



Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Affiliated to Sant Gadge Baba Amravati University, Amravati

NAAC

Criterion-VI

Governance, Leadership and Management

<https://vinayakmahankh.in> 

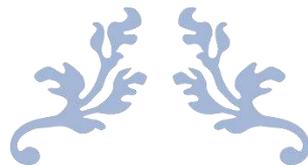
+91 7221222245 

vvm197@sgbau.ac.in 

Nandgaon Khandeshwar, Amravati 

CRITERON-VI

6.5 Internal Quality Assurance System



6.5.2 List of collaborative quality initiatives with other institutions along with brochures and photos with caption and date



VINAYAK VIDNYAN MAHAVIDYALAYA

Nandgaon Khandeshwar, Dist. Amravati

(An Institute run by Pravin Khodke Memorial Trust, Amravati)

Sau. Sulbha Sanjay Khodke
(MLA, Amravati)
President, P.K.M Trust, Amt.

College Code: 197, Ph. No. 07221-222245
Email: yvm197@sgbau.ac.in

Dr. Alka Anant Bhise
(Principal)
Mob.9823526341

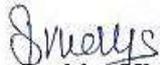
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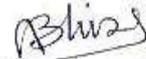
10/05/2023

SELF DECLARATION

This is to certify that, the information, reports, true copies of the supporting documents, numerical data and web links furnished in this file are verified by I.Q.A.C. and head of the Institution and found correct.

Hence this certificate is issued.


Dr. Suchita Khodke
I.Q.A.C. Co-ordinator
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh.

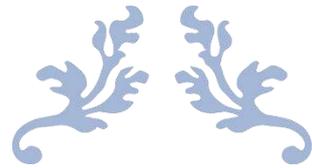

Dr. Alka A. Bhise
PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan, Dist. Amravati



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1. Activities Under the MoUs



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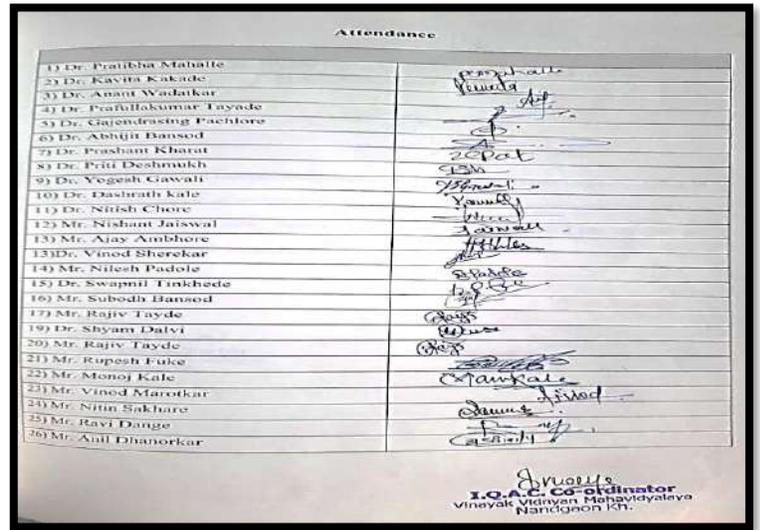
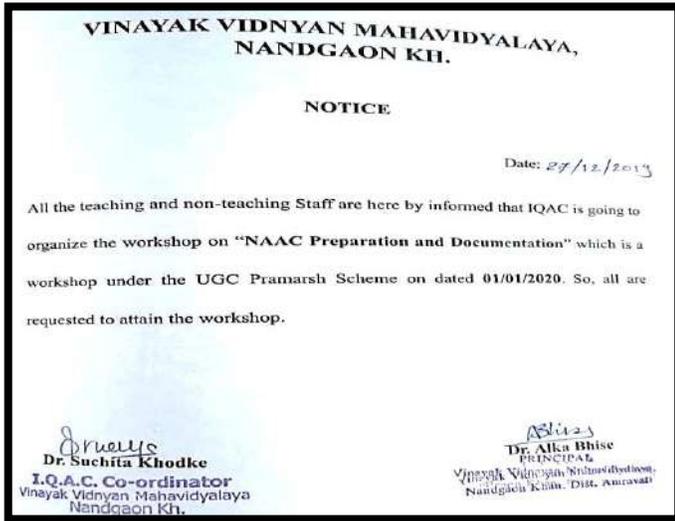
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Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

➤ I. Activities under MoU's in the year 2019-20

Collaborating Agency: Vidya Bharati Mahavidyalaya, Paramarsh Scheme.

1) Name of the Activity: "One day Institutional Level Workshop on NAAC Preparation and Documentation"



A one-day workshop on "NAAC Preparation and Documentation" was organized on by IQAC, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar on 1st January 2020. This workshop was taken under the Memorandum of Understanding for UGC Paramarsh Scheme between Vidya Bharati Mahavidyalaya, Amravati (Mentor) and Vinayak Vidnyan Mahavidyalaya (Mentee). Prof. Dr. R.M. Patil, IQAC Coordinator, Vidya Bharti Mahavidyalaya, Amravati was present as resource person for the workshop. Prof. Dr. R.M. Patil had given the detailed guidelines about the NAAC manual, NAAC accreditation process and guided about the preparation to be done by the college while facing the NAAC accreditation.



Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Collaborating Agency: Prashna Chinha Ashram Shala, Mangarul Chavala.

2) Name of the Activity: "Guest Lectures for the students of Ashram Shala"

To,
The Principal,
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar.

Subject: Seeking Permission to organize and conduct "Guest Lectures" for the students of "Prashna Chinha" Adivasi Ashram Shala at Mangarul Chavala.

Respected Madam,

With reference to above mentioned subject, Department of Physics in collaboration with Department of Zoology willing to organize and conduct Guest Lectures on the topics

a) Basic and General Physics
b) Amazing world of Biology

for the students of Prashna Chinha, Adivasi Ashram Shala" at Mangarul Chavala on 7th March 2020. This activity is proposed under the extension activity of the institute in collaboration with Prashna Chinha Adivasi Ashram Shala, Mangarul Chavala.

So, I kindly request to you, please allow us to organize and conduct this activity.

Date: 3rd March 2020

permission granted.

[Signature]
Your Faithfully
Dr. Anant Wadatkar
Head
Department of Physics

[Signature]
PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan, Dist. Amravati

Principal Permission

Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar

NOTICE

Date: 3rd March 2020

Following faculty members are hereby informed that, under the extension activity of our college with Prashna Chinha Adivasi Ashram Shala, Mangarul Chavala, Department of Physics in collaboration with Department of Zoology is going to organize Guest Lectures for the students of Prashna Chinha Adivasi Ashram Shala, Mangarul Chavala on 7th March 2020. Mentioned faculty members are directed to kindly assist for the conduction of this activity.

[Signature]
Dr. Anant Wadatkar
Coordinator

[Signature]
Dr. Alka A. Bhise
PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan, Dist. Amravati

Sr. No.	Name of the Teacher	Signature
1.	Dr. Anant Wadatkar, Department of Physics	<i>[Signature]</i>
2.	Mr. Subodh Bansod, Department of Zoology	<i>[Signature]</i>

Staff Notice

Department of **Physics** in collaboration with Department of **Zoology** had organized guest lecture for the students of Prashna Chinha Ashram Shala on **7th March 2020**. **Dr. Anant Wadatkar**, Head department of Physics had delivered the lecture on the topic **Basic and General Physics**. **Mr. Subodh Bansod**, Assistant Professor, Department of Zoology had delivered the lecture on the topic **amazing world of Biology**.



Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Collaborating Agency: Prashna Chinha Ashram Shala, Mangarul Chavala.

3) Name of the Activity: “Organized Educational Activities for the students”

To,
The Principal,
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar.

Subject: Seeking Permission to organize and conduct “Guest Lectures” for the students of “Prashna Chinha” Adivasi Ashram Shala at Mangarul Chavala.

Respected Madam,

With reference to above mentioned subject, Department of Physics in collaboration with Department of Zoology willing to organize and conduct Guest Lectures on the topics

- a) Basic and General Physics
- b) Amazing world of Biology

for the students of Prashna Chinha, Adivasi Ashram Shala” at Mangarul Chavala on 2nd March 2020. This activity is proposed under the extension activity of the Institute in collaboration with Prashna Chinha Adivasi Ashram Shala, Mangarul Chavala.

So, I kindly request to you, please allow us to organize and conduct this activity.

Date: 3rd March 2020

permission granted.

Principals
PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan, Dist. Amravati

Your Faithfully
Dr. Anant Wadalkar
Head
Department of Physics

Principal Permission

Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar

NOTICE

Date: 3rd March 2020

Following faculty members are hereby informed that, under the extension activity of our college with Prashna Chinha Adivasi Ashram Shala, Mangarul Chavala, Department of Physics in collaboration with Department of Zoology is going to organize Guest Lectures for the students of Prashna Chinha Adivasi Ashram Shala, Mangarul Chavala on 7th March 2020. Mentioned faculty members are directed to kindly assist for the conduction of this activity.

Anant Wadalkar
Dr. Anant Wadalkar
Coordinator

Alka A. Bhise
Dr. Alka A. Bhise
PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan, Dist. Amravati

Sr. No.	Name of the Teacher	Signature
1.	Dr. Anant Wadalkar, Department of Physics	<i>Anant Wadalkar</i>
2.	Mr. Subodh Bansod, Department of Zoology	<i>Subodh Bansod</i>

Staff Notice

Department of Mathematics in collaboration with Department of Physical Education had organized Different Activities for the students of Prashna Chinha Ashram Shala on 13th March 2020. Priti Deshmukh, Head department of Mathematics had delivered the lecture on the topic “Learning of Math’s concepts through Games”. Dr. Shyam Dalavi, Director of Physical Education, had delivered the lecture on the topic “Different Games in India”.



Collaborating Agency: Garden Club, Amravati.

4) Name of the Activity: Three Days workshop entitled “Basic Gardening technique”.

The flyer is titled "Three Day Online Workshop on 'BASIC GARDENING TECHNIQUES'" and covers the dates "29th to 31st May, 2020 Daily 5.00 to 6.30 pm". It is organized by the "AMRAVATI GARDEN CLUB" and "HELP GARDENS ONLY". The flyer lists the following collaboration partners: Kiran Nursery & Gardens, Amravati; Shri Shivaji Science College, Amravati; Shri Shivaji Horticulture College, Amravati; Shri Vinayak Vidnyan Maha., Nandgaon Kh.; G. S. Tompe College, Chandur Bz.; and Rajashri Shahu Sci. College, Chandur Rly. The workshop schedule is as follows:

29 th May	30 th May	31 st May
Session 1: Soil Preparation Dr. Suchita Khodke Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.	Session 3: Potting/Repotting Shri. Nilesh Futane Shri Shivaji Horticulture College, Amravati	Session 5: Kitchen Gardening Dr. Yugandhara Rajgure G. S. Tompe College, Chandur Bazar
Session 2: Practical Mr. Subhash Bhawe Kiran Nursery & Gardens, Amravati	Session 4: Practical Mrs. Shital Chitode Shri Shivaji Horticulture College, Amravati	Session 6: Practical Dr. Gajendra Pachlore Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Who Can Participate: Any person desiring to develop own Garden
Conditions: Full time participation, Online Registration and Feedback
How to participate: Google Meet to PC/Laptop/Mobile
How to Register: Last Date: 29 May upto 10.00 am
Registration Link: <https://forms.gle/wHrGVVem7ArMQ16R> or Scan QR Code

Programme Flyer

The letter is from the Department of Botany, Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh. It is addressed to the Principal and requests permission to organize a "Three days workshop". The subject is "Seeking permission to organise 'Three days workshop'". The letter states that the Department of Botany wishes to seek your permission for the conduction of "Three day workshop entitled Basic Gardening Techniques". It mentions collaboration with Kiran Nursery and Garden, Amravati, Shri Shivaji science College, Amravati, Shri Shivaji Horticulture College, Amravati, G.S. Tompe College, Chandur Bazar and Rajashri Shahu Science College, Chandur Rly. The initiative is taken to develop gardening techniques of students. It requests you to grant us the permission to conduct the above said activity on 29 to 31 May 2020. The letter is dated 20 May 2020 and is signed by Dr. Suchita Khodke, Head Dept. of Botany.

Principal Permission

Department of Botany in collaboration with **Garden Club, Amravati** had organized three days workshop on the topic **“Basic Gardening Technique”** from **29th May 2020 to 31st May 2020** via online platform Google Meet. The main objectives of the workshop were to provides basic knowledge of gardening to plant lovers. The resource persons for the workshop were **Dr. Suchita Khodke, Mr. Subhash Bhawe, Mr. Nilesh Futane, Mrs. Shital Chitode, Dr. Yugandhara Rajgure** and **Dr. Gajendra Pachlore.** Throughout the workshop there was discussion on Soil Preparation, Potting/ Repotting and Kitchen Gardening.



Collaborating Agency: Garden Club, Amravati.

