

REPORT OF THE ACADEMIC AUDIT COMMITTEE

1. College Name: Jaysingpur College, Jaysingpur. JAYSINGPUR

Address: Jaysingpur, Tal. : Shirol Dist : Kolhapur. 416 101

Year of Establishment: 1964

Telephone: STD Code: 2322225382

Government Approval No: Gen/Affil/9660

Date: 28-10-1964

Fax:

E Mail ID: jspcollegejsp@gmail.com

Web Site: www.jaysingpurcollege.edu.in

Type of Institute / College: CO-Education

Location: Rural

Status of University affiliation:

UGC 2F Approval: Yes

UGC 12B Approval: Yes

NAAC Accreditation year & Grade: NAAC Grade A 28-OCT-21 - 27-OCT-26

NBA Accreditation year & Grade:

NIRF ranking: NIRF 01-JAN-01 - 01-JAN-01

Government approval status: Aided/Grantable

Name of the Principal of the College: I/C PRINCIPAL Manisha Vinod Kale

2. Name Of Trust / Society

Names of Trust/Society: Anekant Education Society

Address: C/o Jaysingpur College, JAYSINGPUR-

Year of establishment: 1962

Telephone Std Code: 2322225381

Fax: 2322226481

E mail ID: jspcollegejsp@gmail.com

Web site Address: www.jaysingpurcollege.edu.in

3. Name Of Academic Audit Committee Members

Sr.No.	Name Of The Members	Designation	Address
1	Dr. Smt. L. B. Patil	Member	Smt. Mathubai Garware Kanya Mahavidhyalaya, Sangli
2	Prin. Dr. Smt. S. A. Naikwadi	Chairman	Krantisinh Nana Patil College, Walwa

4. Member who interacted with the committee

Sr.No.	Type of Member	Member Name	Remark
1	Principal	Prof. (Dr.) M. V. Kale	Principal and Chairmen AAA
2	IQAC Member	Prof. (Dr.) T. G. Ghatage	IQAC coordinator
3	Teaching Staff	Dr. V. B. Deokar	Convener AAA
4	Teaching Staff	Mrs. S. R. Nakate	Coordinator (AAA)
5	Teaching Staff	Dr. S. R. Sabale	IQAC member
6	Teaching Staff	Prof. (Dr.) N. L. Kadam	Vice-Principal
7	Non-Teaching Staff	Sh. Amit Magdum	Clerk
8	Non-Teaching Staff	Sh. S. A. Chaware	Sr. Clerk

Details of programs offered by the College (Give data for Current Academic Year)

S.N	Program Level	Name of the Program / Course	Part	Duration	Entry Qualification	Medium of Instruction	Approval Type	Sanctioned /approved student strength	No. of students admitted	Govt. approval letter for college
1	Bachelor Degree	BACHELOR OF ARTS	2	3		Marathi	Aided/Grant able	120	120	Ref.No.Gen/ Aff/31946-7/5 /1964
2	Bachelor Degree	BACHELOR OF ARTS	1	3		Marathi	Aided/Grant able	120	120	Ref.No.Gen/ Aff/31946-7/5 /1964
3	Bachelor Degree	BACHELOR OF ARTS	3	3		Marathi	Aided/Grant able	120	120	Ref.No.Gen/ Aff/31946-7/5 /1964
4	Bachelor Degree	BACHELOR OF ARTS	3	3		Marathi	Unaided/Non-Grantable	120	27	NGC/2017/ (102/17)MC4 -23/6/2017
5	Bachelor Degree	BACHELOR OF ARTS	2	3		Marathi	Unaided/Non-Grantable	120	113	NGC/2017/ (102/17)MC4 -23/06/2017
6	Bachelor Degree	BACHELOR OF ARTS	1	3		Marathi	Unaided/Non-Grantable	120	0	NGC/2010/ (226/10)MC4 -14/7/2010
7	Bachelor Degree	BACHELOR OF ARTS	1	3		Marathi	Permanent Non-Grantable	120	123	Ref.No.Gen/ Aff/31946-7/5 /1964
8	Bachelor Degree	BACHELOR OF COMMERCE	1	3		Marathi	Aided/Grant able	120	120	Ref.No.Gen/ Aff/31946-7/5 /1964
9	Bachelor Degree	BACHELOR OF COMMERCE	2	3		Marathi	Aided/Grant able	120	120	Ref.No.Gen/ Aff/31946-7/5 /1964
10	Bachelor Degree	BACHELOR OF COMMERCE	3	3		Marathi	Aided/Grant able	120	120	Ref.No.Gen/ Aff/31946-7/5 /1964
11	Bachelor Degree	BACHELOR OF COMMERCE	1	3		Marathi	Unaided/Non-Grantable	120	126	NGC/2010/ (226/10)MC4 -14/7/2010
12	Bachelor Degree	BACHELOR OF SCIENCE	3	3		English	Unaided/Non-Grantable	120	115	NGC/2017/ (102/17)MC4 -23/6/2017
13	Bachelor Degree	BACHELOR OF SCIENCE	1	3		English	Aided/Grant able	120	120	Ref.No.Gen/ Aff/31946-7/5 /1964
14	Bachelor Degree	BACHELOR OF SCIENCE	2	3		English	Aided/Grant able	120	120	Ref.No.Gen/ Aff/31946-7/5 /1964
15	Bachelor Degree	BACHELOR OF SCIENCE	3	3		English	Aided/Grant able	120	120	Ref.No.Gen/ Aff/31946-7/5 /1964
16	Bachelor Degree	BACHELOR OF SCIENCE	2	3		English	Unaided/Non-Grantable	120	105	NGC/2017/ (102/17)MC4 -23/6/2017

17	Bachelor Degree	BACHELOR OF SCIENCE	1	3		English	Unaided/Non-Grantable	120	40	NGC/2010/(226/10)MC4-14/7/2010
18	Bachelor Degree	BACHELOR OF COMPUTER APPLICATION	1	3		English	Unaided/Non-Grantable	80	43	NGC/2008/(215/08)MC3-19/6/2008
19	Bachelor Degree	BACHELOR OF COMPUTER APPLICATION	2	3		English	Unaided/Non-Grantable	80	21	NGC/2007/(113/07)MC3-14/6/2007
20	Bachelor Degree	BACHELOR OF COMPUTER APPLICATION	3	3		English	Unaided/Non-Grantable	80	42	NGC/2007/(113/07)MC3-14/6/2007
21	Bachelor Degree	BACHELOR OF COMPUTER SCIENCE	3	3		English	Unaided/Non-Grantable	80	63	NGC/2007/(113/07)MC3-14/6/2007
22	Bachelor Degree	BACHELOR OF COMPUTER SCIENCE	1	3		English	Unaided/Non-Grantable	80	44	NGC/2007/(113/07)MC3-14/6/2007
	Bachelor Degree	BACHELOR OF COMPUTER SCIENCE	2	3		English	Unaided/Non-Grantable	80	62	NGC/2007/(113/07)MC3-14/6/2007
24	Master Degree	MASTER OF ARTS	1	2		Marathi	Permanent Non-Grantable	50	11	PG/BUTR/M A/7424-2206/1981
25	Master Degree	MASTER OF ARTS	2	2		Hindi	Permanent Non-Grantable	50	21	NGC/2010/(225/10)MC4-14/7/2010
26	Master Degree	MASTER OF ARTS	2	2		Marathi	Unaided/Non-Grantable	50	13	PG/BUTR/M A/7424-2206/1981
27	Master Degree	MASTER OF ARTS	1	2		Hindi	Permanent Non-Grantable	50	14	NGC/2010/(225/10)MC4-14/7/2010
28	Master Degree	MASTER OF ARTS	1	2		Marathi	Permanent Non-Grantable	50	16	SU/IT/10/15193,22/03/1988
	Master Degree	MASTER OF ARTS	2	2		Marathi	Permanent Non-Grantable	50	23	SU/IT/10/15193,22/03/1988
30	Master Degree	MASTER OF COMMERCE	1	2		English	Permanent Non-Grantable	50	50	NGC/2009/(171/09)MC4-14/07/2009
31	Master Degree	MASTER OF COMMERCE	2	2		English	Permanent Non-Grantable	50	51	NGC/2018/(102/18)MC4-15/06/2018
32	Master Degree	MASTER OF COMMERCE	2	2		English	Permanent Non-Grantable	50	51	NGC/2009/(171/09)MC4-14/07/2009
33	Master Degree	MASTER OF COMMERCE	1	2		English	Permanent Non-Grantable	50	83	NGC/2018/(102/18)MC4-15/06/2018
34	Master Degree	MASTER OF COMMERCE	1	2		English	Permanent Non-Grantable	50	50	NGC/2009/(171/09)MC4-14/07/2009

35	Master Degree	MASTER OF SCIENCE	1	2		English	Permanent Non-Grantable	20	22	NGC/2016/(103/16)MC4-4/7/2016
36	Master Degree	MASTER OF SCIENCE	1	2		English	Permanent Non-Grantable	20	22	NGC/2010/(225/10)MC4-14/7/2010
37	Master Degree	MASTER OF SCIENCE	2	2		English	Permanent Non-Grantable	20	22	NGC/2010/(225/10)MC4-14/7/2010
38	Master Degree	MASTER OF SCIENCE	2	2		English	Permanent Non-Grantable	20	25	NGC/2016/(103/16)MC4-4/7/2016
39	Master Degree	MASTER OF SCIENCE	1	2		English	Permanent Non-Grantable	20	22	NGC/2019/(131/19)MC4-15/06/2019
40	Master Degree	MASTER OF SCIENCE	2	2		English	Permanent Non-Grantable	20	20	NGC/2019/(131/19)MC4-15/06/2019
	B.Voc	B.Voc. Printing & Publishing.	1	3		Marathi	Permanent Non-Grantable	50	4	NGC/2014/(202/14)MC4-18/07/2017
42	B.Voc	B.Voc. Printing & Publishing.	2	3		Marathi	Permanent Non-Grantable	50	20	NGC/2014/(202/14)MC4-18/07/2017
43	B.Voc	B.Voc. Printing & Publishing.	3	3		Marathi	Permanent Non-Grantable	50	26	NGC/2014/(202/14)MC4-18/07/2017
44	B.Voc	B.Voc. Automobile	1	3		Marathi	Permanent Non-Grantable	50	12	NGC/2014/(202/14)MC4-18/07/2017
45	B.Voc	B.Voc. Automobile	2	3		Marathi	Permanent Non-Grantable	50	12	NGC/2014/(202/14)MC4-18/07/2017
46	B.Voc	B.Voc. Automobile	3	3		Marathi	Permanent Non-Grantable	50	7	NGC/2014/(202/14)MC4-18/07/2017

Does the College offer Self-Financed Program	No	0
New programs introduced in the college during the years, if any	No	0

List the Academic departments

Faculty / Branches	Name of the Department	UG	PG	Research
Science and Technology	GEOGRAPHY	Yes	No	No
Science and Technology	MATHS	Yes	No	Yes
Science and Technology	STATISTICS	Yes	No	Yes
Science and Technology	BOTANY	Yes	No	Yes
Science and Technology	CHEMISTRY	Yes	Yes	Yes
Science and Technology	ZOOLOGY	Yes	No	Yes
Science and Technology	PHYSICS	Yes	No	Yes
Science and Technology	Food-science and Quality Control	Yes	No	No
Science and Technology	B.C.S.	Yes	No	No
Commerce and Management	Commerce	Yes	Yes	Yes
Commerce and Management	B.C.A.	Yes	No	No
Humanities	ENGLISH	Yes	No	No
Humanities	ECONOMICS	Yes	Yes	No
Humanities	EDUCATION	Yes	No	No
Humanities	HISTORY	Yes	No	No
Humanities	MARATHI	Yes	Yes	Yes
Humanities	HINDI	Yes	Yes	Yes
Interdisciplinary Studies	B.Voc. Automobile	Yes	No	No
Interdisciplinary Studies	B.Voc. Printing and Publishing	Yes	No	No

Furnish the number of the students admitted to the college during the last Five academic years.
(Including Grantable & Non Grantable)

Categories	UG														
	Year 1			Year 2			Year 3			Year 4			Year 5		
	M	F	Trans	M	F	Trans	M	F	Trans	M	F	Trans	M	F	Trans
GEN/OPEN	195	128	0	204	92	0	149	77	0	75	150	0	141	178	0
SC	155	75	0	165	60	0	175	78	0	164	68	0	170	92	0
ST	0	1	0	0	0	0	0	0	0	3	0	0	2	0	0
OBC	172	74	0	160	84	0	149	78	0	127	71	0	169	78	0
VJ(A)	37	9	0	53	18	0	51	17	0	44	23	0	44	18	0
NT(B)	49	14	0	0	0	0	47	15	0	34	17	0	41	16	0
NT(C)	40	17	0	48	20	0	0	0	0	36	16	0	39	10	0
NT(D)	0	0	0	41	19	0	49	22	0	41	10	0	41	10	0
SEBC	170	116	0	204	88	0	229	137	0	263	138	0	270	150	0
EWS	159	116	0	203	87	0	191	132	0	146	128	0	110	110	0
MINORITY	150	85	0	139	116	0	130	89	0	168	96	0	139	73	0
TOTAL	1127	635	0	1217	584	0	1170	645	0	1101	717	0	1166	735	0

Furnish the number of the students admitted to the college during the last Five academic years.
(Including Grantable & Non Grantable)

Categories	PG														
	Year 1			Year 2			Year 3			Year 4			Year 5		
	M	F	Trans	M	F	Trans	M	F	Trans	M	F	Trans	M	F	Trans
GEN/OPEN	21	26	0	16	15	0	21	17	0	12	15	0	36	24	0
SC	24	29	0	21	28	0	28	27	0	41	35	0	27	39	0
ST	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0
OBC	17	26	0	31	31	0	28	28	0	25	28	0	27	33	0
VJ(A)	7	5	0	0	0	0	5	7	0	8	7	0	6	3	0
NT(B)	6	6	0	0	0	0	2	6	0	8	6	0	4	6	0
NT(C)	7	4	0	9	8	0	1	0	0	6	4	0	4	5	0
NT(D)	0	0	0	4	7	0	2	6	0	2	1	0	1	2	0
SEBC	16	24	0	17	20	0	33	38	0	41	34	0	44	44	0
EWS	16	24	0	15	18	0	33	39	0	43	33	0	37	45	0
MINORITY	18	51	0	27	81	0	30	74	0	24	41	0	28	41	0
TOTAL	132	195	0	140	208	0	183	242	0	210	204	0	218	246	0

Details on Students Enrollment in the College during the Current Academic Year

Type of Students	UG	PG	M.Phil	Ph.D.	Total Students
Students from the same state where the college is located	1901	464			2365
Students from other state of india	0	0			0
NRI Students	0	0			0
Foreign Students	0	0			0

Course wise Faculty Information

Sr. No	Name of Faculty Member	Designation	Subject	Cast Category	Date of First Appointment	University Approval Letter No
1	Balasaheb Mahadeo Sargar	PROFESSOR (COLLEGE)	Chemistry and Chemical Engineering	Open	02-09-2003	I/T-5/VDK/RAM /5300 dated 22/08/2003
2	Dhanwanti Sunil Bamane					
3	Gurunath Hanmant Nikam	ASSTT. PROFESSOR	Chemistry and Chemical Engineering	Open	21-12-2010	
4	Jayvant Balavant Patade	ASSTT. PROFESSOR	Mathematics	Open	01-08-2013	Aff.T.3/SDM40, 41,42/1990
5	Kabir Rajendra Kumbhar	ASSTT. PROFESSOR	Chemistry and Chemical Engineering	OBC	03-05-2020	Aff.T.3/SDM/43 ,44,45/1990
6	Khanderao Dnyandeo Khaldekar	ASSTT. PROFESSOR	Political Science	Open	03-05-2020	1990
7	Mahadeo Sukhadeo Suryawanshi	ASSOCIATE PROFESSOR	Physical Education	SCHEDULE CASTE	01-09-2005	IT/T5/Ram/487 8 Date: 27 Jul 2005
8	Manisha Vinod Kale	I/C PRINCIPAL	Botany	Open	01-09-1990	Aff.T3/SDG/111 /620 dated 07/07/2021
9	Nandkumar Laxman Kadam		Commerce	Open		
10	Nitish Pandurang Sawant			SCHEDULE CASTE		
11	Prabhakar Tanaji Mane	ASSTT. PROFESSOR	Economics	Open	30-12-1899	2966
12	Prashant Parshuram Chikode	ASSTT. PROFESSOR	Physics	Open	16-12-2000	11435
13	Pritam Raygonda Patil	ASSTT. PROFESSOR	Mathematics	Open	03-05-2020	Aff.T.3/SDM/40 ,41,42/1990
14	Raju Dagadu Tasgaonkar	ASSOCIATE PROFESSOR	Chemistry and Chemical Engineering	SCHEDULE CASTE	06-09-1990	Aff.T-3/SDG/4/ 2157 dated 30.10.2021 No.519
15	Ramesh Dilip Shinde	ASSTT. PROFESSOR	Statistics	Open	01-07-2010	Aff.T5./POWER /2966 Dated 05.06.2010

