



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

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Pratyancha - A Workshop on Effective Pedagogy

A two-days workshop 'Pratyancha' on Effective Pedagogy was organised by IQAC for the faculty members on 29th and 30th July 2022 in the college auditorium. The trainers for the workshop were Dr. Arti Golhar, Dr. Megha Bhambri, Dr. Rupali Wanjari, Dr. Ragini Marganwar and Ms. Babita Yadao who were trained by MS-DEED at IISER, Pune during Level 2 workshop, supported by Dr. Damini Motwani, Dr. Pooja Mohobe and Dr. Aavish Patil who had successfully completed Level 1 workshop organised by MS-DEED.

During the inauguration, Dr. Ragini Marganwar introduced the workshop and explained the objectives of MS-DEED. Three sessions were planned for each day. During the sessions the trainers gave in-depth understanding on various tools and techniques of pedagogy which can be implemented to make teaching learning process more effective. Faculty members of Science, Commerce, Management and Humanities participated in the workshop with great enthusiasm. Dr. Zeenat Kashmiri, In-charge of Teaching and Learning committee explained the importance of the workshop. She encouraged the participants for active participation.

On day one, the first session was conducted by Dr. Megha Bhambri on the topic "Psychology of learners and learning". She explained that it's very important to understand the psychology of the learner learning process and learning situation to make the campus student friendly. The second session was conducted by Ms. Babita Yadao on the topic "Active Learning". The objective of the session was to convince and encourage teachers to adopt activity-based learning pedagogies in order to make learning more effective. The third and last session of the first day was conducted by Dr. Arti Golhar on the topic as Developing effective learning objectives. She talked about the gap between the current and desired education system which is required as per NEP 2020.

On second day, the first session was conducted by Dr. Ragini Marganwar on the topic "Research Based Pedagogical Practices". She emphasized how a Research Based Pedagogical Tool helps to develop research skill and deep content knowledge.




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RBPT is a very useful tool which can be used to teach topics for better understanding of the students. The second session was conducted by Dr. Rupali Wanjari on the topic, “Students Centric Teaching and Assessment”. She discussed the issues in the existing assessment approaches and the need for student centric teaching. Edutainment is one of the great techniques of teaching where education can be given by means of entertainment. By considering the same concept in the last session some number game activities, performances on syllabus topics through poem, song, play or act, story etc. were carried out. The activity definitely conveyed that education can be through entertainment also.

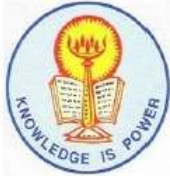
Lastly, feedback was taken from all the participants. Principal Dr. V. M. Pendsey congratulated MS-DEED Master trainers for the successful conduction of the workshop ‘Pratayancha’. Vice Principal Dr. S. V. Tewani, Dr. A. G. Thadani, Dr. M. M. Shinkhede, IQAC Coordinator Dr. Y. V. Bhute and Teaching learning committee incharge Dr. Zeenat Kashmiri appreciated the efforts taken by the MS-DEED trainers.



Interactive Session




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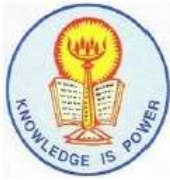
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Some glimpses of Workshop




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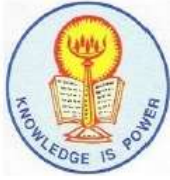


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DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR

PRATYANCHA 

A workshop on effective pedagogy
An Initiative of IQAC

Conducted by
MS-DEED
Master Trainers
Dr. Megha Bhambri
Ms. Babita Yadao
Dr. Arti Golhar
Dr. Ragini Marganwar
Dr. Rupali Wanjari

Date: 29th and 30th July 2022
Time: 10:30 am to 03.30 pm

For all Senior College Faculties

Registration Link:
<https://forms.gle/VuG28HWEURnWSCpo9>

Schedule
https://docs.google.com/document/d/InD4AO05Omcj_0HOfIs-z3f4D95_Na2fIT/edit?usp=sharing&ouid=102134055671585301257&rtpof=true&sd=true




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D.R.B. Sindhu Mahavidyalaya , Nagpur 'PRATYANCHA'

A Workshop on Effective Pedagogy

SCHEDULE

Day 1: 29th July 2022

Fundamentals of the Innovative-Effective Teaching Approach

Time	Activity	Format	Trainer*
10.30-11.00	<i>Introduction</i>		<i>Ragini Marganwar</i>
11.00-12.00	Psychology of learner and learning	Presentation	Megha Bhambri
12.00-12.15	<i>Tea break</i>		
12.15-1.15	Active learning	Presentation	Babita Yadao
1.15-2.00	<i>Lunch Break (sponsored)</i>		
2.00-3.00	<i>Developing Effective Learning Objectives</i>	Presentation	<i>Arti Golhar</i>

