

Ainpur Parisar Shikshan Prasarak Mandal's
Sardar Vallabhbhai Patel Arts and Science College,
Ainpur, Tal. Raver, Dist. : Jalgaon



Annual Quality Assurance Report

Academic Year: 2017-2018

Submitted to

**National Assessment and Accreditation Council,
Bangalore-560 010**



VISION OF THE COLLEGE

Sustainable Socio-economic development of rural masses through education



MISSION OF THE COLLEGE

To provide relevant higher education to the rural students to groom them to be a responsible citizen, who will bear torch for disseminating knowledge in the rural masses and sustainable socio-economic development of the society with preservation of environment.

Sardar Vallabhabhai Patel Arts and Science College ,Ainpur

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2017-18

I. Details of the Institution

1.1 Name of the Institution : Sardar Vallabhabhai Patel Arts and Science College,

Ainpur Tal. Raver, Dist. Jalgaon

1.2 Address : Khirdi Road, Ainpur, Tal. Raver, Dist. Jalgaon

City/Town : Ainpur, Tal. Raver

State : Maharashtra

Pin Code : 425507

Institution e-mail address : sypca123@yahoo.com

Contact Nos. : 02584-271541

Name of the Head of the Institution : Dr. Jaswant Baburao Anjane

Tel. No. with STD Code : 02584-271541

Mobile : 09850192210

Name of the IQAC Co-ordinator : Dr. Kishor Govind Kolhe

Mobile : 09423189516

IQAC e-mail address : kishorgkolhe@gmail.com

1.3 NAAC Track ID: MHCOGN 10783

OR

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

1.5 **Website address:** www.ainpurcollege.org.com

Web-link of the AQAR:

http://ainpurcollege.org/08_IQAC/IQACReports/AQAR_17_18.pdf

1.6 Accreditation Details

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	C+		2004	5 years

1.7 **Date of Establishment of IQAC :**

DD/MM/YYYY

19/07/2004

1.8 **Details of the previous year's AQAR submitted** to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

AQAR 2013-14 submitted to NAAC on 02-01-2018

AQAR 2014-15 submitted to NAAC on 30-12-2017

AQAR 2015-16 submitted to NAAC on 30-12-2017

AQAR 2016-17 submitted to NAAC on 11-01-2018

1.9 Institutional Status

University

State

☒

Central

☐

Deemed

☐

Private

☐

Affiliated College

Yes

☒

No

☐

Constituent College

Yes

☐

No

☒

Autonomous college of UGC

Yes

☐

No

☒

Regulatory Agency approved Institution

Yes

☐

No

☒

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution

Co-education

☒

Men

☐

Women

☐

Urban

☐

Rural

☒

Tribal

☐

Financial Status

Grant-in-aid

☐

UGC 2(f)

☒

UGC 12B

☒

Grant-in-aid + Self Financing

☒

Totally Self-financing

☐

1.10 Type of Faculty/Programme

Arts ☒ Science ☒ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☐ Health Science ☐ Management ☐

Others (Specify) :

1.11 Name of the Affiliating University (for the Colleges) : Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc: NO

Autonomy by State/Central Govt. / University: No

University with Potential for Excellence	<input type="text" value="No"/>	UGC-CPE	
DST Star Scheme	<input type="text" value="No"/>	UGC-CE	<input type="text" value="00"/>
UGC-Special Assistance Programme	<input type="text" value="Yes"/>	DST-FIST	<input type="text" value="00"/>
UGC-Innovative PG programmes	<input type="text" value="No"/>	Any other (Specify)	<input type="text" value="00"/>
UGC-COP Programmes	<input type="text" value="No"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers : 08

2.2 No. of Administrative/Technical staff : 01

2.3 No. of students : 01

2.4 No. of Management representatives : 01

2.5 No. of Alumni : 00

2.6 No. of any other stakeholder and : 01

Community representatives

2.7 No. of Employers/ Industrialists : 00

2.8 No. of other External Experts : 00

2.9 Total No. of members : 12

2.10 No. of IQAC meetings held : 02

2.11 No. of meetings with various stakeholders:

No.

11

Faculty

06

Non-Teaching Staff

02

Students

01

Alumni

01

Others

01

2.12 Has IQAC received any funding from UGC during the year?

Yes

No

☒

If yes, mention the amount

00

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.

04

International

National

State

Institution Level

04

(ii) Themes

a) Seminar on Humanity and Terrorism.

b) Seminar on Gender equity.

c) Workshop on carrier guidance.

d) University Level workshop on employment skill development.

2.14 Significant Activities and contributions made by IQAC

Conduction of SWOT analysis to enhance capability of academic processes.
 Interaction of IQAC members with quality based teachers and academicians
 Guidance for the faculties to prepare API for career advancement scheme.
 To inspire the teachers for ICT based teaching.
 Strengthening of the research culture through publications, research projects.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Sr. No.	Plan of Action	Achievements
1	To recommend management for construct the compound wall for the campus	IQAC suggested to develop the internal securities for the campus and forwarded the proposal for construction of compound wall to the Management. Ainpur Parisar Shikshan Prasarak Mandal considered the suggestion positively and constructed the compound wall (Front side) on their own fund.
2	University Level workshop on employment skill development	College has organised one day university level workshop on employment skill development.
3	To restructure vermicomposting unit.	College runs vermicompost unit which is restructured in the campus.
4	Democracy fortnight programme	College celebrated different programmes on the theme of democracy.
5	To initiate the quality education through certificate and value added courses.	Certificate courses. a) Certificate course in Skill of Map Reading. b) Certificate course in Applied Psychology. c) Certificate course in Banking and Finance. d) Certificate course in Python Programming. e) Certificate course in Soil Analysis. Value Added Course. i) Reading ,Writing and Communication Skill in Marathi.
6	To face the ISO 9001:2015 external audit .	International management system and certification,Noida Uttar Pradesh certified the college as quality institute ISO 9001:2015

* Attach the Academic Calendar of the year as Annexure. II

2.15 Whether the AQAR was placed in statutory body

Yes

☒

No

☐

Management

☐

Syndicate

☐

Any other body

☒

Provide the details of the action taken

The report is placed before the College Development committee and approved for submission at NAAC office.