Sr. No	Name of Faculty Member	Designation	Subject	Cast Category	Date of First Appointment	University Approval Letter No
16	Ravindra Damodar Mane	ASSOCIATE PROFESSOR	Physics	SCHDULE CASTE	26-08-1993	Aff.T.3/STS/37 dated 11/10/2010
17	Rohant Siddhram Dhabbe	ASSTT. PROFESSOR	Chemistry and Chemical Engineering	Open	03-05-2020	T.3/SDM/43,44, 45/1990
18	SURAJ DHANYAKUMAR UMDALE	ASSTT. PROFESSOR	Botany	Open	03-05-2020	SU/affili./T.5/AV S/1449 A
19	Sachinkumar Ramagouda Patil	ASSTT. PROFESSOR	Zoology	Open	03-05-2020	SU/Affil./te.5/A VS/1469 A
20	Sandip Ravsaheb Sabale	ASSTT. PROFESSOR	Chemistry and Chemical Engineering	Open	01-01-2010	Ref.No.Aff.T3/S TS/37/8332
21	Santoshkumar Balakrishna Daphalapurkar	ASSTT. PROFESSOR	Marathi	Open	21-12-2010	Aff.T5./POWER /10892 Dated 20.12.2010
22	Shridevi Rahul Nakate	ASSTT. PROFESSOR	Commerce	Open	03-05-2020	T.3/SDM/40,41, 42/1990
23	Smita Sunil Mahajan	ASSOCIATE PROFESSOR	Physics	Open	01-02-1993	
24	Sujata Gomtesh Patil	ASSTT. PROFESSOR	English and Linquistics	Open	03-05-2020	T.3/SDM/43,44, 45 File.no.0027
25	Sunanda Subhash Shelake	ASSTT. PROFESSOR	English and Linquistics	Open	01-07-2010	37
26	Sunil Bapu Bansode			SCHDULE CASTE		
27	Suparna Gangadhar Sansuddi					
28	Suparna Gangadhar Sansuddi					
29	Suparna Gangadhar Sansuddi	ASSOCIATE PROFESSOR	Hindi	Open	01-12-1993	affi/T-3/VNC/Fl. 207/6903 3/11/2001
30	Surat Annaso Manjare			Open		
31	Tushar Ganpatrao Ghatage	PROFESSOR (COLLEGE)	Geography and Geology	SCHDULE CASTE	04-02-2004	SU/Affi/T-3/F37 /8266 Date 4 Dec 2004
32	Vandana Bhagavan Devakar	ASSTT. PROFESSOR	Economics	Open	30-12-1899	Aff.T.3/STS/37

Sr. No 33	Name of Faculty Member Vijaymala Virendra Chougule	Designation ASSOCIATE PROFESSOR	Subject Psychology	Cast Category Open	Date of First Appointment 21-06-1999	University Approval Letter No Aff.T.3/SRS/No .11371dated 6 Feb 2016
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Research Information

1.	No.of M.Phil and Ph.D Faculty Member.	M.Phil	3
		Ph.D.	17
2.	No.of Students Completed M.Phil/Ph.D under the guidance of faculty Members in College/Deparment in last one year	M.Phil	0
		Ph.D.	28
3.	Information Regarding Research Papers Presented/Published on University/State/National/International level in last	National	34
		International	33
4.	No.of Major/Minor research Projects in last one Academic Year	In Progress	17
		Completed	17

Infrastructure Information

Sr.N	Criteria	Marks Allotted	Observation	Marks Obtained	Committee Marks
	Class rooms				
1	Adequate well furnished class rooms as per University/Apex body norms ·Required No 23 ·Available No 26 ·√ Adequate (10) Marks ·Less than Adequate (5) Marks ·Not Adequate (0) Marks	10	Yes	10	10
2	Virtual Classroomwith utilization ·√ If Yes (2) Marks ·No (0) Marks	2	Yes	2	2
3	Number of classrooms with ICT Facilities ·√ Above 50% facilities (5) Marks ·More than 25% facilities (3) Marks ·More than 10 % (2) Marks	5	Yes	5	5
	Laboratories				
1	No. and Size of Laboratories as per University Norms/Apex body ·Required No 40 ·Available No 40 ·√ Adequate (5) Marks ·Less than Adequate (3) Marks ·Not Adequate (0) Marks	5	Yes	5	5
2	Laboratory equipmentsavailable as per University /Apex body norms ·√ Adequate (5) Marks ·Less than Adequate (3) Marks ·Not Adequate (0) Marks	5	Yes	5	5
3	Computers availableas per University/Apex body Norms ·√ Adequate (5) Marks ·Less than Adequate (3) Marks ·Not Adequate (0) Marks	5	Yes	5	5
	Library				
1	Books in the library (1:5 Students: Books) (For Professional Course, as decided by the apex bodies) ·√ A) Reference Text Books (3) Marks ·√ B) Periodicals (1) Marks ·√ C) News papers (1) Marks	5	Yes	5	5
2	Journals ·√ I. International (Two each) (2) Marks ·√ ii. National (Two each) (2) Marks ·√ iii. E journals (Two each) (1) Marks	5	Yes	5	5
3	Digital Library Facilities: (E Journals /CD's/ DVD's/ Infinite/ Delnet etc.) ·√ □ Adequate (5) Marks ·□ Sufficient (3) Marks ·□ Insufficient (0) Marks	5	Yes	5	5
4	- ·√ Internet Facility provided to staff & utilization (2) Marks	2	Yes	2	2

Sr.N	Criteria	Marks Allotted	Observation	Marks Obtained	Committee Marks
5	- ·√ Internet Facility for student with time table & utilization (2) Marks	2	Yes	2	2
6	- ·√ Book Bank Facility (2) Marks	2	Yes	2	2
7	Library is automated ·√ Fully automated (5) Marks ·Partially automated (3) Marks	5	Yes	5	5
8	Reading Room ·√ A) Student (3) Marks ·√ B) Faculty (1) Marks	4	Yes	4	4
9	Budget allocated for purchase of books and journals during the year ·√ A) 2% or more than 2% of total budget excluding salary (3) Marks ·B) Up to 2% of total budget excluding salary (1) Marks	3	Yes	3	3
Faculty					
1	No. of required Teaching Faculty ·A. 100% Appointment- (14) Marks ·B. 76% to 99% Appointment- (10) Marks ·√ C. 51% to 75% Appointment (8) Marks ·D. Below 50% Appointment- (0) Marks	14	Yes	8	8
2	- ·√ Faculties deputed / sponsored for the improvement of academic qualification during last year. (3) Marks	3	Yes	3	3
Sports					
1	Gymkhana (with All Facilities) ·√ A) Separate Room – (2) Marks ·√ B) Indoor - (2) Marks ·√ C) Outdoor (2) Marks	6	Yes	6	6
2	Well Equipped Playground ·√ A) Own - (4) Marks ·B) Rented - (2) Marks ·C) On contract basis (1) Marks	4	Yes	4	4
Curricular and extracurricular activities					
1	- ·√ 1. Separate room for N.S.S. (2) Marks ·√ 2. Separate room for N.C.C (2) Marks	4	Yes	4	4
2	Facilities for extracurricular & Cultural ·√ Activities (4) Marks ·Adequate (3) Marks ·Sufficient (2) Marks	4	Yes	4	4

Sr.N	Criteria	Marks Allotted	Observation	Marks Obtained	Committee Marks
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Laboratory and Laboratory equipments are not applicable to the college/Department, then consider 90 Marks for input and convert it accordingly

Grade :-

81% and Above = A+

71% to 80% = A

61% to 70% = B

51% to 60% = C

50% and Below = D

	College Marks	Committee Mark
Total Marks :-	100.00	
Mark's of obtained :-	94.00	94.00
Percentage Of marks :-	94.00%	94.00%
Grade :-	A+	A+

L.B. Patil
29/02/2022

Dr. Mrs. L.B. Patil
Member

S.A. Naikwadi
29/02/2022

Prin. Dr. Mrs. S.A. Naikwadi
Chairman

B:Process (300 Marks)

Sr.N	Criteria	Marks Allotted	Observation	Marks Obtained	Committee Marks
	Teaching-Learning and Evaluation -				
1	The institution assesses the learning levels of the students, after admission and organizes special programs for advanced learners and slow learners <ul style="list-style-type: none"> ·√ Advanced Learners Program : (5) Marks ·√ Slow Learners Program : (5) Marks 	10	Yes	10	10
2	Student centric methods, such as experiential learning, participative learning and problem solving methodologies etc. are used for enhancing learning experiences (02 Marks for each method –	30	Yes	30	30
3	Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc <ul style="list-style-type: none"> ·√ 96 % to 100% Teachers (20) Marks ·76 % to 95 % Teachers (15) Marks ·51% to 75 % Teachers (10) Marks ·26 % to 50 % Teachers (5) Marks ·25 % & Less Teachers (2) Marks 	20	Yes	20	20
4	Ratio of mentor to students for academic and stress related issues (Total Teacher : Total Students) (Mentor : Mentee) <ul style="list-style-type: none"> ·√ Mentor: Mentee Ratio (1:50) - (5) Marks ·Mentor: Mentee Ratio (1:75) - (3) Marks ·Mentor: Mentee Ratio (1:100 & Above) - (2) Marks 	5	Yes	5	5
5	Number of capability enhancement and development schemes <ul style="list-style-type: none"> ·A. Guidance for competitive examinations 2 ·B. Career Counseling 4 ·C. Soft skill development 3 ·D. Remedial coaching 1 ·E. Language lab 1 ·F. Bridge courses ·G. Yoga and Meditation 1 ·H. Personal Counseling 1 ·I. Brain Storming 1 ·J. Any other Karmeer Kuoshalya Kendra skill and value added-08 <ul style="list-style-type: none"> ·√ 10 or more of the above (20) Marks ·Any 6 of the above (16) Marks ·Any 5 of the above (12) Marks ·Any 4 of the above (8) Marks ·Any 3 of the above (4) Marks 	20	Yes	20	20
6	The Institution ensures effective curriculum delivery through a well planned and documented process <ul style="list-style-type: none"> ·√ <input type="checkbox"/> Teaching Plan – (2) Marks ·√ <input type="checkbox"/> Departmental meeting record for distribution of workload, timetable etc.- (1) Marks ·√ <input type="checkbox"/> Feedback- (2) Marks 	5	Yes	5	5
7	Augmentation of Physical Infrastructure like classrooms, laboratories, library, computer equipments, etc. during the year	5	Yes	5	5
8	Upgradation on Laboratory equipments during the year	5	Yes	5	5
9	Expenditure for purchase of books & Journals, CD's DVD's etc. during the year.	3	Yes	3	3

Sr.N	Criteria	Marks Allotted	Observation	Marks Obtained	Committee Marks
10	Expenditure for e-journals and online library during the year.	2	Yes	2	2
11	New Courses introduced of the total number of courses across all Programs offered during the year. ·√ Above 5 (10) Marks ·Between 3 to 5 (5) Marks ·Below 3 (3) Marks	10	Yes	10	10
12	Number of value-added courses imparting transferable and life skills offered during the year ·√ 100% Departments with at least one Value added Course (20) Marks ·76 % to 95 % (15) Marks ·51% to 75 % (10) Marks ·26 % to 50 % (5) Marks ·25 % & below (2) Marks	20	Yes	20	20
13	Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge ·√ <input type="checkbox"/> Established Incubation centre - (3) Marks ·√ <input type="checkbox"/> Institution has created an eco system and Other initiatives for creation and transfer of knowledge - (2) Marks	5	Yes	5	3
14	Number of functional MoUs with institutions of National, International importance, other Universities, Industries, Corporate Houses etc. during the year (1 Mark for one functional MoU) (Maximum 10 Marks) ·MoUs with institutions of national, international importance 12 ·MoUs with Other Universities 1 ·MoUs with Industries & Corporate Houses 1	10	Yes	10	10
15	Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the year (1 Mark for each activity) ·Number of linkages for faculty exchange 8 ·Number of linkages for student exchange 10 ·Number of linkages for internship 10 ·Number of linkages for field trip 10 ·Number of linkages for on-the-job training 2 ·Number of linkages for research etc 14	10	Yes	10	10
16	Percentage of students undertaking field projects / internships ·√ 76% to 100% (10) Marks ·51% to 75% (5) Marks ·1% to 50% (3) Marks	10	Yes	10	10
17	Participation of College in different sports events of the university during last year. (Per Sport activity 1 Mark)	10	Yes	1	1
18	Organization & Participation Technical Quiz / Seminar / Paper presentation / Project competition / Cultural events during last year (Per Event 1 Mark)	10	Yes	10	10
19	Number of extension and outreach programs conducted in collaboration with industry, community and Non - Government Organizations through NSS/NCC/Red cross/YRC etc., during the year (Number of extension and outreach programs conducted) (1 Mark per activity)	10	Yes	10	10

Sr.N	Criteria	Marks Allotted	Observation	Marks Obtained	Committee Marks
20	Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year ·1% to 25% (4) Marks ·26 % to 50% (10) Marks ·√ 51 to 75% (12) Marks ·76% to 100% (15) Marks	15	Yes	12	12
21	Use of Learning Management System	5	Yes	5	5
22	Contribution in Lead College Scheme ·√ By college as Participant (5) Marks ·By College as Conducting authority (3) Marks	5	Yes	5	5
23	Contribution in SUK Journals	5	No	0	0
24	No. of Faculty Members assisted for university assessment Total Answer book by each faculty member ·√ Assessed more than 50% their students admitted in college (5) Marks ·Assessed less than 50% their students admitted in college (3) Marks ·Assessed exactly admitted students in their college (2) Marks	5	Yes	5	5
25	Participation in Cultural Programme ·√ International Level/National Level (3) Marks ·√ State Level & University Level (2) Marks	5	Yes	5	5
26	Participation of University sponsored schemes at college level	5	Yes	5	5
	Research -				
1	Financial Assistance provided from college to faculty for research	5	Yes	5	5
2	Organizing workshops / seminars for inculcating research habits amongst teachers	5	Yes	5	5
3	Incubation centers in the Institutions	3	Yes	3	3
4	Leave and other incentives provided to teachers for research	3	Yes	3	2
5	The teachers benefited under FIP scheme of UGC during last three year.	5	Yes	5	5
6	Workshops / seminars organized during last three years for inculcating research habits amongst students	3	Yes	3	3
7	Research competitions, quiz etc. organized for students during last three years	5	Yes	5	5
8	Motivation for participation to students in research events like Avishkar etc.	3	Yes	3	2
9	Financial assistants provided to students for research activities from the institution	5	Yes	5	2
10	Participation in SUK sponsor research Scheme	5	No	0	0
11	Prospective Plans achieved by the College	2	Yes	2	1
	Sports -				
1	Sports Scholarship / Financial assistance provided to students.	3	Yes	3	3

Sr.N	Criteria	Marks Allotted	Observation	Marks Obtained	Committee Marks
2	Extra coaching provided to sportsman for particular Sports.	3	Yes	3	3
3	Financial assistant for dietary food, travelling etc. to sports students.	3	No	0	0
4	Organized workshops / Seminars for sports students.	2	Yes	2	2

Grade :-

81% and Above = A+

71% to 80% = A

61% to 70% = B

51% to 60% = C

50% and Below = D

	College Marks	Committee Mark
Total Marks :-	300.00	
Mark's of obtained :-	275.00	267.00
Percentage Of marks :-	91.67%	89.00%
Grade :-	A+	A+

L.B. Patil
22/02/2022
Dr. Mrs. L. B. Patil
Member

S.A. Naiknadi
22/2/2022
Prin. dr. Mrs. S. A. Naiknadi
Chairman

Output (100 Marks)