5) Name of the Activity: One day Workshop entitled “Shevanti Cultivation and Nurture Technique”

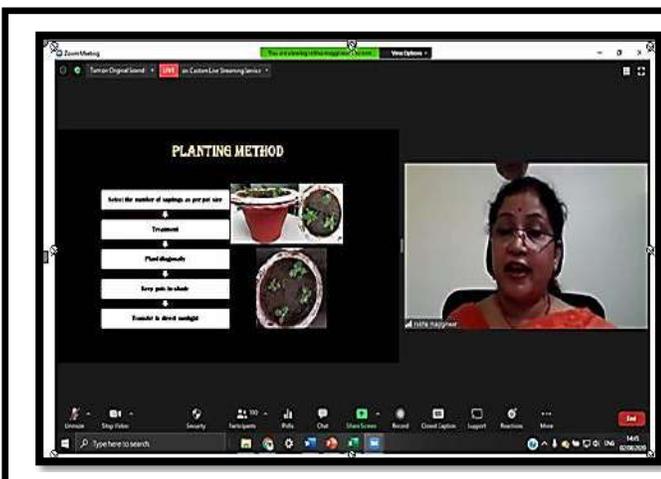


Programme Flyer



Principal Permission

Department of Botany in collaboration with **Garden Club, Amravati** had organized one day workshop on the topic **“Shevanti Cultivation and Nurture Technique”** on **2nd August 2020** via online platform Zoom. The main objectives of the workshop were to provides basic knowledge techniques to grow and cultivate the plant, Shevanti. The resource persons for the workshop were **Dr. Rekha C. Maggirwar, Shri Subhash Bhave and Shri. Anil Bhide.**

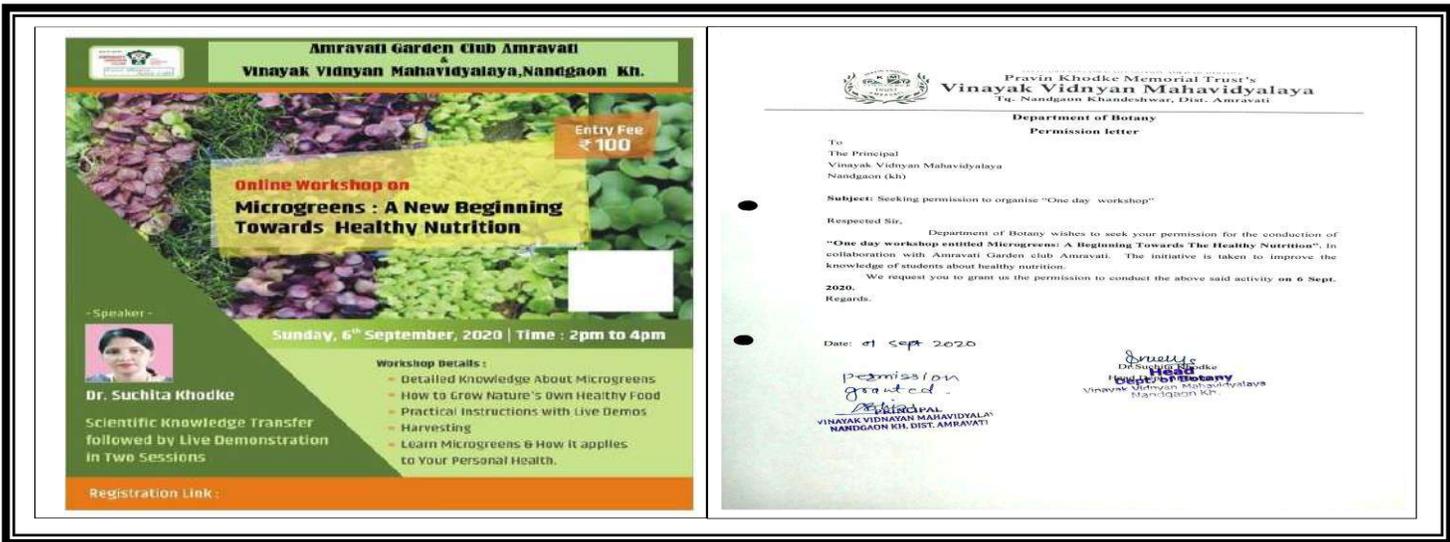


Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

➤ II) Activities under MoU's in the year 2020-21

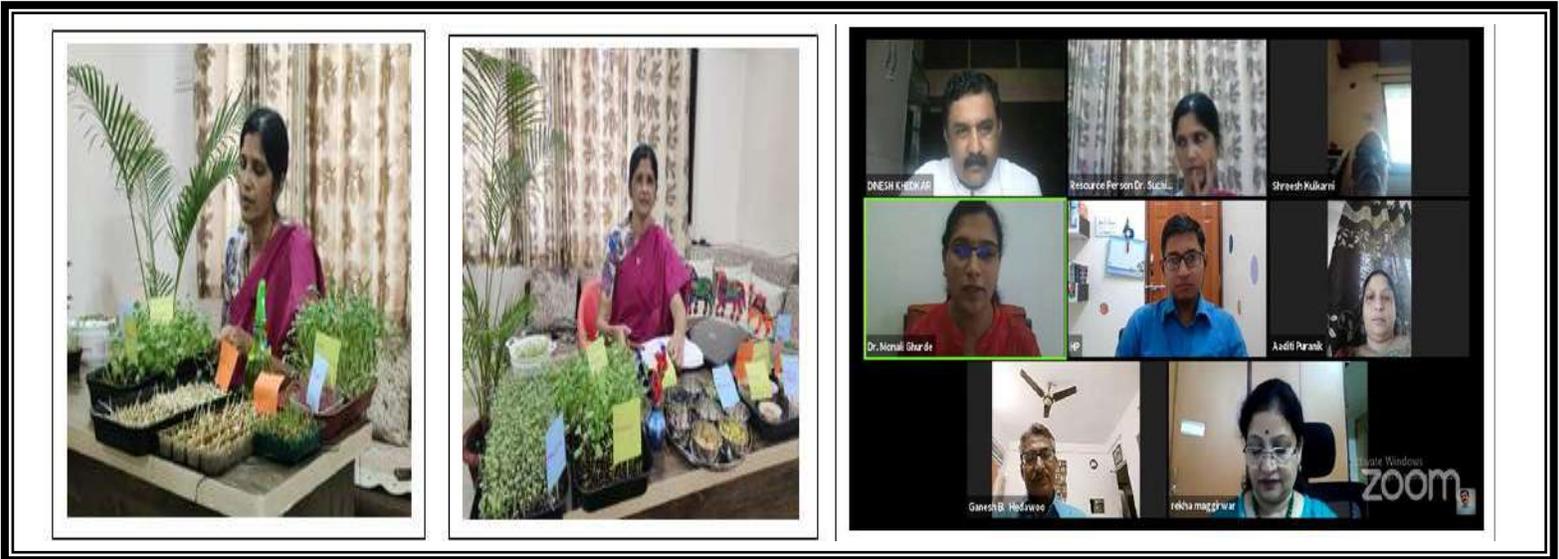
Collaborating Agency: Garden Club, Amravati.

1) Name of the Activity: One day workshop entitled “Microgreens: A beginning towards the healthy nutrition”



The image shows a promotional poster for an online workshop and a permission letter. The poster, titled "Online Workshop on Microgreens: A New Beginning Towards Healthy Nutrition", is organized by the Amravati Garden Club in collaboration with Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh. It features a speaker, Dr. Suchita Khodke, and lists workshop details such as "Detailed Knowledge About Microgreens" and "How to Grow Nature's Own Healthy Food". The event is scheduled for Sunday, 6th September 2020, from 2pm to 4pm. The permission letter, dated 01 Sept 2020, is addressed to the Principal of Vinayak Vidnyan Mahavidyalaya and requests permission to conduct the workshop on 6th Sept 2020. The letter is signed by Dr. Suchita Khodke, Department of Botany, and includes a handwritten note: "permission granted".

Department of Botany in collaboration with Garden Club, Amravati had organized one day workshop on the topic “Microgreens: A Beginning Towards the Healthy Nutrition” on 6th September 2020 via online platform Zoom. The main objectives of the workshop were to aware the society about the importance of healthy diet and regular physical activity. The resource person for the workshop was Dr. Suchita Khodke, IQAC Coordinator, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar. The session focused on information about the Microgreens,



Collaborating Agency: Garden Club, Amravati.

2) Name of the Activity: Three days workshop entitled “Gardening Techniques and Management.”

Amravati Garden Club, Amravati
In Association with
Vinayak Vidnyan Mahavidyalaya, Nandgaon (kh)
And
G.S.Tompe Arts, Comm & Science College, Chandur Bazar
Presents

“Be the Creator of Your Own Garden”
A Three Days Online Workshop on
Advance Gardening Techniques and Management
26-28 June, 2021

Registration Free

Day 1: 26 June 2021
Soil Reclamation, Bio composting & Repotting
Dr. Suchita Khodke

Day 2: 27 June 2021
Creative Garden Planning & Management
Dr. Chandrashekar Deshmukh

Day 3: 28 June 2021
Foundation Program for 2 Months Workshop And

Time: 11.00 am to 2.00 pm
Who Can Participate: Students, Teachers And Garden Lovers
Facilities: Full time participation, Online Registration and Feedback
How to participate: Zoom meeting on PC / Laptop / Mobile only registered participants will get the link
How to register: Last Date: 25 June 2021 evening 5.00pm
Registration Link: <https://tinyurl.com/3DayAGTM>
Certificate will be provided to only those who will participate all 3 days.

Convener: Dr. Gajendra Pachhore
Organising Secretary: Dr. Umesh Kanerkar
Professor, Botany

Programme Details: Daily 11.00 AM to 2.00 PM

S.N.	Event Details	Speaker	Time
26th June 2020			
1	Welcome to the Guests, Resource Person and Participants	Dr. Gajendra Pachhore	5 min
2	First Session- Soil Reclamation, Bio composting, Potting and Repotting	Dr. Suchita Khodke	50 min
3	Second Session- Live Demonstration	Mr. Subhash Bhave Prof. Sheetal Dagwar Prof. Swapnil Tikhade	40 min
27th June 2020			
4	First Session- Creative Garden Planning and Management	Prof. C. M. Deshmukh	50 min
5	Second Session- Live Demonstration	Mr. Mukund Raut Mrs. Bhagat Dr. Rekha Maggirwar Dr. Suchita Khodke Mr. Subhash Bhave	60 min
28th June 2020			
6	Foundation Programme for Two Month Certificate Course affiliated to University and Agriculture Department	Dr. D. D. Khedkar Dr. Rekha Maggirwar	60 Min
6	Panel Discussion and Interaction Session	Prof. C. M. Deshmukh Dr. Suchita Khodke Dr. Rekha Maggirwar Dr. D. D. Khedkar	50 min
7	Vote of Thanks	Dr. Umesh Kanerkar	5 min

Link to Join Workshop on Zoom: Daily 11.00 AM to 2.00 PM
https://tinyurl.com/AGTM_ZOOM
Meeting ID: 879 7928 5374 Passcode: Garden

All the registered participants can download certificates on 28th June 2021 after 12.00 Noon
Log on to following website for Certificates: www.agca.acs.com

Programme Flyer

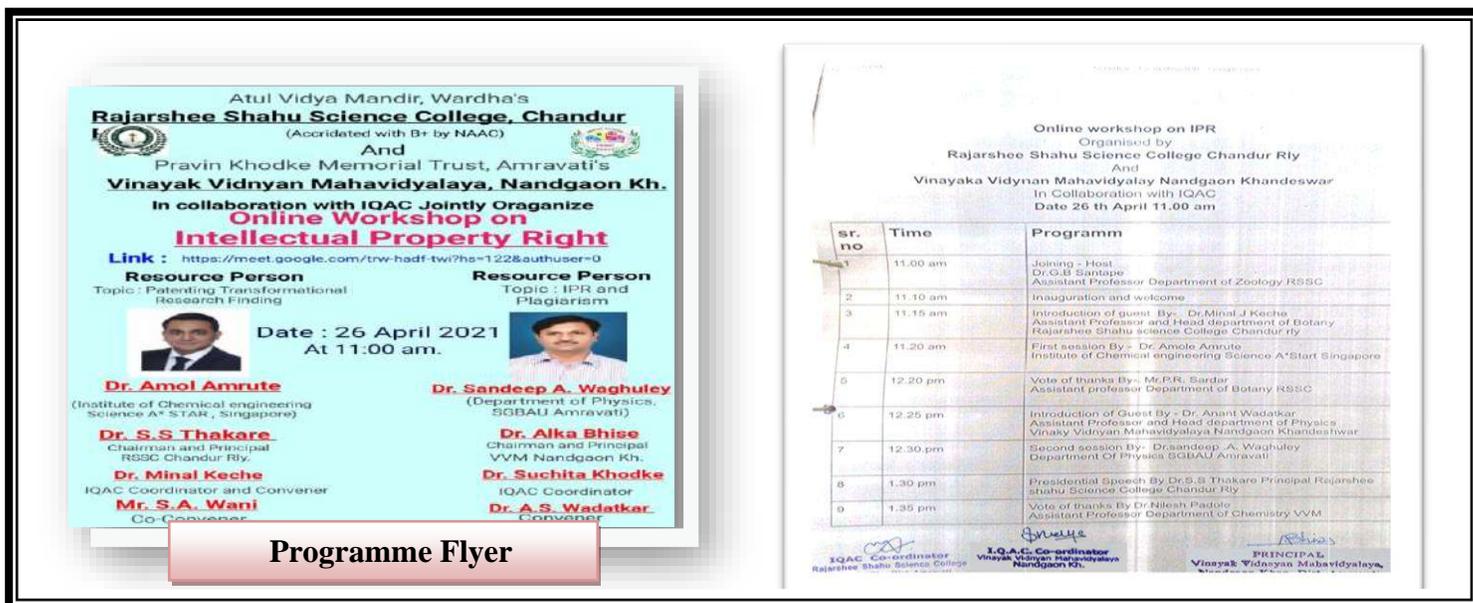
Department of Botany in collaboration with **Garden Club, Amravati** had organized three days workshop on the topic **“Gardening Technique and Management”** from **26th June 2021 to 28th June 2021** via online platform Zoom. The basic idea behind the workshop was to provide advance skills to plant growers for developing their gardens. The sessions of the workshop had detail discussion on various techniques to developed a good garden at home.



Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Collaborating Agency/Institute: Rajarshee Shahu Science College, Chandur Railway.

3) Name of the Activity: One Day Workshop on “Intellectual Property Rights”



Programme Flyer

IQAC of both the institutes had organized one day online workshop on **“Intellectual Property Rights,”** on **26th April 2021** via google meet platform for all faculty members of both the colleges. The resource person for the workshop was **Dr. Amol Amrute** and **Dr. Sandip Waghule**. The motive behind organization of this workshop were, faculty members must understand the process, documentation required for filling the patent. They must understand the concept of Intellectual property rights.



Collaborating Agency/Institute: K.P.T. Arts, Science and M.S.P. Commerce College, Manora.

5) Name of the Activity: One Day guest lecture on the topic “Metal Carbonyl”

VINAYAK VIDNYAN MAHAVIDYALAYA
NANDGAON KH.

DEPARTMENT OF CHEMISTRY

ORGANIZE
ONLINE GUEST LECTURE
ON
METAL CARBONYL

GUEST SPEAKER
Dr. Swapnil D. Bhagat
Assistant Professor
Department of Chemistry
M.S.P. Arts, Science and K.P.T.
Commerce College, Manora.

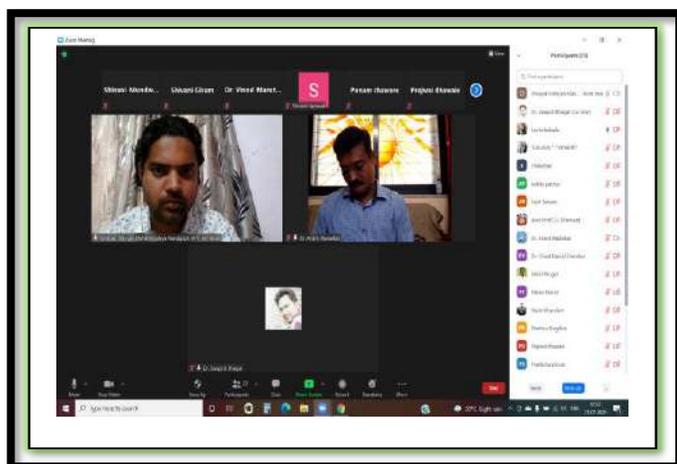
DATE: 31/07/2021 DAY: SATURDAY

Programme Flyer

VINAYAK VIDNYAN MAHAVIDYALAYA
NANDGAON KH.