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	01	--	01	--
PG	01	--	01	--
UG	05	--	01	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	05	05	--
Value added course	--	01	--	01
Total	07	06	08	01
Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

1.2 (i) Flexibility of the Curriculum: CBCS/Core/ **Elective option** / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	06
Trimester	00
Annual	06

1.3 Feedback from stakeholders* Alumni ☒ Parents ☐ Employers ☒ Students ☒
(On all aspects)

Mode of feedback : Online ☐ Manual ☒ Co-operating schools (for PEI) ☐

**Please provide an analysis of the feedback in the Annexure III*

1.4 Whether there is any revision /update of regulation or syllabi, if yes, mention their salient aspects.

For all the programs affiliated to university, syllabus revision cycle is of three years.

- UGC model curriculum, society needs, feedback from all stakeholders, changing national and global trends are the key factors for revision.
- Project work is made compulsory in some of the programs syllabus.

1.5 Any new Department /Centre introduced during the year. If yes, give details.

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
23	21	02	00	00

2.2 No. of permanent faculty with Ph.D.

11

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
00	06	00	00	00	00	00	00	00	06

2.4 No. of Guest and Visiting faculty and Temporary faculty

00

00

04

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	02	01	07
Presented papers	04	24	--
Resource Persons	--	01	--

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Interactive lecture method is used to encourage students to express themselves and consolidate their understanding of the topic taught. It includes

- ICT based teaching.
- INFLIBNET-NLIST
- e-resources

The College is making all out efforts for the increased use of modern ICT based teaching tools such as interactive boards, audio-visual aids and internet in teaching learning process.

2.7 Total No. of actual teaching days

during this academic year

189

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

<p>College follows rules and regulations of K.B.C.North Maharashtra University for examinations.</p> <p>University prescribes the format of questions as per the course marking.</p>
--

2.9 No. of faculty members involved in curriculum Restructuring /revision /syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

05	--	--
----	----	----

2.10 Average percentage of attendance of students: Above 70%

2.11 Course/ Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.A.(Marathi)	24	--	8	--	--	8
B.A.(Economics)	25	12	4	12	00	28
B.A.(History)	12	8	17	--	--	25
B.Sc.(Chemistry)	35	37	23	9	--	69
B. Sc (Computer Science)	03	67	33	--	--	100
M.A.	04	--	50	25	00	75
Certificate course in Banking and Finance	21	--	--	--	--	01-B+ 15-B 05-C
Certificate course in Skill of map reading	10	--	--	--	--	08-O 02-A
Certificate course in Python Language	09	--	--	--	--	02-O 03-A+ 04-A
Certificate course in Applied Psychology	18	--	--	--	--	11-A+ 06-A 01-B+
Certificate course in Soil Analysis	16	--	--	--	--	06-O 05-A 05-B+
Value added certificate course in Marathi	12	--	--	--	--	09-A+ 03-A

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

IQAC always works under the directions and guidance of Hon. Principal and Local Management committee. The IQAC sets broad objectives and plans at the beginning of an academic year. These include various activities including quality enhancement in academic processes. Besides

NAAC accreditation, IQAC suggests the innovations of teaching and learning time to time.

IQAC assesses the API of the teachers for promotion under CAS which is also the academic audit. Academic internal audit is conducted by specially trained auditor-teachers. Finally review meeting is conducted to evaluate the functioning in view to improve academic processes capability.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	--
UGC – Faculty Improvement Programme	--
HRD programmes	--
Orientation programmes	--
Faculty exchange programme	--
Staff training conducted by the university	--
Staff training conducted by other institutions	--
Summer / Winter schools, Workshops, etc.	--
Others (Short term course)	01

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	06	00	00	01
Technical Staff	05	00	00	00

Criterion – III**3. Research, Consultancy and Extension**

3.1 Initiatives of the IQAC in Sensitizing / Promoting Research Climate in the institution

Encourages the teachers to undertake Major /Minor research projects. A special research promotion committee has been established to facilitate and coordinate such initiatives.

IQAC promotes the teachers to participate in conference /Seminar /symposium/workshop and to submit research project.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	NIL	NIL	NIL
Outlay in Rs. Lakhs				

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	02	--	--
Outlay in Rs. Lakhs	--	1.30 Lakhs	--	--

3.4 Details on research publications

	International	National	Others
Peer Review Journals	12	03	--
Non-Peer Review Journals	--	--	--
e-Journals	--	--	--
Conference proceedings	--	02	--

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	--	--	--	--
Minor Projects	--	00	--	--
Interdisciplinary Projects	--	--	--	---
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students research projects <i>(other than compulsory by the University)</i>	--	--	--	--
Any other(Specify)	--	--	----	--
Total	--	--	--	---

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	Nil	Nil	Nil	Nil	Nil
Sponsoring agencies	Nil	Nil	Nil	Nil	Nil

3.12 No. of faculty served as experts, chairpersons or resource persons 3.13 No. of collaborations International National Any other 3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs: Nil

From funding agency From Management of University/College Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	Nil
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil
	Granted	Nil

3.17 No. of research awards / recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
00	00	00	00	00	00	00

3.18 No. of faculty from the Institution who are Ph. D. Guides
and students registered under them 3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events: University level State level
National level International level

3.22 No. of students participated in NCC events: Not Applicable

University level State level
National level International level

3.23 No. of Awards won in NSS: NIL

University level
National level State level
International level

3.24 No. of Awards won in NCC: NIL

University level State level
National level International level

3.25 No. of Extension activities organized

University forum College forum
NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Personality development of girls under Women empowerment programmes .
- Seminar on Humanity and Terrorism.
- Competitive examination on 'Gandhian Thoughts' by Gandhi Research Foundation.
- Organisation of workshop on employment skill development.
- Swayamsidha Abhiyan. (Karate training for girls).
- Sardar Patel Study and Research Centre.
- Organisation of Yoga Din as an Awareness Programme.
- Participation in "Swachh Bharat Abhiyan"
- Organised "Swachhata Mitra elocution competition" sponsored by Panchayat Samiti, Raver..
- Motivation programme for competitive examination.
- An awareness programme on 'Organ donation'.
- Organised Health camp for students and staff members.
- Voter Awareness programme 'Essay and Rangoli' competition.
- Street Play on Addiction free country by NSS Volunteers.
- Constitution day.
- Liquor addiction free village celebration and guidance.
- Run for Unity rally
- National Science day.
- Volunteer service in Mega health camp at Faizpur.
- Gender Equity.

