

Institutional Report 2020-21



JNAN VIKAS MANDAL

Jr. College & Mehta Degree College, Airoli

Jnan Vikas Mandal Degree College of Science and Commerce



Institute Profile

JVM Trust was started in the year 1974 and the college started in the year 2001 by a group of enterprising visionaries with a far-reaching vision that laid a firm foundation for the institution. The college which began with a humble beginning with just 12 students, has now recorded an exponential growth and is now a full-fledged co-educational institution functioning in two shifts with 10 UG courses, 3 PG courses and a Doctor of Philosophy in Chemistry. Today we cater to more than 3000 students including degree and junior, providing holistic development.

The institute profile is as follows:

Name of the institution	Jnan Vikas Mandal's Degree College, Airoli
Year of Establishment	2001
Affiliating University	University of Mumbai
Institute Status	Linguistic Minority (Kannada)
No. of Departments	11
Number of Teachers	47
Number of Non-Teaching	28
Total number of students	2754

Library Infrastructure

The college library is equipped with ICT facilities - computers, printers, and the internet. The library management system is partially automated and air-conditioned. All teaching and office staff make full use of computerized technology both in the administration and library. We have National Library and Information services Infrastructure for Scholarly Content (N-LIST) and Developing Library Network (DELNET) databases in library.

Program and Intake

Our institution offers different programs - Bachelor of Science, Bachelor of Computer Science, Bachelor of Information Technology, Bachelor of Commerce, Bachelor of Accounting and Finance, Bachelor of Banking and Insurance, Bachelor of Management Studies, Bachelor of Mass Media, Master of Commerce, Master of Science (Chemistry) and Master of Science (Information Technology). Following is the list of programmes, number of seats sanctioned and number of students admitted to these programmes: -

Programme name	Programme Code	Number of seats sanctioned	Number of Students admitted
T.Y.B.Com.	2C00146	480	356
S.Y.B.Com.	2C00144	530	432
F.Y.B.Com.	2C00142	480	445
T.Y.B.A.F.	2C00456	120	105
S.Y.B.A.F.	2C00454	120	104
F.Y.B.A.F.	2C00452	120	101



T.Y.B.B.I.	2C00346	60	43
S.Y.B.B.I.	2C00344	60	55
F.Y.B.B.I.	2C00342	60	48
T.Y.B.M.S.	2M00156	120(72)	80
S.Y.B.M.S.	2M00154	120	114
F.Y.B.M.S.	2M00152	120	120
T.Y.B.M.M.	4O00156	72	61
S.Y.B.M.M.	4O00154	60	59
F.Y.B.M.M.	4O00152	60	35
T.Y.B.Sc.	1S00146	120	32
S.Y.B.Sc.	1S00144	120	32
F.Y.B.Sc.	1S00142	120	32
T.Y.B.Sc. (C.S)	1S00156	60	48
S.Y.B.Sc. (C.S)	1S00154	60	54
F.Y.B.Sc. (C.S)	1S00152	60	37
T.Y.B.Sc. (I.T)	1S00256	72	62
S.Y.B.Sc. (I.T)	1S00254	72	63
F.Y.B.Sc. (I.T)	1S00252	60	55
M.Com. (Part I)	2C00532	60	53
M.Com (Part II)	2C00534	60	46
M.Sc. (Chem. Part I)	1S01112	20	20
M.Sc. (Chem Part II)	1S01124	20	22
M.Sc. (I.T Part I)	1S01112	20	16
M.Sc. (I.T Part II)	1S01124	24	24
TOTAL		3482	2754

University Result 2020-21

The overall pass percentage of batch 2020-21 T.Y.B.Sc. (Physics, Chemistry, Computer Science, Information Technology), T.Y.B.M.S., T.Y.B.B.I., T.Y.B.A.F., and T.Y.B.M.M. is 100%, TYBCOM is 96%, Post-graduation courses (Part II) - M.Com and M.Sc.I.T is 100% and M.Sc. Chemistry is 91%.

NPTEL

SWAYAM is launched by MHRD, the Government of India to make high quality learning material available to students. Our institute is registered under NPTEL as a local chapter, students can enrol for online certificate courses of 4, 8, and 12 weeks through college. Enrolment is free and only a registration fee has to be paid for the examination to get a certificate.