Sr. No	Event	Time	Guest/Speaker
1	Welcome of Guest	01.30 PM-01.45 PM	1. Dr. Alka A. Bhise (Principal) 2. Dr. Swapnil Bhagat (Guest Speaker)
2	Introduction of Guest	01.45 PM-02.00 PM	By Mr. Nilesh Padole (Head of Department)
3	Presidential Speech	02.00 PM-02.15 PM	Dr. Alka A. Bhise Principal
4	Guest Lecture	02.30 PM-03.30 PM	Dr. Swapnil Bhagat (Guest Speaker)
5	Vote of Thank	03.30 PM-03.45 PM	Dr. Vinod M. Sherekar (Assistant Professor)

Department of Chemistry had organized one day online guest lecture of Dr. Swapnil Bhagat, on the topic “Metal Carbonyl” on 31st July 2021 for the students of B.Sc. Part III students. This lecture was organized via online platform Zoom. The topic selected for the lecture was a part of university syllabus. Dr. Anant Wadatkar, Head, Department of Physics was present as chief guest for the guest lecture.



Classification of Organometallic Compounds
There are three types on the basis of nature of Metal-Carbon bonds

- 1) Sigma Bonded Compounds**
Sigma bond is formed between the metal and carbon atom. Ex: Grignard reagent.
- 2) Pi-Bonded Compounds**
When in the compound there is bonding between metal and delocalised electronic cloud of organic molecule such compounds are termed as pi-bonded compounds. Ex: Ferrocene

- 3) Multiple bonded Molecule**
When in the compounds there is formation of pi as well as sigma bonds between the metal and carbon atoms such compounds are termed as multiple bonded molecules.

Ex: Dimeric Cobalt Carbonyl: In which Sigma bond is formed by donation of electron pair from carbon monoxide and pi-bond is formed by donation of electron by metal to carbon monoxide

➤ III) Activities under MoU's in the year 2021-22

Collaborating Agency: Wild Life and Environment Conservation Society, Amravati.

1) Name of the Activity: "My Bappa Campaign"

प्रविण खोडके मेमोरियल ट्रस्ट, अमरावती द्वारा संयोजित
विनायक विज्ञान महाविद्यालय
 नांदगाव खंडेश्वर, जि. अमरावती
 प्राणिरास्य विभाग, ग्रीन आर्मी क्लब व
 बाईल लाईफ अँड एन्वायमेंट कन्सर्वेशन सोसायटी, अमरावती
 द्वारा आयोजित

"MY BAPPA"
 "जोडा पर्यावरणारी नाती, बसवा मातीचे गणपती"

10 INCH	11 INCH	11 INCH	12 INCH	13 INCH
Rs. 250/-	Rs. 300/-	Rs. 300/-	Rs. 350/-	Rs. 550/-

डॉ. अशुका भिसे प्राचार्य
 डॉ. अंजली देशमुख अध्यक्ष, WECS
 डॉ. जयंत बडतकर सचिव, WECS
 डॉ. सुयिला खोडके समन्वयक, IQAC
 डॉ. प्रतिभा मडले विभाग प्रमुख, प्राणिरास्य विभाग

— आयोजन समिती —
 डॉ. राजेंद्र पचळोरे श्री. सुबोध बनसोड श्री. स्वप्निल तिनखे श्री. शिलागंत हिरवळे

To
 The Principal,
 Vinayak Vidnyan Mahavidyalaya
 Nandgaon (kh)

Subject: Seeking permission to organise "MY BAPPA" a green initiative to create awareness against use of Plaster of Paris (POP) idol of Lord Ganesh

Respected Madam,

Department of Zoology and Green Army Club wishes to seek your permission for the conduction of "MY BAPPA" a green initiative to create awareness against POP idol of Lord Ganesh. The initiative is going to be conducted in association with Wildlife Environment conservation Society (WECS), Amravati under the MoU Signed between Dept. of Zoology and WECS, Amravati

We request you to grant us the permission to conduct the above said activity from **8th to 10th September 2021**

Regards

Department of Zoology
 Vinayak Vidnyan Mahavidyalaya
 Nandgaon (Kh)

Department of zoology in collaboration with WECS had celebrated **"My Bappa"** from **8th September to 10th September 2021**. The main motive behind this campaign was to aware the society as well as the students about the use of Clay Idol instead of Plaster of Paris. This activity will help the society to eliminate the pollution cause due to Plaster of Paris. Under this campaign, department of zoology also sold-out clay idols of Ganesh Bappa.



Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Collaborating Agency: Wild Life and Environment Conservation Society, Amravati.

2) Name of the Activity: Celebrated “World Sparrow Day”

Pravin Khodke Memorial Trust, Amravati's
Vinayak Vidnyan Mahavidyalaya
Nandgaon (kh)

Department of Zoology
In Association with
Wildlife & Environment Conservation Society
Amravati
Celebrates

World Sparrow Day 20th March..

An Insightful talk on birds and birding
Backyard Birds
Guest Speaker: Mr. Kiran More (Birding expert)

Monday
21st March
2022
@12.00 pm

Convener
Dr. Gajendrasingh Pachlore
Assistant Professor
Dept. of Zoology

Principal
Dr. Alka Bhise
Vinayak Vidnyan Mahavidyalaya
Nandgaon (kh)

Organizing Secretary
Dr. Pratibha Mahalle
Assistant Professor & Head
Dept. of Zoology

Organizing Members
Ms. Rajani Chavhan
President
Zoological Society 2021-22

Mr. Subodh Bansod
Assistant Professor
Dept. of Zoology

Dr. Swapnil Tinkhede
Assistant Professor
Dept. of Zoology

Programme Flyer

Permission letter

To
The Principal
Vinayak Vidnyan Mahavidyalaya
Nandgaon (kh)

Subject: Seeking permission to conduct “World Sparrow Day” on 21st March 2022.

Respected Madam,

Department of Zoology wishes to seek your permission for the conduction of “World Sparrow Day” on 21st March 2022. The department of Zoology wish to conduct a talk on the eve of “world Sparrow Day” which is celebrated on 20th March of every year. This year the day is falling on Sunday , Hence we seek your permission to celebrate it on 21st March 2022. We request you to grant us the permission to conduct the above said activity on 21st March 2022.

Regards.

Dr. Pratibha Mahalle
H.O.D
Zoology

Principal Permission

Department of Zoology in collaboration with **Garden Club, Amravati** had celebrated **“World Sparrow Day”** on **21st March 2022** by organizing seminar for the students on the topic **“Backyard Birds”**. The speaker for the seminar was **Shri. Kiran more**. The main intent behind the organization of this seminar was to create the curiosity of the students towards the birds. **Shri. More** had explained very thoroughly about the biodiversity of birds where students shown good interaction with the speaker



Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Collaborating Agency: Rajarshee Shahu Science College, Chandur Railway.

3) Name of the Activity: Workshop on “Use of Virtual Laboratory in teaching and learning”.

Department of Physics, Rajarshee Shahu Science College, Chandur Rly In Collaboration with IQAC, BSSC, Chandur Rly & Department of Physics, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar Jointly Organized		State Level Online Workshop for Faculty Members on "Use of Virtual Laboratory in Teaching & Learning"	
<p>President</p>  <p>Dr. Sandeep Thakur Principal Rajarshee Shahu Science College, Chandur Rly, Dist.</p>	<p>Chief Guest</p>  <p>Dr. Anil A. Bhoir Principal Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, Dist.</p>	<p>SCHEDULE OF WORKSHOP</p>	
		12.30 pm	Welcome Address Dr. M. J. Kerkhe , Head & IQAC Co-ordinator, Department of Botany, BSSC Chandur Rly
		12.35 pm	Introductory Speech Mr. S.A. Wani , NAM Co-ordinator, Asst. Prof. Dept. of Physics, BSSC, Chandur Rly
		12.55 pm	Introduction of Resource Person Dr. Pankaj Nagpure
		12.42 pm 1.10 Pm	Guest Talk Question-Answer Session Dr. Pankaj Nagpure , Asst. Prof. Dept. of Physics Shri Shriji Science College, Dist.
		1.15pm	Introduction of Resource Person Dr. Shrikant Patil
		1.20 pm 1.20 pm	Guest Talk Question-Answer Session Dr. Shrikant Patil , Assistant Professor, Dept. of Botany Adarsh Science College, Dhankajgaon Rly
		2.00 pm	Valuable Guidance by Chief Guest
		2.15 pm	Presidential Speech Dr. Sandeep Thakur , Principal, Rajarshee Shahu Science College, Chandur Rly
		2.25 pm to 2.30 pm	Vide of Thanks Dr. Bishanil Bhagat , Governor & Asst. Prof., Department of Physics, BSSC, Chandur Rly
<p>Resource Person</p>  <p>Dr. Pankaj Nagpure Assistant Professor, Dept. of Physics Shri Shriji Science College, Dist.</p>  <p>Dr. Shrikant Patil Assistant Professor, Dept. of Botany Adarsh Science College, Dhankajgaon Rly</p>		<p>On dated 15 Sept. 21</p>	

Programme Flyer

To
The Principal
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Dist.: Amravati

Subject: Permission to organize the State Level Online Workshop for Faculty Members on "Use of Virtual Laboratory in Teaching & Learning."

Respected Madam,

As per the above-cited subject, Department of Physics, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, Dist. Amravati is planning to organize the State Level Online Workshop for Faculty Members on "Use of Virtual Laboratory in Teaching & Learning" on 15th September 2021, in collaboration with Department of Physics and IQAC, Rajarshee Shahu Science College Chandur Railway, Dist.: Amravati.

Please permit us to organize the above-mentioned event. Information flyer of the Workshop is attached with this letter.

Thanking you.

Date: 7 Sept. 2021

Place: Nandgaon Khandeshwar

Yours Sincerely

Dr. Anant S. Wadarkar
Head
Department of Physics

Permission granted

PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Kh. Dist. Amravati

Principal Permission

By considering the Pandemic situation facing by the world and educational field, IQAC of both the institutes had organized one day online workshop on **“Use of Virtual Laboratory in teaching and learning,”** on **15th September 2021** via google meet platform for all faculty members of both the colleges. The resource person for the workshop were **Dr. Pankaj Nagpure** and **Dr. Shrikant Patil**. In this workshop, speakers had provided the information of virtual laboratory for the subjects like **Physics, Chemistry, Botany and Zoology**. They also provided the information about their subscription. This will help to use virtual source to run our academic and helpful to the students.

Registration Link-
<https://forms.gle/FAGWnAmY6Z97veR9>



Dr. A. P. Furkhanwale
Head & Asst. Prof., Department of Physics,
Rajarshee Shahu Science College,
Chandur Rly, Dist.

Organizing Committee



Mr. S.A. Wani
NAM Co-ordinator, Asst. Prof. Dept. of Physics, BSSC, Chandur Rly



Dr. Bishanil Bhagat
Governor & Asst. Prof., Department of Physics,
Rajarshee Shahu Science College,
Chandur Rly, Dist.



Dr. M. J. Kerkhe
Head & IQAC Co-ordinator, Department of Botany, BSSC Chandur Rly

Event Link-
meet.google.com/brzcnkmp-xnd



Dr. Anil A. Bhoir
Principal
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Kh. Dist. Amravati



Collaborating Agency: Prashna Chinha Ashram Shala, Mangarul Chavala.

4) Name of the Activity: Celebrated “Ozone Day” for the students of Ashram School”



To,
The Principal,
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Kh.

Subject: Seeking permission to conduct **“OZONE DAY”** program at Prashna Chinha School at Mangrul-Chavala

Respected Madam,

On behalf of Department of Zoology, I Dr Pratibha Mahalle, head Dept. Of Zoology would like to request you to grant us the permission to conduct a program at Prashna Chinha School at Mangrul Chavala on the occasion of **OZONE DAY** on **16th September 2021**. The department of Zoology wish to screen a documentary on OZONE DEPLETION to the residential students of the School

I hope you will grant us the permission for the above mention event.

Date:

Your Faithfully

Dr. Pratibha Mahalle
Head,
Dept. of Zoology.

Principal Permission

Department of zoology had celebrated **“Ozone Day”** at Prashna Chinha Ashram School on **16th September 2021**. The main intent behind the celebration was to aware the students about the importance of trees in human life as well as to highlight the fact that Ozone layer is depleting continuously and everyone should try to help to keep environment clean which will ultimately help to improve the nature. **Mr. Subodh Bansod** and **Dr. Gajendrasingh Pachlore** had interacted with the students and shown them power point presentation for the effective understanding of the topic.



Collaborating Agency: Central Instrumental Cell, Shri Shivaji Science College, Amravati.

5) Name of the Activity: One educational visit to CIC, Amravati.



Date: 26th April 2022

To

The Principal,

Shri Shivaji Science College, Amravati.

Subject- Permission to Visit Central Instrumentation Cell.

Respected Sir,

With reference to the above-mentioned subject the department of Chemistry of Vinayak Vidnyan Mahavidyalaya, Nandgaon, Khandeshwar Dist. Amravati has organized a visit to "Central Instrumentation Cell" of your institute under the MoU signed between the two institutes. The students of B.Sc. Part III and the teachers will visit your college on 6th April 2022. There are about 30 students who are going to visit the institutes.

Kindly grants us the permission for the same. The list of students and teachers attached along with this application.

1) Mr. Nilesh S. Padole - (Mobile Number: 9096312784)

2) Dr. Kavita P. Kakade - (Mobile Number: 7559262365)

3) Dr. Vinod M. Sherekar - (Mobile Number: 9623327576)

Thanking You!

Yours Faithfully

Dr. Alka A. Bhise
Principal
Vinayak Vidnyan Mahavidyalaya
Nandgaon Khandeshwar.

