

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

I. Details of the Institution

1.1 Name of the Institution

SINDHU MAHAVIDYALAYA

1.2 Address Line 1

KAKA TILOKCHAND RUGHWANI MARG

Address Line 2

PANCHPAOLI

City/Town

NAGPUR

State

MAHARASHTRA

Pin Code

440017

Institution e-mail address

principal@smvnagpur.ac.in , principalsmvnagpur@yahoo.in

Contact Nos.

0712- 2640368

Name of the Head of the Institution:

Dr. K. J. CHERIAN

Tel. No. with STD Code:

0712- 2640368

Mobile:

09764 449 231

Name of the IQAC Co-ordinator:

Mr. Ajay M. Mundhada

Mobile:

0937 3237 363

IQAC e-mail address:

iqac@smvnagpur.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

MHCOGN1411

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)

EC/66/ 2nd cycle/70 dated 21.02.2014

1.5 Website address:

www.smvnagpur.ac.in

Web-link of the AQAR:

<http://smvnagpur.ac.in/InternalPage.aspx?Antispam=ZZbObbPVpW9&ContentID=8&MyAntispam=Y31It8>

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+		2004	2009
2	2 nd Cycle	B	2.62	2014	2019
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC: DD/MM/YYYY

01/07/2004

1.8 AQAR for the year (for example 2010-11)

2013-2014

1.9 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)

Assessment & Accreditation 2nd cycle was in AY 2013-14

- i. AQAR _____ (DD/MM/YYYY)
- ii. AQAR _____ (DD/MM/YYYY)
- iii. AQAR _____ (DD/MM/YYYY)
- iv. AQAR _____ (DD/MM/YYYY)

1.10 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

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*)

Rashtrasant Tukadoji Maharaj
Nagpur University , Nagpur

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (*Specify*) **Linguistic**
Minority

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and
community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff Students Alumni Others (Parents)

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

Conduction of Assessment & Accreditation 2nd cycle.
Earn and Learn Activity
Special provision of “Activity class” every week.
Sharing of knowledge & experience of RAR, peer team interaction with other colleges.
Team IQAC of Sindhu Mahavidyalaya has motivated 3 colleges in University to opt A&A process positively.

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 *

Plan of Action	Achievements
Key actions planned Re-orientation towards improvement in quality of higher education	Response time of office has improved, More no of unit tests have improved result.
Bridge courses for the 1 st year students	4 departments have conducted bridge course

Various departmental societies	All the science students were benefited through 3 societies Chemical Society, J.C. Bose Physics Society & Biological Society. Arts, Performing Arts & Appreciation Society, formerly known as Cultural society has provided platform for development of inbuilt qualities as well as help them to discover hidden talents. Literary Society has helped students to improve writing as well to improve communication.
Parent-Teacher meeting	Parent –Teacher meeting has been conducted at departmental level. Every meet was witnessed and monitored by IQAC member.
Short Excursion	5 Departments have conducted short excursion tours for study purpose.
Woman Empowerment cell	Various programs were conducted by WEC (report attached)
Earn and Learn Activity	A student participative program has been initiated in the college. A facility to earn via “College I Card Preparation” has been successfully conducted in which 8 candidates have enjoyed work & earned money.
Guest lectures	A special class included in weekly schedule has turned as “activity class” and more than 31 guest lectures were organized.
Open Book Exam to be started	3 departments have conducted OBT for class test / unit test.
Staff Members to be encouraged to participate in Faculty Development Program	One staff members has undergo FDP on entrepreneur development.
Staff Members to be encouraged to submit research proposal to funding agencies	2 Major, 3 Minor projects submitted

Various departments to be encouraged to collaborate with other research institute Initiation	2 departments (Electronics & Microbiology) have MoU for research
Recruitment of teaching and non-teaching staff (vacant post) subject to NOC from University and Government.	5 teaching & 2 Non-teaching staff recruited
At the end of the session students feedback analysis has to be done	Analysis done
Initiative for e-Governance	All departments/ cell /office now have new independent email address.
Interaction with companies to organize on & off campus placement drive	2 placement drives were organized in which 19 students were selected

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

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				
PG	02		02	
UG	04		02	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	06		04	
Interdisciplinary				
Innovative				

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	03
Trimester	
Annual	03

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*

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

Science faculty has implemented "semester" pattern and hence syllabi was changed for each subject. Internal Assessment based on home assignments, subject tests, regularity, and presentation has been adopted. Although syllabus was designed by University, most of the staff members have participated in workshops and suggest good amount of modifications. Dr. A.T. Jais of Chemistry department was chairman of syllabus modification committee. Dr. V. M. Pendsey was instrumental in designing Integrated M.Sc.(Electronics) Program.