Criterion – IV**4. Infrastructure and Learning Resources**

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	4 acres	--	Management	4 Acres
Class rooms	10	--	Management and UGC	10
Laboratories	05	--	Management	05
Seminar Halls	01	--	UGC and Management	01
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	--	--	--	--
Value of the equipment purchased during the year (Rs. in Lakhs)	--	--	--	--
Others	01	--	Management and UGC	04
Knowledge resource centre	01			
Women's Hostel	01			
N.S.S room	01			
Indoor sports Hall	01			
Compound Wall Front side (Two entrance gates)		530 Running feet	Management	

4.2 Computerization of administration and library

- College have made efforts computerization of administrative systems, including adoption of SOUL 2.0 library software, MKCL digital college software and in-house development of need based administrative software for admission, scholarship and finance functions. Library also provides E-mail Service to staff members.
- **Internet Facility:** - The library is equipped with broadband internet facility providing 6 internet connected computers for students and staff.
- **Open Access systems:** - Open access system is used for students, Researchers, teachers & staff.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	7219	659741.00	630	73069	7849	732810
Reference Books	3811	5327195.00	52	6849	3863	5334044
e-Books Journals e-Journals	80409+ 3828 E- journals	13820	--	--	80409 + 3828 E- journals	13820
Digital Database	--	--	--	--	--	--
CD & Video	30	--	--	--	--	--
Others (specify)	6682	617064.00	--	--	--	--

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	52	32	10 connections	04	02	05	05	04
Added	00	00	00	00	00	00	00	00
Total	52	32	10 connections	04	02	05	05	04

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

- College have made efforts for computerization of administrative systems, including adoption of SOUL 2.0 library software, MKCL digital college software and in-house development of need based administrative software for admission, scholarship and finance functions. Library also provides E-mail Service to staff members.
- **Internet Facility:** - The library is equipped with broadband internet facility. providing 6 internet connected computers for students and staff.
- **Open Access systems:** - Open access system is used for students, Researchers, teachers & staff.

4.6 Amount spent on maintenance in lakhs:

i) ICT	85420.00
ii) Campus Infrastructure and facilities	2173232.98
iii) Equipments	287799.00
iv) Others (Library and Labs)	200900.00
Total:	2711931.98

Criterion – V**5. Student Support and Progression**

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

College Prospectus consists of detailed information about the student support services.

- Hon. Principal and Vice principal gives additional information in the inaugural address at the beginning of each academic year regarding Student support services.
- Student Welfare Centre and student counseling Centre supports the students in participating and organizing various activities and events.

5.2 Efforts made by the institution for tracking the progression

The college has interactive method to identify slow and advanced learners with the objective of proper monitoring of such students in the class room.

- In each department internal examination results are analyzed and evaluated. This interpretation is then used for finding track to improve the students by remedial teaching.

UG	PG	Ph. D.	Others
405	10	01	416

5.3 (a) Total Number of students

(b) No. of students outside the state

00

00

(c) No. of international students : No

Men	No	%	Women	No	%
	190	46		226	54

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
123	74	08	328	00	533	134	58	05	240	00	416

Demand ratio 1:1 Dropout: 16.34%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- College runs a separate carrier counseling and entry in service cell.
- Competitive examination guidance center organized number of lectures.

No. of students beneficiaries

65

5.5 No. of students qualified in these examinations

NET	00	SET/SLET	00	GATE	00	CAT	00
IAS/IPS etc	00	State PSC	00	UPSC	00	Others	00

5.6 Details of student counselling and career guidance

- ☞ Student counseling is individual interaction with the committee.
04 students are appeared for mentoring.
Career guidance cell arranged 3 programmes

No. of students benefitted

61

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
00	00	00	00

5.8 Details of gender sensitization programmes

College runs Yuvati Sabha“ a special drive programme exclusive for girl students .It organizes several gender sensitizing programmes such as Anti-dowry Campaign, Campaign against Foeticide of Female Child every year. The committee also conducts regular awareness generation programmes on Health and Hygiene for Female Students, where doctor’s consultation is also a part of the programme.

The Yuvati Sabha also offers personal counselling to the students whenever required. ‘*Beti Bachao-Beti Padhao*’ *shribrhun Hatya* programme is also organized by performing street-plays, poster presentations etc..

- College runs equal opportunity centre which is UGC sponsored programme
- Women empowerment programme
- Swayam Siddha Abhiyan

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level 47 National level 00 International level 00

No. of students participated in cultural events

State/ University level 06 National level 00 International level 00

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ **University level** 00 National level 00 International level 00

Cultural: State/ University level 01 National level 00 International level 00

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	07	12000.00
Financial support from government	340	683640.00
Financial support from other sources	11	52195.00
Number of students who received International/ National recognitions	--	--

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed;

Criterion – VI**6. Governance, Leadership and Management**

6.1 State the Vision and Mission of the institution

Vision: Sustainable socio-economic development of rural masses through education.

Mission :

To provide relevant higher education to the rural students to groom them to be a responsible citizens, who will bear torch for disseminating knowledge in the rural masses and sustainable socio - economic development of the society with preservation of environment.

6.2 Does the Institution has a management Information System

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

The college is located in rural area and affiliated to North Maharashtra University, Jalgaon .which has a well pronounced goal of „internationalization of the curriculum that will yield exciting opportunities for research and instruction“. College follows the curriculum developments for the running courses. Our related activities are

1. Participation in syllabus reform
2. Student feedback

6.3.2 Teaching and Learning

Nowadays ICT tools and techniques have major importance in the process of effective teaching- learning.

- To build, expand and update ICT infrastructure in the campus.
- To train the faculty members for making them ICT enabled.
- To motivate teachers to use modern teaching aids based on ICT.
- To motivate the students use the ICT based aids infrastructure and tools for effective learning experiences.

6.3.3 Examination and Evaluation

College constitutes a special examination committee to ensure effective implementation of all activities related to internal and external examinations and assessments.

1. Semester pattern is adopted by college
2. Examination are strictly according to rules and regulation of North Maharashtra University, Jalgaon
3. Internal examination is conducted by university at the centre of college having autonomy to set the internal examination question papers.
4. Central Assessment programme is organized by University for evaluation of theory papers

6.3.4 Research and Development

Post graduate research centre is established at Department of Physics.

One student is perusing Ph.D.

Department of Botany have research facilities as USB camera, Trinacular research microscope and research monographs to strengthen research capabilities.

- ICT facilities made available for the researchers in the college with advance software and hardware.

Three students are awarded Ph.D. under the prudent guidance of Dr.R.V.Bhole and Dr. P.R.Mahajan

- Almost teachers are participating in National/International conferences being part of research culture.

Minor research projects /VCRMS are sanctioned and ongoing ,which itself reflects the research and development.

- Introduced Research Promotion Scheme for students to promote research attitude

6.3.5 Library, ICT and physical infrastructure / instrumentation

The library is centrally located with a total carpet area 52''x42.4'' sq.ft. The Library is well ventilated with adequate facilities having 11712 books including Reference books, encyclopaedia, etc. on various subjects. The library regularly subscribes about 16 printed journals, magazine and periodicals.