MOU

JVM's Degree College signed seven Memorandum of Understanding in the academic year 2020-21 with: -

1. Hexa Digital Forensic Corporation on 23rd January 2019 for 3 years duration. An activity 'Training Program on Identifying Fake News and Investigations' was



- conducted under this MoU on 6th June 2020, 167 participants attended the training program.
2. Satyam Institute on 19th July 2019 for a duration of 2 years. Following four activities were conducted under this MoU.
 - a) Tally ERP 9 Course was conducted from 5th June 2020 to 5th August 2020. It was attended by 101 students.
 - b) English Speaking Course was conducted from 5th June 2020 to 5th August 2020. It was attended by 184 students.
 - c) Advance Excel Course was conducted from 5th June 2020 to 5th August 2020. It was attended by 103 students.
 3. Brightwayz on 2nd December 2019 for a duration of two years. An activity 'MBA – CET & CAT Preparation' was conducted under this MoU. It was attended by 18 students.
 4. Technoserve on 24th February 2020 for a duration of two years. An activity 'Campus to Corporate (C2C) Career Program' was conducted under this MoU. It was attended by 52 students.
 5. Tata Institute of Social Science (TISS) on 24th December 2019 for a duration of two years. A course 'Certificate in Management and Soft Skills' was conducted under this MoU. It was attended by 26 students.
 6. ITAA Education Pvt. Ltd on 29th January 2020 for a duration of one year. 28 students registered for the Digital Marketing course.
 7. Connecting Dreams Foundation on 27th August 2020 for sustainable development for duration of two years. 7 activities were conducted.

Career Enhancement Schemes

Along with academics, our institution also offers career enhancement schemes to the students to enhance their employability skills. The details of the courses offered are as follows: -

Sr. No.	Name of the Career Enhancement Scheme	Date of Implementation	End Date	Number of Students enrolled	Agencies involved
1	Certificate Course on Preparation for CET	26-10-2020	25-03-2021	53	JVM's Degree College, Airoli in collaboration with Technoserve
2	Session on "MBA-Entrance Guidance"	04-11-2020	04-11-2020	65	Department of Management Studies of JVM's Degree College, Airoli.
3	Certificate Course on Communication Skill	16-01-2021	02-03-2021	19	JVM's Degree College, Airoli in collaboration with Brightwayz
4	Orientation Programme of Competitive Examination Guidance Cell	16-01-2021	16-01-2021	23	Competitive Examination Guidance Cell of JVM's Degree College, Airoli



5	Certificate Course on Preparation for Competitive Examination	17-05-2021	28-05-2021	68	Department of Commerce of JVM's Degree College, Airoli
6	Certificate Course by Competitive Examination Guidance Cell	18-01-2021	27-03-2021	10	Competitive Examination Guidance Cell of JVM's Degree College, Airoli

Capacity Enhancement Schemes

Our institute offers certificate courses to impart theoretical and practical skills among students which will also enhance their academic curriculum. The details of these courses are as follows:

Sr. No.	Name of the Capacity Enhancement Scheme	Date of Implementation	End Date	Number of students enrolled	Agencies involved
1	Certificate Course on Advanced Excel by Satyam Institute	05-06-2020	05-08-2020	102	Satyam Institute of Tax Accountants
2	Certificate Course on Tally ERP-9 by Satyam Institute	05-06-2020	05-08-2020	98	Satyam Institute of Tax Accountants
3	Certificate Course on English Speaking by Satyam Institute	05-06-2020	05-08-2020	181	Satyam Institute of Tax Accountants
4	Webinar on Importance of Intellectual Property Rights - Strategy & Protection of Innovative Ideas by Mr. Rushabh Desai.	20-06-2020	20-06-2020	335	JVM's Degree College, Airoli & SQUAD Infotech Pvt. Ltd.
5	Webinar on Jobs in 2020 by SQUAD Infotech	20-06-2020	20-06-2020	238	JVM's Degree College, Airoli and SQUAD Infotech Pvt. Ltd
6	Webinar on The Art of Writing and Publishing in Scopus Journal by Dr. M. Senthil Kumar and Mr. MD Javeed	21-06-2020	21-06-2020	525	Research Committee of JVM's Degree College, Airoli.
7	Workshop on "Yoga for Mind and Soul" by Mr. Vishal Agrawal	21-06-2020	21-06-2020	163	NSS Unit of JVM's Degree College, Airoli in association with