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

NIL

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
45	23	21	01	

2.2 No. of permanent faculty with Ph.D.

31

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
5	08	-	-	-	-	-	-	5	08

2.4 No. of Guest and Visiting faculty and Temporary faculty

0

0

24

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	09	22	2
Presented papers	9	18	2
Resource Persons	-	-	04

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

Nil

2.7 Total No. of actual teaching days during this academic year

193

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

Open Book Examination
Multiple Choice Questions

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

05

02

09

2.10 Average percentage of attendance of students

88 %

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.Sc. Final	91	6.6	16.50	46.13	-	69.23
B.com Final	177	10	3.56	31.07	7.9	52.54
BBA Final	48	-	50	29.17	-	79.17
BCCA Final	20	-	20	55	-	75.00
M. Sc. Final	01	-	-	-	-	00.00
M. Com Final	29	-	6.8	55.17	-	62.06

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

Departmental Academic calendar & work schedule planned by each faculty was collected at the start of year and monitored through departmental visits & feedback from students.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	02
UGC – Faculty Improvement Programme	01
HRD programmes	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	11
Others(FDP)	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	17	06	01	02
Technical Staff	46	11	01	03

Criterion – III

3. Research, Consultancy and Extension

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

IQAC strongly believes on individual potential and has motto of one resource – one project. Accordingly group of teachers have set a rotational policy to claim Major & Minor projects with UGC and Other funding agencies. Appreciation to research work, helping administratively to have peaceful working condition, Set-up of research infrastructure through UGC grant & individual projects. Motivating staff to have success and convert it for success of institute.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		02		02
Outlay in Rs. Lakhs	-	15,14,900/-		74,55,500/-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	06	03	01	02
Outlay in Rs. Lakhs	8,50,000/-	2,90,000/-	1,25,000	11,02,000/-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	23	06	
Non-Peer Review Journals	2	08	01
e-Journals			
Conference proceedings	06	16	

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	01	UGC	1,25,000/-	1,12,500/-
Interdisciplinary Projects	-	-	-	-
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)				

Any other(Specify)				
Total	01	UGC	1,25,000/-	1,12,500/-

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				
Sponsoring agencies					

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 :

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	
International	Applied	
	Granted	
Commercialised	Applied	
	Granted	

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
02		02				

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:

University level State level
National level International level

3.23 No. of Awards won in NSS:

University level State level
National level International level

3.24 No. of Awards won in NCC:

University level State level
National level International level

3.25 No. of Extension activities organized

University forum	<input type="text"/>	College forum	<input type="text"/>		
NCC	<input type="text"/>	NSS	<input type="text" value="4"/>	Any other	<input type="text"/>

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

- Nirmalya Sankalan at Naik Talao during Ganesh idol immersion. In this activity 82 volunteers sensitized devotees for adoption of eco-friendly idol immersion. They further educated & made aware masses about pollution hazards, need of clean environment and green earth.

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	17938.406446 sq.mts			17938.406446 sq.mts
Class rooms	24	-	-	
Laboratories	15			
Seminar Halls	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)	1,82,800/-		UGC	
Others(LCD, Computers & printers)	2,05,000		UGC	

4.2 Computerization of administration and library

Office and library have been computerized using automation and management software

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	31319	-	1345	2,89,175/-	32664	-
Reference Books	121	-	-	-	-	-
e-Books	85000+	-	-	-	-	-
Journals	11	-	-	-	-	-
e-Journals	3500+	-	-	-	-	-
Digital Database	-	-	-	-	-	-
CD & Video	10	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	104	30	All are on WIFI	27	11	11	15	10
Added	02	00	0	00	00	01	01	00
Total	106	30	Yes	27	11	12	16	10

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

N-Computing facility has been introduced and executed successfully. Moreover Wi-Fi set up has been extended to each and every corner of institute.

