



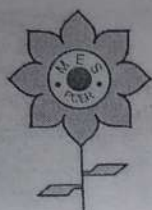
Mahatma Education Society's

PILLAI HOC COLLEGE OF ARTS, SCIENCE & COMMERCE

Pillai HOCL Educational Campus, HOC Colony, Rasayani, Via. Panvel, Dist. Raigad, Pin 410207
Tel: 02192 - 252005 / 250066 Fax : 02192 - 252067

Website : www.phcasc.ac.in Email : phcasc@mes.ac.in

Affiliated to the University of Mumbai, Approved by Government of Maharashtra



**MEMORANDUM OF UNDERSTANDING
(MoU)**

Between

**Department of Chemistry,
Mahatma Education Society's**

Pillai HOC College of Arts, Science and Commerce, Rasayani



NAAC ACCREDITED

And

**Department of Chemistry,
Kisan Vidya Prasarak Sanstha's S.P.D.M. Art's, S.B.B. &
S.H.D. Commerce And S.M.A. Science College, Shirpur, Dhule**

This MoU is entered into on the 01st day of June, 2020 between Pillai HOC College of Arts, Science and Commerce, Rasayani (hereinafter called PHCASC) situated at Rasayani, Raigad, affiliated to University of Mumbai and Kisan Vidya Prasarak Sanstha's S.P.D.M. Art's, S.B.B. & S.H.D. Commerce And S.M.A. Science College, Shirpur, Dhule, hereinafter referred to as (SPDM College), to be functional for a period of three Academic Years from this day on (till 01st day of June, 2023).

General Objective:

This Memorandum of Understanding (MoU) between PHCASC & SPDM ACS is to stimulate and facilitate the development of collaborative and mutually beneficial programs and activities which serve to benefit the department of chemistry students and faculty in the area of academics and research.

Areas and Modes of Collaboration:

MES' Pillai HOC College of Arts, Science and Commerce, Rasayani and Kisan Vidya Prasarak Sanstha's S.P.D.M. Arts S.B.B. & S.H.D. Commerce And S.M.A. Science College, Shirpur Dhule, have agreed that in support of their mutual interests in the fields of academics and research in Chemistry, both the institutions will have following understandings:

A. Collaborate to enhance work in the areas of chemistry by faculty exchange policies.

1. To encourage exchange visits of faculty from one institute to another for the purpose of engaging in curriculum enrichment and research aspects, in online and offline mode.
2. To facilitate and provide information on various certificate course options for qualified students from one institution to the other for the purpose of enrolling in undergraduate and graduate certificate programs, and in the case of advanced graduate students, particularly in collaborative research.
3. To foster the exchange of academic publications and scholarly information.
4. To promote other academic activities which enhance the above-mentioned goals.

B. Other Areas

1. To exchange information on research and educational programs of chemistry,
2. To exchange information on teaching learning material and other literature relevant to chemistry educational and research programs,
3. To organize jointly curricular events, seminar, conferences or workshops on topics of mutual interest and to invite each others faculty to participate therein,
4. To propose and engage jointly in research on training programs and to invite each others faculty to participate therein,
5. To exchange, on a reciprocal basis, students at undergraduate, graduate levels for limited period of time for purpose of education,
6. The provision of cultural and intellectual enrichment opportunities for students and staff at both institutes,
7. To permit students, staff and faculty members to use the library facility, if needed.

Amendments/modifications

This MoU may be amended or modified by a written agreement signed by the representatives of both institutes.

Adherence of Laws

Participating faculties, and students involved in any activities under this memorandum must adhere to the law of the host institutions and their rules and regulations.

Legal Effect

Nothing in this Memorandum shall be construed as creating any legal relationship between the institutes. This Memorandum is a statement of intent to foster genuine and mutually beneficial collaboration.

In case, there is a dispute relating to any aspect of academic cooperation, the parties will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

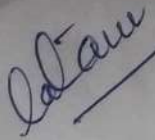

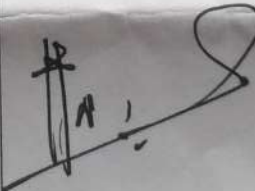

Duration of the MoU:

This MoU, unless extended by mutual written consent of the Institutes, shall expire in five years after the effective date specified in the opening paragraph. However, on review, the MoU may be renewed by mutual consent.

Signed in Duplicate:

This MoU is executed in duplicate with each copy being an official version and having equal validity. By signing below, the Institutes, 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.