Sr.N	Criteria	Marks Allotted	Observation	Marks Obtained	Committee Marks
1	Average result of final year of last year. <ul style="list-style-type: none"> ·√ 91% to 100% Result (10) Marks ·81% to 90 % Result (8) Marks ·71% to 80% Result (6) Marks ·61% to 70% Result (4) Marks ·60% & Below Result (2) Marks 	10	Yes	10	10
2	No. of students passed in first class and above in final year(last year) <ul style="list-style-type: none"> ·√ 71% to 100 % (5) Marks ·51% to 70 % (3) Marks ·26% to 50 % (2) Marks ·25% to 1 % (1) Marks 	5	Yes	5	5
3	No. of students in University merit list in final year (last year) (1 Mark for each student in Merit List) (Maximum 5 Marks)	5	Yes	5	5
4	Percentage of student progression to higher education (previous graduating batch) A. UG to PG/ B. PG to M. Phil./Ph. D: C. PhD to Post doctoral: <ul style="list-style-type: none"> ·61% to 100% (5) Marks ·41% to 60% (4) Marks ·√ 21% to 40% (3) Marks ·20% & Less (2) Marks 	5	Yes	3	3
5	Percentage of students qualifying in state/ national/ international level examinations during the year (e.g.: NET/SLET/GATE/ GMAT/ CAT/ GRE/TOEFL/Civil Services/State government examinations) <ul style="list-style-type: none"> ·No of appeared students 6 ·No of Qualified students 2 ·√ Above 2% (of appeared students) (5) Marks ·Less than 2% (of appeared students)- (2) Marks 	5	Yes	5	5
6	Percentage of placement of outgoing students during the last year Name of the employer with contact details Number of students placed Name of the employer with contact details Number of students placed <ul style="list-style-type: none"> ·31 % To 100% (5) Marks ·21 to 30% (3) Marks ·11 to 20 % (2) Marks ·√ 1 to 10% (1) Marks 	5	Yes	1	1
7	Number of research papers published in the Journals notified on UGC website during the years (ISSN Only- (Total Papers + Total Teachers) ×100 <ul style="list-style-type: none"> ·No of Paper published 28 ·√ Per teacher Three Papers-76 % to 100 % (10) Marks ·Per teacher Two Papers - 51% to 75 % (8) Marks ·Per teacher One Paper - 26 % to 50 % (5) Marks ·Per teacher Below One Paper – 1% to 25% (2) Marks 	10	Yes	10	10

Sr.N	Criteria	Marks Allotted	Observation	Marks Obtained	Committee Marks
8	Books and chapters in edited volumes / books published, and papers in national / international conference-proceedings per teacher during the year (ISBN / ISSN Only) -Number of papers Published in Proceeding during Year:- (1 Mark per Paper, Maximum 5 Marks) 6 -Number of Books Published during Year :- (1 Mark Per Book, Maximum 5 Marks) 5 -Chapters in books Published during Year :- (0.5 Mark Per Chapter, Maximum 5 Marks) 5	15	Yes	13	13
9	No. of faculty members presented papers in symposium / workshop / conference / seminar in last year.(1 Mark per Paper, Maximum 5 Marks)	5	Yes	5	5
10	No. of Faculties contributed as resource persons at QIP/symposium /workshop / conference / seminar in last year. (1 Mark per Resource Person, Maximum 5 Marks)	5	Yes	5	5
11	No. of Students Completed M. Phil/Ph. D under the guidance of faculty Members in College. (1 Mark per Student, Maximum 5 Marks)	5	Yes	4	4
12	No. of Major/Minor Research Projects undertaken by faculty. (1 Mark per Project, Maximum 5 Marks)	5	Yes	5	5
13	Number of awards and recognition received by faculty from Government /recognized bodies during the year (1 Mark per Award/Recognitions) Total Number of Awards & Recognitions :	5	Yes	5	5
14	Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level etc. (award for a team event should be counted as one) during the year -International (Sports/ Cultural) (3) Marks -√ National (Sports/ Cultural) (2) Marks	5	Yes	2	2
15	Sports Scholarship received by the college during last year.	5	No	0	0
16	Percentage of students benefitted by Vocational Education and Training (VET)/Skill education/professional education during the year -51 to 100% (5) Marks -√ 26 to 50% (3) Marks -1% to 25 % (2) Marks	5	Yes	3	3

Grade :-

81% and Above = A+

71% to 80% = A

61% to 70% = B

51% to 60% = C

50% and Below = D

	College Marks	Committee Mark
Total Marks :-	100.00	
Mark's of obtained :-	81.00	81.00
Percentage Of marks :-	81.00%	81.00%
Grade :-	A+	A+

L. B. Patil
22/02/2022
Dr. Mrs. L. B. Patil
Member

S. A. Haikwadi
22/02/2022
Prin. Dr. Mrs. S. A. Haikwadi
Chairman



National Institutional Ranking Framework
Ministry of Education
Government of India



Welcome to Data Capturing System: COLLEGE

Institute ID: IR-C-C-11084

Institute Name: Jaysingpur College, JAYSINGPUR

Full Report

Sanctioned (Approved) Intake

Academic Year	2020-21	2019-20	2018-19	2017-18	2016-17	2015-16
UG [3 Years Program(s)]	1150	1150	1150	---	---	---
PG [2 Years Program(s)]	316	294	---	---	---	---

Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. who receive tuition reir
UG [3 Years Program(s)]	1473	712	2185	2184	1	0	328	516	844	0	0	0
PG [2 Years Program(s)]	169	256	425	425	0	0	175	137	312	0	0	0

Placement & Higher Studies

UG [3 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates (Amount in Rs.)	No. of student for Higher Stud
(2016-17)	1150	926	(2018-19)	416	44	200000 (Two lakh)	30
(2017-18)	1150	978	(2019-20)	503	61	118080 (One lakh eighteen thousand eighty)	68
(2018-19)	1150	988	(2020-21)	571	46	137000 (One lakh thirty seven thousand)	178

PG [2 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates (Amount in Rs.)	No. of student for Higher Studies
(2017-18)	290	191	(2018-19)	94	4	192000 (One lakh ninety two thousand)	0
(2018-19)	290	196	(2019-20)	160	6	100000 (One lakh)	0
(2019-20)	294	225	(2020-21)	176	6	138000 (One lakh thirty eight thousand)	1

Financial Resources: Utilised Amount for the Capital & Operational expenditure for previous 3 years

Financial Year	2020-21	2019-20	2018-19
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Library	64853 (Sixty four thousand eight hundred fifty three)	78871 (Seventy eight thousand eight hundred seventy one)	224711 (Two lakh twenty sand seven hundred ele)
New Equipment for Laboratories	287530 (Two lakh eighty seven thousand five hundred thirty)	288685 (two lakh eighty eight thousand six hundred eighty five)	14933 (fourteen thousand three hundred thirty threes)
Other expenditure on creation of Capital Assets (excluding expenditure on Land and Building)	716071 (seven lakh sixteen thousand seven hundred seventy one)	1609757 (sixteen lakh nine thousand seven hundred fifty seven)	452033 (four lakh fifty thousand three hundred thirty three)
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	75621312 (seven crore fifty six lakh twenty one thousand three hundred twelve)	67426811 (six crore seventy four lakh twenty six thousand eight hundred eleven)	58570829 (five crore eight hundred seventy thousand eight hundred twenty nine)
Maintenance of Academic Infrastructure or consumables and other running expenditures (excluding maintenance of hostels and allied services,rent of the building, depreciation cost, etc)	27559 (twenty seven thousand five hundred fifty nine)	3863869 (thirty eight lakh sixty three thousand eight hundred sixty nine)	3478553 (thirty four lakh eight thousand five hundred ee)
Seminars / Conferences / Workshops etc.	5353 (five thousand three hundred fifty three)	46392 (fourty six thousand three hundred ninty two)	36901 (thirty six thousand nine hundred one)

PCS Facilities: Facilities of physically challenged students

1. Do your institution buildings have Lifts/Ramps?	Not available
2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students?	Yes
3. Do your institution buildings have specially designed toilets for handicapped students?	Yes, less than 40% of the

Faculty Details

Srno	Name	Age	Designation	Gender	Qualification	Experience (In Months)	Currently working with institution?	Joining Date	Leaving Date	Associati
1	S S Chougule	38	Assistant Professor	Female	M.COM	132	Yes	04-01-2021	---	Adhoc Contra
2	S S GIRMAL	28	Assistant Professor	Male	B.E	72	Yes	04-12-2020	---	Adhoc Contra
3	A B Patil	28	Assistant Professor	Male	Diploma in MCM	72	Yes	17-12-2020	---	Adhoc Contra
4	R R Patil	23	Assistant Professor	Female	M.Sc.	1	Yes	01-12-2021	---	Adhoc Contra
5	B A Patil	51	Assistant Professor	Male	B.E	168	Yes	10-06-1995	---	Adhoc Contra
6	S V Patil	30	Assistant Professor	Female	MCA	54	Yes	10-12-2020	---	Adhoc Contra
7	N K Mullani	29	Assistant Professor	Female	M.E.	36	Yes	10-12-2020	---	Adhoc Contra
8	S S Gavade	32	Assistant Professor	Female	M.Sc.	81	Yes	10-12-2020	---	Adhoc Contra
9	S R Jadhav	28	Assistant Professor	Female	M.Sc.	24	Yes	10-12-2020	---	Adhoc Contra
10	S D Ghorpade	29	Assistant Professor	Female	M.Sc.	9	Yes	10-12-2020	---	Adhoc Contra
11	D S Thorat	28	Assistant Professor	Female	M.Sc.	9	Yes	10-12-2020	---	Adhoc Contra
12	M S Mule	36	Assistant Professor	Female	M.Sc.	45	Yes	20-12-2020	---	Adhoc Contra
13	A R Jagadale	24	Assistant Professor	Female	M.Sc.	13	Yes	01-12-2021	---	Adhoc Contra
14	M M Narade	24	Assistant Professor	Female	M.Sc.	1	Yes	01-11-2021	---	Adhoc Contra
15	H A Chougule	25	Assistant Professor	Female	M.Sc.	13	Yes	01-12-2020	---	Adhoc Contra
16	S K Malgave	25	Assistant Professor	Female	M.Sc.	13	Yes	01-12-2020	---	Adhoc Contra
17	S J Mane Gavade	32	Assistant Professor	Female	Ph.D	52	Yes	01-12-2020	---	Adhoc Contra
18	A A Koli	28	Assistant Professor	Female	M.Sc.	52	Yes	01-12-2020	---	Adhoc Contra
19	N S Chougule	23	Assistant Professor	Female	M.Sc.	8	Yes	01-12-2020	---	Adhoc Contra
20	S S Gaikwad	24	Assistant Professor	Female	M.Sc.	1	Yes	01-12-2020	---	Adhoc Contra
21	J S More	29	Assistant Professor	Male	M.Sc(Phy)	72	No	10-12-2020	31-05-2021	Adhoc Contra
22	P A Pawar	33	Assistant Professor	Male	Ph.D	7	Yes	10-12-2020	---	Adhoc Contra

23	N S Mane	24	Assistant Professor	Female	B.Voc	6	Yes	10-12-2020	---	Adhoc Contra
24	KT Chankane	38	Assistant Professor	Female	M.A	24	Yes	04-12-2020	---	Adhoc Contra
25	Dr M V Kale	53	Associate Professor	Female	Ph.D	370	Yes	01-09-1990	---	Regula
26	Prin Dr R R Kumbhar	62	Professor	Male	Ph.D	420	Yes	01-07-2018	---	Regula
27	Dr S A Manjare	58	Associate Professor	Male	Ph.D	373	Yes	20-06-1990	---	Regula
28	R D Tasgaonkar	55	Associate Professor	Male	M.Sc.	370	Yes	06-09-1990	---	Regula
29	Dr S S Mahajan	51	Assistant Professor	Female	Ph.D	335	Yes	16-08-1993	---	Regula
30	Dr D V Chandane	61	Associate Professor	Male	Ph.D	360	No	12-07-1988	31-05-2020	Regula
31	Dr S B Bansode	53	Associate Professor	Male	Ph.D	329	Yes	01-02-1994	---	Regula
32	Dr R D Mane	51	Assistant Professor	Male	Ph.D	335	Yes	26-08-1993	---	Regula
33	Dr N P Sawant	53	Associate Professor	Male	Ph.D	250	Yes	18-09-2000	---	Regula
34	Dr N L Kadam	56	Associate Professor	Male	Ph.D	250	Yes	18-09-2000	---	Regula
35	V V Chougule	45	Associate Professor	Female	SET	250	Yes	18-09-2000	---	Regula
36	S G Sansuddi	55	Associate Professor	Female	SET	202	Yes	29-09-2004	---	Regula
37	Dr B M Sargar	48	Assistant Professor	Male	Ph.D	214	Yes	02-09-2003	---	Regula
38	Dr T G Ghatage	45	Associate Professor	Male	Ph.D	209	Yes	04-02-2004	---	Regula
39	D S Bamane	49	Other	Female	SET	182	Yes	03-05-2006	---	Regula
40	M S Suryawanshi	46	Other	Male	MP.Ed.	190	Yes	01-09-2005	---	Regula
41	Dr S S Shelake	53	Assistant Professor	Female	Ph.D	132	Yes	01-07-2010	---	Regula
42	Dr S R Sabale	38	Assistant Professor	Male	Ph.D	132	Yes	01-07-2010	---	Regula
43	R D Shinde	38	Assistant Professor	Male	NET	132	Yes	01-07-2010	---	Regula
44	Dr P T Mane	43	Assistant Professor	Male	Ph.D	132	Yes	01-07-2010	---	Regula
45	S B Daphalapurkar	45	Assistant Professor	Male	SET	127	Yes	21-12-2010	---	Regula

46	Dr G H Nikam	34	Assistant Professor	Male	Ph.D	127	Yes	21-12-2010	---	Regula
47	Dr V B Devakar	48	Assistant Professor	Female	Ph.D	127	Yes	21-12-2010	---	Regula
48	Dr P P Chikode	44	Assistant Professor	Male	Ph.D	117	Yes	01-10-2011	---	Regula
49	Dr V S Shinde	36	Assistant Professor	Female	Ph.D	12	Yes	20-07-2019	---	Adhoc Contra
50	K R Danole	28	Assistant Professor	Female	M.Sc.	18	Yes	20-07-2019	---	Adhoc Contra
51	N J Patawardhan	30	Assistant Professor	Male	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
52	U A Hirnekar	25	Assistant Professor	Male	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
53	A A Murgunde	27	Assistant Professor	Female	SET	24	Yes	20-07-2019	---	Adhoc Contra
54	S G Sankpal	25	Assistant Professor	Female	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
55	P K Desai	25	Assistant Professor	Male	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
56	S B Langare	25	Assistant Professor	Female	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
57	Dr S K Gavade	29	Assistant Professor	Male	Ph.D	24	Yes	20-07-2019	---	Adhoc Contra
58	Dr S R Patil	39	Assistant Professor	Male	Ph.D	72	Yes	20-07-2019	---	Adhoc Contra
59	K A Kumbhar	33	Assistant Professor	Male	M.Sc.	18	Yes	20-07-2019	---	Adhoc Contra
60	M S Chougule	27	Assistant Professor	Female	M.Sc.	30	Yes	20-07-2019	---	Adhoc Contra
61	S T Patel	24	Assistant Professor	Female	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
62	A B Dhandale	28	Assistant Professor	Female	SET	12	Yes	20-07-2019	---	Adhoc Contra
63	S R Nakate	35	Assistant Professor	Female	NET	36	Yes	20-07-2019	---	Adhoc Contra
64	N B Gangdhar	29	Assistant Professor	Male	NET	12	Yes	20-07-2019	---	Adhoc Contra
65	A J Kambale	28	Assistant Professor	Female	SET	48	Yes	20-07-2019	---	Adhoc Contra
66	M U Chougule	32	Assistant Professor	Female	M.Sc.	36	Yes	20-07-2019	---	Adhoc Contra
67	A A Patil	31	Assistant Professor	Female	M.Sc.	36	Yes	20-07-2019	---	Adhoc Contra
68	K I Awati	24	Assistant Professor	Female	M.Sc.	12	Yes	20-11-2019	---	Adhoc Contra

