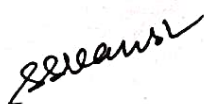
To : **Dr. Shyamsundar S. Kaushik**
Senior Scientist cum Head
Address : Krushi Vidnyan Kendra Dahigaon-ne,
Tal-Shevgaon, Dist.: Ahmednagar, Maharashtra,414502 India.
E-mail: ssfarm2009@gmail.com
02429272020,
Cell no: +91 9424654119

In Witness Thereof, the two parties have caused this MoU to be executed by their duly authorized representatives.

**HEAD CUM SENIOR
SCIENTIST**
Krushi Vidnyan Kendra,
Dahigaon-ne
Tal-Shevgaon,
Dist.: Ahmednagar,
Maharashtra, India

HEAD
Department Of Chemistry
Pravara Medical Trust,
Arts, Commerce and Science
College
Shevgaon, Dist-Ahmednagar
Maharashtra, India-414502


PRINCIPAL
Pravara Medical Trust
Arts, Commerce and Science
College
Shevgaon, Dist-Ahmednagar
Maharashtra, India-414502



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Pravara Medical Trust's,
Arts, Commerce & Science College, Shevgaon

Tal-Shevgaon, Dist-Ahmednagar - 414502.

Department of Chemistry

Organized

Field Visit on 17th December 2022

Report

Date: 17th December 2022

Organized by: Department of Chemistry

Participants: Graduate and Postgraduate Students of Chemistry

Objective: To provide students with hands-on exposure to the practical applications of chemistry in agriculture and related fields.

Overview:

The field visit to the Krushi Vigyan Kendra Dahigaon-Ne aimed to familiarize students with the various departments at KVK, emphasizing the practical applications of their theoretical knowledge in real-world agricultural settings. This experiential learning opportunity also served to bridge the gap between academic concepts and their practical implications in the field of agriculture, helping students understand the interdisciplinary applications of chemistry.

During the visit, students had the opportunity to explore several departments within the KVK, each of which provided insight into various aspects of agriculture where chemistry plays a crucial role. The following departments are visited, along with their contributions and relevance to the student's field of study.

Agronomy and Crop Management

In this department, Mr. Narayan Nibe gave valuable guidance on crop management. Students were introduced to the science behind crop cultivation, growth stages, and yield optimization. The importance of fertilizers, pesticides, and herbicides was discussed, including their chemical compositions and their impact on soil and crop health. The department highlighted sustainable practices, including organic farming methods and the reduction of chemical inputs through integrated pest management, showing the importance of chemistry in developing environmentally friendly farming techniques.

Horticulture Department

The Horticulture Department showcased the methods of cultivation and post-harvest handling of fruits, vegetables, and ornamental plants. Students learned about plant nutrient requirements, preservation techniques, and the role of growth regulators and preservatives. The department explained the chemistry behind plant physiology and growth, with demonstrations on how various nutrients affect plant development. Mr. Nandkishor Dahatonde gave valuable information on Horticulture.

Entomology (Plant Protection) Department

This department Mr. Manik Lakhe educated students on pest management, focusing on the identification and control of common pests affecting crops. Students learned about insecticide formulations, the chemistry of active ingredients, and the processes involved in pest control application. The department also discussed the importance of understanding chemical residues in crops, demonstrating the balance required between effective pest management and food safety.

Plant Pathology Department

The Plant Pathology Department Mr. Prakash Hinge introduced students to disease management, focusing on the detection and control of plant pathogens such as fungi, bacteria, and viruses. Students observed the laboratory analysis methods used to diagnose diseases and learned about the chemical treatments applied to manage them. This session highlighted the importance of chemistry in disease diagnosis and treatment strategies, as well as in the development of disease-resistant crop varieties.

Soil & Water Testing Department

Mr. Prakash Bahirt Sir guided by Soil & Water Testing Department focused on soil health and fertility management, where students learned about soil sampling, testing, and analysis techniques. The department demonstrated the procedures used for analysing soil pH, nutrient levels, and moisture content. The students observed how these analyses directly inform recommendations for crop selection and fertilization, emphasizing the role of chemistry in sustainable agricultural practices.

Conclusion:

The visit provided the Chemistry Department students with a practical understanding of how chemistry intersects with agricultural practices. By interacting with experts from diverse fields, students gained insight into the chemical principles soil & water testing, crop management, horticulture, and pest control. The visit highlighted the necessity of chemical knowledge in various agricultural applications, reinforcing the interdisciplinary nature of their studies and its practical relevance.

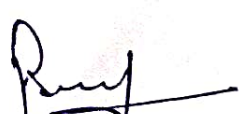
The Chemistry Department extends gratitude Thanks to the Krushi Vigyan Kendra Dahigaon-Ne Head & Senior Scientist Dr. Sham Sunder Kaushik, staff of KVK Mr. Narayan Nibe, Mr. Manik Lakhe, Mr. Sachin Badhadhe Mr. Nandkishor Dahatonde, Mr. Prakash Hinge, Mr. Rahul Patil, Mr. Prakash Bahirat, Mr. Sagar Dhisale, Mr. Dattatry Vanjari, Mr. Anil Deshmukh for their informative presentations, hospitality, and for sharing valuable insights. Their guidance was instrumental in making this field visit a highly educational and memorable experience.


HEAD

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Pravara Medical Trust

ts, Commerce and
Shevgaon




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Pravara Medical Trust's,
Arts, Commerce and Science College, Shevgaon

Tal- Shevgaon, Dist- Ahmednagar 414502.

Department of Chemistry

Organized

Field Visit at Krushi Vigyan Kendra

Date: - 17/12/2022

Photo



visit by students to Krushi Vigyan Kendra.



Ravi



[Signature]
HEAD

Department of Chemistry
 PMT'S Arts Commerce & Science
 College, Shevgaon, Dist. A'Nagar



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 arts, Comm. & Sci. College
 Shevgaon, Dist Ahmednagar