4.6 Amount spent on maintenance in lakhs :

i) ICT	Nil
ii) Campus Infrastructure and facilities	Nil
iii) Equipments	3000/-
iv) Others	2,32,635/-
Total :	2,35,635/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

“Quality” concept in the frame of “time” & “finishing touch” have been imparted to support staff. Orientation program have been planed in next academic year in suitable time. Students have been given free environment to express views, suggestions and completes with the authorities. These steps have helped administration to make support services more responsive.

5.2 Efforts made by the institution for tracking the progression

The process has been tracked through formal & informal interactions with admission seekers, students and parents.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1769	114	0	0

(b) No. of students outside the state

02

(c) No. of international students

00

Men	No	%	Women	No	%
	747	39.67		1136	60.33

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1125	364	20	374	00	1883	874	588	39	772	00	2273

Demand ratio 1:1

Dropout % 4.12

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

Lectures by in house faculties as well as by guest faculties were organized.

No. of students beneficiaries

132

5.5 No. of students qualified in these examinations

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

5.6 Details of student counselling and career guidance

Students were mentored for Joint Admission test for M.Sc.(JAM) organized by IIT

No. of students benefited

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
02	106	19	-

5.8 Details of gender sensitization programmes

Programs were organized by Women Empowerment cell in which eminent women personalities enlightened girls students and ladies staff.

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	01	4390
Financial support from government	1307	56,27,828/-
Financial support from other sources	-	-
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: Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: - To be a leader in fulfilling the contemporary need of the society by providing quality centric higher education with holistic development.

Mission: - The need of the society is dynamic. The institution is located in the midst of socio-economically weaker society. The priority of the institution is to bring academic excellence along with personality development to compete with rest of world. It also needs attention for improvement in health care, environmental & social awareness.

Sindhu Mahavidyalaya serve the students and the society through the following action plans.

- Imparts knowledge through various fora about academic, career opportunity, Social responsibility and personality development.
- Inculcate human values mainly positivism, morality and patriotism.
- Involve stakeholders in Environmental Awareness, Pollution Control, Healthcare, Commerce & Community service programme.

Give thrust to student feedback, Social needs for further enhancement of quality in all the areas for which, Sindhu Mahavidyalaya stands for “make holistic development through knowledge”.

6.2 Does the Institution has a management Information System

MIS has been partially implemented through office automation & library automation.

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

6.3.1 Curriculum Development

Though, we are affiliated institute, faculty members of concern departments, design curriculum for bridge courses to enhance students understanding. Members are encouraged & facilitated for participation in workshops and meeting at university level.

6.3.2 Teaching and Learning

Use of digital resources, both by teachers as well as students.

Use of ICT to impart “concepts” effectively.

6.3.3 Examination and Evaluation

Tests are conducted at the completion of each Unit/Module.

Evaluation of answer books is carried out & discrepancies are explained to students.

6.3.4 Research and Development

Papers published are displayed on notice board to inspire staff members as well as ignite scientific base in students.

6.3.5 Library, ICT and physical infrastructure / instrumentation

To make ICT practice more effective, 3 LCD projectors are added.

Library have been updated for revised syllabi for semester/ annual

6.3.6 Human Resource Management

For effective work culture non-teaching staff is rotated.

To enhance overall functioning young teaching staff has been involved in administrative responsibilities

6.3.7 Faculty and Staff recruitment

5 teaching & 2 non-teaching staff was recruited according to UGC norms.

6.3.8 Industry Interaction / Collaboration

Nil

6.3.9 Admission of Students

Students seeking admission were guided by group of teachers to select appropriate course / combination. Due transparency was maintained during the process.

6.4 Welfare schemes for

Teaching	03
Non teaching	03
Students	05

6.5 Total corpus fund generated

Nil

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	NAAC	Yes	IQAC
Administrative	Yes	NAAC	Yes	IQAC

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?

NA

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

NA

6.11 Activities and support from the Alumni Association

Regular meeting of alumni association.
Distribution of books to needy students.
lecturers on time management & defence services

6.12 Activities and support from the Parent – Teacher Association

Nil

6.13 Development programmes for support staff

Computer literacy training program

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

5 Solar lamps at prominent places were installed.
Vermi-composting unit to manage bio-degradable garbage
Water recharge system, animal waste disposal system

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.