69	S K Khot	24	Assistant Professor	Female	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
70	M D Burud	29	Assistant Professor	Male	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
71	S B Patil	27	Assistant Professor	Female	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
72	S T Koli	32	Assistant Professor	Female	M. Phil	48	Yes	20-07-2019	---	Adhoc Contra
73	S S Hukkire	29	Assistant Professor	Female	B.Ed	24	Yes	20-07-2019	---	Adhoc Contra
74	S N Chougule	36	Assistant Professor	Male	M. Phil	36	Yes	20-07-2019	---	Adhoc Contra
75	A B Dabhole	23	Lecturer	Male	B.Sc.	4	Yes	20-07-2019	---	Adhoc Contra
76	P T Mane	33	Assistant Professor	Male	M.A	36	Yes	20-07-2019	---	Adhoc Contra
77	K S Patil	37	Assistant Professor	Male	NET	60	Yes	20-07-2019	---	Adhoc Contra
78	Dr K D Khaladkar	43	Assistant Professor	Male	Ph.D	12	Yes	20-07-2019	---	Regula
79	A D Shinde	32	Assistant Professor	Male	SET	36	Yes	20-07-2019	---	Adhoc Contra
80	R L Koli	34	Assistant Professor	Male	B.Ed	12	Yes	20-07-2019	---	Adhoc Contra
81	S S Mane Patil	35	Assistant Professor	Female	SET	36	Yes	20-07-2019	---	Adhoc Contra
82	S R Patil	28	Assistant Professor	Female	NET	24	Yes	20-07-2019	---	Adhoc Contra
83	S A Solanke	28	Assistant Professor	Female	M.Tech	12	Yes	20-07-2019	---	Adhoc Contra
84	S H Vyas	40	Assistant Professor	Female	M.Tech	12	Yes	20-07-2019	---	Adhoc Contra
85	V T Chougule	41	Assistant Professor	Female	Ph.D	36	Yes	20-07-2019	---	Adhoc Contra
86	A P Mane	30	Assistant Professor	Male	SET	36	Yes	20-07-2019	---	Adhoc Contra
87	S M Patil	25	Assistant Professor	Male	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
88	S D Bhairannavar	25	Assistant Professor	Female	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
89	S S Bhagate	26	Assistant Professor	Male	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
90	V R Patil	27	Assistant Professor	Female	M.Sc.	24	Yes	20-07-2019	---	Adhoc Contra
91	R D Mamulkar	33	Assistant Professor	Female	M.A	72	Yes	20-07-2019	---	Adhoc Contra

92	S I Chougule	24	Assistant Professor	Female	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
93	V V Gavade	27	Assistant Professor	Male	M.Sc.	36	Yes	01-07-2017	---	Adhoc Contra
94	S A Malkar	35	Assistant Professor	Female	M.A. (Economics)	24	Yes	20-07-2019	---	Adhoc Contra
95	R T Ghatage	43	Assistant Professor	Female	M. Phil	36	Yes	20-07-2019	---	Adhoc Contra
96	S P Khade	38	Assistant Professor	Male	M.A	96	Yes	20-07-2019	---	Adhoc Contra
97	Y B Badame	32	Assistant Professor	Male	NET	84	Yes	20-07-2019	---	Adhoc Contra
98	K H Nikam	53	Assistant Professor	Male	M.A	240	Yes	20-07-2019	---	Adhoc Contra
99	K L Chaugule	27	Assistant Professor	Female	M.Sc.	12	Yes	18-07-2019	---	Adhoc Contra
100	S M Parit	28	Assistant Professor	Female	M.Sc.	12	Yes	18-07-2019	---	Adhoc Contra
101	S A Patil	26	Assistant Professor	Male	M.Sc.	12	Yes	18-07-2019	---	Adhoc Contra
102	R B Khot	24	Other	Male	B.Voc	24	Yes	20-07-2019	---	Adhoc Contra
103	S V Khondre	25	Assistant Professor	Male	DPM	24	Yes	20-07-2019	---	Adhoc Contra
104	S A Magdum	28	Assistant Professor	Female	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
105	H V Talandage	32	Assistant Professor	Female	M.Sc.	24	Yes	20-07-2019	---	Adhoc Contra
106	P R Pujari	24	Assistant Professor	Male	M.Sc.	12	Yes	20-07-2019	---	Adhoc Contra
107	T S Shirdhone	30	Assistant Professor	Female	M.Sc.	24	Yes	20-07-2019	---	Adhoc Contra
108	Tare S A	30	Assistant Professor	Female	M.A	24	Yes	19-07-2019	---	Adhoc Contra

 I agree



ANEKANT EDUCATION SOCIETY'S
JAYSINGPUR COLLEGE,
JAYSINGPUR

INTERNAL QUALITY
ASSURANCE CELL
(IQAC)






PROCEEDING BOOK
ACADEMIC YEAR
2020-2021







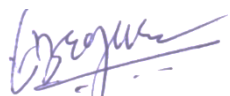




Internal Quality Assurance Cell



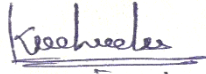



Meeting No. 1 (Planning Meeting)

1. **Name of the committee** : Internal Quality Assurance Cell
2. **Date** : Thursday, 16th July 2020
3. **Meeting No** : 01 (2020-2021)
4. **Meeting Time** : 11.30 a.m.
5. **Meeting Place** : Online (Zoom Platform)
6. **Chairman of the meeting** : Prin. Dr. R. R. Kumbhar
7. **Coordinator of the committee** : Dr. S. R. Sabale

The first meeting of the academic year 2020-21 of the members of the IQAC committee was held by online mode on Thursday, 16th July 2020 at 11.00 a.m. Following members were present in the meeting.

1	Prin. Dr. R. R. Kumbhar	Chairman	
2	Dr. S. R. Sabale	Coordinator	
3	Dr. P.P. Chikode	Co-coordinator	
4	Prin. Dr. D. G. Kanase	Advisor	
5	Dr. M. R. Akkole	Management	

6	Mr. A. S. Shriguppe	Management	
7	Mrs. V. V. Chougule	Member	
8	Mrs. S. R. Nakate	Member	
9	Mr. R. D. Shinde	Member	
10	Dr. T. G. Ghatage	Member	
11	Mr. G. H. Nikam	Member	
12	Dr. B. M. Sargar	Member	
13	Miss. V. B. Devkar	Member	
14	Shri S. D. Magdum (O.S.)	Member	
15	Dr. Atique Patel	Member	
16	Dr. Vikas Jadhav	Member	

17	Mr. Sarabjit Singh Ahuja	Member	
18	Mr. Abhijeet Bhandigare	Member	
19	Mr. Yogesh M. Kurundwade	Member	
20	Miss P. A. Umaje	Member	
21	Mr. Sandip Madake	Member	
22	Sou. Madhavi Sawant	Member	

Agenda:

- [1] To review and confirm the minutes of the previous meeting
- [2] To discuss on planning of IQAC activities for the academic year 2020-21
- [3] To review on the status of the courses run through Karmveer Koushalya Kendra
- [4] To discuss on Institutional Development Plan
- [5] To discuss on preparation of academic calendar for the year 2020-21
- [6] To prepare annual teaching plan of individual faculty
- [7] To discuss about submission of AQAR of the academic year 2019-20
- [8] To prepare blueprint of individual time-table for all faculties
- [9] To plan for the online teaching in the period of Covid pandemic.

- [10] To discuss on the planning of arrangement of CIE.
- [11] To discuss on diagnostic test for 1st year students
- [12] To discuss on the report of Green Audit
- [13] To discuss about the MOUs, Linkages and Collaboration with ATR
- [14] To discuss on formation of various statutory, non-statutory and admission committees
- [15] To discuss the appointments of teaching and non-teaching staff
- [16] Implementation of wall papers and organization of national level online conferences, webinars and workshops
- [17] To take review on the online conference and webinar on Agriculture and Education respectively held in the month of May.
- [18] To discuss about the feedback analysis
- [19] To discuss about the arrangement of NSS and NCC extension activities
- [20] To discuss about the internal and external audit for the year 2019-20
- [21] Discussion on the issues with the permission of Chairman

Resolutions:

Following points were discussed in the meeting

1. To review and confirm the minutes of the previous meeting

The minutes of the meeting held on 10th April 2019 were read by the IQAC coordinator. These minutes were confirmed by the committee.

2. To discuss on planning of IQAC activities for the academic year 2020-21

Planning on IQAC activities for the academic year 2020-21 on the following subjects has been done

3. To review on the status of the courses run through Karmveer Koushalya Kendra

Resolution: Total 22 skill based and 8 value-added courses were introduced out of which 19 skill based and 5 value-added courses were implemented in the academic year 2019-20 through Karmveer Koushalya Kendra under the directorship of Dr. S. A. Manjare. Around 40% students were successfully admitted and completed the said courses. It was also resolved that same courses will be continued.

4. To discuss on Institutional Development Plan

Resolution: Under the Coordinatorship of Dr. S. A. Manjare, Planning committee, it was resolved that the old canteen should be shifted to new constructed area. The review also taken on the Construction of chemistry laboratory, administrative block, new toilet blocks, mathematics and statistics department, physics dark room, audio/video recording room etc. It was resolved that renovation of the Automobile Workshop should be done.

5. To discuss on preparation of academic calendar for the year 2020-21

Resolution: It was resolved that, separate committee for the academic calendar headed by Dr. S. R. Sabale should be constituted. The committee should prepare the academic calendar incorporating all the details of IQAC meeting, remedial course, bridge course, CIA, organization of workshops and national conferences, celebration of various National days, birth and death anniversary celebration of national leaders along with internal exams, annual Sports and cultural programs etc.

6. To prepare annual teaching plan of each faculty

Resolution: It was decided to ask each department to prepare an annual teaching plan as per the IQAC suggestions and format.

7. To discuss about submission of AQAR of the academic year 2019-20

Resolution: The discussion was made on the issues related to the submission of AQARs of the academic year 2020-21. It was also decided to submit the AQAR in new format by online mode on the NAAC portal before the deadline.

8. To prepare blueprint of time-table for all faculty

Resolution: It was decided that the time table of all the classes with faculty wise should be prepared under the coordinator ship of Dr. Mrs. M. V. Kale.

9. To plan for the online teaching in the period of Covid pandemic

Resolution: Due to a global Covid 19 pandemic, it was mandatory to teach students online. In this situation various options for the online teaching modes such as Zoom, Google Meet and Youtube will be considered and unanimously decided to opt any of the online mode for the teaching by the all faculty members.

10. To discuss on the planning of arrangement of CIE

Resolution: It was resolved that the continuous internal assessment should be conducted through seminar, assignments, regular topic test, surprise tests etc. by online mode during Covid.

11. To discuss on diagnostic test for 1st year students

Resolution: it was resolved that the departments should be conduct the diagnostic test for all first-year students once the admission process will be

completed. As per the IQAC policies, slow and advanced learners were identified and further steps should be taken timely.

12. To discuss about green audit

Resolution: It was decided that the Institution should go for a green audit of the whole campus and Dr. S. R. Sabale, Dr. V. B. Deokar, Dr. R. S. Dhabbe, Dr. S. D. Umdale and Dr. S. R. Patil has given the responsibility to identify the procedure and authority for green audit. Dr. Vikas Jadhav from Archana Analytical Laboratory was given responsibility of green audit.

13. To discuss about the MoUs, Linkages and Collaboration

Resolution: The review on present MoUs, linkages and collaborations has been done and it is decided to ask each department to submit the action taken report with respect to their linkages and collaborations. Each department will be instructed to add new MoUs, collaborations and linkages with various industries and institutions.

14. To discuss on formation of various statutory, non-statutory and admission committees

Resolution: The discussion on formation of various statutory and non-statutory committees has been done. It was also discussed that the admission committee should be formatted faculty wise and this responsibility should be given to all vice principals.

15. To discuss the appointments of teaching and non-teaching staff

Resolution: The appointment of supporting teaching and non-teaching staff for the academic year 2020-21 was considered. Appointment of teaching staff will be done according to the rules and regulations of Government of Maharashtra while

appointment of non-grantable post will be done as per the discussions with the management.

16. Effective implementation of wall papers and organization of national level conferences and workshops

Resolution: It was resolved to motivate the departments to organize workshops, conferences and seminars on various topics. It is also motivated to display wall papers prepared by students, organization of elocution, essay competitions one the Government will allow offline mode of teaching.

17. To take review on the online conference and webinar on Agriculture and Education respectively held in the month of May.

Resolution: One national multilingual conference on Agriculture and one national multilingual webinar on education was arranged through online mode. The reports were read in the meeting and resolved to congratulate all organizing committee for successful completion of these events.

18. To discuss about the feedback Analysis

Resolution: IQAC has discussed on the analysis of feedback taken from the all stakeholders and resolved all issues raised in the feedback.

19. To discuss about the arrangement of NSS and NCC extension activities

Resolution: It was decided to inform the NSS and NCC departments to prepare videos for the awareness of Covid-19 pandemic and preventive measures. It is also resolved to instruct NSS and NCC students to post all such videos on College YouTube channel.

20. To discuss about the internal and external audit for the year 2019-20

Resolution: The review on report of internal and external audit for the academic year 2019-20 has been taken and the issues have been resolved.

21. Discussion on the issues with the permission of Chairman

Purchase committee






Resolution: It was decided to take the subscription for Zoom App for online webinars and conferences. The purchase committee should be formatted as per the guidelines for the purchase of chemicals, glassware, stationery, sports equipment etc.







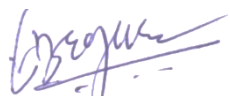




Finally, the meeting was concluded with the vote of thanks by IQAC coordinator with permission of the Chairman.



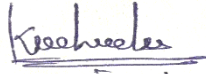



Meeting No. 2 (Terminal Review Meeting)

1. **Name of the committee** : Internal Quality Assurance Cell
2. **Date** : Tuesday, 24th November 2020
3. **Meeting No.** : 02 (2020-21)
4. **Meeting Time** : 11.00 a.m.
5. **Meeting Place** : IQAC room
6. **Chairman of the meeting** : Prin. Dr. R. R. Kumbhar
7. **Coordinator of the committee** : Dr. S. R. Sabale

The second meeting of the members of the IQAC committee was held in the IQAC Room on Tuesday, 24th November 2020 at 11.00 a.m. Following members were present in the meeting.

1	Prin. Dr. R. R. Kumbhar	Chairman	
2	Dr. S. R. Sabale	Coordinator	
3	Dr. P.P. Chikode	Co-coordinator	
4	Prin. Dr. D. G. Kanase	Advisor	
5	Dr. M. R. Akkole	Management	

6	Mr. A. S. Shriguppe	Management	
7	Mrs. V. V. Chougule	Member	
8	Mrs. S. R. Nakate	Member	
9	Mr. R. D. Shinde	Member	
10	Dr. T. G. Ghatage	Member	
11	Mr. G. H. Nikam	Member	
12	Dr. B. M. Sargar	Member	
13	Miss. V. B. Devkar	Member	
14	Shri S. D. Magdum (O.S.)	Member	
15	Dr. Atique Patel	Member	
16	Dr. Vikas Jadhav	Member	

17	Mr. Sarabjit Singh Ahuja	Member	
18	Mr. Abhijeet Bhandigare	Member	
19	Mr. Yogesh M. Kurundwade	Member	
20	Miss P. A. Umaje	Member	
21	Mr. Sandip Madake	Member	
22	Sou. Madhavi Sawant	Member	

Agenda:

- [1] To review and confirm the minutes of the previous meeting
- [2] To review on the status of the AQAR and discussion on SSR submission.
- [3] To take a review of Research Committee
- [4] To motivate the faculties for workshop, seminars, symposia, conferences, orientation programs and FDP online mode.
- [5] To review on the webinars organized by various Departments.
- [6] To take Review on Online teaching.
- [7] To depute the faculties for exam and assessment work

- [8] To review on online examination arranged by University.
- [9] To discuss regarding printing of journals (Printing and Publishing Department)
- [10] To discuss on the installation of Sanitary pad vending machine and incineration unit.
- [11] Discussion on the issues with the permission of Chairman

Resolutions:

- [1] The minutes of the previous meeting were read and confirmation was given unanimously by all the members.
- [2] Dr. S. R. Sabale has given the review of the submission of AQAR for the academic year 2019-20. He also informed that the AQAR has been accepted by NAAC. Furthermore it was resolved that, the SSR should be submitted before validity.
- [3] The review of the reports of MRP sanctioned during the last academic year has been taken. It was also decided that to call proposals the present academic year.
- [4] Teaching faculties should be motivated to participate in workshop, seminars, and symposia, conferences, orientation programs and FDP by online mode.
- [5] The review has been taken on the webinars organized by online mode. It was decided to congratulate all the organizing committees for successful arrangement of 12 webinars.
- [6] The review of online teaching was taken and it was found that about 50% students were able to participate in the online lectures. It was decided to send the reports to the Joint Director, Higher Education, Kolhapur.
- [7] The faculty members were deputed for the evaluation, practical exam work of University as per the Shivaji University guidelines.






