

# SHIKSHAN PRASARAK MANDAL NABIRA MAHAVIDYALAYA, KATOL (MS)

Affiliated with Rashtrasanta Tukdoji Maharaj

**Nagpur University, Nagpur (MS)** 

### Website:

https://www.nabiramahavidyalayakatol.com/

## 2.3.1.

Student Centric Method such as experimental learning participative learning and problem solving methodologies are use for enhancing learning experiences

# NABIRA MAHAVIDYALAYA, KATOL





Phone: 07112 - 222004 / 222164 Fax: 07112-222004

Email: nmv.college@rediffmail.com Website: www.nabiramahavidyalayakatol.com

Ref. No. : Date : 26/12/2022

## DECLARATION

This is to declare that the information, reports, true copies and numerical data etc. furnished in this file as supporting documents is verified by IQAC and found correct.

Hence this certificate.

Dr. Punit Raut

Co-Ordinator IQAC, NMV Katol Dr. S. K. Navin

Principal
Nabira Mahavidyalaya,
Katol

## NABIRA MAHAVIDYALAYA, KATOL

### DEPARTMENT OF PHYSICS

NAME OF THE ACTIVITY: STUDENTS SEMINAR

Date 15th Dec. 2021 CLASS: B.Sc II (Semester III) (Session: 2021-2022)

Sr. No	Name of the Student	Topic of the Seminar	Signature of the Student
1	AKANKSHA BANDUJI PATIL		
2	ANKITA SHANKAR MADAVI		
3	ASMITA MAROTRAO KHANDAIT		
4	BHAGYASHRI RAMESH DAWARE	S Pagyashri R. Da	me BRDARE
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6	DIKSHITA VILASRAO LOHI	Breastes Law	@lati
7	DIVYA DNYANESHWAR MUSALE	Diatonic Musical scale	
8	DIVYA NARENDRA BHINGARE	Limits of Human Audibilit	
9	DIVYANI DIPAK HATMODE	Newton's Ring	Dlatmade
10	ESHA MANOJKUMAR WARKADE	7101015	
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14	JANHAVI SUNIL AKHAND	Intensity and Loudness of So	2 Pathoint
15	JANHVI RAMCHANDRA KADU	Loudness of Si	DUH LANGE
16	KHUSHALI MANOJKUMAR WAGH	Recording & reprod Mag	· tage Livest
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27	PAYAL DNYANESHWAR CHARPE	Brenstys Jaw	Charle
28	PAYAL VILAS GAJBHIYE	Moving Coil Loudspea	ky
29	POONAM DASHRATH NISHANE	Construction and de	perer Everybhiye
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33	PRATIKSHA GUNVANTA MOHOD		
34	RADHA RAJENDRA CHANDGHODE	Scattering of light	(R)handghool ?
35	RHUTUJA RAMKRUSHNA KINKAR		
36	RUPALI KISNAJI BORJE	Scattering of Eight	pkous
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14th Dec. 2021

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56	DEVENDRA NARESH GHAGARE		
57	HARSH SURESH PURI		
58	KARTIK PRAKASH CHAUDHARI		
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63	NIKHIL BHADULAL THAKUR		
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76	YASH NARAYAN MANGAL		
77	YASH SUNIL KALBANDE		
78	SAKSHI RAVINDRA KAKDE		
79	SAGAR KISNAJI NEHARE		
		J. Sharma	

Head, Physics Deptt.
Nahi u Mahavidyalaya Katal







### Shikshan Prasark Mandal's

## Nabira Mahavidyalaya, Katol Department of Chemistry

Date-05 /04/2022

All Student are hereby informed that we are organize a workshop on Hybridization Model Making in Organic Chemistry on 06 April 2022. All are requested to attend the programme.

Note: Bring your own materials for preparation of model making for e.g., Toot Sticks, Mould Clay, Plastic Balls etc.

Coordinators:

1. Mr. K. A. More

2. Mr. N. G. Jadhao (Washaco

Head Department of Chemistry

Dr. A. D. Borkar

Head, Chemistry Deptt

Nahira Mahavidyelaya, Katol







#### Shikshan Prasarak Mandal's

#### NABIRA MAHAVIDYALAYA, KATOL

District Nagpur (M.H.), Pin: 441302
Graduation & Post Graduation in Arts, Commerce, Science & Management

#### **DEPARTMENT OF CHEMISTRY**

Session: 2021-2022

**Title:** A workshop on Hybridization Model Making in Organic Chemistry.

Date: 6<sup>th</sup> April 2022

**Number of beneficiaries: 78** 

**Objective of the program:** 

To aware about the basic structure of molecule as well as their structural properties in a practical way.

#### **Description of the program:**

Department of Chemistry organised a workshop on Hybridization Model making in organic chemistry for students of B.Sc. Sem II. Students participated with great enthusiasm. Prof. Kailas More guided the concept of basic structure of molecules as well as their structural properties in a practical way.

For this workshop Dr. A. B. Sharma (Faculty in-charge Science) was present as the chief guest. The programme was shared by Prof. Dr. A. D. Borkar Head Department of Chemistry. The programme hosted by Prof. K. A. More and vote of thanks proposed by Prof. N.G. Jadhao. For the success of the workshop all the teaching and non-teaching staff of the department works hard. Total 78 students were participated in workshop.

### Outcome of the program:

Students were learning how to make models with confidence and creativity, along with the model making tips and techniques.

## List of the students / attendees:

Sr. No.	Date and Time	Email	Name of Student
1.	4/6/2022 20:46:37	monalidhotarkar222@gmail.com	Monali Dhotarkar
2.	4/6/2022 20:47:03	achalwatane@gmail.com	Achal Sanjay watane
3.	4/6/2022 20:47:21	shrutibansod44@gmail.com	Shruti rajendra bansod
4.	4/6/2022 20:48:05	mahimagajbe@gmail.com	Mahima Vinod Gajbe
5.	4/6/2022 20:48:05	bhumikalanje15@gmail.com	Bhumika Pramod Lanjewar
6.	4/6/2022 20:48:17	suruchibadode@gmail.com	Suruchi rajendra badode
7.	4/6/2022 20:48:42	prabhakardhote33@gmail.com	Sakshi prabhakar dhote
8.	4/6/2022 20:48:53	pawanjunghare2020@gmail.com	Pawan Vishnuji Junghare
9.	4/6/2022 20:49:21	harshaldhawle16@gmail.com	Ruchika Sunilraoji Dhawale
10.	4/6/2022 20:49:34	Shwetajaipurkar635@gmail.com	Shweta purushottam jaipurkar
11.	4/6/2022 20:50:24	rahulbalpande887@gmail.com	Rahul sahebrao balpande
12.	4/6/2022 20:52:24	akshaymahant899@gmail.com	Akshay Suresh Mahant
13.	4/6/2022 20:52:45	wangalbhagyashri@gmail.com	Bhagyashri Anil Wangal
14.	4/6/2022 20:53:31	sakshinandghaye123@gmail.com	Sakshi Ishwar Nandaghaye
15.	4/6/2022 20:53:50	palakupadhyay2003@gmail.com	Palak. Deepak. Upadhyay

4/6/2022 20:57:00	kalbandemayur23@gmail.com	Mayur Praful Kalbande
4/6/2022 20:58:08	jaypotpite2003@gmail.com	Jay Potpite
4/6/2022 20:58:44	anturkarvishakha604@gmail.com	Chaitali Anil Anturkar
4/6/2022 20:59:06	janvikakde27@gmail.com	Janvi .s. kakde
4/6/2022 20:59:11	goreshraddha2709@gmail.com	Shraddha Gopal Gore
4/6/2022 21:01:02	gayatrimahure077@gmail.com	Gayatri moreshwar mahure
4/6/2022 21:03:42	ankitakhuspare@gmail.com	Ankita sudhakar khuspare
4/6/2022 21:03:51	vedantdhage6@gmail.com	Vedant dhage
4/6/2022 21:03:56	rakshakothe@gmail.com	Raksha Shriram kothe
4/6/2022 21:03:57	nehaperodiye15@gmail.com	Neha Raju Perodiye
4/6/2022 21:04:20	dhanshreehirudkar07@gmail.com	Dhanshree Bhimrao Hirudkar
4/6/2022 21:05:37	avantikakharabe852@gmail.com	Avantika Avinash Kharabe
4/6/2022 21:09:32	khushigoswami204@gmail.com	Khushi bhupendragiri goswami
4/6/2022 21:10:05	ektakharwade20@gmail.com	Ekta laxmikant kharwade
4/6/2022 21:12:12	bhawnadharammali@gmail.com	Bhawna dharammali
4/6/2022 21:14:17	sakshikale9201@gmail.com	Sakshi shriram kale
4/6/2022 21:16:39	riyabangare42@gmail.com	Riya Dilip Bangare
4/6/2022 21:16:51	manusolanki792002@gmaile.com	Manisha hariram solanki
4/6/2022 21:23:25	vaishanavitikhe1203@gmail.com	Vaishnavi Moreshwar Tikhe
4/6/2022 21:23:37	pranjalikhandate8@gmail.com	Pranjali Sanjay khandate
4/6/2022 21:25:11	akankshaasole2@gmail.com	Akanksha Revanth Asole
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ka satimeshram
nandghaye
ashri D.Raut
Yograj Zelgonde
hagwat kasare
a Narendra Giradkar
avi jivanlal dhote
al Anil Deshmukh

58.	4/7/2022 7:50:18	shardaandel@gmail.com	Sharda Ashok Andel
59.	4/7/2022 7:54:57	dambhareamisha@gmail.com	Amisha Amrutji Dambhare
60.	4/7/2022 8:37:00	shwetamendhe2004@gmail.com	Shweta Harishchandra mendhe
61.	4/7/2022 9:01:47	saniasyed719@gmail.com	Sania Sharfuddin Syed
62.	4/7/2022 9:23:27	rupeshbhoyar22@gmail.com	Rupesh Vasantrao Bhoyar
63.	4/7/2022 10:02:37	minakshigawande883@gmail.com	Minakshi Shankar Gawande
64.	4/7/2022 10:02:44	jagdishrewatkar269@gmail.com	Jagdish Lalit rewatkar
65.	4/7/2022 10:17:21	nehasabale31@gmail.com	Neha Harihar Sabale
66.	4/7/2022 10:48:16	choudharibhagyashri7@gmail.com	Bhagyashri sanjay choudhari
67.	4/7/2022 10:53:21	mahimachaudhari373@gamail.com	Mahima Gunavantroaji choudhari
68.	4/7/2022 11:04:52	Mungbhatemonika@gmail.com	Monika Naresh Mungbhate
69.	4/7/2022 11:05:41	mahalleynikita@gmail.com	Nikita Ratnakar Mahalley
70.	4/7/2022 13:58:29	himanshimankar777@gmail.com	Himanshi milind mankar
71.	4/7/2022 14:17:04	mrunalidharammali@gmail.com	Mrinali dharammali
72.	4/7/2022 14:39:01	sejalwahane82@gmail.com	Sejal kailas Wahane
73.	4/7/2022 16:11:40	janhvitatte@gmail.com	Janhvi Rajesh Tatte
74.	4/7/2022 21:07:06	mayurithombre5@gmail.com	Mayuri Keshav Thombre
75.	4/8/2022 7:45:53	utkarshapnachbhai2003@gmail.com	Utkarsha Panchbhai
76.	4/8/2022 9:55:48	Wankhedenisha536@gmail.com	Swati maroti wankhede
77.	4/8/2022 23:22:40	choudharimahima447@gmail.com	Mahima gunvantravji choudhari
78.	4/9/2022 14:15:41	kajalthombare1122@gmail.com	Kajal mukindarao thombare