Library subscribes around 24 printed Journals & Magazines devoted to various subjects and general interest. The library consists of more than 147 back volumes of Journal and periodicals.

- **E –resources:** - more than 400 titles on E-resources are one of the peculiarities of the library. 30 CD's and DVD's are also available.
- **N-LIST:** - Library subscribed N-LIST facility of UGC-INFLIBNET, Ahmadabad.
- **Computerized services:** - The Library has SOUL 2.0 software from 5th July 2011 and Computerization is under Process. Library also provides E-mail Service to staff members.
- **Internet Facility:** - The library is equipped with broadband internet facility providing 6 internet connected computers for students and staff.
- **Open Access systems:** - Open access system is used for students, Researchers, teachers & staff.
 - **Reader Awareness activities such as**
 - Library tour, Library hour lecture
 - Library Website
 - Use of Social Networking Sites to interact with users
 - Organize book exhibition
 - Organize general knowledge examination for the student
 - Organize computer, information technology awareness course .
- **Book Bank facility**
- **Inter Library borrowing facility**

6.3.6 Human Resource Management

The Institutional management has a view to develop the resources by participative decision-making and functioning.

- Principal constitutes number of committees every year for various functions and activities of the college. The active staff members are encouraged to play lead roles in various, functions / activities / events. Good blend of senior and junior staff members formed in the committees, with the objective of experience sharing and team building, helps in successful completion of task.
- The teaching and non teaching staff members are deputed to participate in various training programmes in order to upgrade themselves. Some of our staff members always help in the office administrative process.

6.3.7 Faculty and Staff recruitment

The recruitment of the teachers in the College is done strictly on merit, as per the rules, regulations and norms of the U.G.C., Government of Maharashtra and North Maharashtra University, Jalgaon. The Reservation criteria are strictly followed according to rules and regulations.

6.3.8 Industry Interaction / Collaboration

Chemistry department have the practice of interacting with the related industries.

6.3.9 Admission of Students

Admissions to the various programmes are made according to rules and regulations of University, However our college is located in rural area So due to limited demand of students the admission process followed by admission committee is first come first basis.

- During the admission process, the faculty and experts provide help, support and advice to the students regarding various programme options available to them.

6.4 Welfare schemes for

Teaching	<i>Bachat Gat</i>
Non teaching	<i>Bachat Gat</i>
Students	<i>Poor student fund, HPCL Scholarship Mr.B.A.Patil Scholarship India Bulls Scholarship Earn and learn</i>

6.5 Total corpus fund generated

Deposits- 289000.00

6.6 Whether annual financial audit has been done

Yes



No



6.7 Whether Academic and Administrative Audit (AAA) has been done ?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO-9001:2015 International Management System & certification, Noida , Delhi	No	
Administrative				

6.8 Does the University / Autonomous College declares results within 30 days?

For UG Programmes Yes ☒ No ☐

For PG Programmes Yes ☒ No ☐

6.9 What efforts are made by the University / Autonomous College for Examination Reforms?

The appointment of Examiners, Paper Setters, Moderators, Practical Examiners, Flying Squads, Senior Supervisors etc. are made through online mode.

- Implementation of 60:40 pattern with MCQ based term end examinations.
- All the reports related with examination are made online
- College exam committee commits to work over the academic year for internal examinations.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

The academic and administrative leadership of the University encourages its affiliated colleges/institutions to take autonomous status. However our College is in rural area having poor financial sources and limited strength of students.

6.11 Activities and support from the Alumni Association

Alumni Association meets at least once in a year

6.12 Activities and support from the Parent – Teacher Association

Parent teacher association meets at least once in a year

6.13 Development programmes for support staff

The College promotes the staff to participate in various activities and smoothly sanctions their leaves as per norms.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- ❖ Tree plantation
- ❖ Green audit,
- ❖ Printer cartage recycling,
- ❖ Use of waste papers,
- ❖ Water management,
- ❖ Dual flush toilet,
- ❖ Use of environmentally friends cleaning products,
- ❖ Vending machine

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- a. One day workshop for digital literacy
- b. Workshop on cashless transaction.
- c. Green Audit
- d. Digital Class room

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Annexure IV

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

Annexure V

7.4 Contribution to environmental awareness / protection

- Celebration of International Ozone Day.
- Environmental awareness lecture.
- Tree plantation guidance camp.
- Use of environmentally friendly cleaning products

7.5 Whether environmental audit was conducted?

Yes



No



7.6 Any other relevant information the institution wishes to add. (For example SWOT Analysis)

Strengths

- Gymnasium facility for the nearby beneficiaries
- HPCL Scholarship for students
- MOU with Kilowatt solutions an outlet of IIT, Poway, Bombay.
- India Bulls Scholarship.
- Postgraduate research centre
- Career counseling Centre and Equal opportunity Centre
- One student Malkhede Bhagirath Narayan awarded special rank in Poster competition held in Yuvarang- 2017-18

Weaknesses:

- Least performance and contribution of students in use of Gymnasium.
- Least response of Youngsters outside college for gymnasium
- Lack of funds /Participation fee from students to organize the programmes with Kilowatt Solutions.
- Dropout rate

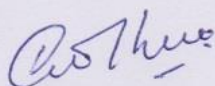
Challenges

- To increase the strength of students for Faculty of Arts and Science.
- To decrease the dropout rate .
- Participation of the beneficiaries from nearby villages for Gym.
- To find the sponsoring agencies/NGO for organizing the programmes with Kilowatt solutions.

8. Plans of institution for next year

- To promote the students for quality education.
- To establish the Post graduate research centre for Botany.
- To organize training program for undergraduate students for Solar energy utilization.
- To submit the proposal for M.Sc.(Organic chemistry)
- To construct remaining compound wall for the campus.
- To establish canteen facility for college.