Day 2: 30th July 2022

Time	Activity	Format	Trainer
10:30-11.00	<i>Reflection</i>		
11.00-12.00	<i>Research based Pedagogy Practices</i>	Presentation	<i>Ragini Marganwar</i>
12.00- 12.15	<i>Tea Break</i>		
12.15-1.15	<i>Active Learning, Assessment & Evaluation</i>	Presentation	<i>Rupali Wanjari</i>
1.15-2.00	<i>Lunch Break (sponsored)</i>		
2.00-3.00	Edutainment	Group Activity	Team Sindhu
3.00-3.30	<i>Discussion</i> <i>Review of workshop, feedback, next steps</i>		




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Feedback for session-I	Feedback for session-II by Ms. Babita G. Yadav	Feedback for session-III by	Feedback for session-IV	Feedback for session-V	Feedback for Session-VI	Any Suggestions
Excellent	Very good	Nice	Good	Informative	Much-needed	Such workshops should be
Excellent, very informativ	Excellent	Good	Good	Good	Good	No
Nice talk on Psychology	Very much activity based	informative talk on active lea	Lecture on Effective learn	Informative Research toc	Students centric method	Really funful activities. E
	Learned about how Active Learning works and	The Topic was presented	informative session		Wonderful	The session was wonder
Excellent	Very good	Very good	Very good	Very good	Very good	Very good workshop. Ver
Very nice	Useful	Very good	Knowledgeable	Very useful	Good	Above type program sho
Very lively session. With	Awesome explanation of contents. In a very short per	With your session we co	This session was equally	With very easy examples	Simply mind blowing.	en Such kind of session sho
Very nice and Informative	Superb one	Very much informative	Very nice from Students	Superb one	Nice	No
Content is Excellent. Pres	Activity allows all to remain alert so everyone can lean	First two sessions are th	Heavy topic presented in	Student centric teaching	Excellent everyone enjo	All teachers are interacti
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	No
Very well explained in an	Made the class active with different activities	Very well explained the t	Presented the topic by us	Very well Explained the c	Enjoyed the session with	Such workshops should i
Nicely presentation, word	Nice presentation. Enjoyed a lot in active learning mor	Nice activities. Really hel	Nice presentation. A res	Nice presentation hopefu	Enjoyed various games	Good organized and cond
Excellent Mam Simple m	Nicely explain	Very informative gap fill	Nicely explain heavy topi	Very nice	Good	Such type of workshops i
Nice presentation	Nice presentation	Nice presentation	Nice presentation	Nice presentation	Nicely conducted	No
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent and entertainin	We should start from est
Nice session. Learnt abou	Good session. How we can initiate active learning.	Good session. We came	Good session. The lectur	Good session	It was nice. I enjoyed the	Nice efforts towards crea
It was a nice session.	It conveyed to us how we can initiate the appropriate	Good session. How we c	It was a nice session whi	The lecture was conduct	It was a real fun. The ac	Can hold similar kind of

Three-day MS-DEED Level 1 Workshop titled “Introduction to Effective Pedagogies”

A three-day Maharashtra State Development of Educators and Enhancement in Delivery Program (MS-DEED) Level 1 Workshop titled “Introduction to Effective Pedagogies” was organized by Dada Ramchand Bakhru Sindhu Mahavidyalaya and Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in collaboration with IISER Pune on 17th, 18th, and 19th November 2022. The venue for the workshop was Shrinivas Ramanujan Hall, Department of Mathematics, Mahatma Jotiba Phule Campus, Nagpur, and the trainers were Prof. Mallika Pathak (Miranda House, University of Delhi,




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Delhi), Dr. Aaloka Kanhere (Homi Bhabha Centre for Science Education, Mumbai), Dr. Asim Auti, Dr. Manawa Diwekar, Ms. Sugandha Negi, Ms. Jasmine Duggal (IISER, Pune), Dr. Arti Golhar, Dr. Megha Bhambri, Dr. Rupali Wanjari, Dr. Ragini Marganwar, Ms. Babita Yadao (MS-DEED trainers of D.R.B. Sindhu Mahavidyalaya, Nagpur).