#### Sample of the certificate:



### Geo-tagged photographs / Event wise pictures with caption.

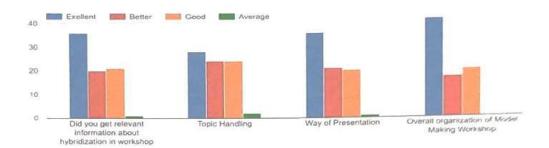








#### Feedback about hybridization Model Making Workshop



vahira Mahavidyalaya, Kato

## PG Department of Chemistry Nabira Mahavidyalaya Katol

Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

 Experiential learning and participative learning on thin layer chromatography





## PG Department of Chemistry Nabira Mahavidyalaya Katol

## **2.** Role Play in Chemistry:



## **Projects in Mathematics**

## **Notices**

Pre	pare and Submit int	B.Sc. Sem-VI: MATHEMATICS-PY sormation of the Mathematicians a	
the	list given below. In	itermation must include: Name of the	mathematician Photo,
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S.N.	nous for, etc.  Name of the Mathematic	ian Name of Student	Format for submission:
			Paper Size: Legal
1.	Isaac Newton		Orientation: Landscape Portrait
2.	Archimedes		
3.		Mr. A.A. Kathe	Photo: Inthe upper half of the paper
4.	Leonhard Euler		of the paper
5.	Bernhard Riemann	Ky. A. R. Khante	Name: Below the Photo
6.	Henri Poincare	Ku. A.K. Gakhare Ku. A.N. Durge	Name size: To cover width
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13.	Évariste Galois	. Ku. D.R. Dehankar	
-14.	John von Neumann	Ky. G.D. Nimburkar	. Name of Student
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• 22	Carl G. I. Jacobi	L. G. Gawanae	
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24	Anguetin-Louis Cauchy	P. S. Gotmare	Marie
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52. Joseph Liouville 53. Eudoxus of Cnidus 54. F. Gotthold Eisenstein 55. Jacob Bernoulli 56. Stefan Banach 57. Jacques Hadamard 58. Giuseppe Peano 59. Panini of Shalatula 60. André Weil 61. Jean-Pierre Serre 62. Jakob Steiner 63. Marius Sophus Lie 64. F. L. Gottlob Frege 65. François Viète 66. Christiaan Huygens 67. M. E. Camille Jordan 68. Joseph Fourier 69. Bonaventura Cavalieri 69. Bonaventura Cavalieri 69. P. O. Gratmare 60. P. C. Wankehe de 60. Grassmann 60. Grassmann 60. R. P.
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*74. Aristotle
75. Galileo Galilei
76. Michael F. Atiyah. S. P. Kharpwiya.
77. Atle Selberg
92 Al- M To-lea
82. Alan M. Turing Y. D. Dhok 83. Jean-Victor Poncelet Y. O. Yeole
83. Jean-Victor Poncelet
84. John E. Littlewood.
85. Shiing-Shen Chern
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88. Johann Bernoulli
89. Ernst E. Kummer
90. Johann H. Lambert
91. George Polya
92. Felix Hausdorff
93. George D. Birkhoff
94. Pafnuti Chebyshev
95. Adrien M. Legendre
96. John F. Nash, Jr
97. Siméon-Denis Poisson
98. John Wallis
99. Omar al-Khayyám
100. Thales of Miletus

### NOTICE

B. Sc. Sem-4/ Mathematics Project (2021-22)

Prepare and submit information of the Mathematicians assigned to you as per the list given below. Information must include: Name of the Mathematician, Photo, Birth, Death, Education, Influenced to, Influenced by, Contribution, Historical Importance, Famous for, etc.

Last date for submission: 22/04/2022

Format for submission: Paper size- Legal; Font type- Times New Roman; Orientation-Portrait; Photo of the Mathematician-Name of the Mathematician-below the photo; Font size for Name- as to cover width of the In the upper half of the paper; photo; Font size for all the above stated information- As to be fitted in the remaining half space below the photo; Name of student & class- To the right corner at the bottom of the paper.

S.N.	Name of the Mathematician	Name of student
1.	Joseph-Louis Lagrange	A.B. Patil
2.	Gottfried W. Leibniz	A.S. Sad pute
3.	Pierre de Fermat	A.S. Madavi
4.	Ėvariste Galois	C.B. Adle
5.		D. N. Ghagare
6.		D. V. Lati
7.		D. D. Mysale
8.	William R. Hamilton	D. N. Bhingase
9.	Apollonius of Perga	G. R. Rithe
10.	Carl Ludwig Siegel	H.S. Bhose
11.	Julius Plücker	I.A. Shrikhande
12.	Jacob Bernoulli	J.S. Akhand
13.	F. L. Gottlob Frege	J.R. Kadu
14.	Christiaan Huygens	K.P. Chaudhasi
15.	Hermann G. Grassmann	K.M. Wagh
16.	Albert Einstein	K.K. Somkuwaa
17.	Aristotle	
18.		M.M. Pande
19.		M.S. Kadwe
20.		M.T. Bobhate
21.		N.S. Shirpurkar
22.	James J. Sylvester	N. A. Bhise
23.		P.D. Charpe
24.		P. V. Gajbhiye
25.		And the second s
26.		
27.	George Pólya	P. V. Satve
28.	Felix Hausdorff	R.R. Chandghode
29.		R.V. Charde
30.	Pafnuti Chebyshev	R.K. Bosje
31.	Adrien M. Legendre	R. L. Lakhe R.M. Mahato
32.	John F. Nash, Jr	R.N. Nerkar
33.	Simeon-Denis Poisson	S. K. Nehare
34.	Owner of Khour for	S. R. Bagde
35.		0 0 14-17
36.	Thales of Miletus	and o

### B. Sc. Sem- 4: MATHEMATICS

## PROJECT (2021-22)

Prepase and Submit information about the mathematical topics assigned to you as per the list given below. Information must include: Topic Name, meaning, concepts, Historical background, inventors/contributors names, applications/Importance/user of the topics, etc.

Format for Submission: Whole information should be written typed

in one page. Paper Size: Legal; Font type: Times New Roman;

Fout size: as to be fitted in one page.

Name of student & class: To the sight cosnes at the bottom of the paper

Last Date for Submission: 23/04/2022

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1	.N.	Topic	Name of Student	5.N.	Topic	Name of Student
t	1	Relations & Functions	A.R. Kumeriya	25	Number Theory	N.P. Pathade
t	2	Linear Programming		26	Probability Theory	M. P. Waghe
1	3	Vector Algebra	P.D. Nishane	27	Multiple Integrals	M.B. Dougre
1	4	Matrices	S.B. Musale	28	Partial Differentiation	N.P. Tarte
1	5	Trigonometry	S.N. Sheikh	29	Laplace Transforms	N.B. Thakuz
Ĭ	6	Determinants	s.s. Dongare	30	Calculus of Variation	P.B. Bhuyas
	7	Limit & Continuity	I AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 2 IN C	31	Differential Geometry	MATERIAL PROPERTY AND ADDRESS OF THE PARTY AND
ľ	8	Differentiation	T. V. Channe	32	Fourier Series	P. G. Mohod
	9	Integration	V. V. Bawankar	33	Finite Differences	R.S. Biswas
	10	Differential Calculu	V.D. Doijod	34	Numerical Ditterentiation	N S.A. Botre
	11	Integral Calculus	V-D-Raut	35.	Partial Differential pus	S.R. Bhise
	12	100	Y.N. Mangal	36	Vector Algebra	S.S. Murodiye
	13	Vector Calculus	Y.S. Kalbande	37	Numerical Integration	S.K. Mandav gade
ď,	14	The state of the s	A.N. Ghatole	38	Integral Transforms	S.W. Deulkar
	15	11.1 - 11		39	Set Theory	S.S. Dakhare
	16	01 10 11		40	Combinatorics	T. R. Tule
	17	Analytical Solid Geom		41	Maxima & Minima	
	19		D.D. Hatmode	42	. Statics	V.M. Banafar
	19	Infinite Series	H.P. Kale	43	Dynamics	V.S. Mankar
	20	Taylor's Series	L.U. Thakse	44	Group Theory	V.P. Jagtap
	21	Theory of Equation	s L.J. Kathane			
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	2		4	-	1	CHOD, Mari
		VERMU!	N. P. Pathade			

## M. Sc. Sem-4: Mathematics

## PROJECT (2021-22)

Prepare and Submit information about the Mathematical topics assigned to you as per the list given below.

Information must include: Topic Name, meanings, concepts,

Historical background, inventors/

Contributors names, applications/

Importance/Uses of the topics, etc.

Format for Submission: Whole Information should be typed in one page.

Paper Size: Legal; Font type: Times New Roman;

Font Size: as to be fitted in one page.

Name of Student & Class: To the sight corner at

the bottom of the paper.

Last Date for Submission: 23/04/2022

S.N.	Topic Name	Name of Student	S.N.	Topic Name	Name of Student
1	Vector Calculus	A.R. Maski	15	Dynamical Systems	M.D. Raut
2	Vector Spaces	A.R. Koche	16	Classical Mechanics	P.V. Khune
3	Group Theory	A.P. Barde	17	Finite Differences	P.A. Vairagade
4	Metric Spaces	A.C. Munne	18	Fluid Dynamics	R.R. Charde
5	Topology,	A-D. Thakur	19	Complex Analysis	R.V. Dhavade
6	Numerical Analysi	C. Suhagpuse	20	Differential Equations	S.S. Sawarkaz
7	Linear Programmin	C.D. Goswami	21	Maxima & Minima	T. P. Sonare
8	General Theory of Relativity		22	Fousier Sesies	T. Harne
9	Cosmology	H.P. Warhade	23	Trigonometry	U.D. Kothe
10	Integral Transform	01 11-1		Logasithms	V.N. Jichkar
1)	Numerical Differentiation		25	Differential Calculus	V.A. Kumbhare
12	Numerical Integration	K.D. Madankar	26	Integral Calculus	B. Bhelkar
13	Tensor Analysis	K.S. Kumesiya		operations Research	K. Deshmukh
14	Matrices	L.M. Mohatkas	1 1/10	A N	K. Deshmukh







#### Shikshan Prasarak Mandal's

#### NABIRA MAHAVIDYALAYA, KATOL

District Nagpur (M.H.), Pin: 441302
Graduation & Post Graduation in Arts, Commerce, Science & Management

#### **Department of Mathematics**

Session: 2021-22

**Activity: Projects in Mathematics** 

1. Information of top 100 Mathematicians

2. Applications of some mathematical topics

Date of Submission: 20/04/2021 to 23/04/2021

Number of beneficiaries: 161

(Project 1: B.Sc. III-75, B.Sc. II-31; Project 2: B.Sc. II-30, M.Sc. II-25)

**Objective of the Activity:** The Maths Project assists students in developing their critical thinking talents and reasoning skills. This activity help students in developing interest towards the subject by knowing about Mathematicians and their contribution, and exploration of applications of various Mathematical topics.

#### **Description of the Activity:**

The activity of project writing had been divided in two parts:

- (1) Information of top 100 Mathematicians
- (2) Applications of some mathematical topics

As per the notice circulated among the students, in the first project top 100 Mathematicians were assigned to 119 students (83 students of B.Sc. final year and 36 students of B.Sc. II year), and the students were informed to prepare and submit information about the Mathematicians assigned to them latest by 23/04/2021. The information about mathematicians include: name and photo of the Mathematician, Education, Birth, Death, persons influenced by and influenced to, contribution, historical importance, famous for, etc. In the second project, total 56 mathematical topics were assigned to 71 students (44 students of B.Sc. II year and 27 students of M.Sc. II year), and the students were informed to prepare and submit information about the Mathematical topics assigned to them latest by 23/04/2021. The information

about mathematical topics include: Name of the topic, meanings, concepts, historical background, inventors/ contributors' names, applications/ importance, etc.

106 students (75 of B.Sc. final year and 31 of B.Sc. II year), and 55 students (30 students of B.Sc. II year and 25 students of M.Sc. II year) completed satisfactorily and submitted the project 1 and project 2 respectively.

Head

Dept. of Mathematics

### Samples of submitted projects

#### **METRIC SPACES**

Metric spaces were first introduced by Maurice Frechet in 1906. Topological spaces, of which metric spaces are a special instance, were first introduced by Felix Haussdorf in 1914; their current formulation is a slight generalization from 1922 by Kazimierz Kuratowski.

A metric space is a non-empty set equipped with structure determined by a well-defined notion of distance. The term 'metric' is derived from the word metor (measure).

A metric space is a pair (X, d), where X is a non-empty set, and  $d: X \times X \to [0, \infty)$  is a distance function, or a metric. The metric d assigns to every pair of points  $x, y, z \in X$  a non-negative number, d(x, y), which we call the distance between x and y. A metric d must satisfy three defining properties:

- **1.** Non-negativity: for every  $x, y \in \mathbb{X}$ , d(x, y) > 0 if  $x \neq y$ , and d(x, x) = 0
- **2.** Symmetry: for every  $x, y \in \mathbb{X}$ , d(x, y) = d(y, x).
- 3. Triangle inequality:  $d(x,y) \le d(x,z) + d(z,y)$

The metric d on X is also called a distance function on X

#### Examples

1. Let  $\mathbb{R}$  be the set of all real numbers and  $u: \mathbb{R} \times \mathbb{R} \to \mathbb{R}$  be a function defined as  $u(x, y) = |x - y| \ \forall \ x, y \in \mathbb{R}$ , then

```
i) |x - y| > 0 if x - y \ne 0, i.e. |x - y| > 0 if x \ne y \Rightarrow d(x, y) > 0 if x \ne y

Also |x - y| = 0 if x - y = 0 i.e. |x - y| = 0 if x = y \Rightarrow d(x, y) = 0 if x = y

ii) |x - y| = |-(y - x)| = |y - x| \Rightarrow d(x, y) = d(y, x)

iii) |x - y| = |x - z + z - y| \le |x - z| + |z - y| (\because |a + b| \le |a| + |b|)

\Rightarrow d(x, y) \le d(x, z) + d(z, y)
```

Thus the function u defined by  $d(x,y) = |x-y| \ \forall \ x,y \in R$  satisfies all properties of a metric and hence it is a metric on R. Called as **usual metric** or **standard metric** or **Euclidean metric** on R

2. Let X be a non empty set. for any  $x, y \in X$ , define

$$d(x,y) = \begin{cases} 1 & (if \ x \neq y) \\ 0 & (if \ x = y) \end{cases}$$
 is a metric on X called as **discrete metric**.