On Behalf of:

Dr. Lata Menon Principal	Dr. V. M. Patil Principal
 	 
MES Pillai HOC College of Arts, Science and Commerce, Pillai HOCL Educational Campus, Rasayani, Raigad - 410207	Kisan Vidya Prasarak Sanstha's S.P.D.M. Art's, S.B.B. & S.H.D. Commerce And S.M.A. Science College, Shirpur Dhule- 425405



K. V. P. SANSTHA'S
SPDM Art's, SBB & SHD Commerce and SMA Science
College, Shirpur Dist. Dhule, Maharashtra 425405
NAAC Accredited

Shri. Dr. Tushar V. Randhe
President

Shri. Nishant V. Randhe
Secretary

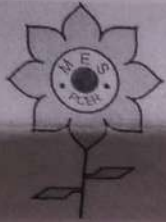
Smt. Aasha V. Randhe
Treasurer

Dr. V. M. Patil
Acting Principal

P. Box No. 14, Tel. 02563-297054, E-mail ID: spdmcollege@yahoo.co.in, Website: <http://spdm.ac.in>

SPDM/ 201 / 2021 - 22

Date - 09-10-2021



MEMORANDUM OF UNDERSTANDING (MoU)

Between

Department of Chemistry,
Mahatma Education Society's Pillai HOC College of
Arts, Science and Commerce, Rasayani

And

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S.H.D. Commerce And S.M.A. Science College, Shirpur,
Dhule



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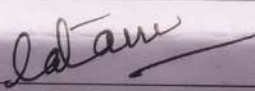



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Dr. Lata Menon Principal	Dr. V. M. Patil Acting Principal
	
MES Pillai HOC College of Arts, Science and Commerce, Pillai HOCL Educational Campus, Rasayani, Raigad - 410207	Kisan Vidya Prasarak Sanstha's S.P.D.M. Art's, S.B.B. & S.H.D. Commerce And S.M.A. Science College, Shirpur, Dhule- 425405

TrackAct - Activity Tracker

Name of the event:-	A Guidance Session on "Competitive Examinations in Chemical Sciences"
Conducted by:-	Department of Chemistry, PHCASC
Date:-	February 26, 2022
Venue/ Online Platform:-	G meet https://meet.google.com/geo-zwrp-bwu
Activity Falls under Criterion/Criteria:-	Criterion III
Convenor:-	Dr. Archana Bhagwat
Co-Convenor: -	Dr. Sapana Chilate
Number of participants benefitted:-	49
Report:-	<p>Mahatma Education Society's Pillai HOC College of Arts, Science and Commerce, Rasayani <u>Report on A Guidance Session on "Competitive Examinations in Chemical Sciences"</u></p> <p>Department of Chemistry of Pillai HOC College of Arts, Science and Commerce, Rasayani in association with S.P.D.M Arts, S.B.B and S.H.D Commerce and S.M.A College, Dhule had organized A Guidance Session on "Competitive Examinations in Chemical Sciences" for TYBSc and MSc Chemistry students on February 26, 2022, from 5.00 pm-6.00 pm through Google</p>

Meet.

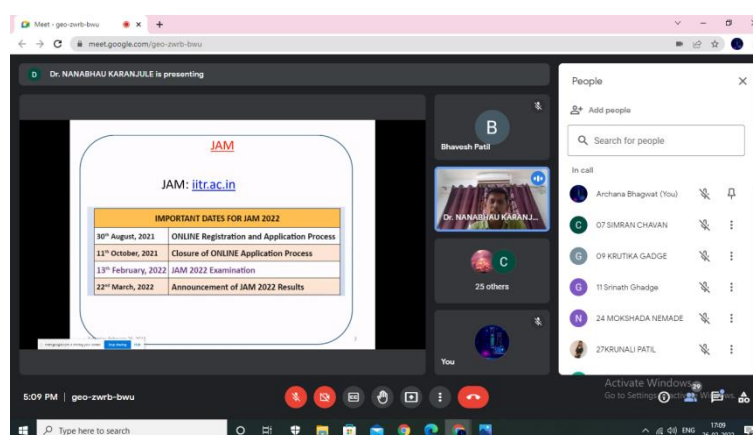
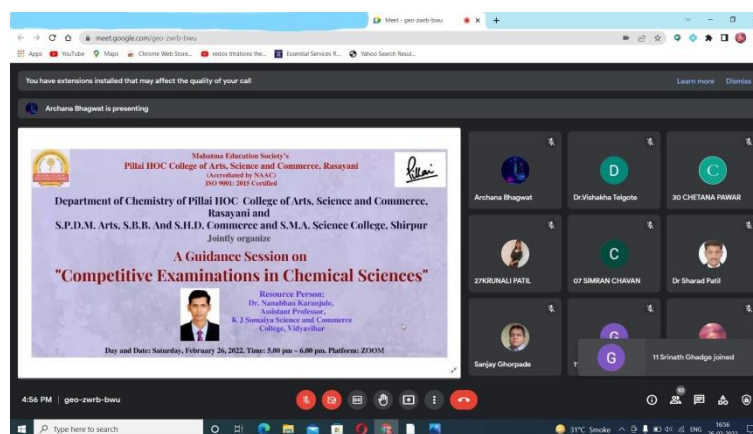
The event started with Dr. Sapana Chilate, welcoming and introducing the resource person of the day, Dr. Nanabhau Karanjule.