Name .Dr.K.G.Kolhe



Signature of the Coordinator, IQAC



Name Dr.J.B.Anjane



Signature of the Chairperson, IQAC

Annexure I**Abbreviations:**

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

Annexure-II

**S.V.P. Arts & Science College,
Ainpur Tal. Raver Dist. Jalgaon (Silver Jubilee Year)
ACADEMIC CALENDAR - Year 2017-18**

Sr. No.	Term	Month	Particulars
1	First Term 15.06.2017 To 31.10.2017	15.06.2017	Beginning of the first term.-Staff Meeting
			CDC Meeting
		16 June 2017	Admission Time table and NSS committee Meeting,
		17 June 2017	Student Development and Library Committee Meeting
		19 June 2017	NAAC and IQAC Meeting, CDC Meeting
		20 June 2017	Time Table Committee Meeting
		21 June 2017	Yoga Din celebration
		22 June 2017	Head, Science faculty meeting
		July 2017	Fresher's Welcome Organize by the seniors
		July 2017	Opening ceremony of "Silver Jubilee Year Programmes"
		July 2017	Tree Plantation week
		Last week July 2017	Medical checkup camp
		July 2017	N.S.S. P.O.Meeting
		July 2017	Student Welfare Committee Meeting
		July 2017	Library Committee meeting
		July 2017	CDC Meeting
		July 2017	Sports committee meeting
		July 2017	Head, Science faculty meeting about equipment
		11 July 2017	World Population Day
		17 July 2017	University Level workshop on College magazine

	19 July 2017	Celebration of GuruPournima
	Aug.2017	Library Committee Meeting
	1 Aug. 2017	Celebration of Kranti Din
	9 Aug. 2017	Revolution Day celebration
	15 Aug. 2017	Independent Day and Tree Plantation
	20 Aug. 2017	Sadbhavana Din Celebration
	Aug. 2017	NAAC and IQAC meeting
	21Aug. 2017	Program under Yuvati Sabha
	17 Aug. 2017	Celebration of Ruksha Bandhan on occasion of Raksha Bandhan
	Aug. 2017	Program for personality development
	Last week Aug 2017	Exam committee meeting about Internal Examination
	Sept. 2017	Unit Test I for (60+40) pattern as per NMU norms
	Sept. 2017	NAAC and IQAC meeting
	1 st week of Sept.	Departments Head Meeting
	5 Sept. 2017	Celebration Teachers Day
	8 Sept. 2017	World Literacy day Celebration
	13 Sept. 2017	University Level Workshop on “Personality Development”
	Sept. 2017	First Semester Internal Test (40+10) as per the University Norms
	14 Sept. 2017	Celebration of Hindi Din
	15 Sept. 2017	World peace day celebration
	Sept. 2017	Workshop under Student Welfare
	Sept. 2017	Unit Test II for F.Y.B.Sc. (60+40) pattern as per NMU norms
	24 Sept. 2017	Celebration of NSS day and arrange the rally on global issue
	Oct.2017	NAAC and IQAAC Meeting
	2 Oct. 2017	Ahinsa din and Hon. Mahatma Gandhi birth anniversary celebration
	7 Oct. 2017	Late Gambhir Hari Mahajan State Level Elocution Competition

		1 st week of Oct. 2017	Science faculty meeting about Practical Exam
		Oct. 2017	Exam Committee Meeting First Semester university exam.
		Oct.2017	Program for Silver Jubilee Year
		31 Oct. 2017	Hon. Sardar Patel Birth anniversary
		31.10.2017	Staff meeting at the end of First Term.
2	Winter Vacation 01.11.2017 To 25.11.2017	01.11.2017 To 25.11.2017	Winter Vacation
3	Second Term 26.11.2017 To 30.04.2017	26.11.2017	Staff Meeting - beginning of the Second Term.
		Nov. 2017	N.S.S. P.O. Meeting for N.S.S. Camp
		Nov.2017	NAAC Meeting
		19 Nov. 2017	National Integration Day celebration
		28 Nov. 2017	Celebration of Hon. Mahatma Phule death anniversary
		Dec. 2017	Library committee meeting
		1 st week of Dec.2017	Gathering Committee Meeting for “Rangovastav”
		Dec. 2017	Magazine Committee Meeting for preparation of Sardar
		1 Dec. to 7 Dec. 2014	Celebration about AIDS Awareness
		6 Dec. 2017	Program on Mahapari Nirvan Din
		Dec. 2017	Exam Committee meeting for II nd semester Unit test
		15 Dec. 2017	Program on Sardar Patel death anniversary
		Dec. 2017	University Level “Elocution Competition”
		Dec. 2017	Unit Test I for F.Y.B.Sc. (60+40) pattern as per NMU norms
		Dec. 2017	Program on Silver Jubilee Year
		3 Jan. 2018	Celebration on Hon. Savitribai Phule birth anniversary
		Jan. 2018	Library Committee Meeting

		10 Jan. 2018	Celebration of “Human Right day”
		11 Jan. 2018	Karate Class
		12 Jan. 2018	Celebration of Youth day and Jijau Din
		14 Jan. 2018	Celebration of Makarsankranti
		26 Jan. 2018	Celebration of Republic Day and tree plantation
		Jan. 2018	Workshop on “Rojgar Kaushalya”
		Jan. 2018	Departments Head Meeting
		Jan. 2017	Exam committee meeting for Unit test II
		Last week of Jan	Unit Test II as per NMU norms
		Jan. 2018	Celebration of Annual Gathering and Prize distribution ceremony
		30 Jan. 2018	Hutatma Divas celebration
		Feb. 2018	Unit Test II for F.Y.B.Sc. (60+40) pattern as per NMU norms
		Feb. 2008	Silver Jubilee Prgromme
		28 Feb. 2018	Celebration of Science Day
		March 2018	Staff meeting 2 nd semester university Exam.
		March 2018	Second Semester Examination Conducted by the University
		30/04/2018	Staff Meeting at the end of the Second Term.
4	Summer Vacation 01.05.2018 To 14.06.2018	Summer Vacation	

Annexure-III

Analysis of feedback from stakeholders and its use in Curricular Design and Development

- College in practice obtains feedback from stakeholders in various forms .However Mainly the feedback from the students is main agenda for development of the college.
- Feedback is obtained from the students through feedback forms. The feedback is also received from meetings of students council and farewell /welcome functions, where the teachers interact more closely with the students. Students can also provide their feedback through suggestion box located near the office in the college campus. However personal interaction of students with the teachers and principal helps the mentoring and feedback process.
- Alumni meeting are conducted once in a year .where occasionally feedback on Curriculum is obtained.
- The feedback from the parents is obtained through personal interaction by visiting the parents at the beginning of the academic year..
- The curriculum issues are discussed with the Community Representatives, NGOs, Local Authorities, and social workers, and professionals while conducting various social activities.

The SWOT analysis of curriculum is done through feedback received from the stakeholders. The College always prepares the best presentations through the faculty members in different academic bodies and committees of university like Board of Studies The active participation of these teachers, and the feedback from stakeholders, academic peers and experts, has always contributed in updating the syllabi. Our faculties always participates in different activities restructuring of existing courses under North Maharashtra University (NMU).