					Pataljali Yog Samiti
8	Students Development Programme on "Meditation and Wellness" by Mr. Rajagopal Subramanyan, Mrs. Lalitha Rajagopal, Dr. Lalitha Dhareshwar and Mr. Tushar Pradhan	22-06-2020	24-06-2020	47	NSS Unit of JVM's Degree College, Airoli in collaboration with Heartfulness Education Trust and Heartfulness Campus
9	Webinar on "Introduction to Automation Testing" by Mr. Premchand Vishwakarma of SQUAD Infotech.	07-07-2020	07-07-2020	153	Department of CS-IT, JVM's Degree College, Airoli in association with SQUAD Infotech.
10	Certificate Course on "Mass Media Management" for BMM Students	20-07-2020	31-07-2020	82	Department of BAMMC, JVM's Degree College, Airoli
11	Certificate Course for B.Sc. & M.Sc. Students	20-07-2020	30-07-2020	50	Department of Science, JVM's Degree College, Airoli
12	Certificate Course on "Emerging Trends & Technologies" for CS-IT Students.	20-07-2020	30-07-2020	227	Department of CS-IT, JVM's Degree College, Airoli
13	Certificate Course on "Management" for SYBMS students	20-07-2020	30-07-2020	114	Department of BMS, JVM's Degree College, Airoli
14	Certificate Course for BBI-BAF students	20-07-2020	31-07-2021	197	Department of BBI and BAF, JVM's Degree College, Airoli
15	Certificate Course on "Employability Enhancement" for T.Y.B.Com. Students	21-07-2020	31-07-2020	361	Department of Commerce, JVM's Degree College, Airoli
16	Bridge Course for T.Y.B.Com. Students	07-08-2020	10-08-2020	170	Department of Commerce, JVM's Degree College, Airoli
17	Bridge Course for S.Y.B.Com. Students	07-08-2020	10-08-2020	163	Department of Commerce,



					JVM's Degree College, Airoli
18	Bridge Courses for B.Sc. & M.Sc. Students.	10-08-2020	18-08-2020	125	Department of Science JVM's Degree College, Airoli
19	Certificate Course in Management for TYBMS Students.	04-09-2020	10-09-2020	80	Department of BMS, JVM Degree College, Airoli
20	Bridge Course for BAF-BBI students	07-09-2020	12-09-2020	116	Department of BBI and BAF, JVM's Degree College, Airoli
21	Bridge Course for CS-IT students	08-09-2020	15-09-2020	86	Department of CS-IT, JVM's Degree College, Airoli
22	Management Quiz	27-10-2020	27-10-2020	189	Department of BMS JVM's Degree College, Airoli
23	Session on "How to Effectively Participate in Group Discussion" by Asst. Prof. Jael Angel Johnson	29-10-2020	29-10-2020	75	Personality Development Wing of REDC, JVM Degree College, Airoli
24	Inter Collegiate Poetry Recitation Competition	31-10-2020	31-10-2020	15	Department of BMM/BAMMC Department & DLLE Unit, JVM's Degree College, Airoli
25	Inter collegiate Poster Making Competition	31-10-2020	31-10-2020	17	Department of BMM/BAMMC Department & DLLE Unit, JVM's Degree College, Airoli
26	National webinar "Use of Digital Technology in field of Chemistry" by Mr. Charitra Gaur from Scube Infotech Pvt. Ltd.	09-11-2020	09-11-2020	198	Department of Chemistry, JVM's Degree College, Airoli in association with Scube infotech Pvt . Ltd.
27	Session on "Prezi & Powtoon" by Mr.	19-11-2020	19-11-2020	127	Department of BBI and BAF,



	Niketan Teware of Brightwayz.				JVM's Degree College, Airoli
28	Chemistry Day Celebration-Poster/PPT presentation for Science students.	10-12-2020	10-12-2020	115	Department of Science, JVM's Degree College, Airoli
29	Online Intercollegiate Mathematics Quiz Competition	22-12-2020	22-12-2020	94	Department of Mathematics, JVM's Degree College, Airoli
30	Workshop on "Japanese Maths Techniques" by Asst. Prof. Sanjay Gupta	20-01-2021	20-01-2021	138	Department of BAF-BBI, JVM's Degree College, Airoli
31	Session on "Presentation Techniques" by Asst. Prof. Ashutosh Sharma	02-02-2021	02-02-2021	111	Department of BAF-BBI, JVM's Degree College, Airoli
32	"Investors Awareness Programme" by Ms. Marina Joe, BSE, Mumbai	10-02-2021	10-02-2021	93	Department of Commerce, JVM's Degree College, Airoli.
33	Expert Talk on "Union Budget" by Dr. Sujata Dhopte, BOS Member, University of Mumbai	11-02-2021	11-02-2021	85	Department of Commerce, JVM's Degree College, Airoli.
34	Two Days International Level Conference was organised by Department of Science-International Conference on "Emerging Novel Trends in Science for Human Welfare" (ICENTSHW-2021) by Prof. Dr. V. K. Jain, Prof. Dr. Jacinta D'Souza, Prof. Dr. Axel Klein, Prof. Dr. Cecilia Maria Arraiano, Prof. Dr. Satyanarayana Bheesette,	15-02-2021	16-02-2021	441	Department of Science JVM's Degree College, Airoli