Dr. Karanjule led the session explaining the examinations in Chemical sciences like JAM, GATE, SET and NET. Sir discussed in detail the syllabus, topic-wise marks distribution, qualifying marks, benefits of qualifying exams, preparation strategies and study material resources for preparation of each examination.

A total of **49** participants attended this event.

The event ended with a vote of thanks by Dr. Archana Bhagwat and positive feedback from the participants.

Photos:-



Meet - geo-zwrb-bwu

meet.google.com/geo-zwrb-bwu

Dr. NANABHAU KARANJULE is presenting

Units	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average Marks
Atomic Structure & Quantum Chemistry	5	4	6	4	7	4	4	7	9	6	5	5	5.6
Thermodynamics & Electrostatics	7	6	2	7	4	6	6	5	5	6	5	3	5.6
Equilibrium	3	2	3	2	1	1	1	2	1	2	1	4	2.3
Chemical Equilibrium	2	4	3	4	1	1	7	6	7	9	9	7	4.8
Electrochemistry	1	4	4	4	2	5	1	6	3	2	4	3	3.4
Coordination	1	1	2	2	2	4	2	1	1	1	1	1	2.0
Organic Chemistry	1	1	2	1	1	2	1	1	2	1	1	1	2.0
Organometallic Compounds	12	4	4	4	4	4	5	7	17	4	7	1	5.7
Polymers	5	2	2	2	2	2	2	2	4	4	1	2	2.7
Surface Chemistry	1	1	1	1	1	1	1	1	1	1	1	1	1.0
Environmental Chemistry	1	1	1	1	1	1	1	1	1	1	1	1	1.0
Chemical Kinetics	2	2	1	1	1	1	1	2	1	1	1	1	1.2
Redox Reaction	1	1	1	1	1	1	1	1	1	1	1	1	1.0
Instrumental Method	1	1	1	1	1	1	1	1	1	1	1	1	1.0
Transition Elements	6	5	1	1	1	1	1	1	4	4	1	1	2.0
Reaction Mechanism	7	12	10	13	11	5	10	7	5	4	6	10	8.13
Reaction Kinetics	4	4	3	3	4	11	12	9	6	10	10	7	8.0
Reaction Equilibrium	1	1	1	1	1	1	1	1	1	1	1	1	1.0
Organic Chemistry	1	1	1	1	1	1	1	1	1	1	1	1	1.0
Organometallic Compounds	2	1	1	1	1	1	1	1	1	1	1	1	1.0
Polymers	4	2	2	2	2	2	2	2	2	2	2	2	2.0
Environmental Chemistry	8	10	4	10	10	5	11	8	5	12	4	8	8.4
Chemical Kinetics	15	15	17	15	15	15	15	15	17	17	17	17	15.0

6:24 PM | geo-zwrb-bwu

Activate Windows
Go to Settings to activate Windows.

Meet - geo-zwrb-bwu

meet.google.com/geo-zwrb-bwu

Dr. NANABHAU KARANJULE is presenting

Best strategy

Select topic

↓

Question paper analysis

↓

Read questions

↓

Read materials

↓

Solve questions

6:03 PM | geo-zwrb-bwu

Activate Windows
Go to Settings to activate Windows.

Winners(if any):-

NA

TrackAct - Activity Tracker

Name of the event :-	Career Opportunities after BSc
Conducted by:-	Department of Chemistry in association with Science Club
Date:-	March 1,2021
Venue/ Online Platform:-	G -meet
Activity Falls under Criterion/Criteria:-	Criteria III
Convenor:-	Dr. Vishakha T
Co-Convenor: - (if any)	-
Number of participants benefitted:-	60
Report:-	<p style="text-align: center;">Mahatma education society's Pillai HOC College of Arts, Science and Commerce, Rasayani</p> <p style="text-align: center;"><u>Report on Career Opportunities after BSc</u></p> <p>Department of Chemistry in collaboration with S.P.D.M. Arts S.B.B. & S.H.D. Commerce & S.M.A. Science College, Shirpur had Organized a guidance session on Career Opportunities after BSc for TYBSc and SYBSc students of PHCASC and S.P.D.M. Arts S.B.B. & S.H.D. Commerce & S.M.A. Science College, Shirpur.</p> <p>The session was started with welcome address by Dr. Sapana Chilate, Assistant professor, Dept. of Chemistry.</p> <p>Resource person Dr. Vilas R. Jadhavar, Assistant Professor, Aandibai Paradhan College of Science, Nagothane had guided students about career after graduation in Science. Sir explained about various examinations, industrial and research opportunities after BSc. Session was ended with</p>

positive feedback from students of both colleges.
Total 60 students of both colleges had attended this session.