#### Types of metric spaces:

- 1. Complete metric space: A metric space X is said to be complete if every Cauchy sequence is converges in X
- **2.** Bounded metric space: A metric space X is called bounded if there exist some number r, such that  $d(x,y) \le r$  for all  $x,y \in X$
- **3.** Compact metric space: A metric space *X* is compact if every sequence in *X* has a subsequence that converges to a point in *X*

#### Application of metric in real life

The concept of metric is not restricted to the subsets of R, it can be applied in any set. Using this we can find the distance between any two points in any given set. For that we shall first of all define a function on that set having the three metric properties. Once we define a function having such properties, we can use it in any place where the distance between two points is required.

Suppose a person wants to go from New Delhi to Mumbai. There are two possible routes from New Delhi to Mumbai. Depending on the situation, he may travel by air or by road. If he travel by road, then the distance travel is 1402 km and time taken is 21h 31min and if he travel by air then the time taken is 1h 55min. So here Time and Distance represents two different modes of measurements.

### **INTEGRAL EQUATIONS**

An integral in mathematics is either a numerical value equal to the area under the graph of a function for some interval or a new function. The derivative of which is the original function (indefinite integral). Integral equation in mathematics equation in which the unknown function to be found lies within an integral sign an example of an integral equation is in which (x) is known if  $\{x\} = \{-\}$  for all x one solution.

<u>Concept:</u> In mathematics integral equations are equations in which an unknown function appears under an integral sign There is a dose connection between differential and integral equations and some problems may be formulated either way See for example Greens function Fredholm theory and Maxwells equations.

<u>Historical background:</u> IN 1823 Abel proposed a generalization of the tautochrone problem whose solution involved the solution of an integral equation which has more recently been designated as an integral equation of the first kind and in 1837 Liouville showed that the determination of a particular solution of a linear differential equation.

<u>Inventers:</u> By an integral equation la term first suggested by du Bois-Reymond in 1888] is understood an equation in which the unknown function occurs under one or more signs of definite integration although methods of calculating areas and volumes dated from ancient Greek mathematics the principles of integration were formulated independently by Isaac Newton and Gottfried Wilhelm Leibniz in the late 1/ th century who thought of the area under a curve as an infinite sum of rectangles of infinitesimal width.

#### **Contributors Name:**

- Kendall & Atkinson The Numerical Solution of Integral Equations of the Second Kind Cambridge Monographs on applied and Computational Mathematics 997.
- Harry Bateman (1910) History and Present State of the Theory f Integral equations Report of the British association.

<u>Applications:</u> Integral equations are important in many applications Problems in which integral equations are encountered include radiative transfer and the oscillation of a string membrane or axle Oscillation problems may also be solved as differential equations where f is a known function.

<u>Importance</u>: Why is it that differential equations are so much more popular than integral ones? Or am just ignorant of the matter and there actually are many examples of integral equations in applied mathematics t also seems that when an integral equation appears one immediately wants to reduce it to a differential equation So examples where this is not possible or not done for different reasons would be welcome.

**<u>Uses:</u>** Integral equations arise in two principal ways

- (i) In the course of solving differential problems by inverting differential operators
- (ii) In describing phenomena by models which require summations (integrations) over space or me or both typical examples of both types are described.

Name: Bhagyshree Daware

Class: BSc Sem IV



### **Carl Friedrich Gauss**

Born: Johann Carl Friedrich Gauss (30 April 1777) Brunswick, Germany

Died: 23 February 1855 (Aged 77) Gottingen, Germany

**Education**: University of Helmstedt (1799), University of Gottingen (1795-1798)

Technical University of Braunschwig (1792 – 1795)

Fields: Mathematics And Sciences

Known For: Algebra And Linear Algebra

• Gaussian elimination, also known as "row reducation" or "Gaussian method"

• Gauss - Jordan Elimination

Influensces: Leonhard Euler

Influenced: Ferdinand Minding

Awards: Lalande Prize (1809), Copley Medal (1838)

Contribution: Contributions To Number Theory, Geometry, Probability Theroy, Geodesy, Planetary, Astronomy, The

Theory of Function.

Doctoral Advisor : Johann Fredrich Pfaff

Other Academic Advisors: Johann Christian Martin Bartels

**Doctoral Students**: Johann Listing, Christian Ludwig Gerling, Richard Dedekind, Bernhard Riemann, Christian Peters, Moritz Cantor, Wilhelm Klinkerfues.

Other Notable Students: Johann Encke, Christoph Gudermann, Peter Gustav Lejeune Dirichlet, Gotthold Eisenstein, Carl Wolfgang Benjamin Goldschmidt, Gustav Kirchhoff, Ernst Kummer, August Ferdinand Mobius, L.C.Schnurlein, Julius Weisbach, Sophie Germain.

#### **Historical Importance**

The year 1796 was productive for both Gauss and number theory. He discovered a construction of the heptadecagon on 30 March. He further advanced <u>modular arithmetic</u>, greatly simplifying manipulations in number theory. On 8 April he became the first to prove the <u>quadratic reciprocity</u> law. This remarkably general law allows mathematicians to determine the solvability of any quadratic equation in modular arithmetic. The <u>prime number theorem</u>, conjectured on 31 May, gives a good understanding of how the <u>prime numbers</u> are distributed among the integers.

**Famous For**: Gauses is Generally Regarded As one of The Gretest Mathematicians of all Time for his Contribution to Number Theory. A German Mathematician And Physicist who Made significant Contributions To Many Fields In Mathematics And Sciences. The Gretest Mathematician Since Antiquity.

Gauss's Presumed Method Was To realize That Pairwise Addition of Terms From Opposite ends of the list yielded identical intermediate sums: 1+100=101, 2+99=101, 3+98=101, and so on, for a total sum of  $50 \times 101=5050$ .



## **Bernhard Riemann**

Full Name: Georg Friedrich Bernhard Riemann.

Born: 17 September 1826, Breselenz, Kingdom of Hanover (Now-Germany).

Died: 20 July 1866, Selasca, Kingdom of Italy.

**Education**: University of Gottingen (1846-1847), University of Berlin (1847-1849); In 1849 he returned to Gottingen and his ph.D Supervised by Gauss, was submitted in 1851.

**Main Interest**: Mathematics and Physics.

**Doctoral advisor**: Carl Friedrich Gauss.

Other academic advisors: Gotthold Eisentein, Moritz .A. Stern, Carl W.B.Goldschmidt.

Notable Students: Hermann Hankel, Carl Anton Bjerknes, Eduard Selling, Gustav Roch.

**Influenced by**: Carl Friedrich Gauss, Peter Gustav Lejeune, Gottfried Wilhelm Leibniz, Simeon Denis Poisson, William Kingdom Clifford.

Influenced to: J.P.G. Dirichlet.

**Notable Ideas**: General Theory of Relativity, Complex Analysis, Number Theory, Differential Geometry, Complex Function Theory, Riemann Zeta Function, Riemann Hypothesis, Real Analysis, Riemann Integral, Fourier Series, Riemann's Theory of Surfaces, Riemann Sums etc.

Riemann publications include 15 papers, 4 of which were released after his death.

**Award & Honors**: The award named Riemann Prize is in the field of Mathematics in honor of Great Mathematician Bernhard Riemann. It was first awarded to Terence Tao in 2020.

Bernhard Riemann's ideas concerning geometry of space had a profound effect on the development of modern theoretical physics. He clarified the motion of integral by defining what we now call the Riemann Integral.

**Discovery**: Riemann's discovered that in four dimensions, a series of ten numbers at each point is needed in order to describe the properties of a manifold. This is known as Riemannian Metric in his Geometry.

The Riemann Hypothesis is a conjecture that the Riemann Zeta Function has its zero's only at the negative even integers and complex number.

Name- Ashlesha R. Khante

Class- Bsc 3<sup>rd</sup> year (PCM)





#### Shikshan Prasarak Mandal's

#### NABIRA MAHAVIDYALAYA, KATOL

District Nagpur (M.H.), Pin: 441302
Graduation & Post Graduation in Arts, Commerce, Science & Management

### **Department of Mathematics**

Session: 2021-22

Activity: <u>Students(PG) Seminars in Mathematics</u>

Date: 25/04/2022

Number of beneficiaries: 16

**Objective of the Activity:** The Maths seminars assists students in improving their communication skills, gaining expert knowledge of the topics, networking with others and renewing motivation and confidence, and developing their critical thinking talents and reasoning skills. This activity help students in developing interest towards the subject through cooperative discussion, and through the sharing of perspectives and issues related to the topic.

#### **Description of the Activity:**

The students of M.Sc. Sem-4 Mathematics were informed one week before the conduction of the activity to prepare the presentation on the mathematical topic of their own interest. There were 27 students in M.Sc. Sem-4 Mathematics, out of which 16 students prepared the prepared the topics and delivered their presentation in the classroom. All the teaching faculty members and the students of M.Sc. Sem-2 & 4 Mathematics were present during the activity. List of students presented the seminar is given below and some photos of the students delivering seminars are attached herewith.

1.	A. D.	Thakur
----	-------	--------

<sup>2.</sup> C. D. Giri Goswami

10. V. A. Kumbhare

11. A. P. Barde

12. A. C. Mune

13. L. M. Mohatkar

14. K. A. Deshmukh

15. K. K. Dharne

16. D. R. Kapgate

Head

Dept. of Mathematics

<sup>3.</sup> H. P. Warhade

<sup>4.</sup> S. S. Sawarkar

<sup>5.</sup> B. K. Bhelkar

<sup>6.</sup> P. A. Vairagade

<sup>7.</sup> R. V. Dhavde

<sup>8.</sup> T. K. Harne

<sup>9.</sup> U. D. Kothe

## PHOTOS OF THE CLASSROOM SEMINARS CONDUCTED





























#### Shikshan Prasarak Mandal's

### NABIRA MAHAVIDYALAYA, KATOL

District Nagpur (M.H.), Pin: 441302
Graduation & Post Graduation in Arts, Commerce, Science & Management

# Department of Microbiology and Biotechnology

Nabira Mahavidyalaya, Katol

Title: - National Workshop on Food Adulteration 2022

No. of Beneficiaries: - 120

Date: - 23/12/2021

No. of Beneficiaries: - 120



## NABIRA MAHAVIDYALAYA, KATOL PROGRAM SCHEDULE

e -Work shop on

## "FOOD ADULTERATION AND SAFETY".

## Date- 23/12/2021 Time- 11.00 A.M. onward

# Online Platform – Zoom INAUGURATION FUNCTION 11.00 – 11.10 AM

In the presence of

Dr. S. K. Navin

Principal, Nabira Mahavidyalaya, Katol

### **Key note Speaker/ Resource Person**

From 11.10 AM onward to 12.10 PM

## Shri Santosh U. Napte,

Asst. Prof. and Head, Dept. of Microbiology, Sambhajirao Kendre Mahavidyalaya, Jalkot, Dist. Latur, Mahahrastra

# **Vote of Thanks**<u>12.10-12.15 PM</u>

Convener- Dr. S.K. Navin
Coordinator - Dr. N.B. Hirulkar
Organizing Committee- Mrs. A.S. Chandak, Ku. D.M. Ridhorkar, Mrs. J.A. Lad and Mrs. S.P. Nabiara

Yours Sincerely
Dr. N.B. Hirulkar
Nabira Mahavidyalaya, Katol

#### Description of the program:-

Department of Microbiology and Biotechnology Nabira Mahavidyalaya, Katol in association with Microbiologist society, India was organized a workshop on food adulteration safety on 23/12/2021 at 11.00 am onwards. A total of 530 participants were registered for the same from various part of India. A total of 120 Students were attended the workshop.Prof. Santosh U. Napte from Sambhaji Rao Kendre Mahavidyalaya, Jalkot Dist Latur Maharastra, was the resource person of the workshop. He enlightened the participants and aware them from the food adulteration. He showed how to food adulteration can be detected he also demonstrate the common method which we can use at home for identify the food adulteration. Dr. S.K. Navin, Chief Guest and Principal Nabira Mahavidyalaya, Katol was

present in this occasion. Dr. N. B. Hirulkar Coordinator of the workshop delivered the introductory speech Ku. D.M Ridhorkar conducted the program. The Program was conduct online using Zoom platform.