- [8] The directions were given to prepare program for internal and external exams as well as deputation of supervisors for semester exams. Dr. S. A. Manjare was appointed as COE.
- [9] It was resolved that the journals required for the all departments will be printed in the Anekant printing press of the college.
- [10] Taking into the consideration of hygiene of girl students, it was suggested to install Sanitary pad vending machine and incineration unit for the disposal of pads.







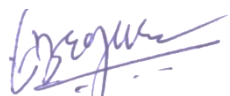




The meeting was concluded with the vote of thanks by IQAC coordinator with the permission of Chaiman.



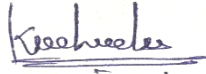



Meeting No. 3 (Plan Modification Meeting)

- 1. Name of the committee** : Internal Quality Assurance Cell
2. Date : Saturday, 20th February 2021.
3. Meeting No : 03 (2020-21)
4. Meeting Time : 12.30 pm
5. Meeting Place : IQAC room
6. Chairman of the meeting : Prin. Dr. R. R. Kumbhar
7. Coordinator of the committee : Dr. S. R. Sabale

The third meeting of the members of the IQAC committee was held in the IQAC Room on Saturday, 20th February 2021 at 12.30 p.m. Following members were present in the meeting.

1	Prin. Dr. R. R. Kumbhar	Chairman	
2	Dr. S. R. Sabale	Coordinator	
3	Dr. P.P. Chikode	Co-coordinator	
4	Prin. Dr. D. G. Kanase	Advisor	
5	Dr. M. R. Akkole	Management	

6	Mr. A. S. Shriguppe	Management	
7	Mrs. V. V. Chougule	Member	
8	Mrs. S. R. Nakate	Member	
9	Mr. R. D. Shinde	Member	
10	Dr. T. G. Ghatage	Member	
11	Mr. G. H. Nikam	Member	
12	Dr. B. M. Sargar	Member	
13	Miss. V. B. Devkar	Member	
14	Shri S. D. Magdum (O.S.)	Member	
15	Dr. Atique Patel	Member	
16	Dr. Vikas Jadhav	Member	

17	Mr. Sarabjit Singh Ahuja	Member	
18	Mr. Abhijeet Bhandigare	Member	
19	Mr. Yogesh M. Kurundwade	Member	
20	Miss P. A. Umaje	Member	
21	Mr. Sandip Madake	Member	
22	Sou. Madhavi Sawant	Member	

Agenda:

- [1] To review and confirm the minutes of the previous meeting
- [2] To take review on documentation and SSR preparation.
- [3] To take survey of campus for green audit
- [4] To discuss about the arrangement of alumni meet
- [5] To discuss about arrangement of Science Festival, Rangoli Competition and intra college poster presentation.
- [6] To organize gender promotion programs
- [7] To take a review on the NIRF and MIS reports
- [8] To discuss on planning of AAA

- [9] To take review on newly installed solar panels
- [10] Discussion on the issues with the permission of Chairman

Resolutions:

- [1] The minutes of the previous meeting were read and confirmation was given unanimously.
- [2] The review was taken on the preparation and documentation of SSR. It was also decided that IQAC Coordinator and all criteria conveners should arrange a presentation for teaching, nonteaching staff and management. It was also decided to submit IIQA in the first week of March 2021.
- [3] The Green Audit report was prepared and the review has been taken.
- [4] It was resolved that alumni meets should be arranged with the coordination of Alumni Association.
- [5] It was decided to celebrate Science Day with the key programs like poster presentation, Rangoli and Model Presentation along with the arrangement of Women Science Congress.
- [6] It was decided to organize the different gender promotion programs.
- [7] The review on the report of NIRF and MIS was taken.
- [8] It was decided to prepare AAA reports and organize expert committee for review.
- [9] The review was taken on the newly installed 40kw solar panels. The information has been received that the electricity bill is reduced to approximately 92%.
- [10] Discussion on the issues with the permission of Chairman

A. It was decided to make an arrangement of the financial need to submit the IIQA and SSR.

B. It was also resolved that all necessary requirements for NAAC will be arranged on the priority basis

There was no other issue/agenda hence the meeting was concluded with the vote of thanks by IQAC coordinator.


IQAC - Coordinator
Jaysingpur College, Jaysingpur




Principal
PRINCIPAL
Jaysingpur College, Jaysingpur

Memorandum of Collaboration

between

1) **Dr. Jayvant B. Patade, Assistant Professor, Department of Mathematics, Jaysingpur College, Jaysingpur, India**

and

2) **Dr. Sachinkumar Bhalekar, Associate Professor, School of Mathematics and Statistics, University of Hyderabad, India.**

Dr. Jayvant B. Patade on behalf of the Mathematics Department of the Jaysingpur College, Jaysingpur (Party 1) has been in general agreement with **Dr. Sachinkumar Bhalekar**, Associate Professor, School of Mathematics and Statistics, University of Hyderabad, India (Party 2) from 05.05.2020.

Both the parties have agreed to establish collaboration in the field of research and development. The main intention of this collaboration is to enhance the research activities. The general terms of the agreement are

1. To share the research literature
2. To share the innovative ideas
3. To share the knowledge and information
4. To publish papers/ books jointly
5. To prepare and submit the joint projects to Government or Non-Government agencies.

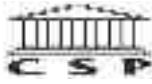


Dr. Jayvant B. Patade



Dr. Sachinkumar Bhalekar

Date: 05.05.2020



Modified DJ method: Application to Boussinesq equation

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Abstract. In this paper we present a modification of DJ Method [J. Math. Anal. Appl. 316 (2006), 753-763] to solve the nonlinear equations more efficiently. It is observed that the modified DJ method is faster and hence it has accelerated convergence rate as compared to the old one. We use this new method to find the analytical solutions of Boussinesq equation. The reported results are compared with the exact solutions. Further, we compare the absolute error in our solution with those in other iterative methods. It is observed that the presented method is simple and generates more accurate solutions as compared with other methods.

1 Introduction

Differential dynamical systems are efficient tools employed by researchers to model various natural phenomena. The classical equations such as ordinary and partial differential equations [1, 2, 3, 4], delay differential equations [5] and integral equations [6] are widely used for this purpose. The more accurate models viz. fractional differential equations [7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] became popular in the last few decades.

Various methods viz. Adomian decomposition method [18], homotopy perturbation method [19, 20, 21, 22], Daftardar-Gejji and Jafari Method (DJM) [23], fractional iteration method [24] and spectral collocation method [25] are proposed to solve these equations.

Boussinesq equation introduced by French mathematician Joseph Boussinesq has the form

$$u_{tt} + pu_{xx} + q(u^2)_{xx} + ru_{xxx} = 0, \quad (1.1)$$

where p, q and r are constants. The Boussinesq equation have several applications in the real world. This equation play an important role in modeling various phenomena such as long waves in shallow water [26], one dimensional nonlinear lattices waves [27], vibration in a nonlinear string [28], electromagnetic waves in dielectric materials [29] and so on. Many researchers have been used analytical methods to solve Boussinesq equation such as variational iteration method [30], modified

²⁰¹⁰ **Mathematics Subject Classification** 35G25; 35C10; 81Q05

Keywords: Boussinesq equation; DJ method; modified DJ method; series solution

variational iteration method [31, 32], Adomian decomposition method and homotopy perturbation method [33, 34]. Recently Malek et al. [35] have used potential symmetries method to solve Boussinesq equation.

The Daftardar-Gejji and Jafari Method (DJM) [23] is a simpler and more efficient technique used to solve various equations such as fractional differential equations [36], partial differential equations [37], boundary value problems [38], evolution equations [39], system of nonlinear functional equations [40], algebraic equations [41] and so on. The method is successfully employed to solve Newell-Whitehead-Segel equation [42], Fisher's equation [43], Ambartsumian equation [44], fractional-order logistic equation [45] and some nonlinear dynamical systems [46, 47]. In [48, 49] we provided the series solutions of pantograph equation in terms of new special functions. Recently DJM has been used to generate a new numerical methods [50, 51, 52] for solving differential equations.

In this manuscript we consider the solution of Boussinesq equation by using modified DJM. We organize the paper as follows:

The DJM is described briefly in Section 2 and the modified DJM is described in section 3. A general technique used to solve Boussinesq equation using modified DJM is described in Section 4. Section 5 deals with illustrative examples and the conclusions are summarized in Section 6.

2 Daftardar-Gejji and Jafari Method

In this section we describe the Daftardar-Gejji and Jafari Method (DJM) [23], which is useful for solving the nonlinear equations of the form

$$u = f + L(u) + N(u), \quad (2.1)$$

where f is a source term, L and N are linear and nonlinear operators respectively. It is assumed that the DJM solution for the Eq.(2.1) has the form:

$$u = \sum_{i=0}^{\infty} u_i. \quad (2.2)$$

The convergence of series (2.2) is proved in [53].

Since L is linear

$$L\left(\sum_{i=0}^{\infty} u_i\right) = \sum_{i=0}^{\infty} L(u_i). \quad (2.3)$$

The nonlinear operator N in Eq.(2.1) is decomposed by Daftardar-Gejji and Jafari as bellow:

$$\begin{aligned} N\left(\sum_{i=0}^{\infty} u_i\right) &= N(u_0) + \sum_{i=1}^{\infty} \left\{ N\left(\sum_{j=0}^i u_j\right) - N\left(\sum_{j=0}^{i-1} u_j\right) \right\} \\ &= \sum_{i=0}^{\infty} G_i, \end{aligned} \quad (2.4)$$

where $G_0 = N(u_0)$ and $G_i = \left\{ N\left(\sum_{j=0}^i u_j\right) - N\left(\sum_{j=0}^{i-1} u_j\right) \right\}$, $i \geq 1$.

Using equations (2.2), (2.3) and (2.4) in Eq.(2.1), we get

$$\sum_{i=0}^{\infty} u_i = f + \sum_{i=0}^{\infty} L(u_i) + \sum_{i=0}^{\infty} G_i. \quad (2.5)$$

From Eq.(2.5), the DJM series terms are generated as bellow:

$$\begin{aligned} u_0 &= f, \\ u_{m+1} &= L(u_m) + G_m, \quad m = 0, 1, 2, \dots \end{aligned} \quad (2.6)$$

In practice, we take the approximation

$$u = \sum_{i=0}^{k-1} u_i \quad (2.7)$$

for suitable integer k .

The convergence results for DJM are described in [53].

3 Modified Daftardar-Gejji and Jafari Method

In [54] Wazwaz proposed a modification in ADM to generate a rapidly converging solution series. Using same technique we modify the Daftardar-Gejji and Jafari method as follows:

We assume that

$$f = f_1 + f_2. \quad (3.1)$$

Then Eq.(2.1) can be written as

$$u = f_1 + f_2 + L(u) + N(u). \quad (3.2)$$

The modified DJM is described as:

$$\begin{aligned} u_0 &= f_1, \\ u_1 &= f_2 + L(u_0) + G_0, \\ u_{m+1} &= L(u_m) + G_m, \quad m = 1, 2, 3, \dots \end{aligned} \quad (3.3)$$

It is obvious that the simpler form of u_0 in MDJM result in the reduction of computations and accelerates the convergence rate. The convergence results for MDJM are similar as that of DJM.

Theorem 1. [53] If N is $C^{(\infty)}$ in a neighborhood of y_0 and $\|N^{(n)}(y_0)\| \leq L$, for any n and for some real $L > 0$ and $\|y_i\| \leq M < \frac{1}{e}$, $i = 1, 2, \dots$, then the series $\sum_{n=0}^{\infty} G_n$ is absolutely convergent to N and moreover,

$$\|G_n\| \leq LM^n e^{n-1} (e - 1), \quad n = 1, 2, \dots$$

Theorem 2. [53] If N is $C^{(\infty)}$ and $\|N^{(n)}(y_0)\| \leq M \leq e^{-1}$, $\forall n$, then the series $\sum_{n=0}^{\infty} G_n$ is absolutely convergent to N .

4 Applications

A bidirectional solitary wave solution of Eq.(1.1) discussed in [55] and is given by

$$u(x, 1) = -\frac{3(\alpha^2 + p)^{\frac{1}{2}}}{2q} \operatorname{sech}^2 \left[\frac{1}{2} \left(\frac{\alpha^2 + p}{-r} \right)^{\frac{1}{2}} (x \pm \alpha t) + \beta \right], \quad (4.1)$$

where α and β are constants and the initial conditions are

$$u(x, 0) = \frac{3(\alpha^2 + p)^{\frac{1}{2}}}{2q} \operatorname{sech}^2 \left[\frac{1}{2} \left(\frac{\alpha^2 + p}{-r} \right)^{\frac{1}{2}} x + \beta \right], \quad (4.2)$$

$$u_t(x, 0) = \mp \frac{3\alpha(\alpha^2 + p)^{\frac{3}{2}}}{2q(-r)^{\frac{1}{2}}} \operatorname{sech}^2 \left[\frac{1}{2} \left(\frac{\alpha^2 + p}{-r} \right)^{\frac{1}{2}} x + \beta \right] \\ \tanh \left[\frac{1}{2} \left(\frac{\alpha^2 + p}{-r} \right)^{\frac{1}{2}} x + \beta \right]. \quad (4.3)$$

The equivalent integral equation of (1.1) is

$$u(x, t) = \frac{3(\alpha^2 + p)^{\frac{1}{2}}}{2q} \operatorname{sech}^2 \left[\frac{1}{2} \left(\frac{\alpha^2 + p}{-r} \right)^{\frac{1}{2}} x + \beta \right] \\ \mp \frac{3\alpha(\alpha^2 + p)^{\frac{3}{2}}}{2q(-r)^{\frac{1}{2}}} \operatorname{sech}^2 \left[\frac{1}{2} \left(\frac{\alpha^2 + p}{-r} \right)^{\frac{1}{2}} x + \beta \right] \\ \tanh \left[\frac{1}{2} \left(\frac{\alpha^2 + p}{-r} \right)^{\frac{1}{2}} x + \beta \right] t \\ - \int_0^t (u_{xx} + u_{xxx}) dx - \int_0^t (u^2)_{xx} dx. \quad (4.4)$$

This Eq.(4.4) is of the form Eq.(3.2). Using Eq.(3.3), the modified DJM series terms are generated as bellow:

$$u_0(x, t) = -\frac{3(\alpha^2 + p)^{\frac{1}{2}}}{2q} \operatorname{sech}^2 \left[\frac{1}{2} \left(\frac{\alpha^2 + p}{-r} \right)^{\frac{1}{2}} x + \beta \right], \quad (4.5)$$

$$u_1(x, t) = \mp \frac{3\alpha(\alpha^2 + p)^{\frac{3}{2}}}{2q(-r)^{\frac{1}{2}}} \operatorname{sech}^2 \left[\frac{1}{2} \left(\frac{\alpha^2 + p}{-r} \right)^{\frac{1}{2}} (x \pm \alpha t + \beta) \right] \\ \tanh \left[\frac{1}{2} \left(\frac{\alpha^2 + p}{-r} \right)^{\frac{1}{2}} (x \pm \alpha t + \beta) \right] t \\ - \int_0^t ((u_0(x, t))_{xx} + (u_0(x, t))_{xxx}) dx \\ - \int_0^t (u_0^2(x, t))_{xx} dx, \quad (4.6)$$

$$u_{n+1}(x, t) = - \int_0^t \left(\left(\sum_{i=0}^n u_i(x, t) \right)_{xx} + \left(\sum_{i=0}^n u_i(x, t) \right)_{xxx} \right) dx \\ - \int_0^t \left(\sum_{i=0}^n u_i(x, t) \right)_{xx}^2 dx \\ + \int_0^t \left(\sum_{i=0}^{n-1} u_i(x, t) \right)_{xx}^2 dx, \quad n = 1, 2, 3, \dots \quad (4.7)$$

5 Illustrative examples

Besides equation Eq.(1.1), there are few more PDEs which are called Boussinesq equation. In this section, we solve such equations using MDJM.

