

JNAN VIKAS MANDAL'S
Amratlal Raichand Mehta Degree College of Arts
DiwaliMaa Degree College of Science
Mohanalal Raichand Mehta College of Commerce
Padmashree(Dr.) R.T. Doshi Degree College of Computer Science
Plot no.9, Sector -19, Airoli Navi Mumbai

- Name of the activity – Certificate Course in “Science Spectrum” [Departmental Course]

- Members Involved –

1. Dr. Leena Sarkar [Principal & HOD]
2. Asst. Prof. Sandhya Patil
3. Asst. Prof. Harshada Niju
4. Dr. Prajakta Kadu
5. Asst. Prof. Savita Kumari
6. Dr. Shweta Rathore
7. Asst. Prof. Sagar Shinde
8. Asst. Prof. Pintoo Jaiswar
9. Asst. Prof. Nishant Bist
10. Dr. Kanika Pahawa
11. Mrs. Shubhangi Deotale





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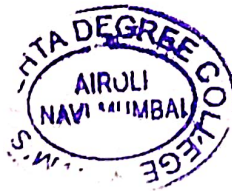
Date – 26/07/2023

NOTICE OF CERTIFICATE COURSE

All the students of F.Y.B.Sc. are hereby informed that the Certificate Course in “Science Spectrum” organized by the Department of Science will be commencing from Friday, 28th July 2023. This course is Free of Cost and will be helpful for students to have a thorough knowledge of new & advanced applications in basic sciences. So all the students are requested to be present for the course.

S. Shinde

Mr. Sagar Shinde
Convenor



Leena

Dr. Leena Sarkar
Principal & Chairperson



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Date: 26/04/2023

NOTICE

All faculties of the Science Department are hereby informed that a meeting has been scheduled on 27th April 2023 at 11.00 am in conference room.

All the members are requested to be present for the same.

AGENDA

1. To read and confirm the minutes of the last meeting
2. To review the progress of syllabus completion
3. To review activities done in academic year 2022-23
4. To finalize next academic year calendar
5. Any other matter with the permission of Chairperson.



Leena
Dr. Leena Sarkar.

Principal
PRINCIPAL

JNAN VIKAS MANDAL'S
M.R. MEHTA COLLEGE OF COMMERCE
D.M. DEGREE COLLEGE OF SCIENCE
A.R. MEHTA COLLEGE OF ARTS
Dr. R.T. DOSHI COLLEGE OF COMPUTER SCIENCE
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NAVI MUMBAI-400 709



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Date: 27/04/2023

Minutes of Meeting

Science departmental meeting was held on 27th April 2023 in conference room at 11.00 am. The meeting was presided over by the Principal Dr. Leena Sarkar.

In the meeting following points were discussed and decisions were taken.

- Reading of minutes of last meeting was done by Mrs. Sadhya Patil.
- Checking of activities done in academic year 2022-23: We discussed about the activities completed in the academic year 2022-23 from academic calendar.
- Principal noted all completed and pending activity report and told everyone to submit one copy in office after duly signed by Principal.
- Syllabus completion follow-up was taken from members.
- Certificate course was cancelled due to NAAC work and vacations were started for first and second year students.



- For next academic year 2023-24, we discussed about activities and courses to be conducted and finalized them month wise for preparing academic calendar.

Month	Activities	Incharge	Date	Department
June	1. Bridge Course- S.Y. Bridge Course- T.Y.	S.R S.K	Second week	Science
	2. Certificate Course- S.Y. Certificate Course - T.Y.	P.K S.P	Third week	
July	1. F.Y Orientation		As per University Circular	Science
	2. Chemistry Alumni talk	S.K	Fourth week	Science- Chemistry
	3. Bridge Course- F.Y. Certificate Course- F.Y	S.S S.S	Third Week Fourth Week	Science Science
Aug	1. Poster Presentation	P.K	Fourth week	Science- Zoology
	2. Fire safety drill	S.R	Third week	Science- Chemistry
Sept	1. Expert Guidance Talk	S.S	Third week	Science- Physics
	2. Social activity	P.K	Fourth week	Science- Zoology & REDC
Oct	1. Academic Expert Talk	S.P	Second week	Science- Chemistry
	2. Seminar – M.Sc I & II		Second week	Science- Chemistry
Nov	1. Bridge Course- S.Y. Bridge Course- T.Y.	P.J H.N	Third Week	Science
	2. Certificate Course- S.Y. Certificate Course - T.Y.	K.P S.R		
	3. World Science Day – Online Quiz	S.S	10 th Nov. 2023	Science- Physics
Dec	1. Chemistry Day	S.R	10 th Dec. 2023	Science- Chemistry
	2. Mathematics Day	P.J	22 nd Dec 2023	Science-Mathematics
	3. Sci- Tech (Convenor)	N.B	Second week	Science
	4. Industrial Visit	P.J + S.R	Second week	Science
Jan	1. Maths Magic	P.J	11 th Jan 2024	Science-Mathematics
	2. Visit to premium Institute for M.Sc students	S.K	Second week	Science- Chemistry
Feb	1. National Science Day	N.B	28 th Feb 2024	Science- Physics
	2. Wet Land Day	K.P	2 nd Feb 2024	Science- Zoology + Eco Club
March	1. Academic Expert Talk	S.K	Second week	Science- Chemistry

H.N – Mrs. Harshada Niju S.P – Mrs. Sandhya Patil

S.R – Mrs. Shweta Rathore P.K. – Dr.Prajakta Kadu

N.B – Mr. Nishant Bist K.P. - Dr. Kanika Pahwa

S.K – Miss Savita Kumari

S.S – Mr. Sagar Shinde

P.J. - Mr. Pintoo Jaiswar



The following members were present in the meeting.