#### **Inaugurator and Guests:-**

Dr. S.K. Navin, Chief Guest and Principal Nabira Mahavidyalaya, Katol was present in this occasion. Dr. N. B. Hirulkar Coordinator of the workshop delivered the introductory speech Ku. D.M Ridhorkar conducted the program

#### Valedictory Function and Vote of Thanks: -

Dr. N. B. Hirulkar Coordinator of the workshop express vote of thanks.

### Outcome of the program -

Food is essential for sustenance of life. Adulteration of food cheats the consumer and can pose serious risk to the health. Detection of adulteration of food is an essential requirement for ensuring safety of foods we consume. Prof. Santosh U. Napte was the resource person of the workshop showed how to food adulteration can be detected he also demonstrate the common method which we can use at home for identify the food adulteration.

#### List of the students / attendees

### List of Participants Poster Competition and Exhibition 2/3/2022

Sr. No.	Name	Class
1	Janhavi. Dadarao mahajan	Bsc 2 nd year (microbiology)
2	Ashwini yadaorao Umale	Bsc. 2nd year microbiology
3	Krutika Ramesh Bondre	BSC-2year (microbiology)
4	Kalyani A Dhanuskar	Bsc 2nd year Microbiology
5	Snehal Rajendra Madke	B. Sc 2nd year Microbiology
6	Achal N Nasre	Bsc 3 rd yr microbiology
7	Nidhi Dindayal Pande	Bsc , 2nd year , Biotechnology
8	Purwa rajendra Ajankar	Bsc 2nd year (biotechnology)
9	Pratiksha maroti chachane	2nd year (microbiology)
10	Alfiya Ayubkhan Pathan	Bsc 3rd Year (Microbiology)
11	Trupti Narayan Barbuddhe	Msc 2 year (Microbiology)

12		FOOD ADDLIERATION SAFETY
	Pratiksha Ganpatji Dhoble	Bsc.2nd year (microbiology)
13	Janhavi Anil Chorkar	bsc micro second year (4th sem )
14	Trupti Sewakram Bawankule	M.Sc 2nd year (Microbiology)
15	Dipika yograj kurvekar	1st year MSC microbiology
16	Monu Ishwar Dhurve	Bsc 3rd year ( biotechnology )
17	Disha Ravindra Babhulkar	B.sc 3 rd year (Microbiology)
18	Komal chandrabhan chankapure	Bsc 3rd year microbiology
19	Pallavi Dinkar Dhote	MSc 1year (microbiology)
20	Sonali Chandrashekhar Somkuwar	Bsc 2nd year ( biotechnology)
21	Sejal Narendraji Bhoyar	B.Sc.III Yr.Sem VI BTH
22	Komal Kisnaji Rewatkar	Bsc 2nd year
23	Nisha Paresh Tarte	B.sc(2year) microbiology .
24	Kunal Nilkanth Ingale	BSC 2nd year (Microbiology)
25	Nisha Paresh Tarte	B.sc (2year) microbiology.
26	Rizawana khan	Bsc 3rd year (Biotechnology)
27	Dhanswi Rameshrao kharbade	Bsc II year biotechnology
28	Shravani mohan bagwe	Bsc second yr (biotechnology)
29	Ashish Diwakar Tule	B.Sc. 3rd Year, Biotechnology
30	Disha N. Jambhulkar	Bsc 3rd yr (Microbiology)
31	Apurva umap	Bsc 2 nd yr (microbiology)
32	Rohini Ganpatrao kalbhut	Bsc 2nd year (biotechnology)
33	Samir Madhukar ukale	Microbiology 2 year
34	Pranjali Prashant Punse	Bsc 3rd year (6th sem) Biotechnology
35	Komal pruthviraj munne	MSc 1st sem microbiology
36	Aishwarya potula	Microbiology
37	Harshada Vijay Pande	B. Sc 2nd year(M/B)
38	Shraddha Gaju Rangari	Bsc 3rd 6 th sem /
39	Mahendra Shivshankar Paradkar	BSC 3 year microbiology g
40	Ku.Sakshi Bhauraoji Gohate	B.Sc(M/B)3rd year
41	Neha Liladhar Bannagare	Bsc 3 yr microbiology
42	Vaishnavi gulabraoji bhingare	Microbiology
43	Priyanka Kisnaji Hingawe	B.Sc 2 nd(Microbiology)
44	Pratiksha shriram Raut	Msc-1year (microbiology)
45	Kritika Gajbhiye	Bsc 3rd year (MB)
46	Samir Madhukar ukale	B.sc 2 year (microbiology)
47	Mihir Dhote	M.Sc 1st year and Microbiology
48	Titiksha Bandurao Lende	M.sc - I (Microbiology)
49	Vaidanti R. Junghare.	Bsc 3rd year (B/T)

	T Werther	I
50	Saloni Sanjay Khenwar	Bsc 2nd year microbiology
51	Saloni Sanjay Khenwar	Bsc 2nd year Food Adulteration
52	Puja Tilak Chorghade	Bsc 3rd year (Biotechnology)
53	Payal Hiroji Raut	B.Sc 2nd year (Microbiology)
54	Switi Sukhdeorao Chorghade	Bsc 3 rd year , microbiology
55	Dipali Liladhar Ektiya	MSC 1 st year microbiology
56	Ruhi Shamshuzama Sayyad	Msc 1st year (Microbiology)
57	Rutuja Manohar Pathade	Bsc 2 nd year ( microbiology)
58	Kajal j. Chimote	Bsc 3rd yr ( biotechnology )
59	Darshika muniraj gulale	Bsc 2nd year biotechnology
60	Vaishnavi Chatrapati Tabhane	Msc 2nd year microbiology
61	Harshada Ramesh Rajguru	Msc (Semester-1st) (Microbiology)
62	Ruchita Rajendra Charde	Bsc second year ( biotechnology)
63	Priya Diliprao Dhandale	B.Sc 2nd year (microbiology)
64	Sakshi Rajendrarav Tabhane	Bsc 2nd year (Microbiology)
65	Roshani sanjay sawarkar	Microbiology ( 1st year )
66	Siddhi gaikwad	Bsc 3rdyear ( microbiology)
67	Vaishnavi Sunil dalvi	Bsc second year microbiology
68	Yukti nadhe	Bsc 2nd yr microbiology
69	Sana Mehaboob Sheikh	Msc-II year ( Microbiology )
70	Punam Sewatkar	Final year (identification of bacteria)
71	Lata Sukhadeo Hanwate	M.Sc. 1st year microbiology
72	Samiksha Ramesh Hanwatkar	Msc 2nd year Microbiology
73	Poonam devendra bhaiswar	Bsc second year microbiology
74	Nisha Sudhakar Thote	M. Sc II nd yr (micro )
75	Trupti Narayan Barbuddhe	Msc 2 year Microbiology
76	Nikita shankarrao shendre	Microbiology
77	Yashashree ambadkar	Bsc1year(microbiology)
78	Rumani Kalambe	M.SC. II Year Microbiology
79	Pratiksha maroti chachane	2nd year (microbiology)
80	Shilpa laxmanrao raut	Bsc biotechnology Microbiology 3rd yr
81	Ashish Diwakar Tule	B.Sc. 3rd Year, Biotechnology
82	Utkarsha Panchbhai	1st year microbiology
83	Ritul Sakariya	Bsc final year microbiology
84	Ashvini Pramod Satpute	B.Sc 3rd yr (M/B)
85	Samiksha motikar	Microbiology 2nd year
86	Rohini Ganpatrao kalbhut	Bsc2nd year(biotechnology)
87	Tanuja Rajendra Tapare	Bsc 3rd year microbiology

	c worktoner	on FOOD ADULTERATION SAFETY
88	Avantika Avinash Kharabe	Bsc 1st year (Microbiology)
89	Trupti Sewakram Bawankule	M.Sc 2 year Microbiology
90	APURVA UMAP	Bsc 2 nd yr (microbiology),
91	Khushali Moreshwar Bhure	B.sc 1 st year ( Microbiology)
92	Pravin Anand Gawali	B.sc 2 yr (Biotechnology)
93	Bhumeshwari p dafare	Msc 1st year microbiology
94	Prathmesh pande	Bsc 1st year microbilogy
95	Shruti rajendra bansod	Bsc 1st year(microbiology)
96	Gunjan Namdeorao Dafale	B. Sc 2nd year ( Microbiology)
97	Sadaf Parveen Zakir sheikh	Msc 2nd year
98	Rashi suresh borde	2nd year ( micro)
99	Sejal Narendraji Bhoyar	B.Sc.III Yr. Biotechnology
100	Roshani Rajendra Tayde	Msc 2nd yr 4th sem( microbiology )
101	Harshala Manohar Satpute	BSC 3rd year, Microbiology
102	Swati Gondole	B.sc 3rd sem Microbiology
103	Pranjali Khandate	BSC first year (microbiology)
104	Chaitali Anil Anturkar	BSc. First year (microbiology)
105	Rupal Shankarrao Balpande	B.sc 3rd year ( BTH)
106	Sonali Mahadeo Thakre	Microbiology
107	Unnati Eknath Khajuriya	Msc 1st year (Microbiology)
108	Ritika Sudhakar Parate	BSc. First year (microbiology)
109	kunal nandghale	B.sc VI sem (microbiology)
110	Jay Tarachand Jurao	1st year microbiology(bsc)
111	Ankita sudhakar khuspare	B.Sc 2nd year Biotechnology
112	Nikita Gopalrao Chafale	1st year (microbiology)
113	Gayatri moreshwar mahure	Bsc II year ( Biotechnology)
114	Khushita Sanjay Dhanorkar	Bsc 1 year biotechnology
115	Shreya D. Raut	Bsc 2nd year sem 4th (Biotechnology )
116	Chaitali Anil Anturkar	BSc. First year (microbiology)
117	Rupal Shankarrao Balpande	B.sc 3rd year ( BTH)
118	Sonali Mahadeo Thakre	Microbiology
119	Unnati Eknath Khajuriya	Msc 1st year (Microbiology)
120	Chaitali Anil Anturkar	BSc. First year (microbiology)

# Photographs





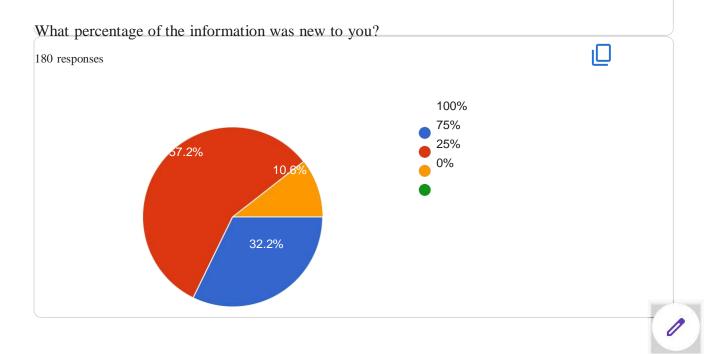
Feedback with analysis along with graphical representation

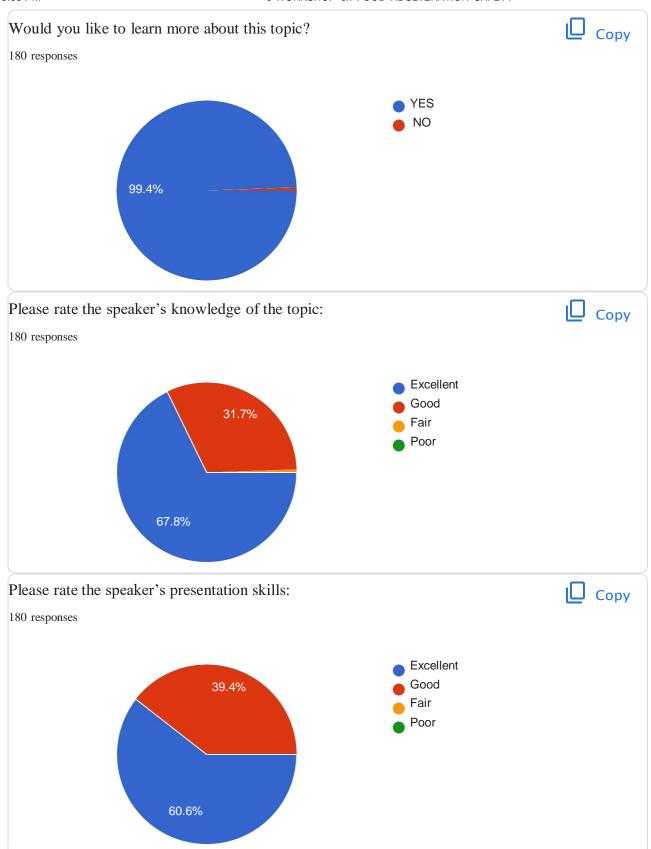
# e WORKSHOP on FOOD ADULTERATION SAFETY