Example 1. Consider the Boussinesq equation [33]

$$u_{tt} - u_{xx} + 3(u^2)_{xx} + u_{xxxx} = 0, \quad (5.1)$$

with initial conditions

$$u(x, 0) = \frac{c}{2} \operatorname{sech}^2 \left[\frac{\sqrt{c}}{2}(x+1) \right], \quad (5.2)$$

$$u_t(x, 0) = -\frac{c^{\frac{5}{2}}}{2} \operatorname{sech}^2 \left[\frac{\sqrt{c}}{2}(x+1) \right] \tanh \left[\frac{\sqrt{c}}{2}(x+1) \right]. \quad (5.3)$$

The equivalent integral equation is

$$\begin{aligned} u(x, t) &= \frac{c}{2} \operatorname{sech}^2 \left[\frac{\sqrt{c}}{2}(x+1) \right] - \frac{c^{\frac{5}{2}}}{2} \operatorname{sech}^2 \left[\frac{\sqrt{c}}{2}(x+1) \right] \tanh \left[\frac{\sqrt{c}}{2}(x+1) \right] t \\ &+ \int_0^t (u_{xx} - u_{xxxx}) dx - 3 \int_0^t u_{xx}^2 dx. \end{aligned} \quad (5.4)$$

This Eq.(5.4) is of the form Eq.(3.2). Using Eq.(3.3), the MDJM series terms are generated as bellow:

$$u_0(x, t) = \frac{c}{2} \operatorname{sech}^2 \left[\frac{\sqrt{c}}{2}(x+1) \right], \quad (5.5)$$

$$\begin{aligned} u_1(x, t) &= -\frac{1}{8} c^2 t^2 \operatorname{sech}^4 \left[\frac{1}{2} \sqrt{c}(1+x) \right] - \frac{1}{4} c^3 t^2 \operatorname{sech}^6 \left[\frac{1}{2} \sqrt{c}(1+x) \right] \\ &- \frac{1}{4} c^{5/2} t \operatorname{sech}^2 \left[\frac{1}{2} \sqrt{c}(1+x) \right] \tanh \left[\frac{1}{2} \sqrt{c}(1+x) \right] + \dots, \end{aligned} \quad (5.6)$$

$$\begin{aligned} u_2(x, t) &= \frac{1}{48} c^3 t^4 \operatorname{sech}^6 \left[\frac{1}{2} \sqrt{c}(1+x) \right] + \frac{13}{192} c^4 t^4 \operatorname{sech}^8 \left[\frac{1}{2} \sqrt{c}(1+x) \right] \\ &- \frac{17}{192} c^5 t^4 \operatorname{sech}^{10} \left[\frac{1}{2} \sqrt{c}(1+x) \right] - \dots, \end{aligned} \quad (5.7)$$

$$\begin{aligned} u_3(x, t) &= \frac{7}{64} c^4 t^4 \operatorname{sech}^8 \left[\frac{1}{2} \sqrt{c}(1+x) \right] \\ &- \frac{17c^4 t^6 \operatorname{sech}^8 \left[\frac{1}{2} \sqrt{c}(1+x) \right]}{5760} \\ &+ \frac{47}{64} c^5 t^4 \operatorname{sech}^{10} \left[\frac{1}{2} \sqrt{c}(1+x) \right] \\ &- \frac{77c^5 t^6 \operatorname{sech}^{10} \left[\frac{1}{2} \sqrt{c}(1+x) \right]}{1920} + \dots. \end{aligned} \quad (5.8)$$

and so on.

The exact solution of Eq.(5.1) is

$$u(x, t) = \frac{c}{2} \operatorname{sech}^2 \left[\frac{\sqrt{c}}{2}x + \frac{\sqrt{c}}{2} \sqrt{1+ct} \right] \quad (5.9)$$

We compare 4-term solutions for $c = 1$ and $c = 2$ in Fig.1 and Fig.2, where MDJM solution and exact solution are shown by red and green colors respectively. From these figures, it can be observed that the modified DJM solution is well in agreement to exact solution.

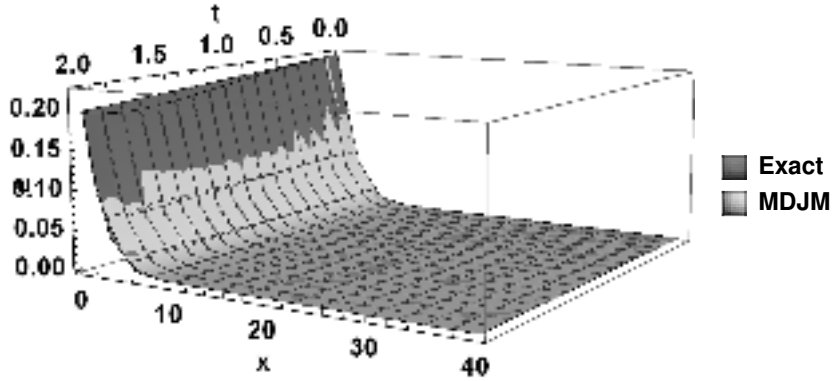


Fig. 1 Comparison of solutions of Eq.(5.1) for $c = 1$

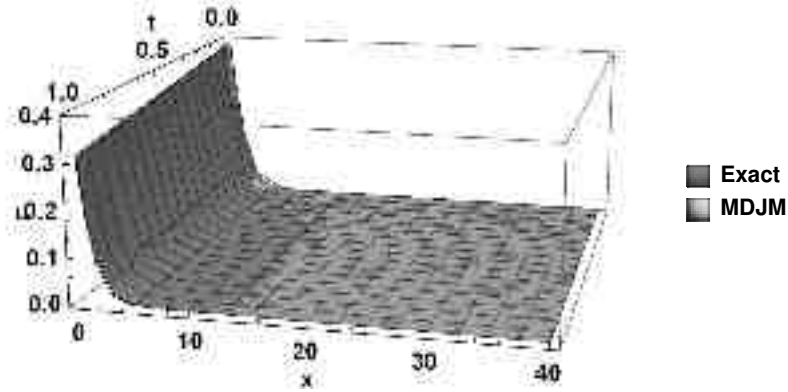


Fig. 2 Comparison of solutions of Eq.(5.1) for $c = 2$

The 6-term ADM and HPM solutions of (5.1) are given in [33] as

$$\begin{aligned}
 u(x,t) = & \frac{1}{2} \operatorname{sech}^2 \left[\frac{1}{2} \sqrt{c}(1+x) \right] \\
 & - \frac{1}{8} (-1+c) c^2 t^2 \left(-2 + \cosh[\sqrt{c}(x+1)] \operatorname{sech}^4 \left[\frac{1}{2} \sqrt{c}(1+x) \right] \right) \\
 & - \frac{1}{1280} ((-1+c)^2 c^5 t^6 (-140 + 157 \cosh[\sqrt{c}(x+1)])) - 26 \cosh[2\sqrt{c}(x+1)] \\
 & + \cosh[3\sqrt{c}(x+1)] \operatorname{sech}^{10} \left[\frac{\sqrt{c}}{2}(1+x) \right] + \dots
 \end{aligned} \tag{5.10}$$

and

$$\begin{aligned}
 u(x,t) = & \frac{1}{2} \operatorname{sech}^2 \left[\frac{1}{2} \sqrt{c}(1+x) \right] \\
 & - \frac{1}{8} (-1+c)c^2 t^2 \left(-2 + \cosh[\sqrt{c}(x+1)] \operatorname{sech}^4 \left[\frac{1}{2} \sqrt{c}(1+x) \right] \right) \\
 & - \frac{1}{30720} ((-1+c)c^3 t^4 (-475 - 6125c - 9480c^2 - 3360c^2 t^2 + \dots) \quad (5.11)
 \end{aligned}$$

respectively. We compare the errors in all these solutions in table 1 and 2.

Table 1: Absolute error in the 4-term MDJM solution and exact solution for $c = 1$.

t/x	20	25	30	35	40
0.1	3.58376×10^{-12}	2.41472×10^{-14}	1.62702×10^{-16}	1.09628×10^{-18}	7.38668×10^{-21}
0.2	1.36005×10^{-11}	9.16392×10^{-14}	6.1746×10^{-16}	4.16041×10^{-18}	2.80326×10^{-20}
0.3	2.91257×10^{-11}	1.96248×10^{-13}	1.32231×10^{-16}	8.90963×10^{-18}	6.00326×10^{-20}
0.4	4.94206×10^{-11}	3.32993×10^{-13}	2.24369×10^{-15}	1.51179×10^{-17}	1.01863×10^{-19}
0.5	7.38844×10^{-11}	4.97829×10^{-13}	3.35435×10^{-15}	2.26014×10^{-17}	1.52287×10^{-19}
0.6	1.02022×10^{-10}	6.8742×10^{-13}	4.6318×10^{-15}	3.12088×10^{-17}	2.10283×10^{-19}
0.7	1.33421×10^{-10}	8.98981×10^{-13}	6.05728×10^{-15}	4.08137×10^{-17}	2.7500×10^{-19}
0.8	1.67731×10^{-10}	1.13017×10^{-12}	7.61499×10^{-15}	5.13094×10^{-17}	3.4572×10^{-19}
0.9	2.04658×10^{-10}	1.37898×10^{-12}	9.29146×10^{-15}	6.26054×10^{-17}	4.21832×10^{-19}
1	2.43946×10^{-10}	1.64369×10^{-12}	1.10751×10^{-14}	7.46236×10^{-17}	5.0281×10^{-19}

Table 2: Absolute error in the 4-term MDJM solution and exact solution for $c = 2$.

t/x	20	25	30	35	40
0.1	1.24823×10^{-14}	1.06015×10^{-17}	9.00415×10^{-21}	7.64746×10^{-24}	6.49518×10^{-27}
0.2	4.58263×10^{-14}	3.89215×10^{-17}	3.3057×10^{-20}	2.80762×10^{-23}	2.38458×10^{-26}
0.3	9.50542×10^{-14}	8.0732×10^{-17}	6.85678×10^{-20}	5.82364×10^{-23}	4.94616×10^{-26}
0.4	1.56166×10^{-13}	1.32635×10^{-16}	1.12651×10^{-19}	9.56772×10^{-23}	8.12611×10^{-26}
0.5	2.25727×10^{-13}	1.91716×10^{-16}	1.62829×10^{-19}	1.38295×10^{-22}	1.17458×10^{-25}
0.6	3.00672×10^{-13}	2.55368×10^{-16}	2.16891×10^{-19}	1.84211×10^{-22}	1.56455×10^{-25}
0.7	3.78205×10^{-13}	3.21219×10^{-16}	2.72819×10^{-19}	2.31713×10^{-22}	1.96799×10^{-25}
0.8	4.55765×10^{-13}	3.87093×10^{-16}	3.28768×10^{-19}	2.79231×10^{-22}	2.37158×10^{-25}
0.9	5.31029×10^{-13}	4.51017×10^{-16}	3.8306×10^{-19}	3.25343×10^{-22}	2.76322×10^{-25}
1	6.01928×10^{-13}	5.11233×10^{-16}	4.34203×10^{-19}	3.6878×10^{-22}	3.13214×10^{-25}

It is observed that MDJM solution has less error than other iterative methods described above. Also we have used fewer terms of MDJM series than other methods to approximate the solution.

6 Conclusions

The Boussinesq equation is an important class of PDEs arising in applied science. Various authors proposed different methods to solve these equations. In this article, we proposed a modification to DJM viz. MDJM and used it to solve few Boussinesq equations. It is observed that the MDJM is simpler iterative method than other iterative methods. Further, the solutions obtained by using this new method are good approximation to the exact solutions. This new method can be used to solve different nonlinear problems in a more efficient way.

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Date : 26 DEC 2020

ACTION TAKEN REPORT

The collaboration letter signed between Dr. Prashant P. Chikode, Department of Physics, Jaysingpur College, Jaysingpur and Dr. Rajiv S. Vhatkar, Coordinator, Space Science, Department of Physics, Shivaji University, Kolhapur, on 12th Dec. 2019.

As per this activity, Mr. Shridhar N. Kamble, Ph.D. student of Dr. Prashant P. Chikode is working at Space Science, Department of Physics, Shivaji University, Kolhapur.

During the academic year 2020-21, following research activities has been conducted in collaboration with Department of Physics, Jaysingpur College, Jaysingpur by Shridhar N. Kamble,

1. References collected on study of ionospheric composition and plasma distribution over the EIA crest.
2. The relevant literature and research papers were collected through online and offline mode on study of ionospheric composition and plasma distribution.
3. The data collected from the radio signals (L5 (1176.45MHz) and S band (2492.028 MHz)) from IRNSS satellite constellations are continuously recorded at Panhala, Kolhapur since March, 2016.

Dr Rajiv S. Vhatkar
Coordinator,
Space Research Center, Panhala,
Shivaji University, Kolhapur

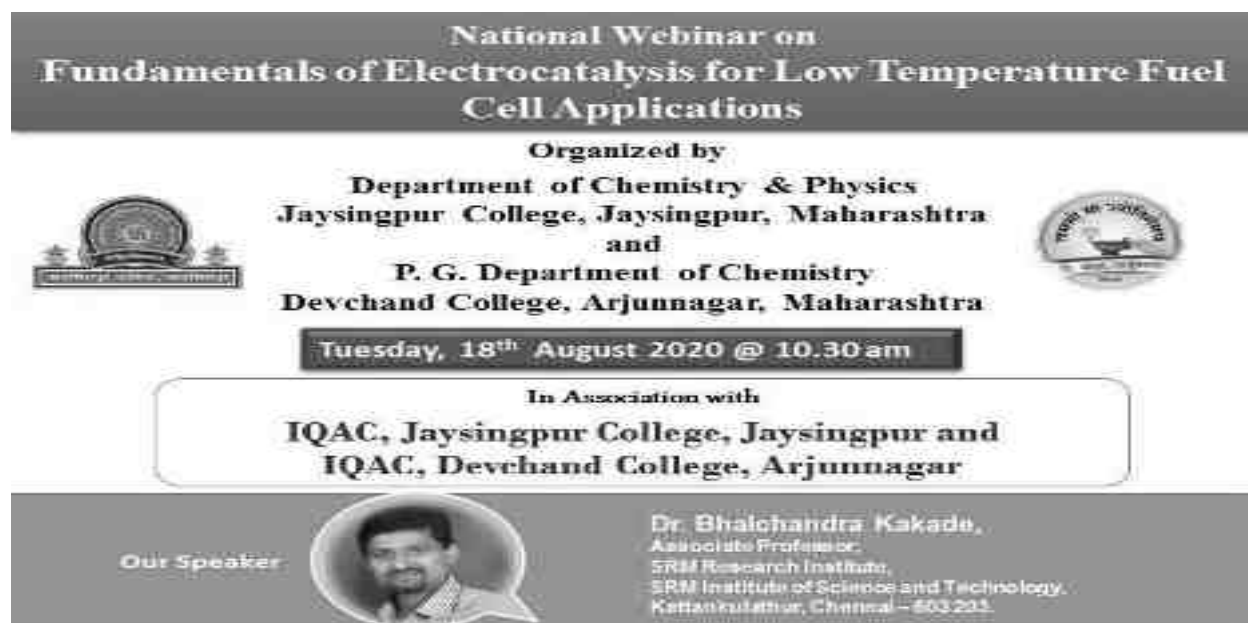
Action taken report for the academic year 2020-21 for the MoU signed between Jaysingpur College, Jaysingpur and Devchand College, Arjunnagar

Devchand College, Arjunnagar is one of the renowned college affiliated to Shivaji University and is situated on the Maharashtra-Karnataka border where the students from both the states taking opportunity for best education. The college has signed MoU with Jaysingpur College Jaysingpur on 27th July 2018 for the following fields,

1. To exchange expert faculty
2. To exchange the students of UG and PG
3. To exchange and promote research activities
4. To share laboratory and library facilities
5. To organise joint workshops, seminars, conferences etc.
6. To organise the training programs

Activities done under this MOU

1. National Webinar:




**National Webinar on
Fundamentals of Electrocatalysis for Low Temperature Fuel
Cell Applications**

Organized by
Department of Chemistry & Physics
Jaysingpur College, Jaysingpur, Maharashtra
and
P. G. Department of Chemistry
Devchand College, Arjunnagar, Maharashtra

Tuesday, 18th August 2020 @ 10.30 am

In Association with
IQAC, Jaysingpur College, Jaysingpur and
IQAC, Devchand College, Arjunnagar

Our Speaker: 

Dr. Bhalchandra Kakade,
Associate Professor,
SRM Research Institute,
SRM Institute of Science and Technology,
Kattankulathur, Chennai – 603203.