Principal Permission

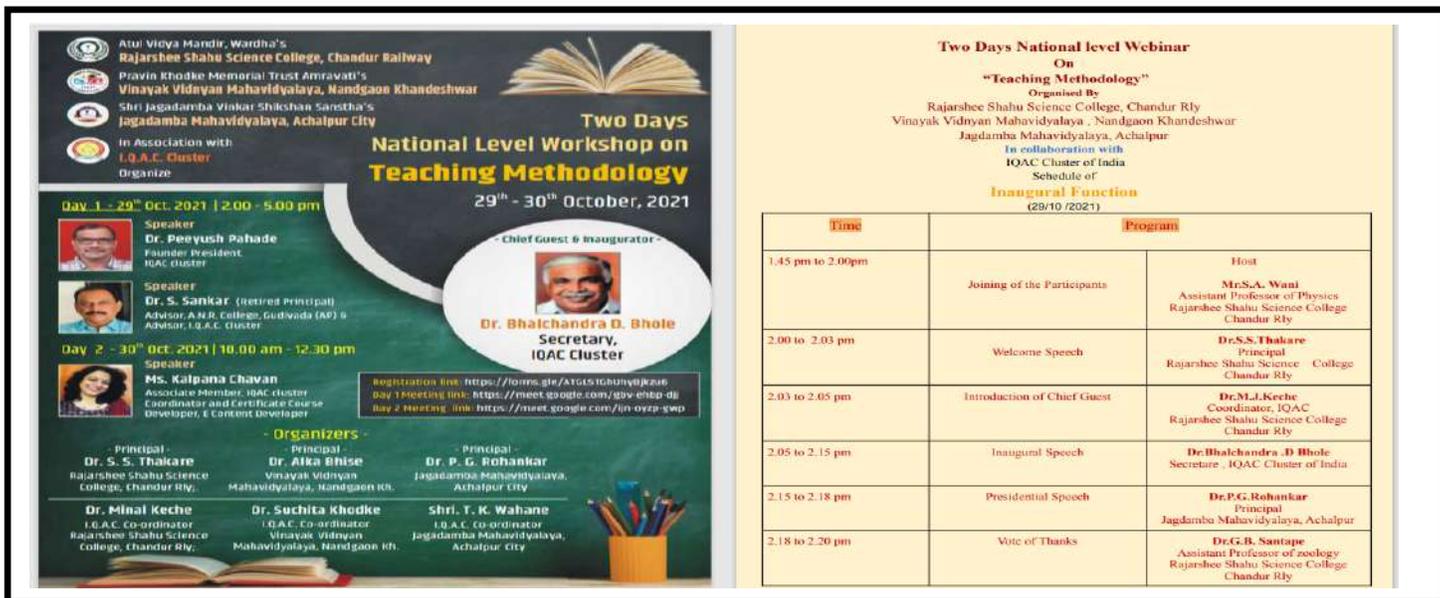
Department of Chemistry had organized one day educational visit for the students of B.Sc. Part III to "**Central Instrumental Cell**" Shri Shivaji Science College, Amravati on **6th April 2022**. Total **Twenty-Nine (29)** students had participated in the educational visit. During the visit students got the information of working and processing of the different instruments like **UV- Spectrometer, X-ray, Infra-red Spectrophotometer, HPLC and Atomic Absorption Spectrometer** and their role while determining the structure of unknown organic compound.



Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Collaborating Agency/Institute: IQAC Cluster, Pune.

6) Name of the Activity: Two Day's National Level Workshop on "Teaching Methodology"



Two Days National Level Webinar On "Teaching Methodology"
Organised By: Rajarshee Shahu Science College, Chandur Rly, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, Jagdamba Mahavidyalaya, Achalpur. In collaboration with IQAC Cluster of India, Schedule of Inaugural Function (29/10 /2021)

Time	Program	Host
1.45 pm to 2.00pm	Joining of the Participants	Mr.S.A. Wani, Assistant Professor of Physics, Rajarshee Shahu Science College, Chandur Rly
2.00 to 2.03 pm	Welcome Speech	Dr.S.S.Thakare, Principal, Rajarshee Shahu Science College, Chandur Rly
2.03 to 2.05 pm	Introduction of Chief Guest	Dr.M.L.Keeche, Coordinator, IQAC, Rajarshee Shahu Science College, Chandur Rly
2.05 to 2.15 pm	Inaugural Speech	Dr.Bhalchandra .D.Bhole, Secretary, IQAC Cluster of India
2.15 to 2.18 pm	Presidential Speech	Dr.P.G.Rohankar, Principal, Jagdamba Mahavidyalaya, Achalpur
2.18 to 2.20 pm	Vote of Thanks	Dr.G.B. Santape, Assistant Professor of zoology, Rajarshee Shahu Science College, Chandur Rly

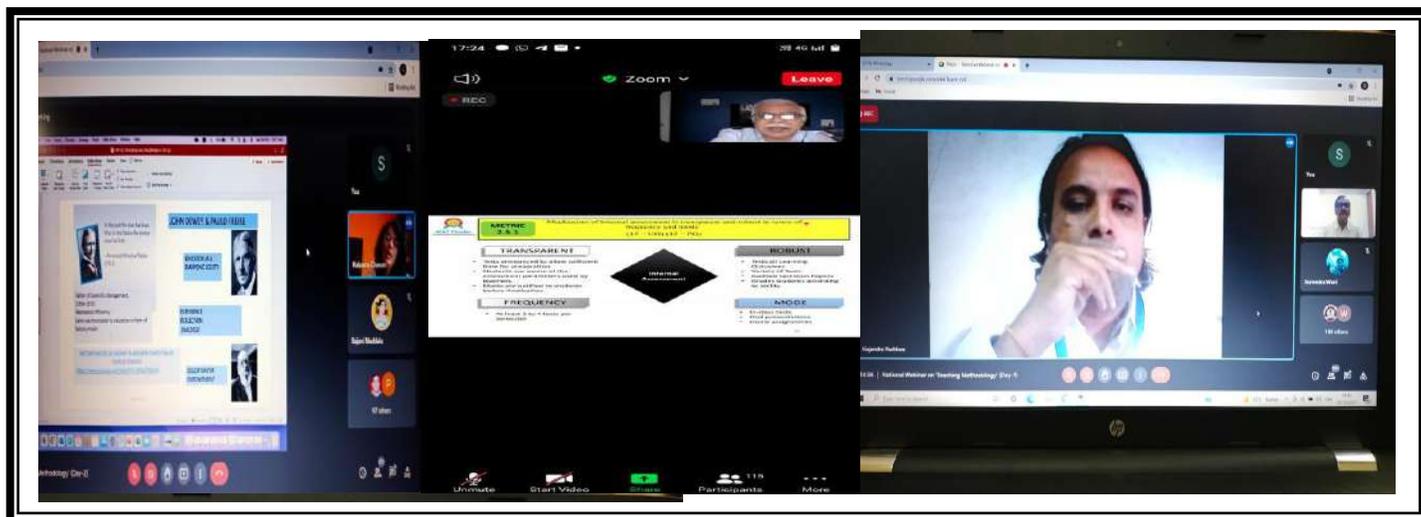
Two Days National Level Workshop on Teaching Methodology
29th - 30th October, 2021

Chief Guest & Inaugurator -
Dr. Bhalchandra D. Bhole
Secretary, IQAC Cluster

Speakers:
Day 1 - 29th Oct. 2021 | 2:00 - 5:00 pm
Dr. Peeyush Bahade, Rajarshee Shahu Science College, Chandur Rly
Dr. S. Sankar, Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.
Ms. Kalpana Chavan, Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Organizers:
Dr. S. S. Thakare, Rajarshee Shahu Science College, Chandur Rly.
Dr. Alka Bhoise, Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.
Dr. Minal Keeche, Rajarshee Shahu Science College, Chandur Rly.
Dr. Suchita Khedke, Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.
Shri. T. K. Wahane, Jagdamba Mahavidyalaya, Achalpur City.

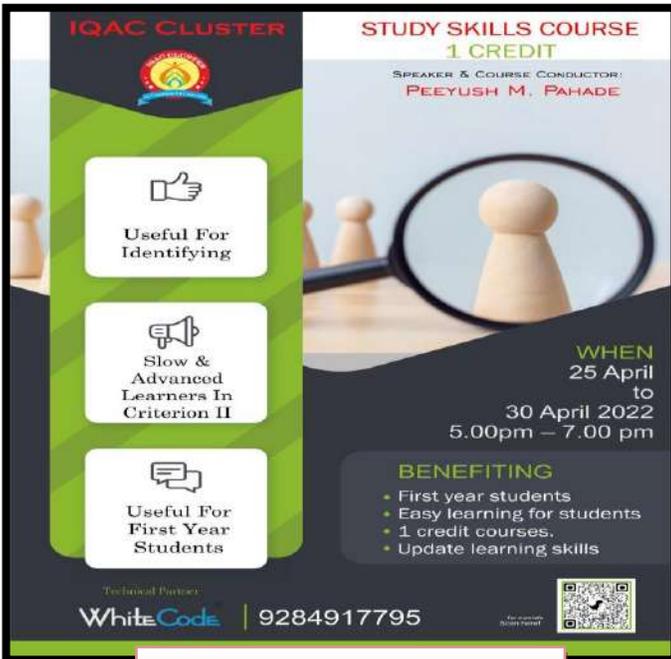
Two days online National level workshop on **“Teaching Methodology”** was organized on **29th and 30th October 2021** in collaboration with IQAC Cluster of India, Pune and Vinayak Vidnyan Mahavidyalaya, Rajarshee Shahu Science college and Jagdamba Mahavidyalaya. The speakers for the workshop were, **Dr. Peeyush Pahade, Dr. S. Sankar and Ms. Kalpana Chavan**. During the two days workshop, there was thorough discussion on Evolution of teaching methodologies, teaching pedagogies, Innovative and Blended teaching learning.



Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Collaborating Agency: IQAC Cluster, Pune.

7) Name of the Activity: One Week Online “Soft Skill Learning Course”



Programme Flyer

To,
The Principal,
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar.

Subject: Permission to enroll students of B.Sc. and B.Com. Part I for “Study Skills Learning Course”.

Respected Madam,

With reference above mentioned subject, as a part of MoU with IQAC cluster Pune, IQAC of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar is going to organizes one week “Study Skills Learning Course” for the students of B.Sc. and B.Com. Part I of academic session 2021-22 from 25th April 2022 to 30th April 2022 in collaboration with IQAC Cluster of Pune. The course is online mode and will conduct via ZOOM platform from 5 PM to 7 PM in the evening. Dr. Dashrath Kale, Assistant Professor, department of Commerce will be coordinator for the course.

I kindly request to you, to give permission to organize this workshop.

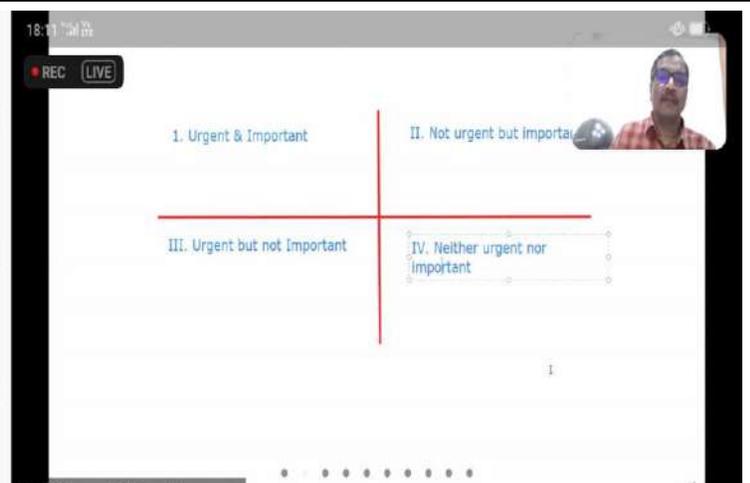
Date: 20th April 2022

Dr. Suchita P. Khodke

IQAC Coordinator
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar.

Principal Permission

IQAC of Vinayak Vidnyan Mahavidyalaya in collaboration with IQAC Cluster, Pune had organized “Study Skill Learning Course” from 25th April 2022 to 1st May 2022 via online platform for the students of B.Sc. and B.Com. Part I. The key note speaker for this online course were Dr. Piyush M. Pahade, and Miss. Deepa Panakkal. The main motive behind the organization of the workshop was student must be able to read the content carefully, to learn the content, to express the knowledge in proper way and to prepare the students for the future challenges. Dr. Dashrath Kale and Dr. Vinod Sherekar had taken all the responsibilities for the successful conduction of the course.



Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Collaborative activities for Student and Faculty Exchange Programme for the year 2021-22

Under the MoU signed with Rajarshee Shahu Science College, Chandur Railway, both the institutes under the aegis of IQAC, had conducted Student and Faculty Exchange Programme (SAFE) for the students of B.Sc. Part I, II and III from 27th July 2021 to 28th July 2021 with the help of online platforms like Zoom and Google Meet.

SAFE programme had conducted for the subjects Botany, Zoology, Chemistry, Physics and Mathematics which covers the topics as per the academic curriculum. In this programme faculties from both institutes had interacted with the students and shared their knowledge.

The schedule for the online classes were as follows

Time Table for Online Classes for the Students of Vinayak Vidnyan Mahavidyalaya Nandgaon Khandeshwar.

Date	Day	Class	11.30-12.10 PM	12.30-1.10 PM	1.30-2.10 PM	2.30-3.10 PM
27/7/2021	Tuesday	B.Sc. I	CHE(APT)	ZOO(GBS)	BOT(PRS)	PHY(SAW)
		B.Sc. II	BOT(MJK)	CHE(SSP)	PHY(RNB)	MATH(RVK)
		B.Sc. III	ZOO(MPC)	BOT(SSP)	MATH(MSP)	PHY(APP)
28/7/2021	Wednesday	B.Sc. I	PHY(RNB)	CHE(SSP)	ZOO(MPC)	BOT(MJK)
		B.Sc. II	PHY(SAW)	BOT(SSP)	CHE(APT)	MATH(MSP)
		B.Sc. III	MATH(RVK)	ZOO(GBS)	BOT(PRS)	CHE(ADB)

Time Table for Online Classes for the Students of Rajarshee Shahu Science College Chandur Rly.

Date	Day	Class	11.30-12.10 PM	12.30-1.10 PM	1.30-2.10 PM	2.30-3.10 PM
27/7/2021	Tuesday	B.Sc. I	CHE(KPK)	ZOO(GSP)	BOT(SPK)	PHY(ASW)
		B.Sc. II	BOT(SPK)	CHE(NSP)	PHY(AVA)	MATH(ASB)
		B.Sc. III	ZOO(SNB)	BOT(SVH)	MATH(ASB)	PHY(PBK)
28/7/2021	Wednesday	B.Sc. I	PHY(ASW)	CHE(VMS)	ZOO(PSM)	BOT(SPK)
		B.Sc. II	PHY(AVA)	BOT(SVH)	CHE(NSP)	MATH(PBD)
		B.Sc. III	MATH(PBD)	ZOO(SPT)	BOT(SVH)	CHE(KPK)


 Dr. Alka A. Bhisre
 PRINCIPAL
 Vinayak Vidnyan Mahavidyalaya,
 Nandgaon Khan, Dist. Amravati

To,
The Principal,
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar.

Subject: Seeking permission to organize and conduct "SAFE Programme" under MoU.