Photos:-

Mahatma Education Society's
Pillai HOC College of Arts, Science and Commerce, Rasayani
(Accredited by NAAC)

Department of Chemistry of Pillai HOC College of Arts, Science and Commerce, Rasayani and S.P.D.M. Arts, S.B.B. And S.H.D. Commerce and S.M.A. Science College, Shirpur
 Jointly organize

A Guidance Session on
"Career Opportunities After BSc"

Resource Person:
Dr. Vilas R. Jadhavar
 Assistant Professor,
 Aandibai Paradhan College of Science,
 Nagothane

Day and Date: Monday, March 01, 2021. Time: 10.00 am – 11.00 am. Platform: Google Meet

The slide displays a flowchart titled "Job Opportunities in Pollution Control Board". It branches into "Central Pollution Control Board (CPCB)", "State Pollution Control Board (SPCB)", and "Pollution Control Laboratory run by Municipal Corporations". The SPCB section lists states: Andhra Pradesh, Gujarat, Karnataka, Kerala, Maharashtra, Tamil Nadu, and Telangana. The Municipal Corporations section lists Maharashtra and Karnataka.

The slide is a flowchart titled "Career after B.Sc. Chemistry". It branches into three main paths: "Higher Education", "Jobs in Industry", and "Govt. Jobs". Under "Higher Education", it lists M.Sc. Chemistry, M.Sc. Applied Chemistry, and Ph.D. Under "Jobs in Industry", it lists Chemical Industry, Petrochemical Industry, and Polymer Industry. Under "Govt. Jobs", it lists various government services like Banking, Railways, and Public Service Commission.

The slide lists several career paths for B.Sc. Mathematics graduates:

- Banking Sector:** A graduate can make his/her career in the banking sector after B.Sc. at various levels like Bank Probationary officers by cracking the exam as most of the questions are from mathematics. They call opt for clerical jobs as well.
- Actuarial Sciences:** If one is passionate about mathematical and statistics, one can become an actuary after clearing actuarial science stages.
- Defense Services:** One can make a career in defense services after B.Sc. (Hons) Mathematics. They can opt DRDO (Defense Research and Development Organization) and ISRO (Indian Space Research Organization).
- Civil Services:** After B.Sc. (Hons) Mathematics, one can join civil service after clearing certain examinations conducted by UPSC (Union Public Service Commission). Aspirants can also choose to become IAS, IPS etc to serve the nation.
- Data Analyst:** Data analyst emerges to be the most demanding job and offers lucrative salary packages nowadays. To become a data analyst, one needs to possess in-depth knowledge of statistics and mathematics. Knowledge of machine learning is also required to become a data analyst.

The screenshot shows a Google Meet session with a presentation slide. The slide is titled "Scholarships for graduation and Post Graduation In India" and lists various programs:

- INSPIRE Programme - Scholarship Amount: ₹ 10, 00, 00,000/-
- Nanotem Scholarship Programme
- ICGC Educational Crisis Scholarship Programme
- Kakore Velupillai Prabhakaran (KVPV)
- India Gender Scholarship for Single Girl Child
- Post-graduate Merit Scholarship for University Rank Holders
- Women Scientist Scheme (WCSA)
- Mathematical Training and Talent Search Programme (MTTS)
- Dr. K S Kohli Research Associateship (KORAS)
- ACSR by ARI - Annual Intern Summer Training Programme
- IAS Bangladesh and India Summer Research Fellowship
- ICCAR_JRF

Source: <https://www.dhaka.com/science/articles/popular-bc-m-sc-scholarships-in-india>

The meeting interface includes a "Meeting details" panel on the right with a list of participants: Dr. Vishalra Te..., 17 RUTUJA M., SAPANA MUK..., 5 RAJASHRI K., 20 SAKSHI PAT..., 09 KRUTIKA G., 15 MAHENDRA..., 28 RISHI SR. DIL..., and 12 ROHIT JADHAV. The bottom of the screen shows the Windows taskbar with the search bar and system tray.