	Prof. Dr. Arundhati Warke, Prof. Dr. S. G. Dani and Prof. Dr. Marcello Abbrescia				
35	Session on "Presentation Techniques" by Asst. Prof. Ashutosh Sharma.	18-02-2021	18-02-2021	115	Department of BAF-BBI, JVM's Degree College, Airoli.
36	Science Day Celebration- "Sci-Quiz Buzz" Online Intercollegiate Quiz Competition	28-02-2021	28-02-2021	262	Department of Science JVM's Degree College, Airoli
37	State-level Union Budget Quiz	02-03-2021	04-03-2021	67	Department of BMS. JVM Degree College, Airoli
38	International Women's Day Celebration- "Webinar on Gender Sensitization- Let Us Bridge the Gap....Together We Can" by Mrs. Sunita Kulkarni, Dr. Smita Karve, Ms. Sridevi Londhe	08-03-2021	08-03-2021	118	Women Development Cell, JVM's Degree College, Airoli
39	Webinar on "Waste Can Give Us Health" by Mrs. Swati Tillu	13-03-2021	13-03-2021	138	Department of Zoology and Greenery Committee, JVM's Degree College, Airoli
40	Alumni Guidance Talk for CS IT Students by Mr. Akshay Kothavale	13-03-2021	13-03-2021	16	Department of CS-IT, JVM's Degree College, Airoli
41	Workshop on 'Clean Hands -Safe Hands - Fights against COVID-19' (Preparation of Soap & sanitizer at Home) for Parents & Students of B.Sc. and M.Sc. and	18-03-2021	18-03-2021	140	Department of Science (Chemistry), JVM's Degree College, Airoli



	others by Dr. Shweta Rathore				
42	Webinar on "Green Living" by Mr. Vidhyadhar Walavalkar, Honorary Managing Director, Prakurti	22-03-2021	22-03-2021	188	NSS Unit and ECO Club, JVM's Degree College, Airoli
43	AVISHKAR-Research Convention session by Asst. Prof. Shakunthala N. M.	24-03-2021	24-03-2021	28	Department of Science, JVM's Degree College, Airoli
44	REDC Orientation Programme	24-03-2021	24-03-2021	51	REDC, JVM's Degree College, Airoli
45	Workshop on "Japanese Maths Techniques" by Asst. Prof. Sanjay Gupta	24-03-2021	24-03-2021	208	Department of BAF and BBI, JVM's Degree College, Airoli
46	Webinar on Vedic Mathematics by Asst. Prof. Pintoo Jaiswar	25-03-2021	25-03-2021	179	Department of Science (Mathematics), JVM's Degree College, Airoli
47	Article Writing Competition	27-03-2021	27-03-2021	29	Department of CS-IT, JVM's Degree College, Airoli
48	State Level Workshop on Acting by Mr. Prashant Nigade	30-03-2021	30-03-2021	185	Department of BMM/BAMMC, JVM's Degree College, Airoli
49	Session on "Virtual Personality Development" by Asst. Prof. Jael Angel Johnson.	03-04-2021	03-04-2021	28	REDC, JVM's Degree College, Airoli
50	Webinar on "Cyber Sakhi" by Ms. Shilpa Chandolikor, Trustee of Responsible Netism	09-04-2021	09-04-2021	206	Women Development Cell, JVM's Degree College, Airoli
51	Webinar on "Solar based Green Energy Solutions" by Dr. Dinesh Kala, Head of Department of	14-04-2021	14-04-2021	230	Department of Science (Physics), JVM's Degree College, Airoli



	Physics, Khalsa College, Matunga, Mumbai				
52	Certificate Course on "Financial literacy" for S.Y.B.Com. students	24-04-2021	03-05-2021	68	Department of Commerce, JVM's Degree College, Airoli
53	Certificate Course on "Business Management & Finance" for F.Y.B.Com. students	17-05-2021	28-05-2021	90	Department of Commerce, JVM's Degree College, Airoli
54	Certificate Course on "Real Life Applications in IT" for CS-IT students	25-05-2021	31-05-2021	71	Department of CS-IT, JVM's Degree College, Airoli

Training and Placement

Our institute regularly arranges Campus Drives for placement just before the final examination. In total 42 students from BAF, 44 students from BMS, 12 students from BBI, 10 from BMM, 11 from B.Sc. (CS), 8 from B.Sc. (Chemistry), 4 from B.Sc. (Physics), 18 from B.Sc. (IT), 172 students from B.Com., 10 from M.Sc. (Chemistry), 16 from M.Com., and 16 from M.Sc. (IT) were placed on-campus and off-campus before the end of academic year 2020-21.