Respected Madam,

With reference to above mentioned subject, IQAC of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar willing to organize and conduct online classes under "Student and Faculty Exchange Programme" with Rajarshee Shahu Science college, Chandur Railway under the MoU signed in between two institutes. This programme will be conducted on virtual platforms (Google Meet and Zoom) from 26th July 2021 to 27th July 2021.

So, kindly request to you madam, please allow us to organize and conduct Online classes under "Student and Faculty Exchange Programme."

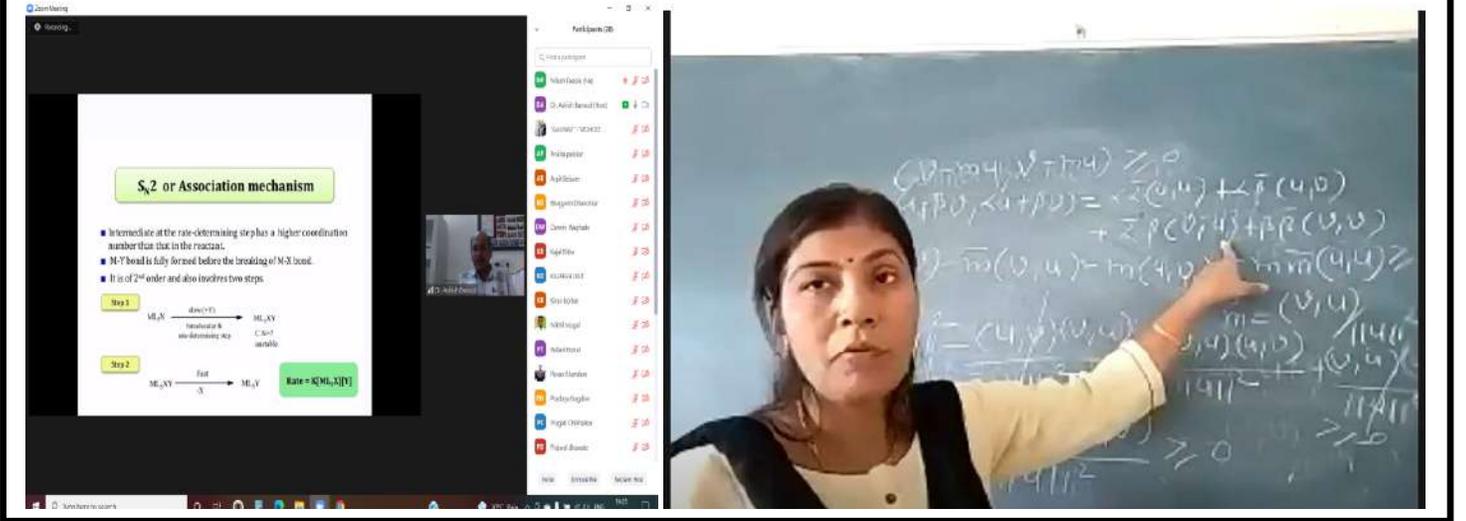
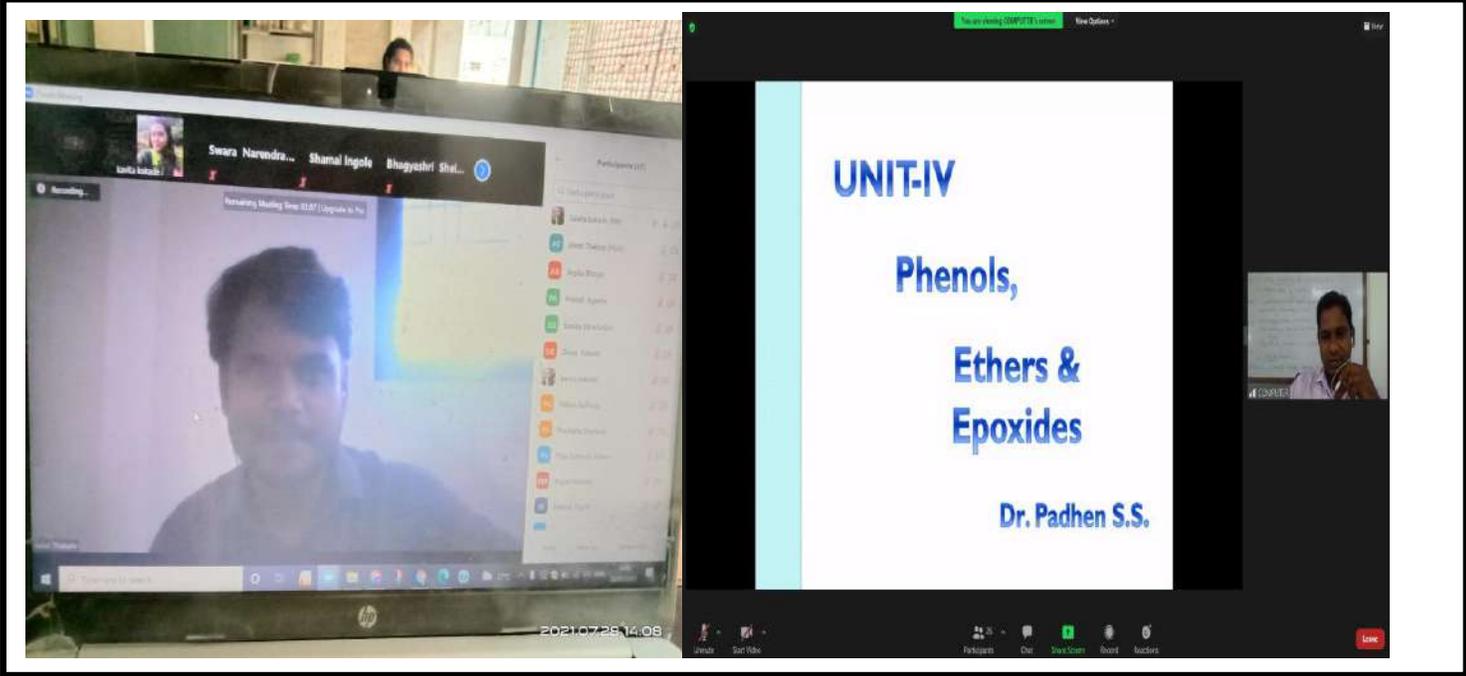
Thanking You!

Date: 24th July 2021
Place: Nandgaon Khandeshwar

Your Faithfully

 Dr. Suchita F. Khodke
 IQAC Coordinator
 Vinayak Vidnyan Mahavidyalaya,
 Nandgaon Khandeshwar
 Vinayak Vidnyan Mahavidyalaya,
 Nandgaon Khan, Dist. Amravati


 PRINCIPAL
 Vinayak Vidnyan Mahavidyalaya,
 Nandgaon Khan, Dist. Amravati



Collaborative activities for Student and Faculty Exchange Programme for the year 2021-22

Under the MoU signed with Rajarshree Shahu Science College, Chandur Railway, both the institutes under the aegis of IQAC, had conducted Student and Faculty Exchange Programme (SAFE) for the students of B.Sc. Part I, II and III from 14th May 2022 to 17th May 2022 with the help of online platforms like Zoom and Google Meet.

SAFE programme had conducted for the subjects Botany, Zoology, Chemistry, Physics and Mathematics which covers the topics as per the academic curriculum. In this programme faculties from both institutes had interacted with the students and shared their knowledge

The schedule for the online classes were as follows

Time Table for Online Classes for the Students of Vinayak Vidnyan Mahavidyalaya Nandgaon Khandeshwar.						
Date	Day	Class	9.30 -10.10 AM	10.20-11AM.	11.10-11.50 AM	12.00-12.40 PM
14/05/2022	Saturday	B.Sc. I	CHE(APT)	ZOO(GBS)	BOT(PRS)	PHY(SAW)
		B.Sc. II	BOT(MJK)	CHE(SSP)	PHY(RNB)	MATH(RVK)
		B.Sc. III	ZOO(MPC)	BOT(SSP)	MATH(MSP)	PHY(APP)
17/05/2022	Tuesday	B.Sc. I	PHY(RNB)	CHE(SSP)	ZOO(MPC)	BOT(MJK)
		B.Sc. II	PHY(SAW)	BOT(SSP)	CHE(APT)	MATH(MSP)
		B.Sc. III	MATH(RVK)	ZOO(GBS)	BOT(PRS)	CHE(ADB)

Time Table for Online Classes for the Students of Rajarshree Shahu Science College Chandur Rly.						
Date	Day	Class	9.30 -10.10 AM	10.20-11AM.	11.10-11.50 AM	12.00-12.40 PM
14/05/2022	Saturday	B.Sc. I	CHE(KPK)	ZOO(GSP)	BOT(SPK)	PHY(ASW)
		B.Sc. II	BOT(SPK)	CHE(NSP)	PHY(AVA)	MATH(ASB)
		B.Sc. III	ZOO(SNB)	BOT(SVH)	MATH(ASB)	PHY(PBK)
17/05/2022	Tuesday	B.Sc. I	PHY(ASW)	CHE(VMS)	ZOO(PSM)	BOT(SPK)
		B.Sc. II	PHY(AVA)	BOT(SVH)	CHE(NSP)	MATH(PBD)
		B.Sc. III	MATH(PBD)	ZOO(SPT)	BOT(SVH)	CHE(KPK)


 Dr. Alka A. Bhise
 PRINCIPAL
 Vinayak Vidnyan Mahavidyalaya,
 Nandgaon Khan, Dist. Amravati

To,
 The Principal,
 Vinayak Vidnyan Mahavidyalaya,
 Nandgaon Khandeshwar.

Subject: Seeking permission to organize and conduct "SAFE Programme" under MoU.

Respected Madam,

With reference to above mentioned subject, IQAC of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar willing to organize and conduct online classes under "Student and Faculty Exchange Programme" with Rajarshree Shahu Science college, Chandur Railway under the MoU signed in between two institutes. This programme will be conducted on virtual platforms (Google Meet and Zoom) from 14th May 2022 to 17th May 2022.

So, kindly request to you madam, please allow us to organize and conduct Online classes under "Student and Faculty Exchange Programme."

Thanking You!

Date: 12th May 2022
 Place: Nandgaon Khandeshwar

Your Faithfully

 Dr. Suchita P. Khodke
 IQAC Coordinator
 Vinayak Vidnyan Mahavidyalaya,
 Nandgaon Khan, Dist. Amravati


 PRINCIPAL
 Vinayak Vidnyan Mahavidyalaya,
 Nandgaon Khan, Dist. Amravati

Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Report of Students and Faculty Exchange Program (SAFE) Between VVM and RSSC
Department of Botany

Lecture delivered by: Faculty members of VVM For: The students of RSSC

Date	Day	Name of Teacher	Class	Time	Topic Covered	ICT Used	Remark
14.05.2022	Tuesday	Dr. S.P. Khosle	BSc Part II Sem II	11:30-11:50am	Types of roots in plants	Laptop and PPT	
14.05.2022	Tuesday	Dr. S.P. Khosle	BSc Part II Sem IV	9:30-10:30am	Cell Division	Laptop and PPT	
14.05.2022	Tuesday	Mr. S.V. Muraik	BSc Part II Sem IV	10:30-11:30am	Lip. Openes-Structure	Laptop and PPT	
17.05.2022	Wednesday	Dr. S.P. Khosle	BSc Part I Sem II	11:30-12:30pm	Modification of roots in plants	Laptop and PPT	
17.05.2022	Wednesday	Mr. S.V. Muraik	BSc Part I Sem IV	10:30-11:30am	Morphology of chromosome	Laptop and PPT	
17.05.2022	Wednesday	Mr. S.V. Muraik	BSc Part II Sem III	11:30-11:50am	Lip. Openes-Repulsion	Laptop and PPT	

Date: 14/05/2022
 Dr. Sushil K. Joshi, Head of Department
 Dr. Abhijit Bansod, Co-ordinator (Criteria III)
 Dr. Sachin Khodke, IQAC Co-ordinator
 Dr. Alka A. Bhishe, Principal
 I.Q.A.C. Co-ordinator
 Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Report of Students and Faculty Exchange Program (SAFE) Between VVM and RSSC
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17.05.2022	Wednesday	Dr. S.P. Khosle	BSc Part I Sem II	11:30-12:30pm	Modification of roots in plants	Laptop and PPT	
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Date: 14/05/2022
 Dr. Sushil K. Joshi, Head of Department
 Dr. Abhijit Bansod, Co-ordinator (Criteria III)
 Dr. Sachin Khodke, IQAC Co-ordinator
 Dr. Alka A. Bhishe, Principal
 I.Q.A.C. Co-ordinator
 Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Report of Students and Faculty Exchange Program (SAFE) Between VVM and RSSC
Department of Zoology, Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Lecture delivered by: Faculty members of VVM For: The students of RSSC

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14.05.2022	Tuesday	Mr. S.V. Muraik	BSc Part II Sem IV	10:30-11:30am	Lip. Openes-Structure	Laptop and PPT	
17.05.2022	Wednesday	Dr. S.P. Khosle	BSc Part I Sem II	11:30-12:30pm	Modification of roots in plants	Laptop and PPT	
17.05.2022	Wednesday	Mr. S.V. Muraik	BSc Part I Sem IV	10:30-11:30am	Morphology of chromosome	Laptop and PPT	
17.05.2022	Wednesday	Mr. S.V. Muraik	BSc Part II Sem III	11:30-11:50am	Lip. Openes-Repulsion	Laptop and PPT	

Date: 14/05/2022
 Dr. Sushil K. Joshi, Head of Department
 Dr. Abhijit Bansod, Co-ordinator (Criteria III)
 Dr. Sachin Khodke, IQAC Co-ordinator
 Dr. Alka A. Bhishe, Principal
 I.Q.A.C. Co-ordinator
 Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Report of Students and Faculty Exchange Program (SAFE) Between VVM and RSSC
Department of Zoology, Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Lecture delivered by: Faculty members of RSSC For: The students of VVM

Date	Day	Name of Teacher	Class	Time	Topic Covered	ICT Used	Remark
14.05.2022	Saturday	Dr. Mahesh Chikale	BSc Part II Sem IV	9:30-10:30	Invertebrate	Laptop and PPT	
14.05.2022	Saturday	Dr. G.B. Sontak	BSc Part II Sem II	10:30-11:30	Plasma Membrane	Laptop and PPT	
17.05.2022	Tuesday	Dr. Mahesh Chikale	BSc Part I Sem II	11:30-11:50	Polysome Chromosome	Laptop and PPT	
17.05.2022	Tuesday	Dr. G.B. Sontak	BSc Part II Sem II	10:30-11:30	Olds Paper Handling	Laptop and PPT	

