



(ESTD. 1965)

Gondia Education Society's

**SETH NARSINGDAS MOR COLLEGE OF ARTS & COMMERCE &
SMT. G. D. SARAF SCIENCE COLLEGE**

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**Two days National level workshop on Experiential Learning for School/College
Science Teachers under NEP-2020
on dated 27 & 28th April 2023**

Organized by

Gondia Education Society's,

S. N. Mor Arts, Commerce and Smt. G. D. Saraf Science College, Tumsar-441912

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In Collaboration with
Vigyan Bharati, (Vidhabha region)

Objective of the Workshop:-

The main objective of this Workshop is learning by doing, by engaging science teachers (Physics, Chemistry, Biology) of high school, Junior college of Tumsar Tahsil and undergraduate students in hands-on experiences and reflection, they are better able to connect theories and knowledge learned in the classroom to real-world situations. Several themes for teachers of which one of the important themes was experiential learning. This workshop covers experiments and activities in all the branches of sciences (physics, chemistry and biology) to be taken up as science activities. Integration of sciences is also being encouraged in NEP2020 and also the need of the hour. The topics and learning components covered in the session can be listed as; Experimental setup, preparation of solutions, setting up of laboratory session, observations, measurements, presentation of data, graph drawing, analysis of data, conclusion from data, inquiry-based question-answer session on those experiments

and knowledge about various apparatus and instruments, learning-teaching methodologies, identification of concepts, concept clarity, framing challenging questions, tinkering of motivational mind etc.

Time Event

Day-1 (Date: 27th April 2023)

Date:27th April 2023	Timing
Inauguration	10:00 am to 11:30am
Resource Person Dr.Paresh Joshi	11:30 am to 12:30 pm
Resource Person Smt.Krishna Kannam	12:30 pm to 1.30 pm
Resource Person Manisha Sharma	1.30 pm to 2.30 pm

Day-2 (28th April 2023)

Date:28th April 2023	Timing
Resource Person Dr. Hemant Pande	10:00 am to 11:00am
Resource Person Dr. Paresh Joshi	11:00 am to 12:00 pm
Valedictory	12:00 pm to 1.30pm

Resource Person

Dr. Paresh Joshi

HBCSE Mumbai

Incharge of Experiential learning Shiksha Shilpi under Vigyan Bharati, New Delhi.

Dr.Hemant Pande,

Founder Member, Shiksha Shilpi under Vigyan Bharati, New Delhi

& Retd.Prof. in Chemistry, Hislop College, Nagpur.

Smt. Krishna Kannam

Vice-Principal,

Bhavan's Bhagwandas Purohit Vidya Mandir, Civil lines, Nagpur

Manisha Sharma

PGT Biology,

Bhavan's Bhagwandas Purohit Vidya Mandir, Srikrishna Nagar, Nagpur.

Organizer

Dr. Chetankumar B. Masram

Principal

Coordinator

Dr. K.N. Sathawane

Head, Department of Botany

Convenor

Dr.V.V.Warhade
Head, Department of Physics

Organizing Secretary,

Dr .Pravin A. Dhakite,
Assistant Professor in chemistry

Outcome of the Program:

Two days National level workshop on Experiential Learning for School/College Science Teachers under NEP-2020 was organized by the faculty of Science in the Science Conference Hall. The Workshop was held on Thursday, 27th & 28th April, 2023 from 11.00 A.M.

The Workshop begins with lightening the traditional lamp of wisdom and garlanding the photographs of Rashtrasant Tukadoji Maharaj and GES founder philanthropist Late Shri Manoharbai Patel. In the beginning a prayer & university song played. The introductory remarks were given by Organizing Secretary of the workshop Dr .Pravin A. Dhakite, Assistant, Professor in chemistry followed welcome speech by Convener of the workshop & The Principal of S. N. Mor Arts, Commerce and Smt. G. D. Saraf Science College, Tumsar Dr. Chetankumar B. Masram.

Inaugural speech given by Dr. Hemant Pande, Founder Member, Shiksha Shilpi under Vigyan Bharati, New Delhi & Retd. Prof. in Chemistry, Hislop College, Nagpur also Dr. Paresh Joshi HBCSE Mumbai In charge of Experiential learning Shiksha Shilpi under Vigyan Bharati, New Delhi.

After the inauguration, workshop begins with resource person Smt. Krishna Kannam, Vice-Principal, Bhavan's Bhagwandas Purohit Vidya Mandir, Civil lines, Nagpur who was explained experiments and activities in chemistry, like Experimental setup, preparation of solutions such as Acetic acid and Sodium carbonate solutions and also experiments on Milk, Vinegar & Lemon Juice etc. In which science teachers (Physics, Chemistry, Biology) of high school, Junior college of Tumsar Tahsil were participate actively.

Lunch break of the workshop was schedule on 01:00 PM to 02:00 PM for all participant and Guests. In after Lunch session workshop stated with biology experiments and activities like Flowers, Fruits and roots dissection and slide making and developed slide with the help of compound microscope. Participant's teachers were actively involved in this activity and prepared very good slide representation. Two days National level workshop on Experiential Learning for School/College Science Teachers under NEP-2020 day one was concluded.

Second day of day's National level workshop on Experiential Learning for School/College Science Teachers under NEP-2020 begins by resource person Dr. Paresh Joshi, HBCSE Mumbai

In charge of Experiential learning Shiksha Shilpi under Vigyan Bharati, New Delhi on Physics such as lens (Concave and Convex) experiments and observations, measurements, presentation of data, graph drawing, analysis of data, conclusion from data. Dr.M.F.Jadhav, Shri. D. P. Khobragade, Shri. S. W. Kharwade, Dr.V.V.Warhade, Dr. J. V. Gadpayale, Prof.A.A.Salwe, Dr. J. M. Maskey, Dr. R. R. Dipte, Dr. S. A. Rathod are the faculty members of college actively help to arranged this workshop successful.

At the end of session, Prof. Dr. R.K. Dipte expressed a sincere thanks to speakers for delivering a nice interactive sessions and also appreciated students & faculty for active participation. The Two days National level workshop on Experiential Learning for School/College Science Teachers under NEP-2020 was concluded with the National Anthem.