Dr. Leena Sarkar (Principal) *Leena*

Dr. Prajka Kadu *Pra*

Mrs. Harshada Niju

Mrs. Sandhya Patil *Sandhya*

Ms. Savita K. *Savita*

Dr. Shweta Rathore *Shweta*

Mr. Sagar Shinde *Sagar*

Mr. Nishant Bist *Nishant*

Mr. Pintoo Jaiswar

Dr. Kanika Pahwa *Kanika*

Sagar

Prepared by,
Asst. Prof. Sagar Shinde
Physics Dept.



Leena

Dr. Leena Sarkar.

Principal

PRINCIPAL

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M.R. MEHTA COLLEGE OF COMMERCE

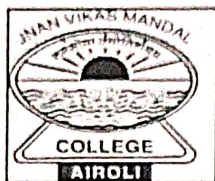
D.M. COLLEGE OF SCIENCE

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SCIENCE DEPARTMENT

CERTIFICATE COURSE CONTENT- 2023-24

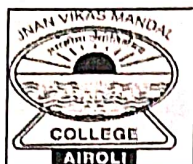
LEVEL-I (For F.Y.B.Sc.) 28th July- 7th August 2023

	MODULE - 1	10 Hrs.
1.1.	Applications of Applied Physics	S.S
1.2.	Communications	S.S
1.3.	Transducers	S.S
1.4	Application of Communications	S.S
1.5	Rescaling our solar system & perspective to look at speed of light.	N.B
1.6	Essense of Pi	N.B
1.7	Golden ratio	N.B
1.8	Revisiting the Newtons law & Manipulating the center of mass for balancing pen on finger tip	N.B
	MODULE-2	10 Hrs.
2.1.	Science behind Immunology	P.K
2.2	Human Immune system	P.K
2.3	Barriers of immunity	P.K
2.4	Types of immunity	P.K
2.5	Aquaponics	K.P.
2.6	Hydroponics	K.P.



2.7	Animal World	K.P.
2.8	Animal Behaviour	K.P.
	MODULE-3	10 Hrs.
3.1.	Industrial applications of chemistry	S.P.
3.2.	Industrial applications of chemistry	S.P.
3.3	Basics of performing organic experiments I	S.K.
3.4	Basics of performing organic experiments II	S.K.
3.5	Standardization and working of instruments: pH meter, Conductometer	H.N
3.6	Standardization and working of instruments: Potentiometer and Colorimeter	H.N
3.7	Chemistry of Retinol	S.R
3.8	Chemistry of Retinol	S.R
	MODULE- 4	10 Hrs.
4.1	Basics of numbers	P.J
4.2	Sum of linear numbers	P.J
4.3	Sum of quadratic numbers	P.J
4.4	Sum of cubic numbers	P.J
4.5	Function	S.D
4.6	Derivatives	S.D
4.7	Integration	S.D
4.8	Definite Integration	S.D





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F.Y.B.Sc Certificate Course [2023-24]

“Science Spectrum”

OBJECTIVES OF THE COURSE -

- Introduce first-year degree college students to the diverse scientific fields of physics, chemistry, zoology, and math.
- To acquire knowledge of recent developments in sciences
- Cultivate critical thinking and problem-solving abilities to tackle scientific challenges.
- Establish a broad understanding of the interconnectedness and spectrum of scientific knowledge.
- To understand new concepts developed in sciences
- To learn significance of application of new developments in sciences
- Encourage collaborative learning and teamwork among students from different scientific backgrounds

COURSE OUTCOME -

- Unleash our creativity by integrating knowledge from different fields to solve complex problems, widening our horizons as aspiring scientists.
- Students understood basic skills and new principles of sciences



- It develop ability to understand and demonstrate new development in sciences
- Unveil our potential to conquer scientific challenges with an interdisciplinary approach, proving our adaptability and ingenuity.
- It will expose students to multi-faceted new options after pursuing pure sciences
- Students cultivate the ability to work with new development in science and technology
- Equip ourselves with the knowledge and readiness to continue our scientific journey at the degree level, embarking on specialized studies with zeal and purpose.

COURSE DURATION -

- 40 Lectures of 1 week [per day 6 Lectures and 4 lect. for assessment]

ASSESSMENT –

- Exam – The most important part of assessment is the exam which will be conducted at the end of the certificate course through which students can check their IQ related to the subject.
- Attendance – This will help students to maintain flow in their learning concepts.
- Active Participation – This will improve student's communication and alertness and will learn the things related to the topic.

EARN A CERTIFICATE –

- Certificates were given to all the students who scored 40% and above marks.