Date: 14/05/2022
 Dr. Prabhakar Mahade, Head of Department
 Dr. Abhijit Bansod, Co-ordinator (Criteria III)
 Dr. Sachin Khodke, IQAC Co-ordinator
 Dr. Alka A. Bhishe, Principal
 I.Q.A.C. Co-ordinator
 Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Report of Students and Faculty Exchange Program (SAFE) Between VVM and RSSC
Department of Chemistry, Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Lecture delivered by: Faculty members of VVM For: The students of RSSC

Date	Day	Name of Teacher	Class	Time	Topic Covered	ICT Used	Remark
14.05.2022	Tuesday	Dr. Sushil K. Joshi	BSc Part II Sem IV	9:30-10:30 am	Chemical Equilibrium	Laptop and PPT	
14.05.2022	Tuesday	Dr. Sushil K. Joshi	BSc Part II Sem II	10:30-11:30 am	Atomic Structure	Laptop and PPT	
17.05.2022	Tuesday	Dr. Sushil K. Joshi	BSc Part II Sem IV	9:30-10:30 am	Chemical Equilibrium	Laptop and PPT	
17.05.2022	Tuesday	Dr. Sushil K. Joshi	BSc Part II Sem II	10:30-11:30 am	Atomic Structure	Laptop and PPT	

Date: 14/05/2022
 Dr. Sushil K. Joshi, Head of Department
 Dr. Abhijit Bansod, Co-ordinator (Criteria III)
 Dr. Sachin Khodke, IQAC Co-ordinator
 Dr. Alka A. Bhishe, Principal
 I.Q.A.C. Co-ordinator
 Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Report of Students and Faculty Exchange Program (SAFE) Between VVM and RSSC
Department of Chemistry, Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Lecture delivered by: Faculty members of RSSC For: The students of VVM

Date	Day	Name of Teacher	Class	Time	Topic Covered	ICT Used	Remark
14.05.2022	Tuesday	Dr. Sushil K. Joshi	BSc Part II Sem IV	9:30-10:30 am	Chemical Equilibrium	Laptop and PPT	
14.05.2022	Tuesday	Dr. Sushil K. Joshi	BSc Part II Sem II	10:30-11:30 am	Atomic Structure	Laptop and PPT	
17.05.2022	Tuesday	Dr. Sushil K. Joshi	BSc Part II Sem IV	9:30-10:30 am	Chemical Equilibrium	Laptop and PPT	
17.05.2022	Tuesday	Dr. Sushil K. Joshi	BSc Part II Sem II	10:30-11:30 am	Atomic Structure	Laptop and PPT	

Date: 14/05/2022
 Dr. Sushil K. Joshi, Head of Department
 Dr. Abhijit Bansod, Co-ordinator (Criteria III)
 Dr. Sachin Khodke, IQAC Co-ordinator
 Dr. Alka A. Bhishe, Principal
 I.Q.A.C. Co-ordinator
 Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Report of Students and Faculty Exchange Program (SAFE) Between VVM and RSSC
Department of Physics, Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Lecture delivered by: Faculty members of VVM For: The students of RSSC

Date	Day	Name of Teacher	Class	Time	Topic Covered	ICT Used	Remark
14.05.2022	Saturday	Dr. A. S. Wadkar	BSc Part I Sem II	12:00 to 12:40PM	Particle Accelerator	Laptop and PPT	
14.05.2022	Saturday	Mr. A. V. Ambhure	BSc Part II Sem IV	11:10 to 11:50 AM	Diffraction of Light	Mobile Camera	
14.05.2022	Saturday	Dr. P. B. Kharat	BSc Part III Sem VI	12:00 to 12:40PM	Crystal Structure	Laptop and PPT	
17.05.2022	Tuesday	Dr. A. S. Wadkar	BSc Part I Sem II	12:00 to 10:10 AM	Cyclotron	Mobile Camera	
17.05.2022	Tuesday	Mr. A. V. Ambhure	BSc Part II Sem IV	9:30 to 10:10 AM	Diffraction of Light	Laptop and PPT	

Date: 14/05/2022
 Dr. Anant S. Wadkar, Head of Department
 Dr. Abhijit Bansod, Co-ordinator (Criteria III)
 Dr. Sachin Khodke, IQAC Co-ordinator
 Dr. Alka A. Bhishe, Principal
 I.Q.A.C. Co-ordinator
 Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Report of Students and Faculty Exchange Program (SAFE) Between VVM and RSSC
Department of Physics, Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Lecture delivered by: Faculty members of VVM For: The students of RSSC

Date	Day	Name of Teacher	Class	Time	Topic Covered	ICT Used	Remark
14.05.2022	Saturday	Dr. A. S. Wadkar	BSc Part I Sem II	12:00 to 12:40PM	Particle Accelerator	Laptop and PPT	
14.05.2022	Saturday	Mr. A. V. Ambhure	BSc Part II Sem IV	11:10 to 11:50 AM	Diffraction of Light	Mobile Camera	
14.05.2022	Saturday	Dr. P. B. Kharat	BSc Part III Sem VI	12:00 to 12:40PM	Crystal Structure	Laptop and PPT	
17.05.2022	Tuesday	Dr. A. S. Wadkar	BSc Part I Sem II	9:30 to 10:10 AM	Cyclotron	Mobile Camera	
17.05.2022	Tuesday	Mr. A. V. Ambhure	BSc Part II Sem IV	9:30 to 10:10 AM	Diffraction of Light	Laptop and PPT	

Date: 14/05/2022
 Dr. Anant S. Wadkar, Head of Department
 Dr. Abhijit Bansod, Co-ordinator (Criteria III)
 Dr. Sachin Khodke, IQAC Co-ordinator
 Dr. Alka A. Bhishe, Principal
 I.Q.A.C. Co-ordinator
 Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Report of Students and Faculty Exchange Program (SAFE) Between VVM and RSSC
Department of Mathematics, Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Lecture delivered by: Faculty members of VVM For: The students of RSSC

Date	Day	Name of Teacher	Class	Time	Topic Covered	ICT Used	Remark
14.05.2022	Saturday	Dr. Abhijit S. Bansod	B.Sc.-III (Sem.-VII)	11:30 am - 11:50 am	Introduction to Linear Transformation	Laptop and Digital writing pad	
14.05.2022	Saturday	Dr. Abhijit S. Bansod	B.Sc.-II (Sem.-VI)	12:40 pm - 1:00 pm	Lagrange's Equation of Motion	Laptop and Digital writing pad	
17.05.2022	Tuesday	Dr. Prithi B. Deshmukh	B.Sc.-III (Sem.-VII)	11:30 am - 11:50 am	Vector Space	Laptop and Digital writing pad	
17.05.2022	Tuesday	Dr. Prithi B. Deshmukh	BSc Part II Sem IV	12:00 pm - 12:40 pm	Kernel of Homomorphism	Laptop and Digital writing pad	

Date: 17/05/2022
 Dr. Prithi Deshmukh, Head of Department
 Dr. Abhijit Bansod, Co-ordinator (Criteria III)
 Dr. Sachin Khodke, IQAC Co-ordinator
 Dr. Alka A. Bhishe, Principal
 I.Q.A.C. Co-ordinator
 Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

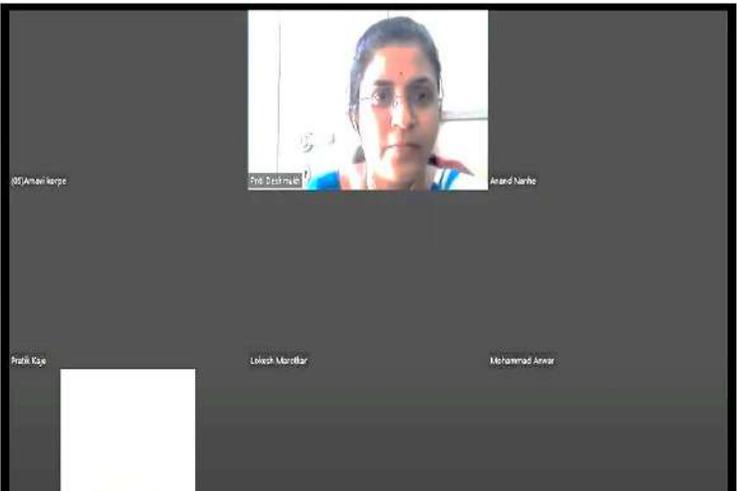
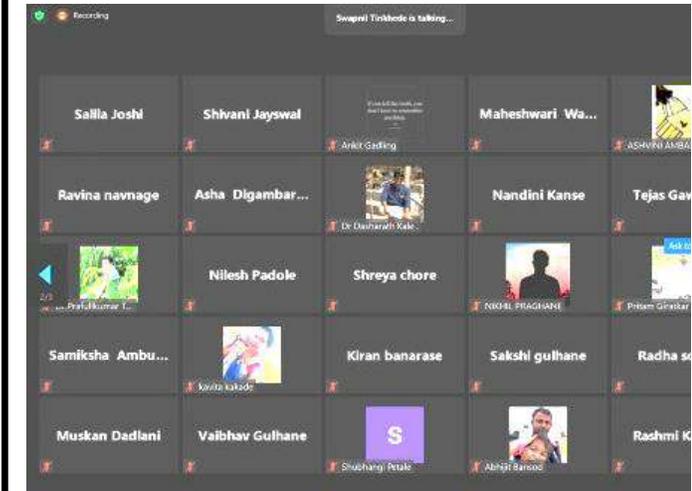
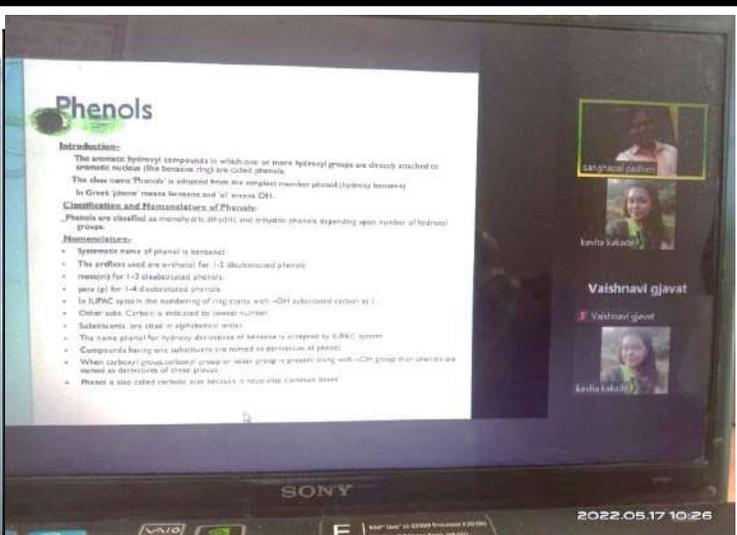
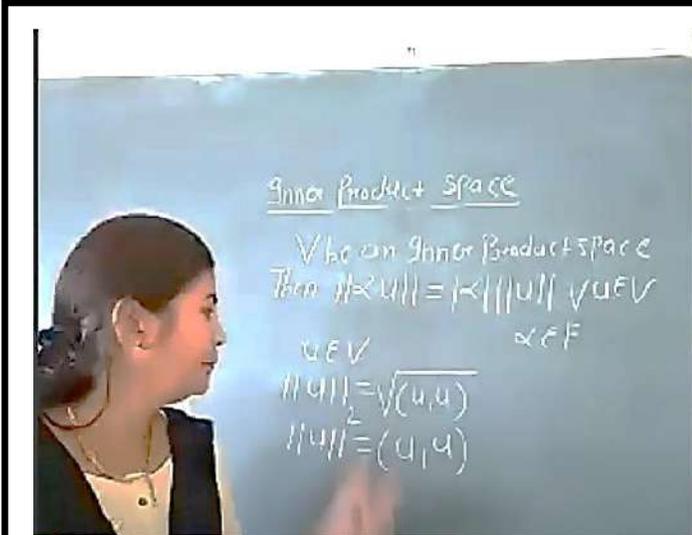
Report of Students and Faculty Exchange Program (SAFE) Between VVM and RSSC
Department of Mathematics, Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

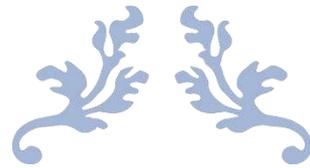
Lecture delivered by: Faculty members of RSSC For: The students of VVM

Date	Day	Name of Teacher	Class	Time	Topic Covered	ICT Used	Remark
14.05.2022	Saturday	Mr. Mamata Patil	B.Sc.-III (Sem.-VII)	11:10 am - 11:50 am	Graph Theory	Used Blackboard & chalk	
14.05.2022	Saturday	Dr. Rekha Kene	B.Sc.-II Sem.-VI	12:00 pm - 12:40 pm	Modern Algebra: Ring	Used Blackboard & chalk	
17.05.2022	Tuesday	Dr. Rekha Kene	B.Sc.-III (Sem.-VII)	11:10 am - 11:50 am	Linear Algebra: Linear transformation	Used Blackboard & chalk	
17.05.2022	Tuesday	Mr. Mamata Patil	B.Sc.-II Sem.-VI	12:00 pm - 12:40 pm	Classical Mechanics: Notation Matrix	Used Blackboard & chalk	

Date: 17/05/2022
 Dr. Prithi Deshmukh, Head of Department
 Dr. Abhijit Bansod, Co-ordinator (Criteria III)
 Dr. Sachin Khodke, IQAC Co-ordinator
 Dr. Alka A. Bhishe, Principal
 I.Q.A.C. Co-ordinator
 Vinayak Vidyan Mahavidyalaya, Nandgaon Kh.

Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.