Publish analytics

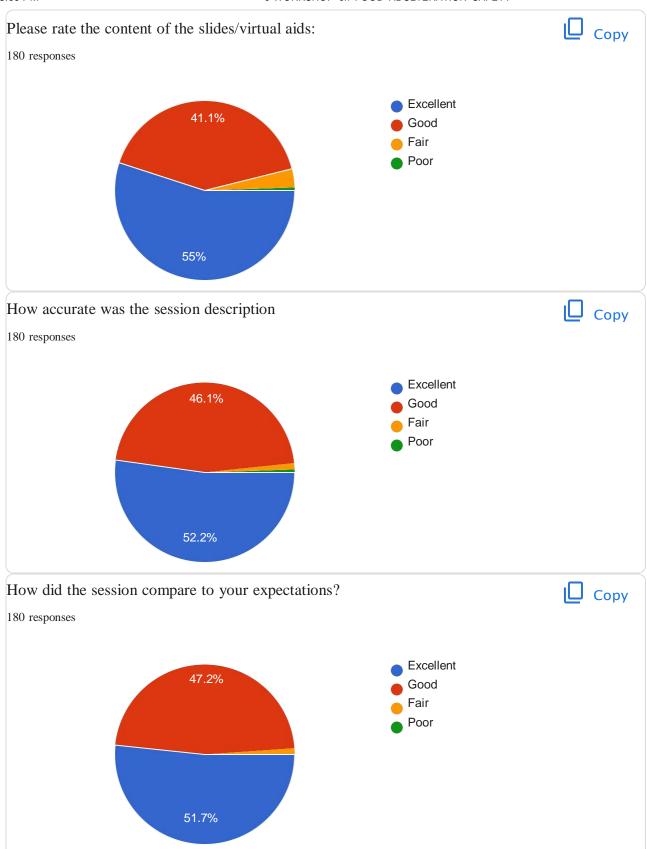


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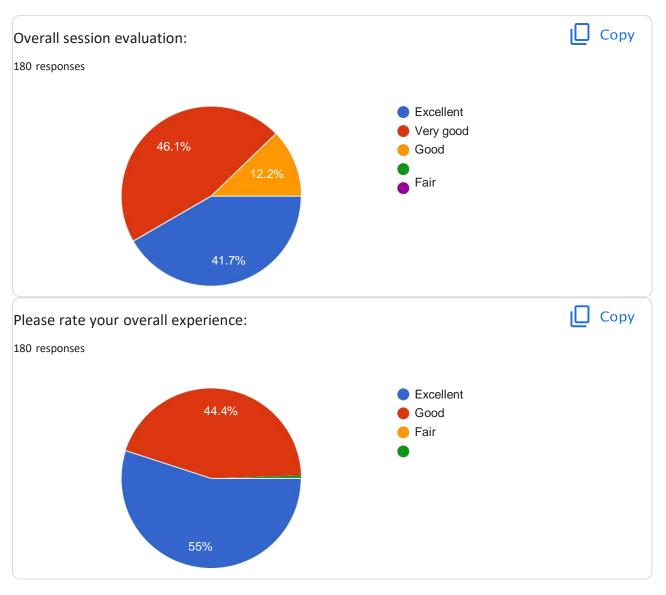












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# NABIRA MAHAVIDYALAYA, KATOL

District Nagpur (M.H.), Pin: 441302 Graduation & Post Graduation in Arts, Commerce, Science & Management

# Department of Microbiology and Biotechnology

Nabira Mahavidyalaya, Katol

# **National Webinar**

**Title: -** BIOFERTILIZER AND PGPR: FUTURE PROSPECTS FOR SUSTAINABLE AGRICULTURE

Date: - 30/11/2021

No. of Beneficiaries: - 110

# NABIRA MAHAVIDYALAYA, KATOL

Department of Microbiology & Biotechnology
In Association with

# Department of Botany Organizes A NATIONAL WEBINAR

On

# BIOFERTILIZER AND PGPR: FUTURE PROSPECTS FOR SUSTAINABLE AGRICULTURE

Date 30/11/21 Time: 10.30-12.30 PM

In the Presence of Chief Guest

# Dr. Sunil Kumar Navin

Principal, Nabira Mahavidyalaya, Katol

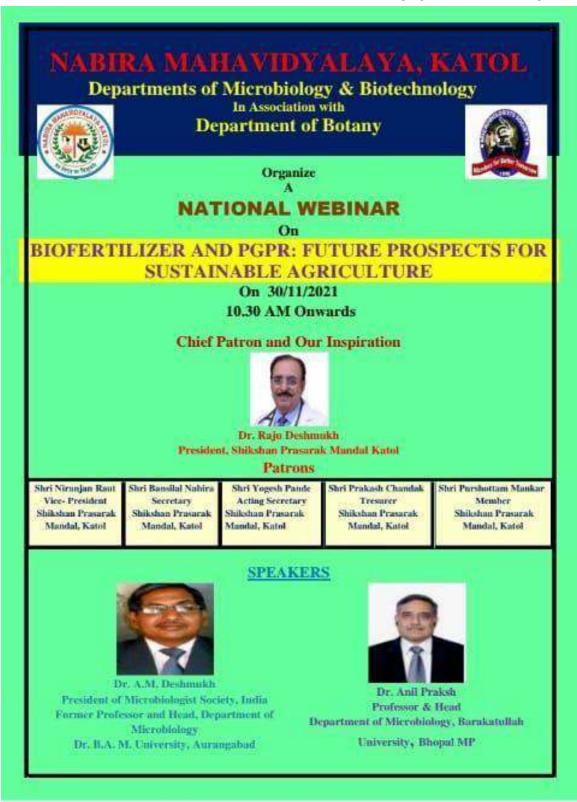
# **SPEAKERS**

Dr. A.M. Deshmukh
President of Microbiologist Society, India
Former Professor and Head, Department of
Microbiology
Dr. B.A. M. University, Aurangabad

Dr. Anil Praksh Professor & Head Department of Microbiology, Barakatullah University, Bhopal MP

Coordinators		
Dr. N.B. Hirulkar	Dr. Vipin Kalbande	
Head, Dept. of Microbiology and Biotechnology,	Head, Dept. of Botany, Nabira Mahavidyalaya	
NMV, Katol	Katol	

Organizing Committee		
Dept. of Microbiology and Biotechnology	Department of Botany	
Dr. N.B. Hirulkar	Dr. Vipin Kalbande,	
Mrs. A.S. Chandak and Ku. D.M. Ridhorkar	Mrs. R.M. Meshram	



# **Digital / Online Advisors**

Dr. Adil Jiwani Dept. Of Management Studies, NMV, Katol Mr. Ganesh Nimje Dept. of Computer Literacy, NMV, Katol

Acknowledgment

Dr. V.G. Barsagde, Coordinator, IQAC, NMV Katol

# PRGOGRAM SCHEDULE On 30/11/21

Inauguration Function			
10.30-10.35 am	Dr. N.B. Hirulkar, Coordinator		
10.35 – 10.40	Dr. Vipin Kalbande, Coordinator		
10.40-10.45	Dr. S.K. Navin, Chief Guest & Principal, NMV,		
	Katol		
Spe	Speakers of The Webinar Session		
10.45- 11.30 AM	Dr. A.M. Deshmukh		
11.30 – 12.15 PM	Dr. Anil Praksh		
	Valedictory function		
12.15-12.18	<b>Guest of Honor</b>		
	Dr. V.G. Barsagde Coordinator IQAC		
12.18-12.20	Vote of Thanks		

# Report On Webinar

# Description of the program:-

Department of Microbiology & Biotechnology In Association with Department of Botany were Organized A NATIONAL WEBINAR On BIOFERTILIZER AND PGPR: FUTURE PROSPECTS FOR SUSTAINABLE AGRICULTURE on Date 30/11/21 Time: 10.30-12.30 PM In the Presence of Chief Guest Dr. Sunil Kumar Navin, Principal, Nabira Mahavidyalaya, Katol.

According to speakers recent efforts have been channelized more towards the production of 'nutrient rich high quality food' in sustainable comportment to ensure bio-safety. The innovative view of farm production attracts the growing demand of biological based organic fertilizers exclusive of alternative to agro-chemicals. In agriculture, encourage alternate means of soil fertilization relies on organic inputs to improve nutrient supply and conserve the field management. Organic farming is one of such strategies that not only ensures food safety but also adds to the biodiversity of soil. The additional advantages of bio fertilizers include longer shelf life causing no adverse effects to ecosystem.

This program was coordinated by Dr. N.B. Hirulkar Head, Dept. of Microbiology and Biotechnology, NMV, Katol and Dr. Vipin Kalbande Head, Dept. of Botany, Nabira Mahavidyalaya Katol.

**Inaugurator and Guests:-** On this occasion Dr. A.M. Deshmukh President of Microbiologist Society, India Former Professor and Head, Department of Microbiology Dr. B.A. M. University, Aurangabad as a Key note speaker and Dr. Anil Praksh Professor & Head Department of Microbiology, Barakatullah University, Bhopal, MP.

# Valedictory Function and Vote of Thanks: -

The Organizing Committee was Dept. of Microbiology and Biotechnology Dr. N.B. Hirulkar, Mrs. A.S. Chandak and Ku. D.M. Ridhorkar Department of Botany Dr. Vipin Kalbande, Mrs. R.M. Meshram. The webinar was hosted by Ku. D.M. Ridhorkar. Vote of Thanks given by. Dr. N.B. Hirulkar.

The Digital / Online supports were provided by Dr. Adil Jiwani, Dept. Of Management Studies, NMV, Katol And Mr. Ganesh Nimje, Dept. of Computer Literacy, NMV, Katol. Department Acknowledged President Shikshan Prasarak Mandals Katol and All the Homorable Members od SPM, Nabira Mahavidyalaya Katol and Dr. V.G. Barsagde, Coordinator, IQAC, NMV Katol

### Outcome of the program –

The webinar is useful to graduate and postgraduate students. The topic also covered the curriculum part. In agriculture, encourage alternate means of soil fertilization relies on organic inputs to improve nutrient supply and conserve the field management. Organic farming is one of such strategies that not only ensures food safety but also adds to the biodiversity of soil. The additional advantages of bio fertilizers include longer shelf life causing no adverse effects to ecosystem.

## List of the students / attendees

# List of Participants Poster Competition and Exhibition 2/3/2022

Sr. No.	Name	Class
1	Janhavi. Dadarao mahajan	Bsc 2 nd year (microbiology)
2	Ashwini yadaorao Umale	Bsc. 2nd year microbiology
3	Krutika Ramesh Bondre	BSC-2year (microbiology)
4	Kalyani A Dhanuskar	Bsc 2nd year Microbiology
5	Snehal Rajendra Madke	B. Sc 2nd year Microbiology
6	Achal N Nasre	Bsc 3 rd yr microbiology
7	Nidhi Dindayal Pande	Bsc , 2nd year , Biotechnology
8	Purwa rajendra Ajankar	Bsc 2nd year (biotechnology)
9	Pratiksha maroti chachane	2nd year (microbiology)
10	Alfiya Ayubkhan Pathan	Bsc 3rd Year (Microbiology)
11	Trupti Narayan Barbuddhe	Msc 2 year (Microbiology)
12	Pratiksha Ganpatji Dhoble	Bsc.2nd year (microbiology)
13	Janhavi Anil Chorkar	bsc micro second year (4th sem)
14	Trupti Sewakram Bawankule	M.Sc 2nd year (Microbiology)
15	Dipika yograj kurvekar	1st year MSC microbiology
16	Monu Ishwar Dhurve	Bsc 3rd year (biotechnology)
17	Disha Ravindra Babhulkar	B.sc 3 rd year (Microbiology)
18	Komal chandrabhan chankapure	Bsc 3rd year microbiology
19	Nikita Rajendra Tagade	B.sc 2nd year.microbiology
20	Sakshi Manohar Surjuse	Bsc 1st year MB
21	Puja Ghumde	Bsc1st year BT
22	Chaitali Anil Anturkar	BSc. First year (microbiology)
23	Rupal Shankarrao Balpande	B.sc 3rd year (BTH)
24	Sonali Mahadeo Thakre	Microbiology
25	Unnati Eknath Khajuriya	Msc 1st year (Microbiology)
26	Ritika Sudhakar Parate	B.sc VI sem (microbiology)
27	kunal nandghale	1st year microbiology(bsc)
28	Jay Tarachand Jurao	B.Sc 2nd year Biotechnology
29	Ankita sudhakar khuspare	1st year (microbiology)
30	Nikita Gopalrao Chafale	Bsc II year ( Biotechnology)
31	Gayatri moreshwar mahure	Bsc 1 year biotechnology
32	Khushita Sanjay Dhanorkar	Bsc 2nd year sem 4th (Biotechnology
33	Shreya D. Raut	B. Sc 3rd yr. Biotechnology
34	Dipti Devidas Wagh	Bsc 3rd yr(Biotechnology)
35	Nishita Rajesh Raut	BSc 3rd yr (microbiology)
36	Sakshi ravindra raut	Bsc 3rd year (Biotechnology)