Extension activities carried out by the institution:-

On a regular basis, the institution arranges extension activities through several committees and departments for social awareness and society development. Following are the details of the activities conducted:-

Sr. No	Name of the Activity	Date	Organising unit/ agency/ collaborating agency	Purpose of the Activity	No students participated	No of people benefited
1	One Day Workshop on Yoga for Mind And Soul	21st June 2020	NSS and NCC Unit in Collaboration with Patanjali Yog Samiti	Objectives of the webinar were to have good health and emotional stability, to practice mental strength and to attain higher level of consciousness.	100	237



2	Three Days Student Development Programme on Heartfulness Meditation Workshop	22nd June 2020 to 24th June 2020	NSS Unit in Association with Heartfulness Education Trust and Heartfulness Campus	To help students to build inner strength, calmness and to empower them with positive thoughts during global pandemic covid-19	48	48
3	Three days Faculty Development Programme on Heartfulness Meditation Workshop	22nd June 2020 to 24th June 2020	NSS Unit in Association with Heartfulness Education Trust and Heartfulness Campus	To help people relax and maintain their peace during the global pandemic where people were trying to cope with the changing personal and professional lifestyle which is quite exhausting mentally and physically.	-	148
4	Intercollegiate Online Solo Singing Competition 'Merustambh... we stand stronger together'	15th August 2020	NSS Unit in Association with NSS Cell, University of Mumbai	To instil the spirit of Patriotism among youth	53	53
5	Martial Arts and Self Defence Training Session	19th September 2020	Connecting Dreams Foundation	To make youth a more confident and to empower them with physical, mental and spiritual strength for enhancing street awareness	72	72
6	ZUMBA - A Two Days Health and Wellbeing Program	19th and 20th September 2020	Connecting Dreams Foundation	To maintain healthy and active lifestyle	80	90
7	A Bit of Nirvana – A Free Yoga Session	20th September 2020	Connecting Dreams Foundation	To foster harmony in the body, mind and environment which will help participants to attain higher level of consciousness and emotional stability	68	68



8	Health and Nutrition Awareness Program	20th September 2020	Connecting Dreams Foundation	To create awareness about healthy and nutritious food for enhancing immunity	55	55
9	VOICE WITHOUT NOISE - Sign Language Awareness Campaign	30th September 2020	Connecting Dreams Foundation	To spread awareness about sign language	33	35
10	Seminar on Pranic Healing	10 th October 2020	Connecting Dreams Foundation	Aim to restore the energy amongst the individuals	45	45
11	Tree Plantation Drive	5th November 2020	Connecting Dreams Foundation	To save the endangered environment and to maintain the ecological balance	20	22
12	Webinar on Gender Sensitization – Let Us Bridge the Gap Together We Can	8th March 2021	Women Development Cell in Collaboration with DLLE, ICC & Legal Cell	To consciously enlighten and encourage a steady practice of gender equality	95	118
13	Webinar on Green Living	22nd March 2021	NSS Unit and ECO Club Earth Defenders	To ensure that we nurture nature for a better future	178	188
14	Webinar on Cyber Sakhi	9th April 2021	Women Development Cell in Association with Responsible Netism	To create awareness amongst young girls about cyber crimes	301	307



Competitions carried out by the Extension Units of the College (DLLE, NSS, CDF, WDC, Counselling Cell, REDC and Eco-Club):-

Sr. No.	Name of the activity	Date	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities	Number of teachers participated in such activities
1	Poster Making Competition on How to Fight Against CORONA	25-08-2020	NSS Unit	India Fights Corona	42	6
2	Poster Making Competition on एक भारत श्रेष्ठ भारत	31-10-2020	DLLE Unit Collaboration with Department of BAMMC	एक भारत श्रेष्ठ भारत	17	5
3	Poetry Writing Competition on एक भारत श्रेष्ठ भारत	31-10-2020	DLLE Unit Collaboration with Department of BAMMC	एक भारत श्रेष्ठ भारत	15	5
4	Workshop on REDC Action Plan	06-11-2020	REDC	MGNCRE-Rural Entrepreneurial Skills	51	11
5	Online Poster Making Activity on <i>Majhi Vasundhara – The Earth is Worth it</i>	14-01-2021	DLLE Unit	<i>Majhi Vasundhara – The Earth is Worth it</i>	50	3
6	Essay and Slogan Writing Activity on Cancer Awareness	04-02-2021	DLLE Unit	Cancer Control Programme	40	3
7	Mask Preparation & Distribution	10-02-2021	NSS Unit	India Fights Corona	140	6
8	Aarogya Setu Application Awareness Campaign	25-02-2021	NSS Unit	India Fights Corona	140	6
9	Covid 19 Awareness Campaign	13-03-2021	NSS Unit	India Fights Corona	140	6
10	Virtual Session on Personality Development	03-04-2021	REDC	MGNCRE-Rural Entrepreneurial Skills	28	11
11	Vaccination Awareness Campaign	04-04-2021	NSS Unit	India Fights Corona	140	6