2. Activities Under Research Collaborations



Contents

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2. Collaborative research work with **Dr. Rekha C. Maggirwar**, Department of Botany, Shri Shivaji Science College, Amravati.
- **III. Collaboratives activities for Research during the year 2019-20 5-9**
3. Collaborative research work with **Dr. Vijay G. Mete**, Department of Mathematics, R.D.I.K. and K.D. College, Badnera-Amravati.
4. Collaborative research work with **Dr. K. M. Jadhav**, Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
5. Collaborative research work with **Dr. S. G. Onkar**, Department of Physics, Adarsha Science, Jairamdas Bhagchand Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.
6. Collaborative research work with **Dr. S. B. Somwanshi**, Research Scholar, Department of Chemistry, Dr. B. A. M. University, Aurangabad, Maharashtra, 431004 India.
7. Collaborative research work with **Dr. S. B. Somwanshi**, Research Scholar, School of Materials Engineering, Purdue University, West Lafayette, IN 47907, U.S.
- **IV. Collaboratives activities for Research during the year 2020-21..... 10-11**
8. Collaborative research work with **Dr. Rekha C. Maggirwar**, Department of Botany, Shri Shivaji Science College, Amravati.
9. Collaborative research work with **Dr. Mamta Chandrakar**, Department of Zoology, Bajaj College of Science, Wardha.
10. Collaborative research work with **Dr. Vijay G. Mete**, Department of Mathematics, R.D.I.K. and K.D. College, Badnera-Amravati.
11. Collaborative research work with **Dr. K. M. Jadhav**, Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

- **V. Collaboratives activities for Research during the year 2021-22.....** **12-13**
12. Collaborative research work with **Dr. Mamta Chandrakar**, Department of Zoology, Bajaj College of Science, Wardha.
13. Collaborative research work with **Dr. Vijay G. Mete**, Department of Mathematics, R.D.I.K. and K.D. College, Badnera-Amravati.
14. Collaborative research work with **Dr. K. M. Jadhav**, Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
15. Collaborative research work with **Dr. S. B. Somvanshi**, Research Scholar, School of Materials Engineering, Purdue University, West Lafayette, IN 47907, United States.
- **VI. Certificates of Recognition.....** **14-18**

**I. Collaborative activities for research, Faculty exchange, Student exchange/
internship in the year 2017 – 2018**

Collaborative Publication of Dr. Suchita Khodke with Dr. Rekha C. Maggirwar

Sr No.	Authors	Paper Details (Title, Journal, issue, pages etc.)	Year of Publication	Link to Paper
1	R. C. Maggirwar G.B. Hedawoo, S.P. Khodke , P. B. Bobade	International journal of researches in biosciences, agriculture, and technology, (2), vol-v, ISSN No. 2347-517X (Online)	July 2017	https://ijrbat.in/upload_papers/02102017064624204.pdf
2	Maggirwar RC, Khodke SP , Deshmukh SB Malokar SG	Int. J. of Life Sciences, Special Issue, A8 , ISSN: 2320-7817	2017	RCMIJLSsep2017 (6).pdf

II. Collaborative activities for research, Faculty exchange, Student exchange/ internship in the year 2018 – 2019

Collaborative Publication of Dr. Suchita Khodke with Dr. Rekha C. Maggirwar

Sr No.	Authors	Paper Details (Title, Journal, issue, pages etc.)	Year of Publication	Link to Paper
1.	P. W. Deotare, S. P. Khodke , R. C. Maggirwar, S. K. Kharwade	An International Research Journal in Botany, Volume 01, Issue 06,	2019	EBSCOhost 147538592 Arbuscular Mycorrhizal and Endophytic (DSE) association in the dominant grasses of Melghat Forest (Phase -II), India.
2	P.W. Deotare, S.P. Khodke , R.C. Maggirwar S.K. Kharwade	Journal of Plant Science and Research, 36 (1-2) 211-224,	2020	http://olddrji.lbp.world/JournalVolumeDetails.aspx?jid=2581-589X&vol=Volume%20:%201%20Issue%20:%206,%20March,%202019&volid=6#

III. Collaborative activities for research, Faculty exchange, Student exchange/ internship in the year 2019 – 2020

Collaborative Publication of Dr. Abhijit Bansod with Dr. Vinayak G. Mete

Sr No.	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
1.	V. G. Mete, A. S. Bansod P. B. Murade2	AEGAEUM JOURNAL, ISSN NO: 0776-3808, Volume 8, Issue 3, 2020, Page No. 992-1005	March 2020	https://www.researchgate.net/publication/340162485_Bianchi_Types_Cosmological_Models_with_Cold_Dark_Matter_and_Anisotropic_Dark_Energy_in_Saez-Ballester_Theory_of_Gravitation

Collaborative Publication of Dr. Prashant Kharat with Dr. K. M. Jadhav

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>1.</u>	Dhananjay N. Bhojar, Sandeep B. Somvanshi, Prashant B. Kharat , A. A. Pandit, K. M. Jadhav	Structural, infrared, magnetic and ferroelectric properties of Sr _{0.5} Ba _{0.5} Ti _{1-x} Fe _x O ₃ nanoceramics: Modifications via trivalent Fe ion doping. Physic B: Condensed Matter, Elsevier Volume 581 , 15 March 2020, 411944.	March 2020	https://www.sciencedirect.com/science/article/abs/pii/S0921452619308245
<u>2.</u>	Mangesh V. Khedkar, Swapnil A. Jadhav, Sandeep B. Somvanshi, Prashant B. Kharat , K. M. Jadhav	Physicochemical properties of ambient pressure dried surface modified silica aerogels: effect of pH variation SN Applied Sciences, Springer Nature Article number: 696 (2020)	March 2020	https://link.springer.com/article/10.1007/s42452-020-2463-3
<u>3.</u>	Sandeep B. Somvanshi, Prashant B. Kharat , Mangesh V. Khedkar, K. M. Jadhav	Hydrophobic to hydrophilic surface transformation of nano-scale zinc ferrite via oleic acid coating: Magnetic hyperthermia study towards biomedical applications Ceramics International, Elsevier Volume 46, Issue 6 , 15 April 2020, Pages 7642-7653	April 2020	https://www.sciencedirect.com/science/article/pii/S0272884219334583

Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>4.</u>	Supriya R. Patade, Deepali D. Andhare, Prashant B. Kharat , Ashok V. Humbe, K. M. Jadhav	Impact of crystallites on enhancement of bandgap of Mn _{1-x} Zn _x Fe ₂ O ₄ (1 ≥ x ≥ 0) nanospinels Chemical Physics Letters, Elsevier Volume 745 , 16 April 2020, 137240	April 2020	https://www.sciencedirect.com/science/article/abs/pii/S000926142030155X
<u>5.</u>	Sandeep B. Somvanshi, Mangesh V. Khedkar, Prashant B. Kharat , K. M. Jadhav	Influential diamagnetic magnesium (Mg ²⁺) ion substitution in nano-spinel zinc ferrite (ZnFe ₂ O ₄): Thermal, structural, spectral, optical and physisorption analysis Ceramics International, Elsevier Volume 46, Issue 7 , May 2020, Pages 8640-8650	May 2020	https://www.sciencedirect.com/science/article/pii/S0272884219335862
<u>6.</u>	Sandeep B. Somvanshi, Prashant B. Kharat , Tukaram S. Saraf, Saurabh B. Somvanshi, Sumit B. Shejul, K. M. Jadhav	Multifunctional nano-magnetic particles assisted viral RNA-extraction protocol for potential detection of COVID-19 Materials Research Innovations, Taylor & Francis Volume 25, 2021 - Issue 3	11 May 2020	https://www.tandfonline.com/doi/full/10.1080/14328917.2020.1769350
<u>7.</u>	Sandeep B. Somvanshi, Swapnil A. Jadhav, Mangesh V. Khedkar, Prashant B. Kharat , S. D. More, K. M. Jadhav	Structural, thermal, spectral, optical and surface analysis of rare earth metal ion (Gd ³⁺) doped mixed Zn–Mg nanospinel ferrites Ceramics International, Elsevier Volume 46, Issue 9 , 15 June 2020, Pages 13170-13179	June 2020	https://www.sciencedirect.com/science/article/pii/S0272884220304132
<u>8.</u>	Pallavi G. Undre, Prashant B. Kharat , Jitendra S. Kounsalye, R. V. Kathare, K. M. Jadhav	Structural, morphological and magnetic properties of Cu ²⁺ doped ZnO nanoparticles Journal of Physics: Conference Series, IOP Publishing Pallavi G. Undre <i>et al</i> 2020 <i>J. Phys.: Conf. Ser.</i> 1644 012008	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012008/meta
<u>9.</u>	Prashant B. Kharat , Sandeep B. Somvanshi, Pankaj P. Khirade and K. M. Jadhav	Effect of magnetic field on thermal conductivity of the cobalt ferrite magnetic nanofluids Journal of Physics: Conference Series, IOP Publishing Prashant B. Kharat <i>et al</i> 2020 <i>J. Phys.: Conf. Ser.</i> 1644 012028	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012028

Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>10.</u>	A. S. Wadatkar, Prashant B. Kharat , A. V. Turkhade, S. G. Onkar and P. S. Bodkhe	The D.C electrical properties of lithium ion conducting solid polymer electrolyte based on polyvinyl alcohol Journal of Physics: Conference Series, IOP Publishing A. S. Wadatkar <i>et al</i> 2020 <i>J. Phys.: Conf. Ser.</i> 1644 012037	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012037

Collaborative Publication of Dr. Prashant Kharat with Dr. S. G. Onkar

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>1.</u>	A. S. Wadatkar, Prashant B. Kharat, Ajay V. Ambhore , S. G. Onkar	Low-cost fabrication of Cu doped ZnO(Zn _{0.95} Cu _{0.05} O) film for enhanced gas sensing applications Journal of Physics: Conference Series, IOP Publishing <i>J. Phys.: Conf. Ser.</i> 1644 012059	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012059
<u>2.</u>	A. S. Wadatkar , Prashant B. Kharat, A. V. Turkhade, S. G. Onkar and P. S. Bodkhe	The D.C electrical properties of Lithium ion conducting solid polymer electrolyte based on polyvinyl alcohol Journal of Physics: Conference Series Volume: 1644, <i>J. Phys.: Conf. Ser.</i> 1644 012037	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012037
<u>3.</u>	A. S. Wadatkar , Prashant B. Kharat, Ajay V. Ambhore and S. G. Onkar	Low-cost Fabrication of Cu doped ZnO (Zn _{0.95} Cu _{0.05} O) Film for Enhanced Gas Sensing Applications Journal of Physics: Conference Series Volume: 1644,	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012059
<u>4.</u>	A S Wadatkar , S G Onkar, S B Nagdeote, and P B Kharat	Gas sensing behavior of ZnO thick film sensor towards H ₂ S, NH ₃ , LPG and CO ₂ . Journal of Physics: Conference Series Volume: 1644, <i>J. Phys.: Conf. Ser.</i> 1644 012060	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012060/meta
<u>5.</u>	S G Onkar, S B Nagdeote, A S Wadatkar, Prashant B. Kharat	Gas sensing behavior of ZnO thick film sensor towards H ₂ S, NH ₃ , LPG and CO ₂ Journal of Physics: Conference Series, IOP Publishing S G Onkar <i>et al</i> 2020 <i>J. Phys.: Conf. Ser.</i> 1644 012060	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012060

Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
6.	A. S. Wadtkar, Prashant B. Kharat , Ajay V. Ambhore, S. G. Onkar	Low-cost fabrication of Cu doped ZnO(Zn _{0.95} Cu _{0.05} O) film for enhanced gas sensing applications Journal of Physics: Conference Series, IOP Publishing A. S. Wadtkar <i>et al</i> 2020 <i>J. Phys.: Conf. Ser.</i> 1644 012059	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012059

Collaborative Publication of Dr. Prashant Kharat with Dr. Saurabh B. Somwanshi

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>1.</u>	B. H. Devmunde, Saurabh B. Somwanshi, Prashant B. Kharat , Madhukar B. Solunke	Rare earth ion (La ³⁺) doped BaTiO ₃ Perovskite nanoceramics for spintronic applications B. H. Devmunde, Saurabh B. Somwanshi, Prashant B. Kharat , Madhukar B. Solunke Journal of Physics: Conference Series, IOP Publishing B. H. Devmunde <i>et al</i> 2020 <i>J. Phys.: Conf. Ser.</i> 1644 012055	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012055
<u>2.</u>	Saurabh B. Somwanshi, Sandeep B. Somvanshi, Prashant B. Kharat	Visible light driven photocatalytic activity of TiO ₂ nanoparticles prepared via gel-combustion process Journal of Physics: Conference Series, IOP Publishing Saurabh B. Somwanshi <i>et al</i> 2020 <i>J. Phys.: Conf. Ser.</i> 1644 012042	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012042
<u>3.</u>	Saurabh B. Somwanshi, Sandeep B. Somvanshi, Prashant B. Kharat	Nanocatalyst: A brief review on synthesis to applications Journal of Physics: Conference Series, IOP Publishing Saurabh B. Somwanshi <i>et al</i> 2020 <i>J. Phys.: Conf. Ser.</i> 1644 012046	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012046
<u>4.</u>	Saurabh B. Somwanshi, Sandeep B. Somvanshi, Prashant B. Kharat	Multifunctional magnetic nano-platforms for advanced biomedical applications: A brief review Journal of Physics: Conference Series, IOP Publishing Prashant B. Kharat <i>et al</i> 2020 <i>J. Phys.: Conf. Ser.</i> 1644 012036	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012036

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc.)	Year of Publication	Link to Paper
<u>1.</u>	Prashant B. Kharat , Anant S. Wadatkar, Sandeep B. Somvanshi, Pankaj Koinkar, Harsharaj S. Jadhav, Prasanta Ghosh, Arti D. Rushi	Preface: International web conference on advanced material science and nanotechnology (NANOMAT-2020) Journal of Physics: Conference Series, IOP Publishing Prashant B. Kharat <i>et al</i> 2020 <i>J. Phys.: Conf. Ser.</i> 1644 011001	June 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/011001

IV. Collaborative activities for research, Faculty exchange, Student exchange/ internship in the year 2020 – 2021

Collaborative Publication of Dr. Suchita Khodke with Dr. Rekha C. Maggirwar

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>1.</u>	K. G. Wankhade, Dr. R. C. Maggirwar, S. P. Khodke	World Journal of Pharmaceutical and life sciences, wjpls, 2021, Vol. 7, Issue 4, 118 - 122	January 2021	https://www.wjpls.org/home/ahttp://www.ijstm.com/images/short_pdf/1619502411_GST_13.pdfarticle_abstract/2202
<u>2.</u>	Priti Dhakulkar, Suchita Khodke Rekha Maggirwar	International Journal of Science, Technology and Management, Volume No. 10, Special issue No.1, 69-75,	April 2021	http://www.ijstm.com/images/short_pdf/1619502411_GST_13.pdf
<u>3.</u>	Ragini Zade, Suchita Khodke , Rekha Maggirwar	International Journal of Recent Scientific Research, Vol.12, Issue (03) A, pp. 41207-41210	March 2021	http://recentscientific.com/studies-am-fungi-associated-tagetes-erecta-l-melghat-forest-maharashtra

Collaborative Publication of Dr. Gajendrasingh Pachlore with Dr. Mamta Chandrakar

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>1.</u>	Dr Gajendrasingh Pachlore* , Dr Mamta Chandrakar, Dr Pratibha Mahalle*	International Journal of Science Technology and Management, Vol No. 01, Queens of Era-2021	April 2021	http://www.ijstm.com/images/short_pdf/1619502144_GST_2.pdf

Collaborative Publication of Dr. Abhijit Bansod with Dr. Vijay Mete

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>1.</u>	V.G. Mete A.S. Bansod, P. B. Murade	International Journal of Mathematics Trends and Technology, Volume 66 Issue 11, 117-127, November 2020	November 2020	https://www.researchgate.net/publication/346314112_Accelerating_Anisotropic_Bianchi_Type-V_Model_with_Barotropic_Matter_and_Viscous_Dark_Energy_in_Lyra_Geometry