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F.Y.B.Sc 2023-24 Certificate Course " Science Spectrum "

Attendance

Date - 28/07/2023

	Teacher's Initial	S.O.S	K.P	S.D	H.N	Assign
Sr.No	PCZ	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5
	Name of Student	Sign	Sign	Sign	Sign	Sign
1	Priya Arjun Sharma	<u>Pharma</u>	<u>Pharma</u>	<u>Pharma</u>	<u>Pharma</u>	P
2	Chinmay Sandeep Karode	A	A	A	A	A
3	Mandar Desai	<u>Mandar</u>	<u>Mandar</u>	<u>Mandar</u>	A	A
4	Ved Vijay Patil	A	A	A	A	A
5	Rohit Giri	Rgiri	Rgiri	Rgiri	Rgiri	P
6	Yash Hosla Prasad Tiwari	A	A	A	A	A
7	Sanika Krishna Patil	<u>Sanika Patil</u>	<u>Sanika Patil</u>	<u>Sanika Patil</u>	A	A
8	Koyall Sonawane	<u>Koyall Sonawane</u>	<u>Koyall Sonawane</u>	<u>Koyall Sonawane</u>	A	A
9	Omkar Raut	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	P
10	Sai Sitaram Kadam	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	P
11	Sairaj Anil Gaonkar	<u>Gaonkar</u>	<u>Gaonkar</u>	<u>Gaonkar</u>	<u>Gaonkar</u>	P
12	Sneha Gupta	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	P
13	Gauri Dadaso Mohite	<u>Mohite</u>	<u>Mohite</u>	<u>Mohite</u>	<u>Mohite</u>	P
14	Dhruvika Prakash Patil	A	A	A	A	A
15	Dhairya Prakash Patil	A	A	A	A	A
16	Sharma-Priya Arjun					
17	Prem Rajendra Salve	<u>Salve</u>	<u>Salve</u>	<u>Salve</u>	<u>Salve</u>	P
18	Priyanka Chandrakant Doiphode	<u>Doiphode</u>	<u>Doiphode</u>	<u>Doiphode</u>	<u>Doiphode</u>	P
19	Ambuja Yadav	A	A	A	A	A
20	Sujal Poi	<u>Poi</u>	<u>Poi</u>	<u>Poi</u>	<u>Poi</u>	P





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Attendance

Sr.No	PCZ	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5
	Name of Student	Sign	Sign	Sign	Sign	Sign
21	Sanika Suryawanshi	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>	P
22	RAJNANDANI VISHWAKARMA	<i>Raj</i>	<i>Raj</i>	<i>Raj</i>	<i>Raj</i>	P
23	ANCHAL CHAUHAN	<i>Anchal</i>	<i>Anchal</i>	<i>Anchal</i>	<i>Anchal</i>	P
24	Rahul Kushwaha	Rahul	Rahul	A	A	A
25	Angel Furtado	A	<i>Angel</i>	<i>Angel</i>	<i>Angel</i>	P
26	Rahul Kushwaha	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	A	A
27	A	A				
28	A					
29	A					
30	q					
31	q					
32	q					
33	q					
34	q					
35	A	A	A	A	A	A





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F.Y.B.Sc 2023-24 Certificate Course " Science Spectrum"

Attendance

Date - 28/07/2023

	Teacher's Initial	SS	KP	SD	HN	
Sr. No	PCM	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5
	Name of Student	Sign	Sign	Sign	Sign	Sign
1	Anish Yadav	Anish	Anish	Anish	A	A
2	Omkar Tukaram Savaratkar	A	A	A	A	A
3	Vikrant Nilesh kulkarni	Vikrant	Vikrant	Vikrant	Vikrant	P
4	Heena Arjunram Dewasi	Heena	Heena	Heena	Heena	P
5	Usha Devilal Suthar	Usha	Usha	Usha	Usha	P
6	Ruby Ram	Ruby	Ruby	Ruby	Ruby	P
7	Mohini Rumade	A	A	A	A	A
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F.Y.B.Sc 2023-24 Certificate Course " Science Spectrum "

Attendance

Date - 31/07/2023

Sr.No	Teacher's Initial	SR	PK	NS	SR	P.T	SS
PCZ		Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5	Lec 6
Name of Student	Sign	Sign	Sign	Sign	Sign	Sign	Sign
1	Priya Arjun Sharma	Sharma	Sharma	Sharma	Sharma	Sharma	Sharma
2	Chinmay Sandeep Karode	Karode	Karode	Karode	Karode	Karode	Karode
3	Mandar Desai	Mandar	Mandar	A	A	A	
4	Ved Vijay Patil	A	A	A	A	A	
5	Rohit Giri	Giri	Giri	P	P	P	
6	Yash Hosla Prasad Tiwari	Yash	Yash	A	A	A	
7	Sanika Krishna Patil	Sanika Patil	Sanika Patil	A	A	A	
8	Koyall Sonawane	Koyall Sonawane	Koyall Sonawane	A	A	A	
9	Omkar Raut	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar
10	Sai Sitaram Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam
11	Sairaj Anil Gaonkar	Gaonkar	Gaonkar	Gaonkar	Gaonkar	Gaonkar	Gaonkar
12	Sneha Gupta	Sneha	Sneha	Sneha	Sneha	Sneha	
13	Gauri Dadaso Mohite	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri
14	Dhruvika Prakash Patil	Dhruvika Patil	Dhruvika Patil	Dhruvika Patil	Dhruvika Patil	Dhruvika Patil	
15	Dhairya Prakash Patil	Dhairya Patil	Dhairya Patil	Dhairya Patil	Dhairya Patil	Dhairya Patil	
16	Sharma Priya Arjun						
17	Prem Rajendra Salve	Salve	Salve	A	A	A	
18	Priyanka Chandrakant Doiphode	Priyanka Doiphode	Priyanka Doiphode	Priyanka Doiphode	Priyanka Doiphode	Priyanka Doiphode	
19	Ambuja Yadav	Ambuja	Ambuja	Ambuja	Ambuja	Ambuja	Ambuja
20	Sujal Poi	Sujal Poi	Sujal Poi	Sujal Poi	Sujal Poi	Sujal Poi	