Annexure-IV
Action Taken Report

Sr. No.	Decision taken in the meeting	Action taken
1	Preparation of Self Study Report (SSR) for second cycle of Accreditation	Following steering committee members are preparing the draft of Self Study Report (SSR) as per the format.
		Dr.J.B.Anjane Chairman
		Mr.S.B.Mahajan Secretary
		Dr. K. G. Kolhe IQAC Coordinator
		Dr.P.R.Mahajan Institute profile Coordinator
		Dr.S.A.Patil Coordinator criteria I
		Dr.D.B.Patil Coordinator criteria II
		Mr.S.B.Patil Coordinator criteria III
		Dr.S.N.Vaishnav Coordinator criteria IV
		Mr.S.R.Ingale Coordinator criteria V
		Dr.J.P.Nehete Coordinator criteria VI
		Mr.H.M.Baviskar Coordinator criteria VII
		Dr.Neeta S.Wani Departmental evauatory Coordinator
		Dr.R.V.Bhole Departmental evauatory Coordinator
		Mr.Gopal Mahajan Head Clerk
2	Promotion of faculty members under CAS	Received Proposals of faculty members to promote Assistant Professor from Stage I to Stage II. IQAC API Committee has computed their API according to guidelines of K.B.C.North Maharashtra University and further process is completed
3	Plan of action for academic year 2017-18	Plan of action for academic year 2017-18 accepted and action is started as per the plan
4	Programmes introduced for academic year 2017-18 by different departments as a certificate courses and Value added courses	College has introduced following courses Certificate course Certificate course in Skill of Map Reading. Certificate course in Applied Psychology. Certificate course in Banking and Finance. Certificate course in Python Programming Certificate course in Soil Analysis Value Added Course. i) Reading ,Writing and Communication Skill in Marathi these programs are successfully arranged by the concerned departments.

Annexure V

Best Practice-I

1. Title of the Practice:

Digital literacy for students and Community

2. Objectives of the Practice

- The basic need is to bring the rural masses in the flow of digital world and explain the concept of Digital India .
- The expectancy of the society diverts towards standard of living.
- People living in backward scene will be globalized with today's world.
- It'll lay a good impact in the lives of the youth
- Right to education will not only be confine to social science book, rather it will rightly be exercised & We'll get to see the sense of contentment from the unprivileged & ill-literate parents face, seeing their child getting the privileged of modern digital education.
- To know and aware the people about the Visions of Government of India for its effective implementation.
- To build the Pillars of Digital India for its implementation in the era of globalization.
- To have the basic knowledge of computer and ICT related to gadgets like mobile, phone, use of ATM machines, net banking etc
- Introduce the facilities like Digital locker and make them the use for storing the important documents like Pan card ,passport, mark sheets etc.

3. The Context

Digital literacy.is basic knowledge of computer and ICT so that a person can do his or her basic work in computer or technology related gadgets e.g. mobile phones, use of ATM machines, net banking etc. It is very important for rural India as for the huge population rendering services is possible through digitization of services and the good thing is that government is very serious about providing the basic amenities to citizen of India especially our rural brother and sisters and it can be made possible through digital governance.

The government commits the development of society through digital literacy. Which plays major role in fast growing countries like India The 70% population of our country is having rural status. It is an opportunity to serve for the progress of villegers through the technology The evaluation of villege is still on the slow track as resistivity of villegers is main obstacle having the clothes of tradition and superstition.

The fast track life in this century is the elaborative target for peoples. One can achieve employment by injecting digital era into their life. **Digital literacy has direct impact on people's per capita income.** Considering importance of digital literacy in

education which helps student to learn things around the world besides book knowledge.

They can learn different kind of online courses which improves their employability criteria.

We have initiated this mission with the vision to empower at least one person per household with crucial digital literacy skills and is expected to touch the lives of 1000 individuals over the next few years. This is an effort to complement government's vision to transform one from each household as digitally literate. The practice aims at helping adults and rural students with low technological literacy develop the skills they need to interact in an increasingly digital world.

It is the dynamic and integrated platform of digital literacy awareness, education and capacity programmes that will help rural communities fully participate in the global digital economy. Our focus is on making technology central to enabling change.

Digital literacy will improve social and financial status of people. We can see women's in remote areas are selling their handcraft products in e-commerce platform like Amazon. People can learn their interesting factors like organic farming , health precautions, wheather conditions Social media .Students interaction through google classroom ,Youtube lectures ,online counseling etc. Govt. of India has initiated *E-Panchayat / E-Pathshala* mission to improve quality of governance in rural areas. The Pillars of digital India are

- ☞ Broadband Highways
- ☞ Universal Access to phones
- ☞ Public internet Access program
- ☞ E-Governance Reforming government through technology
- ☞ e Kranti- Electronic delivery of services
- ☞ Information for All
- ☞ Electronics Manufacturing- Target NET ZERO imports
- ☞ IT for jobs
- ☞ Early Harvest

4. The Practice

It was the challenge to us how know about literacy of digitalization in villagers, hence Initially, college made the survey of 60 men and 40 women from nearby villages through spot interviews and questionnaires. Survey reveals from fig.1 that generally women are not using the internet for digitalization purpose. They only use the internet for communication through voice call and rare use for social sites like Whats app. Village women having the afraid about internet net banking etc. Out of 60 men 41 are using androids with latest versions and out of 40 womens 30 are using the androids.(Fig.2 and 3)