2. National Webinar:



**National Webinar on
Impact of Pesticide Residue & Its Analysis**

Organized by
**Department of Chemistry & Physics
Jaysingpur College, Jaysingpur, Maharashtra
and
P. G. Department of Chemistry
Devchand College, Arjunnagar, Maharashtra**

Tuesday, 8th September 2020 @ 11:00 am

In Association with
**IQAC, Jaysingpur College, Jaysingpur and
IQAC, Devchand College, Arjunnagar**

Our Speaker  **Mr. Ramchandra V Awalokar, M.Sc. (Ag. Chem.),
Lead Scientist (Pheromones Dept)
Russell IPM,
India**

3. National Webinar:

Report of National Webinar on Fundamentals of Career in Research: Basic Requirements and Scope

September 5, 2020

Resource Person: Mr. M. M. Kambale,

Senior Technical Manager, ADIV Pure Nature, Natural Dyeing Unit, Mumbai.

Department of Chemistry and Physics, Jaysingpur College, Jaysingpur and P.G. Department of Chemistry and Physics, Devchand College, Arjunnagar, Maharashtra organized a National Webinar on **Career in Research: Basic Requirements and Scope** on 5th Sept. 2020 in association with IQAC Jaysingpur College, Jaysingpur and IQAC Devchand College, Arjunnagar, Maharashtra. **Mr. M.M. Kambale**, Senior Technical Manager, ADIV Pure Nature, Natural Dyeing Unit, Mumbai was the resource person.

4. Teacher Exchange:

Dr. R. S. Dhabbe gave series of online lectures to M.Sc students at Devchand College, Arjunnagar.



Date: 15.10.2021

Dr. Sandip R. Sabale
In-charge of MoU
Jaysingpur College, Jaysingpur

National Webinar on Fundamentals of Electrocatalysis for Low Temperature Fuel Cell Applications

Organized by

Department of Chemistry & Physics
Jaysingpur College, Jaysingpur, Maharashtra

and

P. G. Department of Chemistry
Devchand College, Arjunnagar, Maharashtra

Tuesday, 18th August 2020 @ 10.30 am

In Association with

IQAC, Jaysingpur College, Jaysingpur and
IQAC, Devchand College, Arjunnagar

Our Speaker



Dr. Bhalchandra Kakade,
Associate Professor,
SRM Research Institute,
SRM Institute of Science and Technology,
Kattankulathur, Chennai – 603 203.

Report of National Webinar on Fundamentals of Electrolysis for Low Temperature Fuel Cell Applications

18th Aug. 2020


Resource Person: Dr. Bhalchandra Kakade,

Professor, SRM Research Institute, Chennai

Department of Chemistry and Physics, Jaysingpur College, Jaysingpur and P.G. Department of Chemistry and Physics, Devchand College, Arjunnagar, Maharashtra organized a National Webinar on Fundamentals of Electrolysis for Low Temperature Fuel Cell Applications on 18th Aug. 2020 in association with IQAC Jaysingpur College, Jaysingpur and IQAC Devchand College, Arjunnagar, Maharashtra. Dr. Bhalchandra Kakade, Professor, SRM Research Institute, Chennai was the resource person.

The publicity of webinar was done through the various whatsapp group of Physics and Chemistry teachers, students, scientist and research students. Almost 350 participants which includes teachers, students, scientist and research students from all over India registered for the webinar. A Telegram group of all these participants was created. On this group the Zoom link, Youtube link and Facebook live link was shared amongst the participants on 17th Aug.2020.

On 17th Aug.2020, IAQC coordinator Dr. S.R. Sabale welcomed all the participants. He has given the details of MOU between the Jaysingpur College, Jaysingpur and Devchand College, Arjunnagar. Principal Dr. R.R. Kumbhar addressed the participants and elaborated the work of Dr. Kakade in the Fuel cells. Dr. S.R. Sabale has given the brief introduction of Dr. Bhalchandra Kakade. The talk of Dr. Kakade begins with societal need of renewable energy. Briefly he explains need of fuel cell as compared with other fuels. He briefly explained what is fuel cell and redox reaction. He has also given the challenges for PEMFCs technology and explained the coordination of novel catalysts and membranes. With the animation digrams he has explained the use of platinum and their alloys and their surfaces. At the end of his talk he shared the number of applications of fuel cells in Industry, research and in day today appliences. Some of the participants have raised their questions in the personal chat room of Dr. Kakade. He has given the satisfactory answers to all the questions. The vote of thanks was given by Dr. P.P. Chikode and he declared that webinar was over. The feedback of all the participants was collected online through google forms and after evaluation they were satisfied with the talk. Those participants who have submitted feedback form have been given the e-certificates through mail.



TQAC - Coordinator
Jaysingpur College, Jaysingpur

Report of National Webinar on Physics of Nanomaterial Characterization

21st August 2020


Resource Person: Dr. Manish M. Kulkarni

Senior Scientific Officer, I.I.T., Kanpur

Department of Chemistry and Physics, Jaysingpur College, Jaysingpur and P.G. Department of Chemistry and Physics, Devchand College, Arjunnagar, Maharashtra organized a National Webinar on Physics of Nanomaterial Characterization on 21st Aug.2020 in association with IQAC Jaysingpur College, Jaysingpur and IQAC Devchand College, Arjunnagar, Maharashtra. Dr. Manish M. Kulkarni, Senior Scientific Officer, I.I.T., Kanpur was the resource person.

The publicity of webinar was done through the various whatsapp group of Physics and Chemistry teachers, students, scientist and research students. Almost 410 participants which includes teachers, students, scientist and research students from all over India registered for the webinar. A Telegram group of all these participants was created. On this group the Zoom link, Youtube link and Facebook live link was shared amongst the participants on 20th Aug.2020.

On 21st Aug. 2020, IAQC coordinator Dr. S.R. Sabale welcomed all the participants. He has given the details of MOU between the Jaysingpur College, Jaysingpur and Devchand College, Arjunnagar. Principal Dr. R.R. Kumbhar addressed the participants and elaborated the use of nanotechnology in day today life. Convener Dr. P. P. Chikode has given the brief introduction of Dr. Manish Kulkarni. The talk of Dr. Kulkarni begins with the various facilities available with the Advanced Technological Centre at I.I.T., Kanpur. Briefly he explains the number of facilities available with the centre. He proceeded with the introduction of nanotechnology with various examples. Then he briefly explains the working of SEM, TEM and FE-SEM, which is very useful for beginner researcher. He also elaborated the applications of nanotechnology in Industry and the current developments in the nanotechnology. He has compared the various characterization tools and their uses in Nanotechnology. He also demanded the collaborative research in Physics, Chemistry and biology for better applications. At the end of his talk he shared the web link address to avail the facilities of characterization at IIT, Kanpur. Some of the participants have raised their questions in the personal chat room of Dr. Kulkarni. He has given the satisfactory answers to all the questions. The vote of thanks was given by Dr. S.S. Mahajan and she declared that webinar was over. The feedback of all the participants was collected online through google forms and after evaluation they were satisfied with the talk. Those participants who have submitted feedback form have been given the e-certificates through mail.



IQAC - Coordinator
Jaysingpur College, Jaysingpur

National Webinar on
Impact of Pesticide Residue & Its Analysis



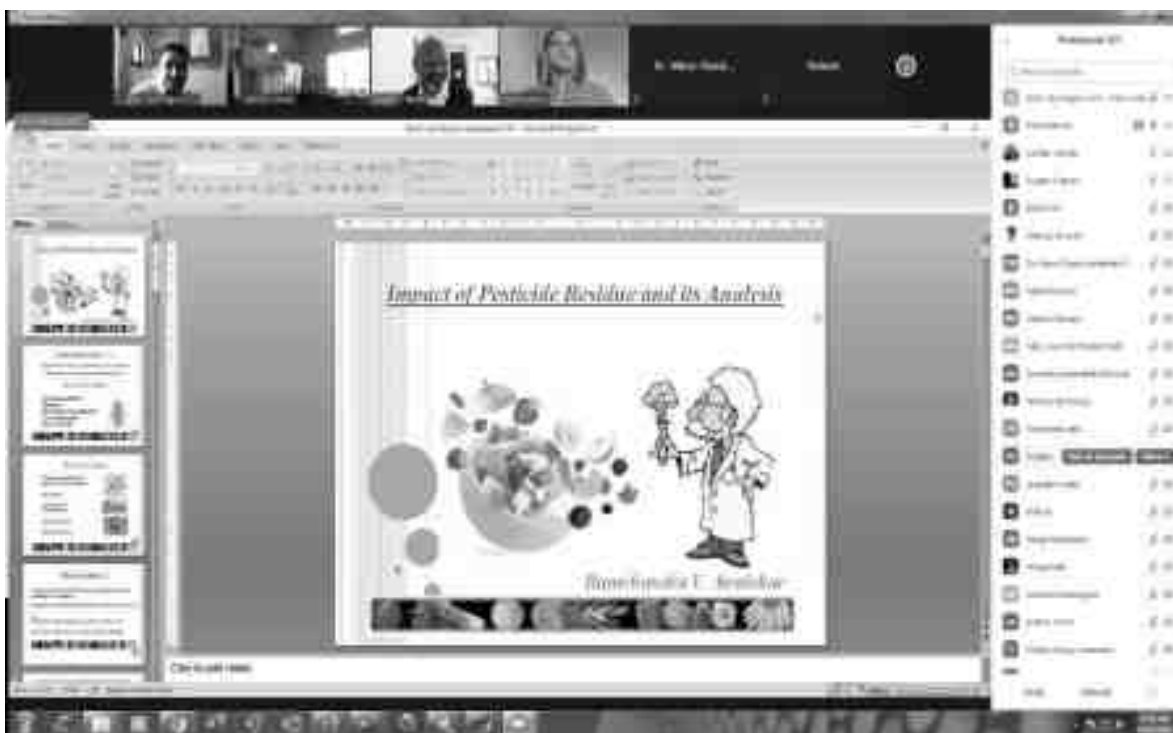
Organized by
Department of Chemistry & Physics
Jaysingpur College, Jaysingpur, Maharashtra
and
Devchand College, Arjunnagar, Maharashtra



8th September 2020

**Resource Person: Resource Person: Mr. Ramchandra V. Awalekar,
Lead Scientist (Pheromones Dept) Russell IPM, Bengaluru, India**


Department of Chemistry, Jaysingpur College, Jaysingpur and P.G. Department of Chemistry and Devchand College, Arjunnagar, Maharashtra organized a National Webinar on **Impact of Pesticide Residue and its Analysis** on 8th Sept. 2020 in association with IQAC Jaysingpur College, Jaysingpur and IQAC Devchand College, Arjunnagar, Maharashtra. **Mr. Ramchandra V. Awalekar, Lead Scientist (Pheromones Dept) Russell IPM, Bengaluru, India** was delivered his talk as a resource person.



Mr. Ramchandra V. Awalekar Presenting during webinar

The publicity of webinar was done through the various whatsapp group of Chemistry teachers, students, scientist and research students. Almost 116 participants which includes teachers, students, scientist and research students from Maharashtra, Karnataka and Gujrat registered for the webinar. A Telegram group of all these participants was created. On this group the Zoom link, Youtube link live link was shared amongst the participants on 8th Septemebr 2020.

On 8th Sept.2020, Dr. Sandip Sabale welcomed all the participants. He has given the details of MOU between the Jaysingpur College, Jaysingpur and Devchand College, Arjunnagar. Principal Dr. Rajendra Kumbhar mentioned the theme and need of pesticide residue analysis and its importance by considering the chemistry students. Mr. Sugam Chavan, Head, Dept. of Chemistry, Devchand College has given the brief introduction of resource person **Mr. Ramchandra Awalekar**. Mr. Awalekar explained the fate and impact of pesticide on the human as well as animal. His talk was started with the what is pesticide residue and its hazards. Its impact and its analysis by simple colorimetric method to GC and HPLC method. He extended his talk on hyphenated techniques like LCMSMS and GCMSMS for the analysis of these residues. Finally, he concluded his session with strategies to reduce the residues. Student participant asked some questions and he answered them satisfactorily. The vote of thanks was given by Mr. Sugam Chavan and IQAC coordinator Dr. S. R. Sabale declared that webinar was over. The feedback of all the participants was collected online through google forms and after evaluation they were satisfied with the talk. Those participants who have submitted feedback form have been given the e-certificates through mail.



IQAC - Coordinator
Jaysingpur College, Jaysingpur

Phone : Office : 08338-220112,
Website : www.devchandcollege.org
Principal Cell : 9901573365
email : devchand_college@rediffmail.com
principal@devchandcollege.org



Janata Shikshan Mandal's

DEVCHAND COLLEGE

(Jain Religious Minority Institution)
Arjun Nagar, Tal. Kagal, Dist. Kolhapur, Near NIPANI, PIN - 591237
(Affiliated to Shivaji University) 'A' Grade Accredited by NAAC (3rd Cycle)

- Govt. App. Notification (APF) Dt. 7-11-1969
- Jr. College - HSC - 1076/419XX-XII Dt. 6th May 1976

- Jr. Code - 23.07.001
- M.C.V.C. Code - 23.07.901
- U-Dir. No. - 27340806306

Principal :
Dr. P. M. Herekar
M. Com. M. Phil. Ph.D.

Ref. No. : DCA/chem/2010-21/73

Date : 30/03/2021

Dr. Rohant Dhabbe
Assistant Professor
Department of Chemistry
Jaysingpur College, JAYSINGPUR

Sub:-A letter of thanks

Respected Sir,

I on the behalf of PG Department of Chemistry of our College express my sincere thanks for having accepted our invitation as a **Guest Lecturer** and delivered a very thought provoking lecture on **Macromolecules** (Physical Chemistry) held in March, 2021. All the students have highly appreciated your lecture and also enlighten by the same. This guest lecture is a part of MoU between the institutions (Devchand College, Arjunnagar, Shivraj College, Gadhinglaj and Jaysingpur College, Jaysingpur) under the faculty exchange program as mentioned in the in the MoU signed on 25th July, 2018.

I am sure that you will cooperate in future programme those will be organized by our PG Department of Chemistry.

Thank you

P. M. Herekar
PRINCIPAL



Action taken report for the academic year 2019-20 for the

MoU signed between

Jaysingpur College, Jaysingpur and Willingdon College, Sangli

Willingdon College, Sangli is one of the renowned college affiliated to Shivaji University. The college has signed MoU with Jaysingpur College Jaysingpur for the following fields,

1. To exchange expert faculty
2. To exchange the students and research scholar
3. To exchange and promote research activities
4. To share laboratory and library facilities
5. To organise joint workshops, seminars, conferences etc.
6. To organise the training programs

Under this MoU, the following activities has been done to benefit both the parties,

Teacher Exchange:

1. Series of Guest Lectures of Dr. S. D. Jadhav for M.Sc. II organic chemistry students.
2. Guest Lectures of Dr. R. P. Kagne for M.Sc. II organic chemistry students.

Date: 15.10.2021



Dr. Sandip R. Sabale
In-charge of MoU
Jaysingpur College, Jaysingpur

Estd. - June 1964

Anekant Education Society's

॥ सिद्धिस्नेहान्तात ॥



JAYSINGPUR COLLEGE, JAYSINGPUR

of Arts, Commerce, Science & Computer Science
Jaysingpur - 416 101 Dist. Kolhapur, Maharashtra State, India
AFFILIATED TO SHIVAJI UNIVERSITY, KOLHAPUR
ACCREDITED AT THE 'A' LEVEL BY NAAC - UGC

Tel. :- (O) 225381 Tel./Fax 226481(R) 225181-- ISD (0091) - STD (02322)
website - www.jaysingpurcollege.com
e-mail - jspcollegejsp@gmail.com

Ref. No. AES/JC/

Date: - 28/07/2021.

To,
Dr. S.D.Jadhav
Willingdon College, Sangli

Dear Sir,

You have worked as Guest lecturer (Online) on Stereoselective synthesis for M.Sc. -II (Organic Chemistry) in our college. On 18, 23, 24, 28 July 2021 We are very much thankful to you for sharing your academic excellence with our students. We expect the same kind of co-operation from you in future.