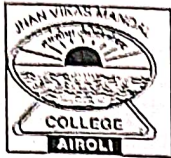
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Attendance

JS

Sr.No	PCZ	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5
	Name of Student	Sign	Sign	Sign	Sign	Sign
21	Sanika Suryawanshi	A	A	A	A	A
22	ANCHAL CHAUHAN	<i>Anchal</i>	<i>Anchal</i>	<i>Anchal</i>	<i>Anchal</i>	<i>Anchal</i>
23	Pratiksha Khochane	<i>Pratiksha</i>	<i>Pratiksha</i>	<i>Pratiksha</i>	<i>Pratiksha</i>	<i>Pratiksha</i>
24	RAJNANDANI VISHWAKAMA	<i>Raj</i>	<i>Raj</i>	<i>Raj</i>	<i>Raj</i>	<i>Raj</i>
25	Rahul Kushwaha	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>
26	Prasenjeet Gokwad	<i>Prasenjeet</i>	<i>Prasenjeet</i>	<i>Prasenjeet</i>	A	A
27	Dinesh Arun Patil	<i>Dinesh</i>	<i>Dinesh</i>	<i>Dinesh</i>	A	A
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Sr. No	PCM	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5	
Name of Student		Sign	Sign	Sign	Sign	Sign	
1	Anish Yadav	A	A	A	A	A	
2	Omkar Tukaram Savaratkar	Omkar	Omkar	A	A	A	
3	Vikrant Nilesh kulkarni	Vikrant	Vikrant	Vikrant	Vikrant	Vikrant	Vikrant
4	Heena Arjunram Dewasi	Heena	Heena	P Heena	Heena	P Heena	Heena
5	Usha Devilal Suthar	Usha	Usha	P Usha	Usha	Usha	Usha
6	Ruby Ram	Ruby	Ruby	P Ruby	Ruby	P Ruby	Ruby
7	Mohini Rumade	MR	MR	MR	MR	MR	MR
8	Gaurav Nanghane	A	A	P	A	A	
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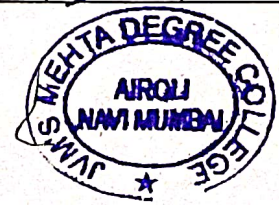
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Attendance 1/08/2023

Date - 1/08/23

	Teacher's Initial	SS	PJ	N. B	K. P	S. P	H. N
Sr.No	PCZ	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5	
	Name of Student	Sign	Sign	Sign	Sign	Sign	
1	Priya Arjun Sharma	<i>Pharma</i>	<i>Pharma</i>	<i>Pharma</i>	<i>Pharma</i>	<i>Pharma</i>	<i>Pharma</i>
2	Chinmay Sandeep Karode	<i>Karode</i>	<i>Karode</i>	<i>Karode</i>	<i>Karode</i>	<i>Karode</i>	<i>Karode</i>
3	Mandar Desai	A	A	A	A	A	
4	Ved Vijay Patil	A	A	A	A	A	
5	Rohit Giri	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	
6	Yash Hosla Prasad Tiwari	A	A	A	A	A	
7	Sanika Krishna Patil	A	A	A	A	A	
8	Koyall Sonawane	A	A	A	A	A	
9	Omkar Raut	<i>Omkar</i>	<i>Omkar</i>	<i>Omkar</i>	<i>Omkar</i>	<i>Omkar</i>	<i>Omkar</i>
10	Sai Sitaram Kadam	<i>Kadam</i>	<i>Kadam</i>	<i>Kadam</i>	<i>Kadam</i>	<i>Kadam</i>	<i>Kadam</i>
11	Sairaj Anil Gaonkar	<i>Gaonkar</i>	<i>Gaonkar</i>	<i>Gaonkar</i>	<i>Gaonkar</i>	<i>Gaonkar</i>	<i>Gaonkar</i>
12	Sneha Gupta	A	A	A	A	A	
13	Gauri Dadaso Mohite	<i>Gauri</i>	<i>Gauri</i>	<i>Gauri</i>	<i>Gauri</i>	<i>Gauri</i>	<i>Gauri</i>
14	Dhruvika Prakash Patil	<i>Dhruvika</i>	<i>Dhruvika</i>	<i>Dhruvika</i>	<i>Dhruvika</i>	<i>Dhruvika</i>	<i>Dhruvika</i>
15	Dhairya Prakash Patil	<i>Dhairya</i>	<i>Dhairya</i>	<i>Dhairya</i>	<i>Dhairya</i>	<i>Dhairya</i>	<i>Dhairya</i>
16	Sharma Priya Arjun						
17	Prem Rajendra Salve	<i>Salve</i>	<i>Salve</i>	<i>Salve</i>	<i>Salve</i>	<i>Salve</i>	
18	Priyanka Chandrakant Doiphode	A	A	A	A	A	
19	Ambuja Yadav	<i>Ambuja</i>	<i>Ambuja</i>	<i>Ambuja</i>	<i>Ambuja</i>	<i>Ambuja</i>	<i>Ambuja</i>
20	Sujal Poi	<i>Sujal</i>	<i>Sujal</i>	<i>Sujal</i>	<i>Sujal</i>	<i>Sujal</i>	





JNAN VIKAS MANDAL'S
 Amritlal Raichand Mehta Degree College of Arts
 DiwaliMaa Degree College of Science
 Mohanlal Raichand Mehta College of Commerce
 Padmasree (Dr.) R.T. Doshi Degree College of Computer Science
 Plot no.9, Sector -19, Airoli , Navi Mumbai