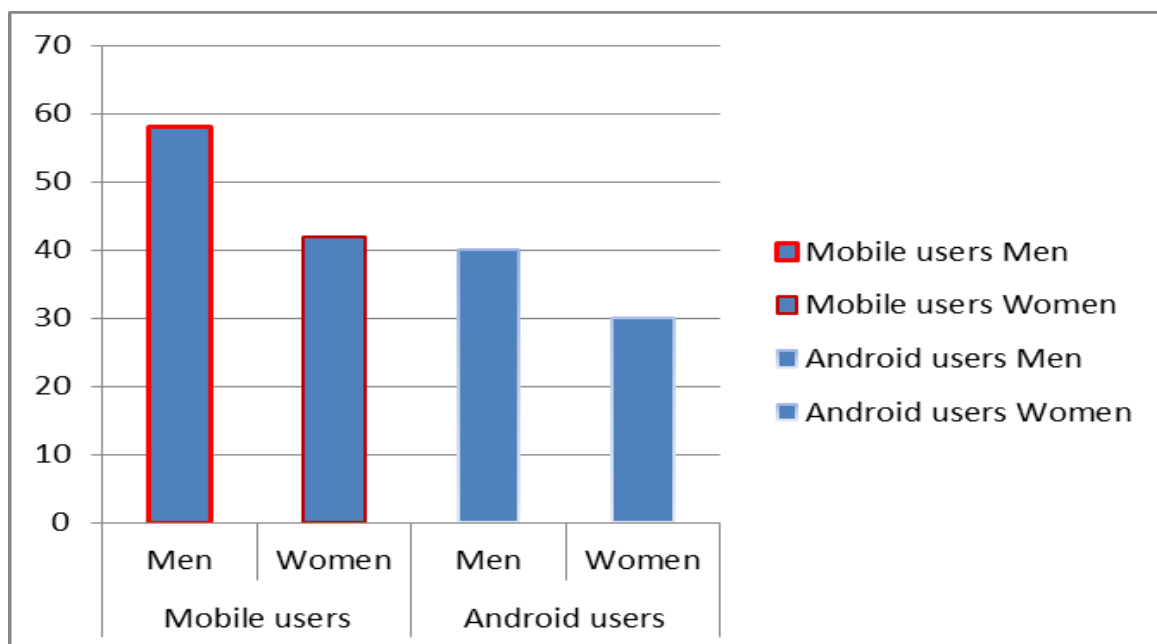


Fig.1

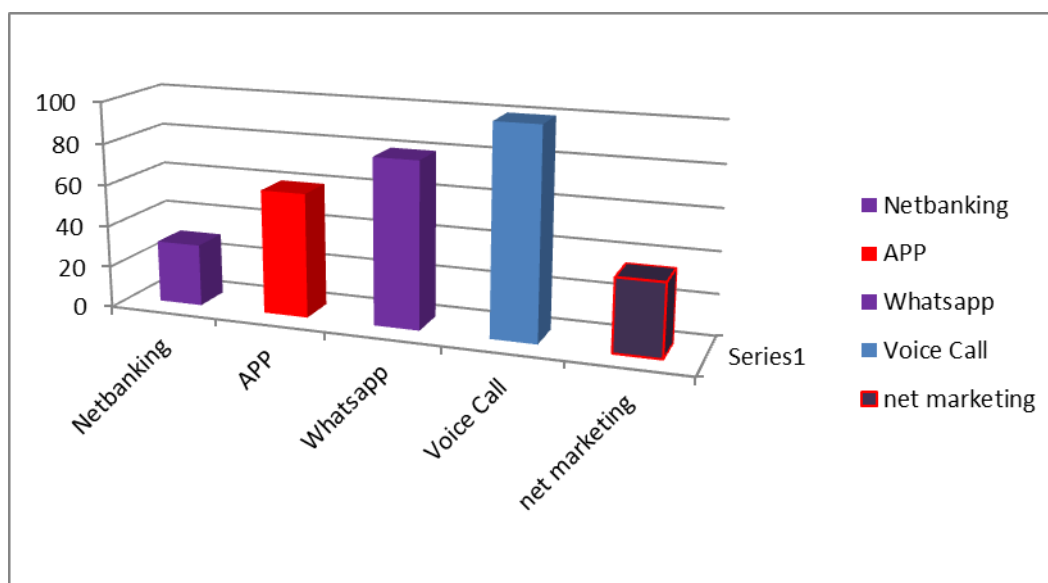


Fig.2

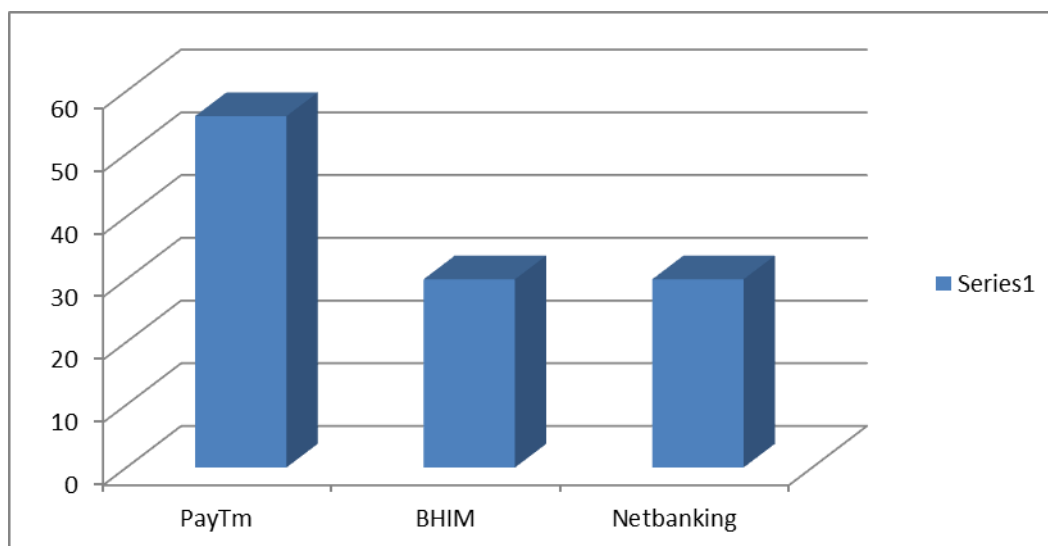


Fig.3

So it is difficult to convey the importance of digitalization and make them conscious and free mind about online banking or net banking. The following programs are arranged by keeping this view

- a) Initially college arranged the workshop on net banking and internet banking in the adopted village Dhamodi .Resource person Mr. Sonu Davale nicely explained the aim and objectives of net banking and demonstrated the sample transactions to villagers and NSS volunteers. He also explained the use of ATM card, how it is important for the instant transactions and withdrawals of money.
- b) Celebration of digital week by arranging the talk on ONE STEP AHEAD – cashless transaction by Mr. Vilas Chandelkar . He assured to the participants about the safety that without OTP nobody can disturb your account..
- c) One day workshop on Needful apps on android Phone by Mr.H.M.Baviskar, Miss. Ankita Chaudhari and Miss. Apurva Mahajan They introduced all useful apps on android phone like agricultural App, BHIM, PAYTM, and Phone Pay . They explained how these apps are useful and safe for transactions. They had demonstrated the payment of electric bill of one villager and explained easy pay of Electric bill in hand and anywhere .
- d) One day workshop incordination with Bank of Maharashtra ,Raver Branch.
- e) Use of Govt. website for one line submission of different schemes organized with help of Zilha Parishad Jalgaon for villagers.