Day 1: 17th Nov 2022

MS-DEED Level 1, an in-person workshop for undergraduate & postgraduate teachers of Science and Mathematics was inaugurated on 17th November 2022 at the hands of Dr. Subhash Chaudhari, Vice Chancellor, R.T.M.N.U, Nagpur in the presence of Dr. Vishwajit Pendsey, Officiating Principal D.R.B. Sindhu Mahavidyalaya, Nagpur, and Dr. Asim Auti, MS-DEED Co-ordinator. On this occasion, Dr. Subhash Chaudhari and Dr. Asim Auti exchanged a letter of intent between the University & IISER. Dr. Subhash Chaudhari delivered the keynote address and motivated the participants to become a part of the change by attending and learning the Innovative – Effective Teaching approach which will help to contribute to the holistic development of the Higher Education system. Dr. Vishwajit Pendsey encouraged the participants and explained the vision for the program. Dr. Asim Auti introduced the theme, objective, and approach of the workshop.

In the first session, Dr. Asim Auti delivered his talk on “Aap, Mai Aur Hum” by quoting examples to explain that still now the teachers teach students, in the same traditional way but now change is the need of the hour. He made the participants clear that it's time to shift from teacher-centered teaching to student-centered teaching. He summed up the session by saying. “To teach is to touch a life forever”.

Dr. Asim Auti took the next session on “Effective Pedagogy”. He explained that pedagogies are constantly evolving which we need to study. Adhering to NEP 2020 guidelines, learners come first and we should focus on making effective deliverables.




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Every pedagogy is unique and useful, as long as it connects to meettangible outcomes. He explained that we should use technology as a tool and notas a goal. We should learn to adapt and update. He also emphasized the thought that change is always for the good although it might be sometimes painful. He ended his session with the provoking key points that we should think long term, plan short term and teach for self-sustainability.

The third session of the day was engaged by Dr. Manawa Diwekar on “Intended Learning Outcomes”. She covered some of the important topics of teaching like learning outcomes, learning outputs, intended learning outcomes, assessment, significance, and teaching road map. She also made us clear how to make thecontent of our lecture effective and interesting. She shared tips on how to design an effective classroom. She suggested that we can use contextual stories to make our classroom more fun-filled. She emphasized inquiry-based teaching.

Session 4, was taken by Dr. Asim Auti on “Assessment I: Purpose”. He briefed “assessment as a part of teaching and learning, assessment and evaluation in teaching, formative and summative assessment, assessment rubrics”. He elaborated on how assessment is probably the most ignored part of good teaching, so it is often the most intimidating. He emphasized that the primary goal of a teacher is to help students to develop thinking and achieve desired goals. He also explained the term “Metacognition” i.e., misconception document in which he guided teachers to search before teaching any topic and develop competency inthe area of inquiry.

Session 5 was “Participant activity and output” by Dr. Manawa Diwekar encompassing a group activity on concept mapping and alignment with your curriculum and an overwhelming response was received from the participants. At the end of the day Reflection on all the daylong sessions was taken by the participants.

Day 2: 18th Nov 2022

The day started with the “Review of Day 1 Activities and Assignments” by Dr. Asim Auti, followed by break-out session which was subject-specific. The breakout




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session for Life Sciences was conducted by Dr. Manawa Diwekar, IISER, Pune, Dr. Megha Bhambri, DRBSMV, Nagpur, and Dr. Ragini Marganwar, DRBSMV, Nagpur. In this session, the inquiry-based learning process was explained to the participants with the help of simple and easy experiments. The first experiment was to measure the “Volume of a drop” followed by a discussion with participants. Next was an introduction to Stomatal practical inquiry in which participants stepped out to collect the leaves to test their respective hypotheses.

Participants experimented to measure the stomatal density and collection of data was done. This was followed by discussion, analysis of the data, and reflection. Participants were given the task to design their inquiry-based labs using the template.

The breakout session for chemistry was conducted by Prof. Malika Pathak from Miranda House, University of Delhi, Delhi, Ms. Sugandha Negi, IISER, Pune, and Ms. Babita Yadao, DRBSMV. Simple experiments viz. Double Displacement Reaction and Blue bottle experiments were carried out with participants through Inquiry Learning Process.

The objective of the session was to provide a subject-specific learning environment in a more comfortable space so that the exchange of ideas and learning can be easy. All the participants endorsed themselves in performing the experiments with the new exceptional thought process and come up with many queries which were discussed and solved by the trainers through an inquiry process. The session ended with a discussion about the lesson plan and assignment for the same.