Attendance

Sr.No	PCZ	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5
	Name of Student	Sign	Sign	Sign	Sign	Sign
21	Sanika Suryawanshi	A	A	A	A	A
22	Rahul Keshwaha	Rahul	Rahul	Rahul	Rahul	Rahul
23	Erros	A	A	A	A	A
24	Chetan Charan	chetan	chetan	chetan	chetan	chetan
25	Prasenjeed Gaikwad	Prasenjeed	Prasenjeed	Prasenjeed	Prasenjeed	Prasenjeed
26	Dinosh Patil	Dinosh	Dinosh	Dinosh	Dinosh	Dinosh
27	ANCHAL CHAUHAN	Anchal	Anchal	Anchal	Anchal	Anchal
28	Pratiksha Khochame	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha
29	Angel Furtado	Angel	Angel	Angel	Angel	Angel
30	RAJNANDANI VISHWAKAMA	Rajnandani	Rajnandani	Rajnandani	Rajnandani	Rajnandani
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JNAN VIKAS MANDAL'S
 Amritlal Raichand Mehta Degree College of Arts
 DiwaliMaa Degree College of Science
 Mohanlal Raichand Mehta College of Commerce
 Padmasree (Dr.) R.T. Doshi Degree College of Computer Science
 Plot no.9, Sector -19, Airoli , Navi Mumbai

F.Y.B.Sc 2023-24 Certificate Course " Science Spectrum"

Attendance

Date - 1 / 8 / 2023

	Teacher's Initial	SS	PJ	NB	KP	SP	NN
Sr. No	PCM	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5	
	Name of Student	Sign	Sign	Sign	Sign	Sign	
1	Anish Yadav	<i>Anish</i>	A	A	A	A	
2	Omkar Tukaram Savaratkar	<i>Omkar</i>	A	A	A	A	
3	Vikrant Nilesh kulkarni	<i>Vikrant</i>	<i>Vikrant</i>	<i>Vikrant</i>	<i>Vikrant</i>	<i>Vikrant</i>	<i>Vikrant</i>
4	Heena Arjunram Dewasi	<i>Heena</i>	<i>Heena</i>	<i>Heena</i>	<i>Heena</i>	<i>Heena</i>	<i>Heena</i>
5	Usha Devilal Suthar	<i>Usha</i>	<i>Usha</i>	<i>Usha</i>	<i>Usha</i>	<i>Usha</i>	<i>Usha</i>
6	Ruby Ram	<i>Ruby</i>	<i>Ruby</i>	<i>Ruby</i>	<i>Ruby</i>	<i>Ruby</i>	<i>Ruby</i>
7	Mohini Rumade	A	A	A	A	A	
8	Gausav. S. Naughane	<i>Gausav</i>	<i>Gausav</i>	<i>Gausav</i>	<i>Gausav</i>	<i>Gausav</i>	
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Mohanlal Raichand Mehta College of Commerce
Padmasree (Dr.) R.T. Doshi Degree College of Computer Science
Plot no.9, Sector -19, Airoli , Navi Mumbai

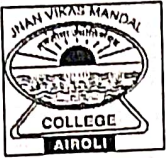
F.Y.B.Sc 2023-24 Certificate Course " Science Spectrum"

Attendance

Date 02/08/2023

	Teacher's Initial	SD	SS	P.J.	KP	SP	Assgn
Sr.No	PCZ	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5	
	Name of Student	Sign	Sign	Sign	Sign	Sign	
1	P Priya Arjun Sharma	<u>Pharma</u>	<u>Pharma</u>	<u>Pharma</u>	<u>Pharma</u>	<u>Pharma</u>	<u>Pharma</u>
2	Chinmay Sandeep Karode	A	A	A	A	A	
3	Mandar Desai	A	A	A	A	A	
4	Ved Vijay Patil	A	A	A	A	A	
5	Rohit Giri	A	A	A	A	A	
6	Yash Hosla Prasad Tiwari	<u>Yash</u>	<u>Yash</u>	A	A	A	
7	Sanika Krishna Patil	A	A	A	A	A	
8	Koyall Sonawane	A	A	A	A	A	
9	Omkar Raut	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>
10	Sai Sitaram Kadam	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>
11	Sairaj Anil Gaonkar	<u>Gaonkar</u>	<u>Gaonkar</u>	<u>Gaonkar</u>	<u>Gaonkar</u>		
12	Sneha Gupta	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	
13	Gauri Dadaso Mohite	<u>Gauri</u>	<u>Gauri</u>	<u>Gauri</u>	<u>Gauri</u>	<u>Gauri</u>	<u>Gauri</u>
14	Dhruvika Prakash Patil	A	A	A	A	A	
15	Dhairya Prakash Patil	<u>Dhairya</u>	<u>Dhairya</u>	<u>Dhairya</u>	<u>Dhairya</u>	<u>Dhairya</u>	<u>Dhairya</u>
16	Sharma-Priya-Arjun	A	A	A	A	A	
17	Prem Rajendra Salve	<u>Salve</u>	<u>Salve</u>	A	A	A	
18	Priyanka Chandrakant Doiphode	<u>Doiphode</u>	<u>Doiphode</u>	<u>Doiphode</u>	<u>Doiphode</u>	<u>Doiphode</u>	<u>Doiphode</u>
19	Ambuja Yadav	<u>Ambuja</u>	<u>Ambuja</u>	<u>Ambuja</u>	<u>Ambuja</u>	<u>Ambuja</u>	<u>Ambuja</u>
20	Sujal Poi	<u>Poi</u>	<u>Poi</u>	<u>Poi</u>	<u>Poi</u>	<u>Poi</u>	