12	Dustbin Making and Distribution	15-04-2021	NSS Unit	Swachh Bharat Abhiyan	140	6
13	Fitness Awareness Campaign	25-04-2021	NSS Unit	FIT INDIA Movement	140	6
14	Dry and Wet Waste Segregation Awareness Campaign	28-04-2021	NSS Unit	Clean India, Green India	140	6
15	Poster Making Competition on Environment Restoration: The Impact of COVID-19 on the Environment	31-05-2021	ECO Club - Earth Defenders	Ecosystem Restoration	45	5

College Events

Institute organized various intra-collegiate and inter-collegiate events for the overall development of the students.

Intra-Collegiate Events

In the academic year 2020-21, the following intra-collegiate fests were celebrated in the institution: -

1. Udaan- Sky is not the limit, an intra-collegiate Annual Sports Day was celebrated on 19th March 2021, in which 8 competitions were organized and 126 students participated actively in the event.
2. String Fest- Jashn 2021, an intra-collegiate event was organized on 20th March 2021 in online mode. The competitions were conducted under literary and fine arts headers. Overall, 11 competitions were conducted and 303 students participated in the event.

Inter-Collegiate Events

In the academic year 2020-21, the following inter-collegiate fests were celebrated in the institution: -

1. Sci-Tech Fest 2020, an online intercollegiate fest was organized on 10th and 11th November 2020. The theme of the fest was 'Qantara' (The bridge that we wish to pass safely through all of the moments and difficult days). 218 students and 7 groups participated in the events.
2. Panorama 2020, an online intercollegiate fest was organized on 10th and 11th November 2020. The theme of the fest was Strike the opportunity. There were 516 participants in the event.



3. Aarsh – The Media Fest, an online intercollegiate event, was organized by BMM/BAMMC department on 10th and 11th November 2020. The theme of the event was ‘Tele-Tour’. There were 10 events and 301 students participated in the Fest.
4. Goonj- The Battle of Nach, an inter-collegiate dance competition was organized on 4th March 2021. The theme finalized for the event was Incredible India and International Beats. In total there were 10 participants in the final round.

Research Work

In our college nine teachers hold Ph.D. degree, of which 2 teachers have been awarded Ph.D. degree in this academic year. 11 teachers are currently pursuing Ph.D. programs.

Publication Details: -

Following are the list of papers published by teachers in International Journal.

Sr. No.	Name of the teacher	Title of the paper	Name of the conference	National / International	ISBN/ISSN number of the proceeding	Name of the publisher
1	Dr. Leena Sarkar and Mrs. Archana Ravindra Sanap	Role of ICT in Teaching – Learning	One day NAAC Sponsored Seminar on Revised Accreditation Framework: Understanding and Challenges	International	ISBN: 978-93-89817-46-1	Ideal International E - Publication Pvt. Ltd.
2	Mrs. Shakunthala N. M.	Organic Photosensors for Biomedical Applications	8th World Conference on Pharmaceutical Science and Drug Manufacturing	International	ISBN: 978-93-90214-28-0	BioLEAGUES Worldwide

Following are the details of papers published in UGC Care Listed Journals

Sr. No.	Title of paper	Name of the author/s	Department of the Teacher	Name of journal	ISSN number
1	A Review: Alternative Methods of Preparing 1, 4-Dihydropyridine Derivatives by Hantzsch Reaction	Dr. Leena Sarkar	Chemistry	Journal of Scientific Research (JSR)	0447-9483
2	Aggression & Neurotransmitters	Dr. Leena Sarkar	Chemistry	Journal of Scientific Research (JSR)	0447-9483