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>1.</u>	Sandeep B. Somvanshi, Supriya R. Patade, Deepali D. Andhare, Swapnil A. Jadhav, Mangesh V. Khedkar, Prashant B. Kharat , Pankaj P. Khirade, K. M. Jadhav	Hyperthermic evaluation of oleic acid coated nano-spinel magnesium ferrite: Enhancement via hydrophobic-to-hydrophilic surface transformation Journal of Alloys and Compounds, Elsevier Volume 835 , 15 September 2020, 155422	September 2020	https://www.sciencedirect.com/science/article/abs/pii/S0925838820317850
<u>2.</u>	Prashant B. Kharat , Sandeep B. Somvanshi, Pankaj P. Khirade, K. M. Jadhav	Induction heating analysis of surface-functionalized nanoscale CoFe ₂ O ₄ for magnetic fluid hyperthermia toward noninvasive cancer treatment ACS Omega, ACS Publications <i>ACS Omega</i> 2020, 5, 36, 23378–23384	September 2020	https://pubs.acs.org/doi/10.1021/acsomega.0c03332
<u>3.</u>	V. R. Bhagwat, Mangesh V. Khedkar, Govind Kulkarni, Prashant B. Kharat , K. M. Jadhav	Dextrose assisted sol-gel auto combustion synthesis and magnetic characterizations of cobalt ferrite nanoparticles. AIP Conference Proceedings, AIP Publishing AIP Conference Proceedings 2265 , 030085 (2020).	November 2020	https://aip.scitation.org/doi/abs/10.1063/5.0017310
<u>4.</u>	Supriya R. Patade, Deepali D. Andhare, Sandeep B. Somvanshi, Prashant B. Kharat , K. M. Jadhav	Effect of zinc doping on water-based manganese ferrite nanofluids for magnetic hyperthermia application AIP Conference Proceedings, AIP Publishing AIP Conference Proceedings 2265 , 030557 (2020).	November 2020	https://aip.scitation.org/doi/10.1063/5.0017051

Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

V. Collaborative activities for research, Faculty exchange, Student exchange/ internship in the year 2021 – 2022

Collaborative Publication of Dr. Gajendrasingh Pachlore with Dr. Mamta Chandrakar

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>1.</u>	Chandrakar M. R. Kalwade P. S. Pachlore G. S.	Advances in Zoology and Botany 10(1): 18-24, 2022	March 2022	https://www.hrpub.org/journals/article_info.php?aid=11908

Collaborative Publication of Dr. Abhijit Bansod with Dr. Prachi Agrawal

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>1.</u>	Prachi Agrawal, Abhijit Bansod, Umesh Takey3	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 10, Issue 6, June-2022	June 2022	http://www.ijaresm.com/uploaded_files/document_file/PrachiAgrawalxHxL.pdf

Collaborative Publication of Dr. Prashant Kharat with Dr. K. M. Jadhav

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>1.</u>	Sandeep B. Somvanshi, Prashant B. Kharat, K. M. Jadhav	Surface Functionalized Superparamagnetic Zn-Mg Ferrite Nanoparticles for Magnetic Hyperthermia Application Towards Noninvasive Cancer Treatment Macromolecular Symposia, Wiley Publishing 2100124	December 2021	https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100124

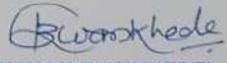
Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Collaborative Publication of Dr. Prashant Kharat with Dr. Sandeep B. Somvanshi

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>1.</u>	Saurabh B. Somvanshi, Sandeep B. Somvanshi, Prashant B. Kharat , Nanasheeb D. Thorat	Magnetically Retrievable Fe-doped TiO ₂ Nanoparticles for Photo-induced Toxic Dye Removal Applications Macromolecular Symposia, Wiley Publishing 2100112	December 2021	https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100112

Sr No	Authors	Paper Details (Title, Journal, issue, pages etc)	Year of Publication	Link to Paper
<u>2.</u>	Prashant B. Kharat , Sandeep B. Somvanshi, Saurabh B. Somvanshi, Anuja M. Mopari	Investigation of Super-Capacitive Properties of Nanocrystalline Copper-Zinc (Cu _{0.5} Zn _{0.5} Fe ₂ O ₄) Ferrite Nanoparticles Macromolecular Symposia, Wiley Publishing 2100162	December 2021	https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100162
<u>3.</u>	Sandeep B. Somvanshi, Prashant B. Kharat , K. M. Jadhav	Surface Functionalized Superparamagnetic Zn-Mg Ferrite Nanoparticles for Magnetic Hyperthermia Application Towards Noninvasive Cancer Treatment Macromolecular Symposia, Wiley Publishing 2100124	December 2021	https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100124
<u>4.</u>	Prashant B. Kharat , Sandeep B. Somvanshi, Saurabh B. Somvanshi, Anuja M. Mopari	Low-cost Fabrication of Zn-doped MnFe ₂ O ₄ (Mn _{0.5} Zn _{0.5} Fe ₂ O ₄) Film for H ₂ S Gas Sensing Applications Macromolecular Symposia, Wiley Publishing 2100147	December 2021	https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100147

Certificate of Recognition:

	 Shri Shivaji Education Society, Amravati's SHRI SHIVAJI SCIENCE COLLEGE Shivaji Nagar, Morshi Road, Amravati - 444 603 (M.S.) NAAC Accredited by Grade "A" with CGPA of 3.42 (IV Cycle) UGC Awarded Status of CPE (II Phase) Identified by DST, Government of India for FIST, SGBAU-Lead College. ISO 9001 : 2015 Certified College & nri-2022 Rank Band : 151 - 200	
Shri. Harshvardhan P. Deshmukh President	Dr. G.V. Korpe Principal	Dr. Panjabrao alias Bhausaheb Deshmukh
● E-mail : shivajiscamt.office@gmail.com ● Website : www.shivajiscamt.org ● Off. : 0721-2660855, 0721-2991778, Principal : 0721-2991785		
Ref. No. SC/ / /		Date : / /
<u>Collaborative Research Programme-Recognition</u>		
<p>It is the honour for me to declare the Collaborative Research Programme in association of faculty member/s of Department of Botany, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar affiliated to Sant Gadge Baba Amravati University, is continued from 2017 till the date 11/04/2023.</p>		
<p>It is to be indicated for recognition that the research collaboration is in the form of active research activities with faculties from Department of Botany, Shri Shivaji Science College, Amravati the field of Mycorrhizal Bio-Technology. The collaboration is intensively observed from year 2017.</p>		
<p>The collaboration is of following purpose</p>		
<ol style="list-style-type: none">1. Organizing training workshop for the students and faculties.2. Joint publication and research proposals.		
<p>I found the faculty members of Department of Botany, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, are very actively involved in the research activities. They are found very punctual in their work and we wish a great work ahead for future endeavours.</p>		
 (Dr. TUSHANT WANKHEDE) Professor & Head Department of Botany Shri Shivaji Science College, Amravati		

Establishment Year : 1962

Shiksha Mandal's
Bajaj College of Science, Wardha

(Formerly known as Jankidevi Bajaj College of Science, Wardha)
Autonomous College
A Linguistic Minority College
Reaccredited 'A' Institution (CGPA 3.21), NAAC (UGC), Bangalore
College with Potential for Excellence, UGC, New Delhi

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Civil Line
Wardha - 442 001 (Maharashtra)
Uni. College No. : 652
Jr. College No. : 07-01-003

Ref No. J.B.C./ /2019-2020

Date : 23/10/2019

Collaborative Research Programme-Recognition

It is a great honour for me to declare the **Collaborative Research Programme** in association with Dr Gajendrasingh Pachlore, Assistant Professor Department of Zoology of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar affiliated to Sant Gadge Baba Amravati University, is continued from 2019 till the date.

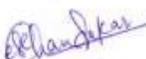
It is to be indicated for recognition that the research collaboration is in the form of active research work with faculty from Zoology Department in the field of *Molecular Biology/Toxicology/Biodiversity/Environment/Conservation etc.* The collaboration is intensively observed from few mentioned publication below.

Name of the Paper	Journal Name	Year of Publication
Guaging the online Learning preferences of students as a Stakeholder in higher education institute during the COVID-19 Lockdown scenario through online survey Page no - 331 to 335	SCHE-DC19-LPW 2020, Vol. 1, (ISBN: 978-93-5407-920-7)	2020
Survey to understand the impact of home-schooling on children's due to lock-down and role of Women as a Bridge between School and schooling	International Journal of Science & Technology and Management	2020
Solid Waste management by Amravati Municipality Corporation Before and during Global Pandemic Scenario: A case study to understand strategy and Policy for Solid waste management During Covid - 19 Pandemic	Journal of Research and Development : A multidisciplinary international level refereed and peer reviewed Journal	2021
Constraints Analysis of Kadaknath Meat preference over other poultry birds meat in the district of Amravati using Garret Ranking Method.	B.Adhar International Peer reviewed indexed research Journal	2021
Biodiversity of Moths in Hinganghat Taluka, Wardha, Maharashtra (India)	Advances in Zoology and Botany	2022

The collaboration is for following purpose

1. Organizing training workshop for the students and faculties.
2. Joint publication and research proposals.

I found the faculty member Dr Gajendrasingh Pachlore of Zoology Department of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar is very actively involved in the research Work. He is very punctual in his work.


Dr. M. R. Chandrakar
Head
Department of Zoology
Head / Incharge
Department Of Zoology
Bajaj College Of Science, Wardha

Dr. Babasaheb Ambedkar Marathwada University
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DEPARTMENT OF PHYSICS
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"NAAC Reaccredited with "A" Grade"

Date : 1st August 2022

Collaborative Research Programme Recognition

It is the honour for me to declare the Collaborative Research Programme in association of faculty member Dr. Prashant B. Kharat of the Physics Department of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar affiliated to Sant Gadge Baba Amravati University, is continued from 26th December 2019 to 31st July 2022.

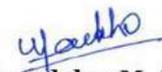
It is to be indicated for recognition that the research collaboration is in the form of active research activities with faculties from the Physics Department in the field of Magnetic Nanomaterials. The collaboration is intensively observed from below some of the research papers published jointly.

Sr. No.	Title of the Paper	Name of Journal, Publisher	Date of Publication
1	Induction heating analysis of surface-functionalized nanoscale CoFe ₂ O ₄ for magnetic fluid hyperthermia toward noninvasive cancer treatment	ACS Omega, ACS Publications	02/09/2020
2	Hyperthermic evaluation of oleic acid coated nano-spinel magnesium ferrite: Enhancement via hydrophobic-to-hydrophilic surface transformation	Journal of Alloys and Compounds, Elsevier	15/09/2020
3	Multifunctional nano-magnetic particles assisted viral RNA-extraction protocol for potential detection of COVID-19	Materials Research Innovations, Taylor & Francis	11/05/2020
4	Impact of crystallites on enhancement of bandgap of Mn _{1-x} Zn _x Fe ₂ O ₄ (1 ≥ x ≥ 0) nanospinels	Chemical Physics Letters, Elsevier	16/04/2020
5	Structural, infrared, magnetic and ferroelectric properties of Sr _{0.5} Ba _{0.5} Ti _{1-x} Fe _x O ₃ nanoceramics: Modifications via trivalent Fe ion doping	Physica B: Condensed Matter, Elsevier	15/03/2020

The collaboration is of following purpose

- Organizing training workshop for the students and faculties.
- Joint publication and research proposals.

I found the Dr. Prashant B. Kharat, faculty member of the Physics Department of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, are very actively involved in the research activities. He is are very punctual in their work.


Dr. Kamalakar M. Jadhav
 Professor
 Department of Physics
 Senior Professor and Head
 Dr. Babasaheb Ambedkar
 Marathwada University,
 Aurangabad.



Vidarbha Youth Welfare Society's
Bar. Ramrao Deshmukh Arts, Smt. Indiraji Kapadiya Commerce
Nyayamutri Krushnarao Deshmukh Science College
Badnera-Amravati (M.S.) Pin-444701
(Accredited B+ Grade by NAAC)

Ph.No.2681232,2580232 Fax:0721-26681232,Email-edik_kd@rediffmail.com,Website-www.rdikandkd.org

Date: 01/10/2021

Collaborative Research Programme-Recognition

It is the honour for us to declare the **Collaborative Research Programme** in association of faculty members of **Mathematics Department** of **Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar** affiliated to Sant Gadge Baba Amravati University, has been continued since 2020.

It is to be indicated for recognition that the research collaboration is in the form of active research activities with faculties from Mathematics Department in the field of **Cosmology/General Theory of Relativity/Modified Theories of Relativity**. The collaboration is intensively observed from Research Papers.

The collaboration is of following purposes

1. **Organizing training workshop for the students and faculties.**
2. **Joint publication and research proposals.**

I found the faculty members of Mathematics Department of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, are very actively involved in the research activities. They are very punctual in their work.

Dr. Vijay Mete
Head, Department of Mathematics
R.D.I.K. College, Amravati.

Dr. V. G. Mete
Professor & Head
Department of Mathematics,
R.D.I.K. & K.D. College, Badnera-Amravati

Estd: 1972

॥ ज्ञानम् विज्ञान सहितम् ॥

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Dr. D.S. Dhote
Principal

Shri Brijlal Biyani Shiksha Samiti's

Brijlal Biyani Science College

Biyani Educational Campus, AMRAVATI - 444 605

[Affiliated to Sant Gadge Baba Amravati University, Amravati.]
[Re-accredited by NAAC Bangalore at B⁺⁺ Level]

Website: www.bbscamt.com
Email ID: biyani_college@yahoo.com, sbbsm125@sgbau.ac.in

Date: 04/04/2022

Collaborative Research Programme-Recognition

It is the honour for us to declare the **Collaborative Research Programme** in association of faculty members of **Mathematics Department** of **Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar** affiliated to Sant Gadge Baba Amravati University, has been continued since 2020.

It is to be indicated for recognition that the research collaboration is in the form of active research activities with faculties from Mathematics Department in the field of **Cosmology/General Theory of Relativity/Modified Theories of Relativity**. The collaboration is intensively observed from Research Papers.

The collaboration is of following purposes

1. Organizing training workshop for the students and faculties.
2. Joint publication and research proposals.

I found the faculty members of Mathematics Department of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, are very actively involved in the research activities. They are very punctual in their work.

Dr. Prachi Agrawal
Head, Department of Mathematics
Brijlal Biyani Science College, Amravati.

Dr. P. R. Agrawal
Asstt. Professor & Head
Dept. of Mathematics
Brijlal Biyani Science College