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 Padmasree (Dr.) R.T. Doshi Degree College of Computer Science
 Plot no.9, Sector -19, Airoli , Navi Mumbai

Attendance

02/08/20

Sr.No	PCZ	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5
	Name of Student	Sign	Sign	Sign	Sign	Sign
21	Sanika Suryawanshi	A	A	A	A	A
22	Prasenjeed Gaikwad	Prasenjeed	Prasenjeed	A	A	A
23	Dinash Patil	Dinash	Dinash	A	A	A
24	Chetan Charan	Chetan	Chetan	Chetan	Chetan	Chetan
25	Rahul Kushwaha	Rahul	Rahul	Rahul	Rahul	Rahul
26	Priyanka N. Nagarji	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
27	Angel Furtado	Angel	Angel	Angel	Angel	Angel
28	RAJNANDANI VISHWAKARMA	Rajndani	Rajndani	Rajndani	Rajndani	Rajndani
29	ANCHAL CHAUHAN	Anchal	Anchal	Anchal	Anchal	Anchal
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Plot no.9, Sector -19, Airoli , Navi Mumbai

F.Y.B.Sc 2023-24 Certificate Course " Science Spectrum"

Attendance

Date - 02/08/2023

	Teacher's Initial	SP	SS	PJ	KP	SP
Sr. No	PCM	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5
	Name of Student	Sign	Sign	Sign	Sign	Sign
1	Anish Yadav	Anish	Anish	Anish	A	A
2	Omkar Tukaram Savaratkar	Omkar	Omkar	Omkar	Omkar	Omkar
3	Vikrant Nilesh kulkarni	Vikrant	Vikrant	Vikrant	Vikrant	Vikrant
4	Heena Arjunram Dewasi	A	A	A	A	A
5	Usha Devilal Suthar	Usha	Usha	Usha	Usha	Usha
6	Ruby Ram	Ruby	Ruby	Ruby	Ruby	Ruby
7	Mohini Rumade	A	A	A	A	A
8	Gurav. S. Naughane	Gurav	Gurav	A	A	A
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Assign

~~Vikrant~~

~~Usha~~
Ruby





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 Padmasree (Dr.) R.T. Doshi Degree College of Computer Science
 Plot no.9, Sector -19, Airoli , Navi Mumbai

F.Y.B.Sc 2023-24 Certificate Course " Science Spectrum"

Attendance

Date - 3/08/2023

	Teacher's Initial	PK	PR	SD	KP	SR	Assign
Sr.No	PCZ	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5	
	Name of Student	Sign	Sign	Sign	Sign	Sign	
1	Priya Arjun Sharma	<i>Pharma</i>	<i>Pharma</i>	<i>Pharma</i>	<i>Pharma</i>	<i>Pharma</i>	<i>Pharma</i>
2	Chinmay Sandeep Karode	<i>Karode</i>	<i>Karode</i>	<i>Karode</i>	<i>Karode</i>	<i>Karode</i>	
3	Mandar Desai	A	A	A	A	A	
4	Ved Vijay Patil	A	A	A	A	A	
5	Rohit Giri	<i>Rgiri</i>	<i>Rgiri</i>	<i>Rgiri</i>	<i>Rgiri</i>	<i>Rgiri</i>	
6	Yash Hosla Prasad Tiwari	<i>yash</i>	<i>yash</i>	A	<i>yash</i>	AAb	
7	Sanika Krishna Patil	A	A	A	A	Afb	
8	Koyall Sonawane	A	A	A	A	AAb.	
9	Omkar Raut	<i>Oraut</i>	<i>Oraut</i>	<i>Oraut</i>	<i>Oraut</i>	<i>Oraut</i>	<i>Oraut</i>
10	Sai Sitaram Kadam	<i>Badam</i>	<i>Badam</i>	<i>Badam</i>	<i>Badam</i>	<i>Badam</i>	<i>Badam</i>
11	Sairaj Anil Gaonkar	<i>Bankar</i>	<i>Bankar</i>	<i>Bankar</i>	<i>Bankar</i>	<i>Bankar</i>	<i>Bankar</i>
12	Sneha Gupta	A	A	A	A	A	
13	Gauri Dadaso Mohite	<i>Lawri</i>	<i>Lawri</i>	<i>Lawri</i>	<i>Lawri</i>	<i>Lawri</i>	<i>Lawri</i>
14	Dhruvika Prakash Patil	<i>Patil Dhruvika</i>	<i>Patil Dhruvika</i>	<i>Patil Dhruvika</i>	<i>Patil Dhruvika</i>	<i>Patil Dhruvika</i>	<i>Patil Dhruvika</i>
15	Dhairya Prakash Patil	<i>Patil Dhairya</i>	<i>Patil Dhairya</i>	<i>Patil Dhairya</i>	<i>Patil Dhairya</i>	<i>Patil Dhairya</i>	<i>Patil Dhairya</i>
16	Sharma Priya Arjun						
17	Prem Rajendra Salve	A	A	A	A	AbA	
18	Priyanka Chandrakant Doiphode	A	A	A	A	AbA	
19	Ambuja Yadav	<i>Ambuja</i>	<i>Ambuja</i>	<i>Ambuja</i>	<i>Ambuja</i>	<i>Ambuja</i>	<i>Ambuja</i>
20	Sujal Poi	<i>Spoi</i>	<i>Spoi</i>	<i>Spoi</i>	<i>Spoi</i>	<i>Spoi</i>	<i>Spoi</i>