3	Role of Placebo & Nocebo Effect	Dr. Leena Sarkar	Chemistry	Journal of Scientific Research (JSR)	0447-9483
4	Synthesis and Characterization of Graft Copolymer of Sago Starch-g- Poly (Acrylamide) Using Potassium Persulphate Initiator	Ms. Savita Kumari	Chemistry	Journal of Scientific Research (JSR)	0447-9483
5	Graft Copolymerisation of Acrylic Acid onto Starch and A Study of its Grafting Parameters	Mrs. Harshada Niju	Chemistry	Journal of Scientific Research (JSR)	0447-9483
6	A Review: Alternative Methods of Preparing 1, 4-Dihydropyridine Derivatives by Hantzsch Reaction	Mrs. Sandhya Suraj Patil	Chemistry	Journal of Scientific Research (JSR)	0447-9483
7	Concept Development in Learning Physics: The Case of electrical Current and Voltage Reevaluated	Mrs. Sharayu Mahesh Kadam	Information Technology	Journal of Scientific Research (JSR)	0447-9483
8	Aggression & Neurotransmitters	Dr. Shweta Rathore	Chemistry	Journal of Scientific Research (JSR)	0447-9483
9	Role of Placebo & Nocebo Effect	Dr. Shweta Rathore	Chemistry	Journal of Scientific Research (JSR)	0447-9483
10	Antimicrobial Activity of Phoma Species against Pathogenic Bacteria	Dr. Prajakta Kadu	Zoology	Journal of Scientific Research (JSR)	0447-9483
11	Identity Theorem in Complex Analysis	Mr. Pintoo R. Jaiswar	Mathematics	Journal of Scientific Research (JSR)	0447-9483
12	Some Life History Traits with Reference to Gonadal Cyclicity of Invasive African Sharptooth Catfish, Clarias gariepinus from River Yamuna in Delhi Region, India	Dr. Kanika Pahwa	Zoology	Journal of Scientific Research (JSR)	0447-9483
13	To Study the Impact of Working Capital Management on Firm's Financial Performance: (The Case Study of ITC)	Ms. Divya Gautam	BMS	Shodh Sarita	2348-2397



Paper Publications by Students

Sr. No.	Title of paper	Name of the author/s	Department	Name of journal	ISSN number
1	A review on waste plastic utilization and biodegradation	Ms. Jyoti Singh	Chemistry	Journal of Scientific Research (JSR)	0447-9483
2	A review on anticancer effects of garlic from organosulfur compounds	Ms. Nupur Kurmi	Chemistry	Journal of Scientific Research (JSR)	0447-9483
3	A study of conducting electrochemical sensors based on molecularly imprinted polymer on carbon nanostructure using polypyrrole fil: A review	Ms. Sonali Gupta	Chemistry	Journal of Scientific Research (JSR)	0447-9483
4	Rice crop burning hazards and potential solutions by India: A review	Ms. Tatheer Zaidi	Chemistry	Journal of Scientific Research (JSR)	0447-9483
5	A review on different approaches for cancer treatment through green chemistry using silver nanoparticles	Ms. Swati Chaudhari	Chemistry	Journal of Scientific Research (JSR)	0447-9483
6	Cluster of study of Terbium's journey from mine to 21st century	Ms. Nishigandha Khairnar	Chemistry	Journal of Scientific Research (JSR)	0447-9483

Conference/ Faculty Development Program/ Student Development Program/ Orientation Program/ Workshops/ Webinars conducted by the Institution: -

International Conference

Department of Science had organized an online two-days “International Conference on Emerging Novel Trends in Science for Human Welfare (ICENTSHW-2021)” on 15th & 16th February 2021. Principal, Dr. Leena Sarkar was the Chairperson of this conference. Dr. A. D. Sawant, Ex Pro Vice Chancellor, University of Mumbai, Vice Chancellor, University of Rajasthan, was the Chief Guest of the conference. Dr. Ravindra Deshmukh (Professor, Former Principal Konkan Gyanpeeth Karjat College of Arts, Science and Commerce) was the Chief Guest for the Valedictory ceremony. Prof. Dr. V. K. Jain (Director, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai), Prof. Dr. Jacinta D’Souza (Chairperson School of Biological Sciences UM- DAE Center for Excellence in Basic Sciences University of Mumbai), Prof. Dr. Axel Klein (Department of Chemistry, University of Cologne, Greinstrasse, Germany), Prof. Dr. Cecilia Maria Arraiano (ITQB-Instituto de Tecnologia Química e Biológica Universidade Nova de Lisboa), Prof. Dr. Satyanarayana Bheesette (Scientific Officer (H) Dept. of High Energy Physics, Tata Institute of Fundamental Research & Visiting Professor, Dept. of Applied Science,



American College, Madurai), Prof. Dr. Arundhati Warke (Professor & Dy Director Academics, Symbiosis Institute of Technology, Pune), Prof. Dr. S. G. Dani (Professor, Center for Excellence in Basic Sciences and Bhatnagar Awardee), Prof. Dr. Marcello Abbrescia (Professor, Department of Physics, University of Bari, and Italian National Institute for Nuclear Physics (INFN Bari section), Italy) were the invited speakers for the technical sessions. Dr. Gopa Sarma (Faculty department of Botany, Gurunanak Khalsa College) & Dr. Ravindra Deshmukh were the Chairperson for the paper presentation sessions. The conference received a huge response from all over India as well as from Germany, Australia, Abu Dhabi, UAE, Sri Lanka, Singapore, USA, and China. There were 37 paper presentations in the conference. There were 513 registered participants.