Thanking you in anticipation

Yours,


Principal
PRINCIPAL

Jaysingpur College, Jaysingpur

Est'd - June 1964

Arihant Education Society's

॥ सिद्धिमेकाग्रता ॥



JAYSINGPUR COLLEGE, JAYSINGPUR

of Arts, Commerce, Science & Computer Science

Jaysingpur - 416 101 Dist. Kolhapur, Maharashtra State, India

AFFILIATED TO SHIVAJI UNIVERSITY, KOLHAPUR

ACCREDITED AT THE 'A' LEVEL BY NAAC - UGC

Tel. :- (0) 225381 Tel./Fax 226481(R) 225181 - ISD (0091) - STD (02322)

website - www.jaysingpurcollege.com

e-mail - jspcollegejsp@gmail.com

Ref. No. AES/JCJ/

Date: - 14 /03/2021.


To,
Dr. R.P.Kagne
Willingdon College, Sangli

Dear Sir,

You have worked as Guest lecturer on Pericyclic reactions for M.Sc. -II (Organic Chemistry) in our college. On 12th & 14th March 2021 We are very much thankful to you for sharing your academic excellence with our students. We expect the same kind of co-operation from you in future.

Thanking you in anticipation

Yours,


Principal
PRINCIPAL

Jaysingpur College, Jaysingpur

Estd. - June 1964

Anekant Education Society's

॥ सिद्धिरनेकान्तात् ॥



JAYSINGPUR COLLEGE, JAYSINGPUR

of Arts, Commerce, Science & Computer Science

Jaysingpur - 416 101 Dist. Kolhapur, Maharashtra State, India

AFFILIATED TO SHIVAJI UNIVERSITY, KOLHAPUR

ACCREDITED AT THE 'A' LEVEL BY NAAC - UGC

Tel. :- (O) 225381 Tel./Fax 226481(R) 225181-- ISD (0091) - STD (02322)

website - www.jaysingpurcollege.com

e-mail - jspcollegejsp@gmail.com

Ref. No. AES/JCJ/

Date - 19 /07/2021.

To,
Dr. R.P.Kagne
Willington College, Sangli

Dear Sir,

You have worked as Guest lecturer (Online) on Molecular Orbital theory for M.Sc. -II (Organic Chemistry) in our college. On 12, 16, 17, 19 July 2021 We are very much thankful to you for sharing your academic excellence with our students. We expect the same kind of co-operation from you in future.

Thanking you in anticipation

Yours,


Principal

PRINCIPAL

Jaysingpur College, Jaysingpur

**Action taken report for the academic year 2019-20 for the
MoU signed between
Jaysingpur College, Jaysingpur and D. Y. Patil University,
Kolhapur**

Dr. D. Y. Patil University is one of the renowned Deemed University in Kolhapur District. The Centre for Interdisciplinary Research of this university has signed MoU with Jaysingpur College Jaysingpur on 28.05.2019 for the following fields,

1. To exchange expert faculty
2. To exchange the students and research scholar
3. To exchange and promote research activities
4. To share laboratory and library facilities
5. To organise joint workshops, seminars, conferences etc.
6. To organise the training programs

Under this MoU, the following activities has been done to benefit both the parties,

1. 15 students and staff are involved in this MOU, and shared a research facility like IR, UV, BET and XRD.
2. Satish Jadhav is worked in chemistry department from 1st June 2020 to 30th June 2020 for his collaborative research work.
3. Published joint research papers
 - I. SB Jadhav, DB Malavekar, SB Kale, SR Sabale, UM Patil, CD Lokhande, PN Pawaskar, Reliable glucose sensing properties of electrodeposited vertically aligned manganese oxide thin film electrode, Applied Physics A, 127 (5) 2021, 1-9
 - II. JS Shaikh, NS Shaikh, Yogendra Kumar Mishra, P Kanjanaboos, PM Shewale, S Sabale, S Praserthdam, CD Lokhande, Low-cost Cu-based inorganic hole transporting materials in perovskite solar cells: Recent progress and state-of-art developments, Materials Today Chemistry, 20, 100427, 2021.
 - III. Jasmin S Shaikh, Navajsharif S Shaikh, Yogendra Kumar Mishra, SS Pawar, Nazish Parveen, Poonam M Shewale, Sandip Sabale, Pongsakorn Kanjanaboos, Supareak Praserthdam, Chandrakant D Lokhande, The implementation of graphene-based aerogel in the field of supercapacitor, Nanotechnology, 32 (36) 2021.

Date: 15.10.2021



Dr. Sandip R. Sabale
In-charge of MoU



महाराष्ट्र शासन / Maharashtra Government
 शासनात्मक प्रतीक 2017

SG 835649



08 DEC 2017

SUB-TREASURY OFFICER

SHIVAJINAGAR

दस्त नोंदणी करणार आहेत का? होय/नाही

नों.पी होणार असल्यास दुय्यम निबंधक कार्यालयाचे नांव

मुद्रांक विक्रेत्याचे नांव :- नों. विद्या तुळना कन्याया शा.जयसिंगपूर

का. नं. 21/2009, प.अ. 20/1998, दिनांक-पेट नं. 33 वाचा ही. सोला. जयसिंगपूर

मुद्रांक किंती रकम :- 6800 दिनांक :- 08/01/2017

मुद्रांक शुल्क किंती रुपये :- 900/-

मुद्रांक विक्रय घेणाऱ्याचे नांव :- शतचित्त अनेकांत एम्बुलेशन सेवा स्थानिक समिती, जयसिंगपूर

दुसऱ्या पक्षकाराचे नांव :- जयसिंगपूर शहर जयसिंगपूर

हस्त असल्यास त्याचे नांव व पत्ता :- अजय अमोलचंद चानरे, जयसिंगपूर

मिळकतीचे वर्णन :- (DL NO. 111103 20100014403) ✓ karnar

मुद्रांक विक्रेताची सही

मुद्रांक विक्रय घेणाऱ्याची सही

घोषटला राक्षस रूपणे :-

ज्या कारणासाठी ज्यांनी मुद्रांक खरेदी केला त्यांनी त्याच कारणासाठी मुद्रांक खरेदी केल्याबाबत ६ महिन्यात कायस्थे बघवकारक आहे.

Memorandum of Understanding (MOU)

Between

1) Principal,

Jaysingpur College, Jaysingpur, Affiliated to Shivaji University, Kolhapur

Tal-Shirol, Dist-Kolhapur. PIN-416301

Wishes to sign MOU with,

2) Principal,

D.B.F. Dayanand College of Arts and Science, Solapur, Affiliated to Solapur

University, Solapur. Dist-Solapur. PIN-413003



The multi disciplinary and multi institutional approach is necessary in the field of teaching, learning and research to enhance the quality for the said cause. Dr. Mrs. S.S. Mahajan, Head, Department of Physics, Jaysingpur College, Jaysingpur will represent Jaysingpur College, Jaysingpur henceforth will called as party I and Dr. D.S. Sutrave on behalf of Dept. of Electronics, D.B.F. Dayanand College of Arts and Science, Solapur henceforth it will be called as party II.

The party I wish to extend its cooperation and exchange of faculty, infrastructure and sharing of research facilities. The party II has specialized equipment's required for high quality research in materials science like spray pyrolysis, Chemical Bath Deposition (CBD), SILAR, Potentiostat etc. will be made available to the students and researchers from Party I. In addition to that there will be faculty exchange programme in both colleges. The principal of party I will allow to teachers and students to visit college of party II for learning and research purpose. The travelling charges will be browned by visiting college while if possible both the college will try to provide temporary accommodation in hostel or elsewhere.

The faculty and students from party II will visit the party I college for academic exchange or sharing of research facilities. Party I has state of art analytical laboratory with UV visible spectrophotometer, HPLC, FTIR, BET apparatus, Density meter, Atomic Absorption Spectrometer etc. Both the parties will provide the laboratory facilities free of cost or with minimum charges.

The MOU will effect from the date of signing of both the parties and ATR and review report will be shared every year so as to increase fruitfulness of the linkage.

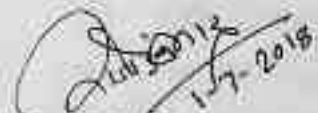
The memorandum may be terminated by either party after mutual discussion or it can be extended to five years. A small apex committee (not more than five members) will coordinate the exchange activities between the two parties.


(3)

The Apex committee will be as bellow.

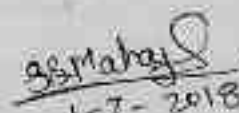
- 1) Principal Rajendra R. Kumbhar, Jaysingpur College, Jaysingpur
- 2) Principal Vijaykumar P. Ubale, D.B.F. Dayanand College of Arts and Science, Solapur.
- 3) Dr. Mrs. Smita S. Mahajan, Jaysingpur College, Jaysingpur
- 4) Dr. Dattatraye S. Sutrave, D.B.F. Dayanand College of Arts and Science, Solapur.
- 5) Dr. Prashant P. Chikode, Jaysingpur College, Jaysingpur





Principal Rajendra R. Kumbhar
Jaysingpur College, Jaysingpur


Principal Vijaykumar P. Ubale
D.B.F. Dayanand College of Arts and
Science, Solapur

Witness :- (1) Dr. Mrs. Smita S. Mahajan


1-7-2018

(2) Dr. Dattatraye S. Sutrave


1/7/2018



Dr. D. S. Sutrave

M.Sc., M.Phil., Ph.D

DEPARTMENT OF ELECTRONICS

D. B. F. Dayanand College of Arts &
Science, Solapur, M.S, India-413002

(NAAC Accredited 'A' Grade)

(College with Potential for Excellence)

drassdattatray@gmail.com

9422026583

0217-2323193

0217 2728900

ACTIVITY REPORT

1 July 2020

The MoU signed between Principal Jaysingpur College, Jaysingpur and Principal DBF Dayanand College of Arts and Science, Solapur on 1st July 2018

The request received from Miss Savita Gavandi a research scholar working for Ph.D. under the guidance of Dr. S. S. Mahajan, from Jaysingpur College, Jaysingpur.

The Following research activities are conducted in the month of 1st January 2020 to 30th June 2020.

- Miss Savita Gavandi deposited Nickel Copper oxide thin films on quartz glass and stainless steel using high purity AR grade chemicals like Cupric Chloride and Nickel Chloride by Sol-Gel Spin Coating technique. For this Millman Spin Coater System is used.
- Miss Savita Gavandi worked in our research laboratory to set different parameter like temperature, deposition time, spin time etc.
- The candidate synthesized uniform thin films of Nickel Copper oxide on glass as well as on steel substrate.
- The samples were tested for the phase formation by X- ray diffraction pattern.

S.S. Mahajan

Head
Department of Physics
(Sr. College)

Dr. D. S. Sutrave

Prof. D. S. Sutrave

Dr. D. S. Sutrave

M.Sc., M.Phil., Ph.D
DEPARTMENT OF ELECTRONICS
D. B. F. Dayanand College of Arts &
Science, Solapur, M.S, India- 413002
(NAAC Accredited 'A' Grade)
(College with Potential for Excellence)

ACTIVITY REPORT

1 January 2021

The MoU signed between Principal Jaysingpur College, Jaysingpur and Principal DBF Dayanand College of Arts and Science, Solapur on 1st July 2018

The request received from Miss Savita Gavandi a research scholar working for Ph.D. under the guidance of Dr. S. S. Mahajan, from Jaysingpur College, Jaysingpur.

The Following research activities are conducted in the month of 1st July 2020 to 31st December 2020.

- Miss Savita Gavandi is collected data from XRD pattern obtained.
- The candidate analyses collected data in last 1 year.
- The reference work was done.

Head
Department of Physics
(Jr. College)

Prof. D. S. Sutrave


Date- 15/03/2021

Action Taken Report
Jaysingpur College, Jaysingpur
&

Oasis Bio-control Laboratory, Shirol

As per the MoU made between Botany Department and Oasis Bio-control Laboratory, Shirol dated 9th July, 2019, research projects were allotted to students of class B.Sc.III. for the year 2020-21. The projects are to be carried out in collaboration with Botany department. The owner of laboratory Mr. Pravin Mali has provided seed money - (funding) of Rs.10,000/- to carry out the projects. (Cheque No. 041458 dated 15/3/2021 Central Bank of India). Following projects were allotted to the students

- 1 Effect of Bio-proming on growth parameters of maize.
- 2 Antimicrobial and Insecticidal activities of some plant parts.
- 3 Effect of organic manure enriched with beneficial microbial culture on tomato plantation in saline soil.
- 4 Duration of the project is 3 months. The students are performing the work which is in progress


Head
Department of Botany

Head Department of Botany

Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli
Department of Chemistry
M. Sc. Analytical Chemistry
(2020-21)

Name: Dr. Rohant S Dhabbe	
College Name: Jaysingpur College, Jaysingpur	
Class: M. Sc. II	Semester: IV
Title of Paper: Modern Separation Methods	Topics Allotted: Advanced liquid chromatography (01)
No. of lectures taken: 11	Email: rsdhabbe@gmail.com
Syllabus Completion Date: 19-07-2021	Mobile: 9970978781

Details:

Lecture No.	Date	Time	Online	If online provide name of platform
1	08-06-2021	10:00 am	Online	Zoom
2	10-06-2021	9:00 am	Online	Zoom
3	11-06-2021	9:00 am	Online	Zoom
4	12-06-2021	9:00 am	Online	Zoom
5	15-06-2021	9:00 am	Online	Zoom
6	18-06-2021	9:00 am	Online	Zoom
7	29-06-2021	8:45 am	Online	Zoom
8	02-07-2021	9:00 am	Online	Zoom
9	12-07-2021	10:00 am	Online	Zoom
10	17-07-2021	9:00 am	Online	Zoom
11	19-07-2021	9:00 am	Online	Zoom



(Name and Sign)

Dr. R. S. Dhabbe

Dept. of chemistry, Jaysingpur College, Jaysingpur

Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli
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(Name and Sign)

Dr. R. S. Dhabbe

Dept. of chemistry, Jaysingpur College, Jaysingpur

Estd. - June 1964

Anekant Education Society's

॥ सिद्धिस्नेहान्तात ॥



JAYSINGPUR COLLEGE, JAYSINGPUR

of Arts, Commerce, Science & Computer Science
Jaysingpur - 416 101 Dist. Kolhapur, Maharashtra State, India
AFFILIATED TO SHIVAJI UNIVERSITY, KOLHAPUR
ACCREDITED AT THE 'A' LEVEL BY NAAC - UGC

Tel. :- (O) 225381 Tel./Fax 226481(R) 225181-- ISD (0091) - STD (02322)
website - www.jaysingpurcollege.com
e-mail - jspcollegejsp@gmail.com

Ref. No. AES/JC/

Date: - 28/07/2021.


To,
Dr. S.D.Jadhav
Willingdon College, Sangli

Dear Sir,

You have worked as Guest lecturer (Online) on Stereoselective synthesis for M.Sc. -II (Organic Chemistry) in our college. On 18, 23, 24, 28 July 2021 We are very much thankful to you for sharing your academic excellence with our students. We expect the same kind of co-operation from you in future.

Thanking you in anticipation

Yours,


Principal
PRINCIPAL

Jaysingpur College, Jaysingpur

Est'd - June 1964

Arihant Education Society's

॥ सिद्धिमेकाग्रता ॥



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website - www.jaysingpurcollege.com

e-mail - jspcollegejsp@gmail.com

Ref. No. AES/JCJ/

Date: - 14 /03/2021.


To,
Dr. R.P.Kagne
Willingdon College, Sangli

Dear Sir,

You have worked as Guest lecturer on Pericyclic reactions for M.Sc. -II (Organic Chemistry) in our college. On 12th & 14th March 2021 We are very much thankful to you for sharing your academic excellence with our students. We expect the same kind of co-operation from you in future.

Thanking you in anticipation

Yours,


Principal
PRINCIPAL

Jaysingpur College, Jaysingpur

Estd. - June 1964

Anekant Education Society's

॥ सिद्धिरनेकान्तात् ॥



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website - www.jaysingpurcollege.com

e-mail - jspcollegejps@gmail.com

Ref. No. AES/JCJ/

Date - 19 /07/2021.

To,
Dr. R.P.Kagne
Willington College, Sangli

Dear Sir,

You have worked as Guest lecturer (Online) on Molecular Orbital theory for M.Sc. -II (Organic Chemistry) in our college. On 12, 16, 17, 19 July 2021 We are very much thankful to you for sharing your academic excellence with our students. We expect the same kind of co-operation from you in future.

Thanking you in anticipation

Yours,


Principal
PRINCIPAL
Jaysingpur College, Jaysingpur