JNAN VIKAS MANDAL'S
 Amritlal Raichand Mehta Degree College of Arts
 DiwaliMaa Degree College of Science
 Mohanlal Raichand Mehta College of Commerce
 Padmasree (Dr.) R.T. Doshi Degree College of Computer Science
 Plot no.9, Sector -19, Airoli , Navi Mumbai

Attendance

Sr.No	PCZ	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5
	Name of Student	Sign	Sign	Sign	Sign	Sign
21	Sanika Suryawanshi	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>
22	Prasenjeet R. (Ravi) Kward	<i>Prasenjeet</i>	<i>Prasenjeet</i>	A	<i>Prasenjeet</i>	<i>Prasenjeet</i>
23	Rahul Koshwaha	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>
24	RAJNANDANI VISHWAKARMA	<i>Rajnadani</i>	<i>Rajnadani</i>	<i>Rajnadani</i>	<i>Rajnadani</i>	<i>Rajnadani</i>
25	Angel Furstado	<i>Angel</i>	<i>Angel</i>	<i>Angel</i>	<i>Angel</i>	<i>Angel</i>
26	Pratiksha Khechore	<i>Pratiksha</i>	<i>Pratiksha</i>	<i>Pratiksha</i>	<i>Pratiksha</i>	<i>Pratiksha</i>
27	Dinesh A. Patil	<i>Dinesh</i>	<i>Dinesh</i>	<i>Dinesh</i>	<i>Dinesh</i>	AAb
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 Amritlal Raichand Mehta Degree College of Arts
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 Mohanlal Raichand Mehta College of Commerce
 Padmasree (Dr.) R.T. Doshi Degree College of Computer Science
 Plot no.9, Sector -19, Airoli , Navi Mumbai

F.Y.B.Sc 2023-24 Certificate Course " Science Spectrum "

Attendance

Date - 03/08/2023

	Teacher's Initial	PK	PR	SD	KP	SR	
Sr. No	PCM	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5	
	Name of Student	Sign	Sign	Sign	Sign	Sign	
1	Anish Yadav	A	A	A	A	Ab	
2	Omkar Tukaram Savaratkar	Suttor	Suttor	Suttor	Suttor	AAb	
3	Vikrant Nilesh kulkarni	Vikrant	Vikrant	Vikrant	Vikrant	Vikrant	Vikrant
4	Heena Arjunram Dewasi	Heena	Heena	Heena	Heena	Heena	Heena
5	Usha Devilal Suthar	Usha	Usha	Usha	Usha	Usha	Usha
6	Ruby Ram	Ruby	Ruby	Ruby	Ruby	Ruby	Ruby
7	Mohini Rumade	A	A	A	A	AA	
8	Priyanka Nimal Nagarji	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
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JNAN VIKAS MANDAL'S
Amritlal Raichand Mehta Degree College of Arts
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Mohanlal Raichand Mehta College of Commerce
Padmasree (Dr.) R.T. Doshi Degree College of Computer Science
Plot no.9, Sector -19, Airoli , Navi Mumbai

F.Y.B.Sc 2023-24 Certificate Course " Science Spectrum "

Attendance

Date - 04/08/23

	Teacher's Initial	SS	PJ	NB	KP	SP	Assign
Sr.No	PCZ	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5	
	Name of Student	Sign	Sign	Sign	Sign	Sign	
1	P Priya Arjun Sharma	<u>Sharma</u>	<u>Sharma</u>	<u>Sharma</u>	<u>Sharma</u>	<u>Sharma</u>	<u>Sharma</u>
2	P Chinmay Sandeep Karode	<u>Karode</u>	<u>Karode</u>	<u>Karode</u>	<u>Karode</u>	<u>Karode</u>	<u>Karode</u>
3	P Mandar Desai	<u>Mandar</u>	<u>Mandar</u>	<u>Mandar</u>	<u>Mandar</u>	A	
4	P Ved Vijay Patil	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	A	
5	P Rohit Giri	<u>Giri</u>	<u>Giri</u>	A	A	A	
6	P Yash Hosla Prasad Tiwari	<u>Yash</u>	<u>Yash</u>	<u>Yash</u>	<u>Yash</u>	A	
7	A Sanika Krishna Patil	A	A	A	A	A	
8	P Koyall Sonawane	A	A	A	A	A	
9	P Omkar Raut	<u>Omkar</u>	<u>Omkar</u>	<u>Omkar</u>	<u>Omkar</u>	<u>Omkar</u>	<u>Omkar</u>
10	P Sai Sitaram Kadam	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>
11	P Sairaj Anil Gaonkar	<u>Sairaj</u>	<u>Sairaj</u>	<u>Sairaj</u>	<u>Sairaj</u>	A	
12	P Sneha Gupta	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>
13	P Gauri Dadaso Mohite	<u>Gauri</u>	<u>Gauri</u>	<u>Gauri</u>	<u>Gauri</u>	<u>Gauri</u>	<u>Gauri</u>
14	P Dhruvika Prakash Patil	<u>Dhruvika</u>	<u>Dhruvika</u>	<u>Dhruvika</u>	<u>Dhruvika</u>	<u>Dhruvika</u>	<u>Dhruvika</u>
15	P Dhairya Prakash Patil	<u>Dhairya</u>	<u>Dhairya</u>	<u>Dhairya</u>	<u>Dhairya</u>	<u>Dhairya</u>	<u>Dhairya</u>
16	Sharma Priya Arjun						
17	P Prem Rajendra Salve	<u>Salve</u>	<u>Salve</u>	A	A	A	
18	P Priyanka Chandrakant Doiphode	<u>Doiphode</u>	<u>Doiphode</u>	<u>Doiphode</u>	<u>Doiphode</u>	<u>Doiphode</u>	<u>Doiphode</u>
19	P Ambuja Yadav	<u>Ambuja</u>	<u>Ambuja</u>	<u>Ambuja</u>	<u>Ambuja</u>	<u>Ambuja</u>	<u>Ambuja</u>
20	P Sujal Poi	<u>Poi</u>	<u>Poi</u>	<u>Poi</u>	<u>Poi</u>	<u>Poi</u>	<u>Poi</u>