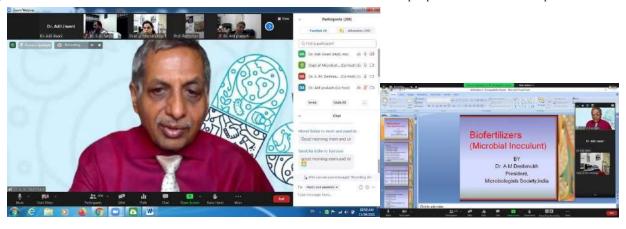
		PR: future prospects for sustainable development
37	Harshada Vijay Pande	B. Sc 2nd year(M/B)
38	Shraddha Gaju Rangari	Bsc 3rd 6 th sem /
39	Mahendra Shivshankar Paradkar	BSC 3 year microbiology g
40	Ku.Sakshi Bhauraoji Gohate	B.Sc(M/B)3rd year
41	Neha Liladhar Bannagare	Bsc 3 yr microbiology
42	Vaishnavi gulabraoji bhingare	Microbiology
43	Priyanka Kisnaji Hingawe	B.Sc 2 nd(Microbiology)
44	Pratiksha shriram Raut	Msc-1 year (microbiology)
45	Kritika Gajbhiye	Bsc 3rd year (MB)
46	Samir Madhukar ukale	B.sc 2 year (microbiology)
47	Mihir Dhote	M.Sc 1st year and Microbiology
48	Titiksha Bandurao Lende	M.sc - I (Microbiology)
49	Vaidanti R. Junghare.	Bsc 3rd year (B/T)
50	Saloni Sanjay Khenwar	Bsc 2nd year microbiology
51	Saloni Sanjay Khenwar	Bsc 2nd year Food Adulteration
52	Puja Tilak Chorghade	Bsc 3rd year (Biotechnology)
53	Payal Hiroji Raut	B.Sc 2nd year (Microbiology)
54	Switi Sukhdeorao Chorghade	Bsc 3 rd year, microbiology
55	Dipali Liladhar Ektiya	MSC 1 st year microbiology
56	Ruhi Shamshuzama Sayyad	Msc 1st year (Microbiology)
57	Rutuja Manohar Pathade	Bsc 2 nd year ( microbiology)
58	Kajal j. Chimote	Bsc 3rd yr (biotechnology)
59	Darshika muniraj gulale	Bsc 2nd year biotechnology
60	Vaishnavi Chatrapati Tabhane	Msc 2nd year microbiology
61	Harshada Ramesh Rajguru	Msc (Semester-1st) (Microbiology)
62	Ruchita Rajendra Charde	Bsc second year ( biotechnology)
63	Priya Diliprao Dhandale	B.Sc 2nd year (microbiology)
64	Sakshi Rajendrarav Tabhane	Bsc 2nd year (Microbiology)
65	Roshani sanjay sawarkar	Microbiology (1st year)
66	Siddhi gaikwad	Bsc 3rdyear ( microbiology)
67	Vaishnavi Sunil dalvi	Bsc second year microbiology
68	Yukti nadhe	Bsc 2nd yr microbiology
69	Sana Mehaboob Sheikh	Msc-II year ( Microbiology )
70	Punam Sewatkar	Final year (identification of bacteria)
71	Lata Sukhadeo Hanwate	M.Sc. 1st year microbiology
72	Samiksha Ramesh Hanwatkar	Msc 2nd year Microbiology
73	Poonam devendra bhaiswar	Bsc second year microbiology
74	Nisha Sudhakar Thote	M. Sc ll nd yr (micro )
	<u>I</u>	

75	Trupti Narayan Barbuddhe	Msc 2 year Microbiology
76	Nikita shankarrao shendre	Microbiology
77	Yashashree ambadkar	Bsc1year(microbiology)
78	Rumani Kalambe	M.SC. II Year Microbiology
79	Pratiksha maroti chachane	2nd year (microbiology)
80		Bsc biotechnology Microbiology 3rd
	Shilpa laxmanrao raut	yr
81	Ashish Diwakar Tule	B.Sc. 3rd Year, Biotechnology
82	Utkarsha Panchbhai	1st year microbiology
83	Ritul Sakariya	Bsc final year microbiology
84	Ashvini Pramod Satpute	B.Sc 3rd yr (M/B)
85	Samiksha motikar	Microbiology 2nd year
86	Rohini Ganpatrao kalbhut	Bsc2nd year(biotechnology)
87	Tanuja Rajendra Tapare	Bsc 3rd year microbiology
88	Avantika Avinash Kharabe	Bsc 1st year (Microbiology)
89	Trupti Sewakram Bawankule	M.Sc 2 year Microbiology
90	APURVA UMAP	Bsc 2 nd yr (microbiology),
91	Khushali Moreshwar Bhure	B.sc 1 st year ( Microbiology)
92	Pravin Anand Gawali	B.sc 2 yr (Biotechnology)
93	Bhumeshwari p dafare	Msc 1st year microbiology
94	Prathmesh pande	Bsc 1st year microbilogy
95	Shruti rajendra bansod	Bsc 1st year(microbiology)
96	Gunjan Namdeorao Dafale	B. Sc 2nd year ( Microbiology)
97	Sadaf Parveen Zakir sheikh	Msc 2nd year
98	Rashi suresh borde	2nd year ( micro)
99	Sejal Narendraji Bhoyar	B.Sc.III Yr. Biotechnology
100	Roshani Rajendra Tayde	Msc 2nd yr 4th sem( microbiology)
101	Harshala Manohar Satpute	BSC 3rd year, Microbiology
102	Swati Gondole	B.sc 3rd sem Microbiology
103	Pranjali Khandate	BSC first year (microbiology)
104	Pratiksha Gajanan Bondre	B. Sc 3rd year (Biotechnology)
105	Prachi Gajanan Ladukar	Bsc 3rd year (biotechnology)
106	Puja Tilak Chorghade	B.sc 3rd year (Biotechnology)
107	Shital hiraman rewatkar	Bsc 2nd year(mb)
108	Dipika yograj kurvekar	1year MSC (MICROBIOLOGY)
109	JASMIN RAMJAN ANSARI	Bsc 3rd year, Biotechnology
110	Chaitanya avinash bodad	1st year bsc microbiology

# Sample of the certificate (if given)



# **Photographs**



Feedback with analysis along with graphical representation

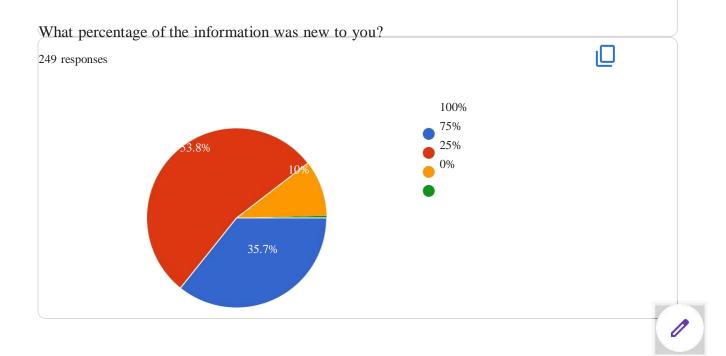
PDF File of Google form format is attached.

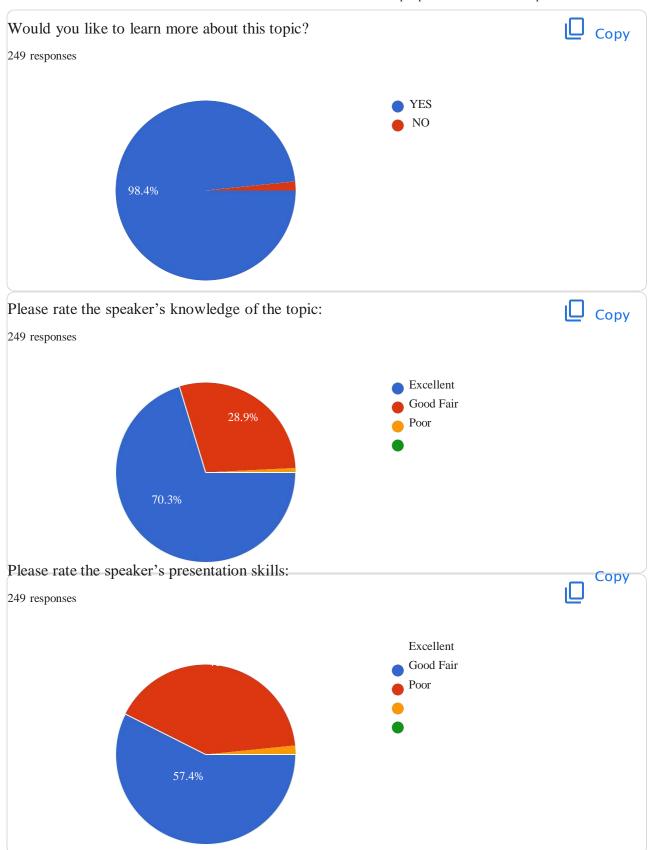
# National Webinar on Biofertilizer & PGPR: future prospects for sustainable development

Publish analytics

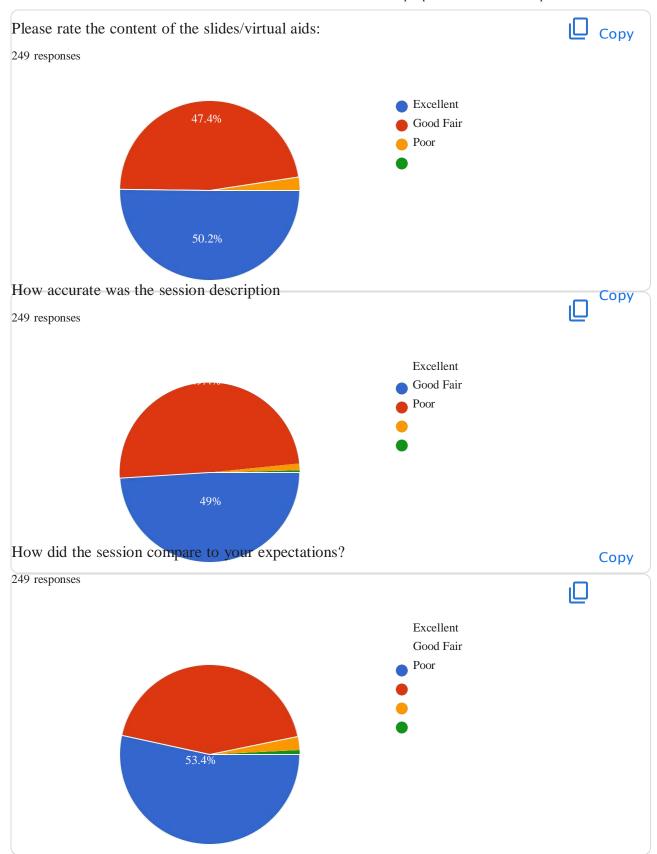




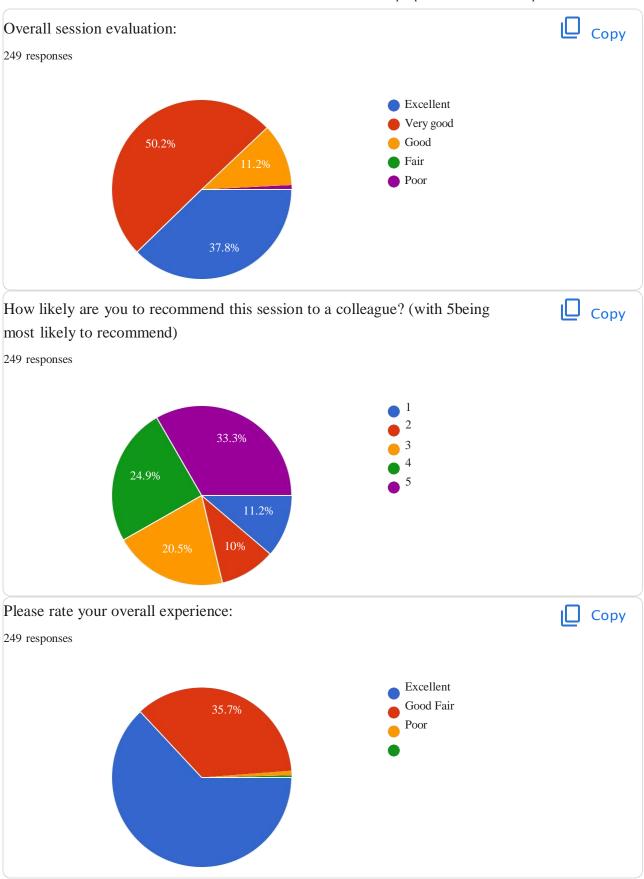












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# **News Cutting:- Available**