The breakout session for Physics was conducted by Dr. Jasmine Duggal, IISER, Pune, and Dr. Arti Golhar, DRBSMV, Nagpur. Participants performed simple experiments like the Determination of the volume of a drop, the Determination of the speed of sound, Refractive index of a liquid through an inquiry-based learning process. Trainers showed participants stationary waves through easily available




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resources. After the session participants come up with new ideas for inquiry based experiments.

The mathematics breakout session was taken by Dr. Aloka Kanhere, HBCSE, Mumbai, and Dr. Rupali Wanjari, DRBSMV, Nagpur. In this session, inquiry-based graph modelling problems were assessed. The participants engaged in solving tasks, arriving at solutions & peer discussing solutions pointed out the requirements of resources & tools. This was addressed by hands-on training in mathematical software Geogebra. The participant noticed the effective use of Geogebra to support teaching and learning mathematics subjects, especially in geometry, Algebra, and statistics.

In the post-hands-on session, Dr. Asim Auti and Dr. Manawa Diwekar discussed types of formative assessments, designing your own innovative formative and summative assessments in the session named “Assessments II: Strategies”. At the end of the day review all the day-long sessions taken by the participants.

Day 3: 19th Nov 2022

The day started with the “Review of Day 2 Activities and Assignments” by Dr. Asim Auti, group activity of designing & presenting of Concept Map was conducted. Around 16 clubbed groups presented their assignment enthusiastically. The presentations were treated as case studies by peers and were marked with a critical view.

The last session was taken by Dr. Mallika Pathak on Setting SMART Targets (Action planning). She briefed how to prepare an action plan for adopting new innovative effective teaching at the HEI level. During this session, she explained the significance of smart targets in which S stands for specific, M for measurable, A for attainable, R for relevant, and T for time-bound. Not only this she has also given tips on how to make smart targets, smarter in which E will stand to evaluate and to re-evaluate. In her session, she discussed blockers for implementation and also suggested enablers for achieving the goals of empowering the students.




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A total of 192 participants registered for the workshop, out of which 92 were male and 100 were female, covering 12 districts of Maharashtra i.e., Ahmednagar, Bhandara, Chandrapur, Gadchiroli, Gondia, Jalgaon, Mumbai city, Mumbai suburban, Nagpur, Nanded, Wardha, and Yavatmal. In-person 101 participants attended the workshop, 24 from physics, 17 from Mathematics, 42 from Life Sciences and 16 from Chemistry, and 02 from English. The workshop ended with a discussion on lessons learned, implementation plan and also suggestion for future improvement. This was followed by an Alumni meet of MS DEED Master Trainers of Nagpur region. The closing remarks were given by Dr. Vishwajit Pendsey, regarding implementation of pedagogies at workplaces. He extended the platform of Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur, for all the collaborative activities.



Inauguration of Workshop titled “Introduction to Effective Pedagogies” at the Hands of Dr. Subhash Chaudhary, VC, RTM Nagpur, Nagpur.




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Maharashtra State Development of Educators
& Enhancement in Delivery
Programme
Level 1 Workshop



MS-DEED @ NAGPUR

17,18 & 19 Nov 2022



Maharashtra State Development of Educators
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MS-DEED @ NAGPUR

17,18 & 19 Nov 2022




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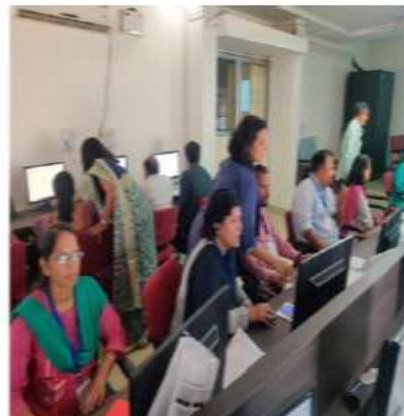
Hands-On @ Life Science



Hands-On @ Physical Science



Hands-On @ Chemical Science



Hands-On @ Mathematics




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17-18-19 NOV 2022



**An Up-skilling and Capacity Building Programme
for UG-PG Teachers of Maharashtra
MS-DEED LEVEL 1 WORKSHOP**



in collaboration with
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Opportunity to participate in Level 2 at IISER Pune for
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- Aligned with NEP 2020
- Inquiry-based Pedagogy
- Active Learning Methods
- Output-oriented Teaching
- Assessments Strategies
- Effective Classrooms and Labs
- Engaging Sessions with Experts

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Registration open up to
8th Nov.2022

No Fees
Limited seats available on
first come first serve basis

MS-DEED Website



DRBSMV Website



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