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 Plot no.9, Sector -19, Airoli , Navi Mumbai

Attendance

Sr.No	PCZ	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5
	Name of Student	Sign	Sign	Sign	Sign	Sign
21	Sanika Suryawanshi	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>
22	Robul kushwaha	<i>Robul</i>	<i>Robul</i>	<i>Robul</i>	<i>Robul</i>	<i>Robul</i>
23	chetan chavan	<i>chetan</i>	<i>chetan</i>	A	A	A
24	Dinesh Patil	<i>Dinesh</i>	<i>Dinesh</i>	A	A	A
25	Prasenjeet Gaikwad	<i>Prasenjeet</i>	<i>Prasenjeet</i>	A	A	A
26	RATNANIDANI VISHWAKHANA	<i>Ratna</i>	<i>Ratna</i>	<i>Ratna</i>	<i>Ratna</i>	<i>Ratna</i>
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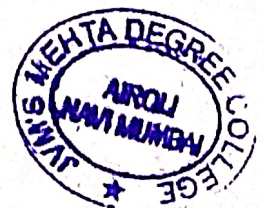
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Mohanlal Raichand Mehta College of Commerce
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Plot no.9, Sector -19, Airoli , Navi Mumbai

F.Y.B.Sc 2023-24 Certificate Course " Science Spectrum "

Attendance

Date - 01/08/23

	Teacher's Initial	SS	PJ	NB	KP	SP	Assign
Sr. No	PCM	Lec. 1	Lec 2	Lec 3	Lec 4	Lec 5	
	Name of Student	Sign	Sign	Sign	Sign	Sign	
1	Anish Yadav	A	A	A	A	A	
2	Omkar Tukaram Savaratkar	Omkar	Omkar	A	A	A	
3	Vikrant Nilesh kulkarni	Vikrant	Vikrant	Vikrant	Vikrant	Vikrant	Vikrant
4	Heena Arjunram Dewasi	Heena	Heena	Heena	Heena	Heena	Heena
5	Usha Devilal Suthar	Usha	Usha	Usha	Usha	Usha	Usha
6	Ruby Ram	Ruby	Ruby	Ruby	Ruby	Ruby	Ruby
7	Mohini Rumade	A	A	A	A	A	
8	Gautav.S.Naughane	Gautav	Gautav	A	A	A	
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Padmashree(Dr.) R.T. Doshi Degree College of Computer Science
Plot no.9, Sector -19, Airoli Navi Mumbai

CERTIFICATE COURSE - F.Y.B.Sc. (2023-24)

"Science Spectrum"

REPORT

Department of science conducted certificate course for F.Y.B.Sc students from 28th July to 4th August 2023. Faculties from Department of Chemistry, Physics, Zoology and Mathematics participated in this course. 38 students from F.Y.B.Sc. Class attended certificate course.

In this certificate course, students learned various applications of new developments in sciences. Students also understand basic skills and new principles of sciences. All this will ultimately help the students for their career prospects and future benefits. The result assessment was calculated on the basis of test, assignment taken by the faculties at the end of the course. E- Certificates were given to all the students who scored 40% and above marks.

The "Science Spectrum" course aimed to provide our students with an immersive journey through the captivating worlds of physics, chemistry, zoology, and math. It fostered an understanding of how these scientific disciplines are interconnected, building a solid academic foundation for future studies.

Throughout the course, our students developed critical thinking and problem-solving skills, enabling them to approach scientific challenges with confidence. They engaged in captivating hands-on experiences during lab sessions, gaining practical expertise in each subject. Collaborative learning and teamwork were emphasized, encouraging students from different scientific backgrounds to share ideas and enrich their learning experience together. The course also emphasized the importance of effective communication, allowing our students to articulate their scientific ideas with clarity and passion.

As a result of the "Science Spectrum" course, our students showcased a comprehensive understanding of the diverse scientific spectrum. They demonstrated proficiency in applying an integrated approach to solve complex problems and exhibited confidence in conducting experiments across the subjects. Their analytical thinking improved significantly, enabling them to discern data intricacies and connections between subjects.

The students' ingenuity and collaboration were commendable, as they embraced diverse perspectives to tackle scientific challenges. The course facilitated effective communication skills, allowing them to express their scientific concepts with clarity and inspire others with their passion for science.



The "Science Spectrum" certificate course has prepared our students for future specialized studies in science, fostering a spirit of exploration and enthusiasm for scientific endeavors. We extend our heartfelt gratitude to the department and faculty for their unwavering support and guidance throughout the course. We firmly believe that the knowledge and experiences gained through this course will pave the way for our students' successful scientific journey.

Thank you for your continuous support in promoting the spirit of science among our young scholars.

S. Shinde

Mr. Sagar Shinde

Convenor

Leena

Dr. Leena Sarkar

Principal and Chairperson