# **Tarun Bharat 5/12/2021**

# नबीरा महाविद्यालयात ई-कॉन्फरन्स

काटोल: शहरातील नबीरा महाविद्यालयात सूक्ष्मजीवशास्त्र, जैवतंत्रज्ञान व वनस्पतीशास्त्र विभागाच्या वतीने ई-कॉन्फरन्सचे नुकतेच आयोजन करण्यात आले होते. यात राज्यातील संबंधित विषयाचे प्राध्यापक आणि विद्यार्थी सहभागी झाले होते. या कॉन्फरन्समध्ये मार्गदर्शक म्हणून मायकोबायोलॉजिस्ट सोसायटी ऑफ इंडियाचे अध्यक्ष डॉ. ए. एम. देशमुख आणि बरकतउल्ला विद्यापीठ भोपाळ (मध्य प्रदेश) येथील मायकोबायोलॉजी विभाग प्रमुख संचालक डॉ. अनिल प्रकाश सहभागी झाले होते. या दोन्ही वक्त्यांनी जैविक खते व पीजीपीआर च्या विविध पैलूंवर तसेच रासायनिक खतांचा अतिवापर, त्याचे पर्यावरण व मानवी आरोग्यावरील दुष्परिणाम, खालावत चाललेला शेतजमिनीचा पोत, ायझोबियमचे महत्त्व, पिकांची हवेतील नायट्रोजन शोषून व साठवून वण्याचे तसेच पिकांच्या वाढीसाठी त्याचा वापर करण्याचे कार्य, वाणूपासून जैविक खतांची निर्मिती व त्याचा वापर, त्याचे फायदे यावर प्रदर्शन केले. संचालन प्रा. धनश्री रिधोरकर यांनी केले तर प्रा. डॉ. एन.बी. इकर यांनी आभार मानले











# NABIRA MAHAVIDYALAYA, KATOL

District Nagpur (M.H.), Pin: 441302
Graduation & Post Graduation in Arts, Commerce, Science & Management

Organiser:- C P & Berar College Nagpur, Dayanand Art Girls College Jaripatka,
Nagpur & Nabira Mahavidyalaya, Katol

# **Department of Home Economics**

Session: 2021-22

Title: 7 DAYS STUDENT PROGRESSION WORKSHOP (Carrier Path In Nutrition, Food

Safety and Wellness)

Date: 15 TO 21 SEPT 2021

Number of beneficiaries: 330

Objective of the program. - विविध पोषक घटकांची माहिती व त्या पासून रोजगार निर्मिती

About of the Speaker/guest- Dr. Meghna Pandit

Assistant Professor Home Science Dept. Dharmpeth Science College, Nagpur

2. Dr. Vaishali Dhanvijay Assistant Professor PGTT Dept. Of Home Science SGB Amravati University.

3. Dr. Sadhna Karhade Asso Professor Dept. Of Home Economics VMV College Vardhman Nagar, Nagpur

4. Dr. Ashwini Meshram Assistant Professor Dept. Of Home Science, L.A.D. College, Nagpur

5. Dr. Gokula Bhalerao

# Asso Professor Dept. Of Home Economics S.S. Girls College, Gondia.

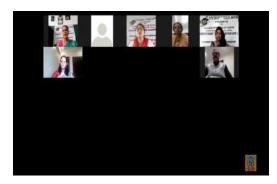
Description of the program – Carrier in Nutrition and to develope Entrepreneurship Development in food industry.

- i. Introduction of guest Dr. Prerna Ratnparkhi
- ii. Inaugurator Dr. Milind Barahate
- iii. Chief guest Dr. S. K. Navin
- iv. Speaker Dr. Meghna Pandit, Dr. Vaishali Dhanvijay, Dr. Sadhna Karhade, Dr. Ashwini Meshram, Dr. Gokula Bhalerao.
- v. Vote of thanks Dr. D. D. Ghagargunde and Dr. Sujata Sakhare
- vi. Details of technical sessions if any No

Outcome of the program.

Students gain knowledge of food industry wellness and carrier opportunities.

Geo-tagged photographs / Event wise pictures with caption.









# ONE DAY WEBINAR



# ON

# Modern Body Pollution, corona and Changing Life-Style

Organized By
Department of Home Economics Nabira Mahavidyalaya, Katol

In collaboration with

Amar Sewa Mandal's NSS Unit, Kamla Neharu Mahavidyalaya, Nagpur

31July, 2021 at 11:30 am

#### SPEAKER

Prof. Hemant Kotangale

Sr. Lecturer in Pharmacy Smt, Kusumtai Wankhede Institute of Pharmacy, Katol.

#### CHIEF PATRON

Hon'ble Dr. Raju Deshmukh President Shikshan Prasarak Mandal, Katol

#### PATRONS

Hon'ble Shri Niranjanji Raut Vice-President Hon'ble Shri Bansilalji Nabira Secretary

Hon'ble Shri Yogeshji Pande Joint-Secretary

Hon'ble Shri Prakashji Chandak Treasnrer Hon'hle Shri Purushottamji Mankar Member

# Organizer

Dr.SuniBumar Navin Principal Nabira Mahavidyalaya Katol Dr. Dilip Badwaik Principal Kamla Nehru Mahavidyalaya Nagpur

Dr. Dumyanti Ghaghargunde Head Dept.of Home- Economics NMV Katol. Dr. Ninad Kaslikar NSS Programme officer Unit I Kamla Nehru Mv. Nagpur Dr. Mrunal Waliokar NSS Programm officer Unit II Kamia Nehru Mv. Nagpur







# NABIRA MAHAVIDYALAYA, KATOL

District Nagpur (M.H.), Pin: 441302
Graduation & Post Graduation in Arts, Commerce, Science & Management

# **DEPARTMENT OF HOME ECONOMICS**

**Session: 2021-2022** 

Title: Modern Body Pollution, Corona And Changing Life-Style.

Date:31st July, 2021

**Number of beneficiaries: 220** 

Objective of the program. Awareness About Corona And Changing Lifestyle.

About of the Speaker/guest- Prof. Hemant Kotangale (Senior Lecturer)
Shrimati Kusumtai Wankhede Institute Of Pharmacy College, Katol.

Description of the program – Todays Changing Life Due to Corona Virus And Physically And Mentally Polluted Society

- i. Introduction of guest Dr . D. D. Ghagargunde
- ii. Inaugurator Dr. S. K. Navin
- iii. Chief guest Prof. Hemant Kotangale.
- iv. Speaker Prof. Hemant Kotangale.
- v. Vote of thanks Dr. Mrunal Waliokar

## Outcome of the program.

आजच्या कोरोना काळातील बदलत्या जीवनचक्रामुळे शरीरावर होणारे अनिष्ट प्रदूषण आणि त्यावर कोणत्या उपाय योजना करायला पाहिजे हयावर माहिती प्राप्त झाली.

# Geo-tagged photographs / Event wise pictures with caption.













# NABIRA MAHAVIDYALAYA, KATOL

District Nagpur (M.H.), Pin: 441302
Graduation & Post Graduation in Arts, Commerce, Science & Management

# **Organiser (Dept. of Home Economics)**

**Session: 2021-22** 

Title: ज्न्या दिव्यांची सजावट स्पर्धा

Date: 16<sup>th</sup> Oct 2021

Number of beneficiaries: 18

Objective of the program. - To Enhance skill.

Description of the program - To Enhance skill.

Outcome of the program.

Students got Competition skill.

List of the students / attendees -

Mention winners if it is a competition or quiz. -

- 1. Dimpal Rajesh Dhabai
- 2. Ritu Prabhakar Gupta

# Geo-tagged photographs / Event wise pictures with caption.













# NABIRA MAHAVIDYALAYA, KATOL

District Nagpur (M.H.), Pin: 441302
Graduation & Post Graduation in Arts, Commerce, Science & Management

# **Dept. of Home Economics**

Session: 2021-22

Title: Women's Day Celebration (Women's Empowerment and Health Awareness)

Date: 8 March 2022

Number of beneficiaries: 53 Girls

Objective of the program. – To Aware women's health.

About of the Speaker/guest- Dr. Shwetali Deshmukh, M.B.B.S. DGO SURETAKE HOSPITAL, NAGPUR.

Description of the program – Dr. Shwetali Deshmukh told to girls students don't ignore our mental and physical health. Do exercise regularly and to intake healthy food.

- i. Introduction of guest Dr. R. R. Pathak
- ii. Chief guest Dr. S. K. Navin
- iii. Speaker Dr. Shwetali Deshmukh
- iv. Vote of thanks Prof. Amit Khandekar

Outcome of the program. – Student interact their health related queries with Dr. Shwetali Deshmukh And they satisfy.

# Geo-tagged photographs / Event wise pictures with caption.







# Nabira Mahavidyalaya, Katol. Department of Commerce

# Notice

Date: 22-03-2022

This is to inform B.Com. 3<sup>rd</sup> year students that Seminar will be conducted from 29-03-2022 to 04-04-2022.

Students who would like to participate in Seminar should contact to Dr. Punit Raut and Prof. Mukesh Jadhao with their topics latest by 28 March, 2022.

Dr. G. K. Khorgade,

Head, Dept.of Commerce, N.M.V.







# NABIRA MAHAVIDYALAYA, KATOL.

District: Nagpur (M.H.), Pin: 441302.

Graduation & Post Graduation in Arts, Commerce, Science & Management

Organizer: Department of Commerce, Katol.

**Session** : 2021-22

Title : Seminar Competition
Date : 29\02022 To 04\04\2022.

Number of Participant: 24 Students of B.Com 3<sup>rd</sup> Year Number of Beneficiaries: 210 students of B.Com 3<sup>rd</sup> Year

# **Objective of the Program:**

- 1. Presentation of seminars by students aims to provide platform for the students to remove their stage fear and learn art of public speaking.
- 2. To gain teaching experience.
- 3. To learn presentation skill and communication skill.
- 4. To acquire knowledge of various subject in commerce.

# **About of the Examiner:**

Prof. Dr. V.R. Ruikar. (Associate Professor, N.M.V., Katol)

Prof. Jayant Kalambhe (Lecturer, Dept. of Commerce, N.M.V., Katol.)

# **Description of the Programme:**

Seminar competition was organized by department of commerce, from 29\03\2022 to 04\04\2022. The number of 24 students participated in seminar competition. They are self-motivated students who gives a fear-free public talk on the stage. They choose their topic and presented effectively in front of B.Com. final year students. 210 students of B.Com. final year including both medium was presented in seminar.

# **Outcome of the Program:**

- 1. Seminar provided platform for the student to remove their stage fear.
- 2. It was observed that confidence, communication skill, presentation skill and coordination spirit started to improve among the students.
- 3. Students comes to know various aspect of improving the communication skill.

**List of the Students/ Attendees :** 24 students of B.Com. final year including both medium was participated in seminar.

# Department of Commerce

Nabira Mahavidyalaya, Katol.

# **Attendance Sheet**

Programme Name: Seminar Competition

Date: 29/02/2022 To 04/04/2022

The following students participated in the programme.

Sr.No	Name of Students	Sr.No	Name of Students	
1	Nayan Warghat	13	Pratik anil behare	
2	Abhishek R. Wadhive	14	Ashwini S. Kalbande	
3	Chandu Balram Watkar	15	Neha kisnaji hirudkar	
4	Pooja govindrao pande	16	Seema banduji munne	
5	Aditya Sudhakar Helonde	17	Shreyas m. Mowade	
6	Hemlata Ghode	18	Bhawana Vitthal Gorle	
7	Akshay Gulab Kawale	19	Ganesh mohan yenurkar	
8	Sangharsh d. Gudadhe	20	Karishma arjun jugseniya	
9	Santoshi m. Sonbarse	21	Anuradha Wanjari	
10	Arti Banduji Patil	22	Revati ashokrao darbhe	
11	Puja kishorji amle	23	Sahil Kalambhe	
12	Ashvini Dhanraj Babulkar	24	Rupesh ganesh kumeriye	

Dr. G. K. Khorgade,

Head,

Dept. of Commerce, N.M.V.