Faculty Development Programs organized by the institution: -

Sr. No	Year	Name of the workshop/ seminar	Number of Participants	Date From – To
1	2020	Faculty Development Program on Artificial Intelligence in Classroom Teaching	1237	6/6/2020
2	2020	Training Program on Identifying Fake News & Investigations	167	6/6/2020
3	2020	One Day Faculty Development Program on The Art of Writing and Publishing in Scopus Journal	525	20/6/2020
4	2020	Three Days Faculty Development Program on Heartfulness Meditation Workshop	148	22/6/2020 to 24/6/2020
5	2020	Three Days Faculty Development Program on E-Learning Tools and Techniques	66	13/7/2020 to 15/7/2020

Student Development Programs organized by the institution: -

Sr. No	Year	Name of the workshop/ seminar	Number of Participants	Date From – To
1	2020	Three Days Student Development Program on Heartfulness Meditation Workshop	48	22/6/2020 to 24/6/ 2020
2	2020	A Skill Development Programme under 'Skilled Young Nation Programme'	1418	29/10/2020 to 30/11/ 2020
3	2021	Session on Virtual Personality Development	28	3/4/2021



Orientation Programs organized by the institution: -

Sr. No	Year	Name of the workshop/ seminar	Number of Participants	Date From – To
1	2021	Orientation on Stream Specialization for First Year Students and Parents	92	4/5/2021
2	2021	Orientation Program for Online Certificate Course - Tax Training (GST) By Satyam Institute	70	27/5/2021

Webinars/Workshops organized by the institutions in the academic year 2020-21

Sr. No	Year	Name of the workshop/ seminar	Number of Participants	Date From – To
1	2020	Webinar on Jobs in 2020	260	20/6/2020
2	2020	National Level Webinar on Intellectual Property Rights- Strategy & Protection of Innovative Ideas	325	20/6/2020
3	2020	One Day Workshop on Yoga for Mind and Soul	163	21/6/2020
4	2020	Webinar on Introduction to Automation Tools	151	7/7/2020
5	2020	National Webinar on ISO Awareness: Its Impact and Usage	538	11/7/2020
6	2020	Workshop on REDC Action Plan	54	6/11/2020
7	2020	National Webinar on Use of Digital Technology in Chemistry	198	9/11/2020
8	2020	Webinar on Data Science Career & Job Prospects	82	26/11/2020
9	2021	Webinar on Gender Sensitization- Let Us Bridge the Gap...Together We Can	108	8/3/2021
10	2021	Webinar on Waste Can Give Us Health	138	13/3/ 2021
11	2021	Workshop on Clean Hands -Safe Hands - Fight COVID-19: Prepare your own Soap & Sanitizer at Home	140	18/3/2021
12	2021	Webinar on Green Living	188	22/3/2021
13	2021	Webinar on Vedic Mathematics	179	25/3/2021
14	2021	National Level Webinar on Preparation of AQAR, IQA and SSR for Revised Assessment and Accreditation	91	26/3/2021
15	2021	State Level Intercollegiate Workshop on Acting	159	30/3/2021
16	2021	Webinar on Cyber Sakhi	301	9/4/2021
17	2021	Webinar on Solar based Green Energy solutions - An Immediate Future	230	14/4/2021

Future Plans: -

1. To form the Uploading Committee for uploading data of all departmental and committee activities.
2. To form the Monitoring Committee to monitor the progress of the activities mentioned in the Academic Calendar.
3. The IQAC acts as an umbrella body that, among other things, exercises oversight and monitors the functioning of the various committees concerned with matters of discipline, ethics, and code of conduct. Therefore, to improve quality of education and the institution the IQAC Committee has planned to hold monthly IQAC meetings.
4. To promote energy efficiency and be environmentally responsible, the traditional tube lights will be replaced by LED bulbs/tubelights.
5. To promote research culture and evoke scientific temperament amongst faculty and students, it was decided that each department will conduct/participate in national and international-level seminars/webinars and conferences to nurture scholarship and talent.
6. To motivate teachers to pursue research for their academic excellence, professional growth and personal development.
7. To enhance capacity building programmes and create awareness for sustainable living.