5. Evidence of Success

In the digital era still rural India there is lack of knowledge about utilization of applied instrument and net surfing for the time consumption. Rural peoples are feared to lose the data / money / secrets of their own families through the internet. The success of our practice is that many villagers and students are now out of fear and using the android for

agricultural marketing, banking transitions, and weather conditions time to time for their crops. They also utilize the what's app / Facebook for transmission and suggestion with agriculture officers / experts.

Students are using the email what'sapp facilities in androids for transmission of notes knowledge sharing, sometime notices of the college are also forwarded to students and their parents. The digital literacy of the social parameters is our main aim through these ways we meet by our efforts.

6. Problems Encountered and Resources Required

In practice People do not support for net banking and ATM because of they does not know about cyber security. People accept the Android phone but do not use it for any other information purpose because of language problem and poor network and access.

India lives in its villages. But it needs more amount of funds to meet the cost of infrastructure creation in rural areas than the urban areas. Division of fund among the rural and urban is not easy. India has 1600 languages and dialects. Non availability of digital services in local Languages is a great barrier in digital literacy. Fear of cybercrime and breach of privacy has been deterrent in adoption of digital technologies. Most of the technology including cyber security tools is imported. There is no sufficient skill to inspect for hidden malwares.

The goal of Digital India is far away as most of the nine pillars of digital India mission are facing serious challenges in implementation. Persistent attention must be given to each and every pillar.

The problems were found during the survey that villagers cannot give the information properly due fear about net banking. Women are worried to giving right information due to village culture. In our area most of peoples are farmers and farmworkers. So they are busy in their agricultural work. So it was very difficult to attain the villagers and fill their information for the survey. The problem is that internet is not properly run in most of villages i.e. 3G or 4 G net cannot run properly. So people cannot use the internet in proper time as per their needs. To literate the village about digitalization street play Programme will also be one option. To complete this achievement some funds are required.

Notes (Optional)

Workshop on Digital Literacy



Opening ceremony of Digital Literacy workshop

Dr.K.G.Kolhe introducing about the activity

One day workshop on Needful apps on android Phone

Students Miss. Ankita Chaudhari and Miss. Apurva Mahajan introducing all useful apps on android phone like agricultural App, BHIM, PAYTM, and Phone Pay





Miss Ankita Chaudhary explaining about different agricultural apps





Miss Apurva Mahajan explain about different banking apps



Workshop arranged in coordination with Bank of Maharashtra, branch Raver



Workshop arranged by Zillha Parishad Jalgaon, for the online submission scheme

Best practice- II

Title of the practice: Vermicomposting and Green campus.

1. Goals:

Our College is located in the rural area of farmer, farm workers and farming related business. The main crop of the area is Banana. To optimise the view of agriculturist students for agriculture development college has initiated this project. The main objective of vermicompost is to produce organic manure of exceptional quality for the organically starved soil. Agricultural wastes, wastes in the campus are usually dumped into at places resulting in a foul mess. By vermicomposting these wastes, they are not only utilized efficiently but also help in making a value-added product.

- i. To develop an integrated and environmentally organic waste management system that ensures the adequate collection and treatment with sustainable methods, in campus with close agricultural activity.
- ii. To involve the different necessary stakeholders to ensure the proper application of the project : extracurricular and extension activities “existing recyclers” and farmers, collection and treatment companies and other complementary agents.
- iii. To enhance the knowledge and good practices of the stakeholders involved
- iv. The project brings a contribution to the overall sustainability of the area.

2. Context:

vermicomposting is a type of composting in which certain species of earthworms are used to enhance the process of organic waste conversion and produce a better end product. The use of “vermicompost” for crop production can increase crop yield and significantly reduce the application of costly chemical fertilizers and pesticides that are not environment-friendly. The application of vermicompost at five tons per hectare and 50 percent of the recommended chemical fertilization for upland rice can result in a significantly higher yield than with chemical fertilization alone. The fruit yield of eggplant was significantly higher with the application of 100 grams of vermicompost and 10 grams (50 percent) of the recommended chemical fertilizers per plant compared to that of plants fertilized with 20 grams (100 percent) of the recommended chemicals per plant only. Because vermicompost helps in increasing the water-holding capacity of the soil, savings of 38 percent for irrigation was reported for commercial banana production. Through the government’s “National Vermicompost and Vermimeal Production Program,” These program helps the farmers lower their cost of production by minimizing the use of chemicals and at the same time reduce environmental pollution by utilizing farm wastes for vermicomposting.

3. The practice:

"Worms are the Intestines of the Earth". Using worms to convert decomposing food waste into nutrient-rich fertilizer is simple, inexpensive, energy efficient, and a great way to teach students to become life-long recyclers. In the past ten years an organization in India has

promoted over 3,000 farmers and institutions to switch from conventional chemicals to the organic fertilizer, vermicompost. Vermiculture enables any scale or size of operation. In 1985, Maharashtra Agricultural Biotech was formed and established a small plant to manufacture vermicompost from agricultural waste. The organization currently produces 5,000 tons of vermicompost annually. In the age of globalization land fertility and yield is a major issue for the agriculture sector. The farmers in our area are already using vermicompost. To motivate their generation, college has made effort to demonstrate the activity. The waste from college campus is utilized for the plants, botanical garden in the campus meets the aim of this project.

4. Evidence of Success:

Production of vermicompost is not much more technical, any farmer can produce this after a short training or with the help of literature. In India different vermicomposting methods have been applied from time to time, which are pit or tank method, bamboo pit method, bag method, open bed method. We are use bag method. Recently vermicompost production in specially designed HDPE bag has been recommended by several companies like Organic Farming Solution, Bengaluru, Karnataka; Surya Structural, Solan, Himanchal Pradesh, etc. In the market it is available by its trade name. College has purchased portable SILPAULIN vermibed. Producers and promoters of these vermi-bags say that it is economical and mobile, easy to install and having provision to collect vermiwash liquid. This rectangular bag is 12 feet long, 4 feet width and 3 feet height that takes load of 1200–1400 kg biodegradable waste. In campus 1.5 kg per day biodegradable waste is generated which produces 400 to 500 kg vermicomposting in a cycle.



Vermicomposting bed with newly added waste material



Preparation of additives in campus

5. Problems encountered and resources required:

The college campus is about of 4 acres having constructed area with trees and plants. The student strength is below 500 per academic year .So, their daily transmission in the campus having limitation. The waste from the trees and plants is in accordance with it. So the source of waste has also limitations. Participation of students in this project for this year is poor .However in coming year our NSS department will encourage the students to collect the waste from nearby area so as their participation has some fruitful gain.