## Winners:

Winner of seminar competition is as follow:

1 <sup>st</sup> Winner	Ku. Nayan Warghat (B.Com. 3 <sup>rd</sup> Year, Marathi Medium)			
	Ku. Anuradha Wanjari (B.Com. 3 <sup>rd</sup> Year, English Medium)			
2 <sup>nd</sup> Winner	Mr. Sahil Kalambhe (B.Com. 3 <sup>rd</sup> Year, Marathi Medium)			
	Ku. Hemlata Ghode. (B.Com. 3 <sup>rd</sup> Year, English Medium)			

# **Geo-tagged Photographs:**





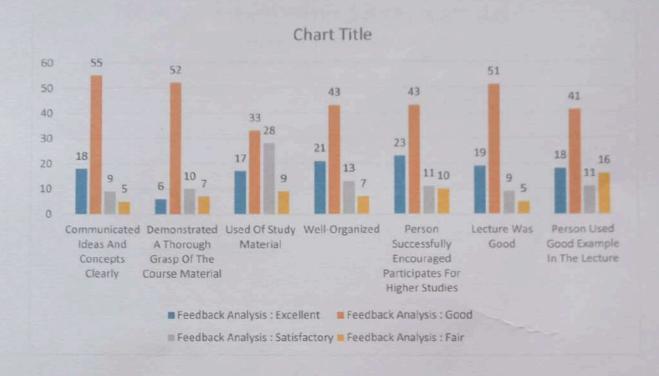


( Students Presented their topic in Seminar )

# Feedback Analysis:

Criteria	Excellent	Good	Satisfactory	Fair
Communicated Ideas And Concepts Clearly	18	55	9	5
Demonstrated A Thorough Grasp Of The Course Material	6	52	10	7
Used Of Study Material	17	33	28	9
Well-Organized	21	43	13	7
Person Successfully Encouraged Participates For Higher Studies	23	43	11	10
Lecture Was Good	19	51	9	5
Person Used Good Example In The Lecture	8	41	11	16

## Graphical Representation:



Dr. G. K. Khorgade, Head, Dept. of Commerce, N.M.V.

## Nabira Mahavidyalaya, Katol. Department of Commerce

#### Notice

Date: 16-03-2022

All the students of commerce are hereby informed that, our department has decided to organize Two Day Online Workshop on the topic "Interview Techniques and Communication Skill".

Date: 21-03-2022 and 22-03-2022 Time: 03.00 p.m. to 05.00 p.m.

Workshop By: Prof. Sachin V. Bhagat

The link of online workshop will be sent to the students earlier through their what's app. group.

It is required for all commerce students to attend the workshop.

Dr. G. K. Khorgade,

Head, Dept. of Commerce, N.M.V.







#### ShikshanPrasarakMandal's

#### NABIRAMAHAVIDYALAYA,KATOL.

District: Nagpur (M.H.), Pin:441302.

Graduation & Post Graduation in Arts, Commerce, Science & Management

**Organizer**: Department of Commerce, Katol.

**Session** : 2021-22

Title : "Two day online workshop on: Interview Techniques and

Communication Skill"."

Date :  $21\03\2022$ . To  $22\03\2022$ .

Number of Beneficiaries: A totally 76 Student participated in two day

online workshop.

#### **Objective of the Program:**

1. To enhance the employability skills of the students.

- 2. To provide pre-placement training in soft skills to all students to enable them to appraise to the industry requirements.
- 3. Arrange workshop program by eminent personalities from industry, institute for the development of students.
- 4. To let students know the importance of interview techniques, group discussions, aptitude tests, CV writing, communication skill in industry.
- 5. Inspiring students to give a fear-free public talk on the stage.

#### **About of the Speaker/Guest:**

Prof. Sachin Bhagat (Shri. Sant Gajanan Maharaj Engineering collage, Shegaon)

## **Contents Cover in the Workshop:**

- 1. Personality Development.
- 2. Pre-placement training in soft skill to all student.
- 3. Interview Techniques.
- 4. Communication skill

#### **Description of the Program:**

Two day online workshop was organized by commerce department from 21\03\2022 to 22\03\2022. Prof. Sachin Bhagat (Sant Gajanan Maharaj Engineering Mahavidyalaya, Shegaon) was the key speaker. He guided students on various interview techniques and communication skill.

The number of 76 students participated in two day online workshop program. At the end of the lecture, on behalf of commerce department Mr. Mukesh Jadhao expressed his gratitude to Prof. Sachin Bhagat.

#### **Outcome of the Program:**

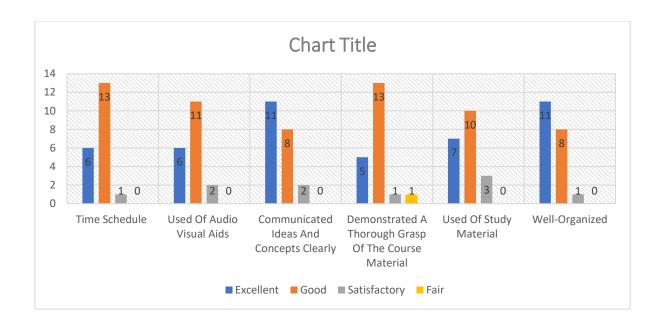
- 1. Students learnt the increasing importance of communication skill not only in industry but also in entire life.
- 2. They learnt the various tips and techniques to become successful in interview.
- 3. Students comes to know various aspect of improving the communication skill.

**List of the Students/ Attendees :** 76 students were attended the workshop on virtual platform i.e Zoom.

# Feedback Analysis:

Criteria	Excellent	Good	Satisfactory	Fair
Time Schedule	6	13	1	0
Used Of Audio Visual Aids	6	11	2	0
Communicated Ideas And Concepts Clearly	11	8	2	0
Demonstrated A Thorough Grasp Of The Course Material	5	13	1	01
Used Of Study Material	7	10	3	0
Well-Organized	11	8	1	0

# **Graphical Presentation:**



#### **Invitation Letter:**

# NABIRA MAHAVIDYALAYA, KATOL

# Distt. Nagpur (M.S.) Pin - 441 302

Graduation & Post Graduation in Arts, Commerce, Science & Management

Phone: 07112 - 222004 / 222164 Fax: 07112-222004

Email: nmv.college@rediffmail.com

Website: www.nabiracollegecampus.com

NMV/AO/EL

St 12/4/2022

NAAC'S

To,

Mr. Sachin V. Bhagat ,
Department of English ,
S. S. G. M. College Of Engineering,
Shegaon.

Subject – Invitation For Guest Lecture

Dear Sir,

Alumni Association N.M.V. is going to organize two days Online workshop on 'Communication Skill & Interview Technique' for our students. You are requested to kindly honor us by accepting our invitation to deliver a guest lecture in the workshop. Hope you will surely oblige us, the scheduled date for the lecture is 21<sup>st</sup> & 22<sup>nd</sup> March 2022 at 3.00 p.m. Kindly convey your acceptance at your earliest.

Thanking you.

Date 17-03-2022

Secretary, Alumni Association, N. M. V., Katol.

Secretary Alumni Association N.M.V., Katol Principal,

Dr. S. K. Navin N.M.V., Katol.

Principal Nabira Mahavidyalaya Katal.

## Appreciation Letter:

## NABIRA MAHAVIDYALAYA, KATOL NAAC'S

Distt. Nagpur (M.S.) Pin - 441 302

Graduation & Post Graduation in Arts, Commerce, Science & Management

Phone 07112 - 222004 / 222164 Fax: 07112-222004

Email nmv.college@redilfmail.com Website www.nabiracollegecampus.com

NAV/40/22

10/4/0022

Mr. Sachin V. Bhagat, Department of English, S. S. G. M. College of Engineering, Shegaon.

Subject - Letter of Appreciation

We would like to thank you heartedly for delivering a lecture for our students on the topic 'Communication Skill & Interview Technique' on the 21st & 22nd March 2022. The lecture was very informative and motivating for the students.

Thanking you,

23-03-2022

Secretary, Alumni Association, N. M. V., Katol.

Secretary Alumni Association N.M.V., Katol

on Box Principal, Dr. S. K. Navin N.M.V., Katol.

Principal Nabira Mahauldyalaya Karel.

Dr. G. K. Khorgade,

Dept. of Commerce, N.M.V.

## Nabira Mahavidyalaya, Katol. Department of Commerce

#### Notice

Date: 02-01-2022

All the students of commerce are hereby informed that, our department and alumni association of our college has decided to organize One Day Online Workshop on the topic "Higher Education and Career Opportunity".

Date: 06-01-2022

Time: 09.30 a.m. to 11.30 a.m.

Workshop By : Mr. Vishal Thakare

The link of online guest lecture will be sent to the students earlier through their what's app. group. It is required for all commerce students to attend the workshop.

For further details please contact with Dr. Punit. N. Raut

Dr. G. K. Khorgade,

Head, Dept. of Commerce, N.M.V







# Shikshan Prasarak Mandal's NABIRA MAHAVIDYALAYA, KATOL.

District: Nagpur (M.H.), Pin: 441302.

Graduation & Post Graduation in Arts, Commerce, Science & Management.

Organizer: Department of Commerce, Katol.

**Session** : 2021-22

Title : One Day Online Workshop on the topic "Higher Education in

**Changing Environment and Job Opportunity**".

**Date** : 06\01\2022.

Number of Beneficiaries : A totally 475 Student present for one day workshop program.

## **Objective of the Program:**

- 1. To know employment opportunity to higher education qualification.
- 2. Student inspiring or aim at dynamics career planning.
- 3. To inform about current situation in higher education.
- 4. Encouraging students to pursue higher education.

# **About of the Speaker/Guest:**

Mr. Vishal Thakare (Renowned Lecturer, Ekalavya Foundation.)

Mr. Akash Mokade (Coordinator, Eklavya Foundation.)

Mr. Gopal Gofane.

Mr. Vikesh Bhagat.

### **Contents Cover in the Program:**

- 1. Scenario in higher education
- 2. Career opportunities in higher education
- 3. Encouragement and motivation.
- 4. Problems and solution regarding employment.

#### **Description of the Program:**

Department of commerce conducted online one day workshop on "Higher Education in Changing Environment and Job Opportunity" dated on 06\01\2022. The workshop session was started by Mr Vishal Thakre (Renowned Lecture, Eklavya Foundation), and then by Mr. Akash Mokade (Coordinator, Eklavya Foundation). They directed and motivated to students about their career in higher education. At the end of programme Dr. Punit Raut expressed his gratitude.

## **Outcome of the Program:**

- 1. Students became aware about their career.
- 2. Enhancement of student's communication skill.
- 3. Resource person can help the students regarding career guidance and provide proper solution related to student's problems.
- 4. The confidence level of the students improved and it will be helpful them for preparing interviews and group discussions.

**List of the Students/ Attendees :** 475 students were attended the workshop on virtual platform i.e Zoom.

# **Photographs:**

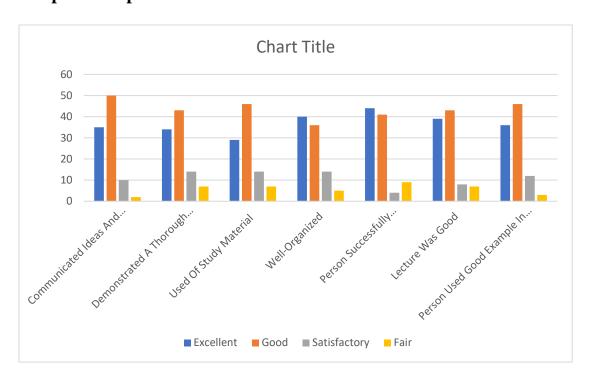


(Mr. Akash Modak While guiding in the Workshop on "Higher Education and Career Opportunity")

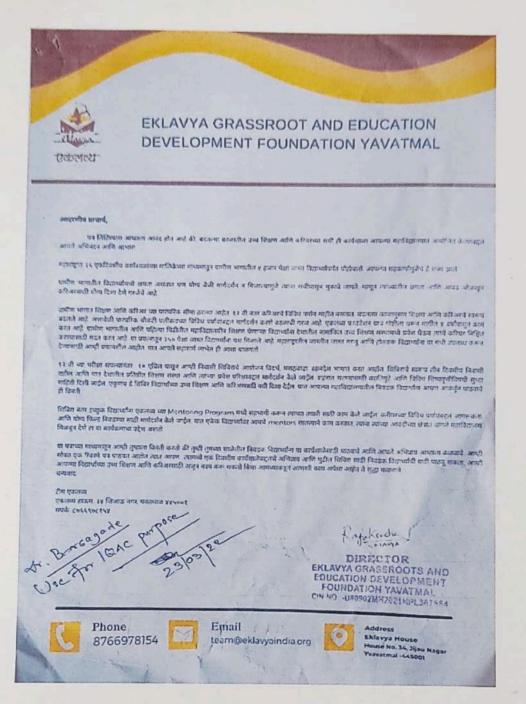
# Feedback with analysis:

Criteria	Excellent	Good	Satisfactory	Fair
Communicated Ideas And Concepts Clearly	35	50	10	2
Demonstrated A Thorough Grasp Of The Course Material	34	43	14	7
Used Of Study Material	29	46	14	7
Well-Organized	40	36	14	5
Person Successfully Encouraged Participates For Higher Studies	44	41	4	9
Lecture Was Good	39	43	8	7
Person Used Good Example In The Lecture	36	46	12	3

# **Graphical Representation:**



## **Appreciation Letter:**



THE REPORT OF THE PARTY OF THE

Dr. G. K. Khorgade,

Head, Dept. of Commerce, N.M.V.