To inculcate various dimensions of personality , “Activity Class” was included in regular timetable. One hour on every Saturday was allotted.

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

Plan of Action	Achievements
<p>Key actions planed</p> <p>Re-orientation towards improvement in quality of higher education</p> <p>Bridge courses for the 1st year students</p> <p>Various departmental societies</p> <p>Parent-Teacher meeting</p> <p>Short Excursion</p> <p>Woman Empowerment cell</p>	<p>Response time of office has improved, More no of unit tests have improved result.</p> <p>4 departments have conducted bridge course</p> <p>All the science students were benefited through 3 societies Chemical Society, J.C. Bose Physics Society & Biological Society. Arts, Performing Arts & Appreciation Society, formerly known as Cultural society has provided platform for development of inbuilt qualities as well as help them to discover hidden talents. Literary Society has helped students to improve writing as well to improve communication.</p> <p>Parent –Teacher meeting has been conducted at departmental level. Every meet was witnessed and monitored by IQAC member.</p> <p>5 Departments have conducted short excursion tours for study purpose.</p> <p>Various programs were conducted by WEC (report attached)</p>

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Staff Members to be encouraged to participate in Faculty Development Program	One staff members has undergo FDP on entrepreneur development.
Staff Members to be encouraged to submit research proposal to funding agencies	2 Major, 3 Minor projects submitted
Various departments to be encouraged to collaborate with other research institute Initiation	2 departments (Electronics & Microbiology) have MoU for research
Recruitment of teaching and non-teaching staff (vacant post) subject to NOC from University and Government.	5 teaching & 2 Non-teaching staff recruited
At the end of the session students feedback analysis has to be done	Analysis done
Initiative for e-Governance	All departments/ cell /office now have new independent email address.
Interaction with companies to organize on & off campus placement drive	2 placement drives were organized in which 19 students were selected

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

7.3 A

1. Title of the practice :- (N.S.S.) National service scheme
2. Goal :- The main motto of N.S.S. is “Not me But you”, sticking to this motto our institution always tries to make the students aware regarding their social service through which they can identify the needs and problems of the community and involve themselves in problem solving process, While taking their regular education.
3. The Context :- In society there are several myths and misbelieves strongly rooted their roots from many decades. Through N.S.S. activities we try and create awareness in the community in scientific way, that how this myths ruins our day to day life and also our surrounding environment. Some of the challenging issues which we use to aware the society are blood donation and *Nirmalya* (used flowers and garlands of holly God and Goddess) collection during idol immersion.
4. The practice :- Our N.S.S. unit regularly conduct programs based on various social issues, like blood donation and *Nirmalya* collection during idols immersion on various lakes of the city. Through which students gain skills in mobilizing community participation and develop competence required for group living and sharing of responsibilities. Through such activities students used to understand the true meaning of higher education. While performing such activities we face various problems because most of the people are uneducated and they live life with false beliefs. So through such activities we try to solve their problems in scientific ways.
5. Evidence of success :- Our N.S.S. unit always use to aware the students and community through scientific way e.g. students made aware that how blood donation is safe and one can donate blood by following certain rules. Our college very proudly like to says that in last 11 (eleven) years total 826 students donated blood out of which 285 were girl students through 18 blood donation camps. Our institute regularly conducts free eye check up and medical checkup camps for needy, underprivileged and socio-economically backward people of the community. In last 5 years, 6 camps were organized and total 4828 people were beneficiaries, out of which 241patients treated with free cataract surgeries and 231 free spectacles were distributed to needy people. Through environmental awareness program our volunteers every year work hard during Ganesh idol immersion festival on various lakes of the city for collection of *Nirmalya* and they try to educate the masses about hazardous effect of immersion of idols made by P.O.P. and used lowers and garlands. Our volunteer’s make aware the people regarding importance of clean water, clean environment and green mother earth.
6. Problems Encountered and Resource required: - During (used flowers and garlands of idols) collection program various social problems were encountered because this is religious issue. To solve this issue some N.G.O. and govt. organizations should come forward and tie hands with *Nirmalya* educational institutes like our institution to minimize such problems.

7.3 B

1. Title of the practice :- Adult and Continuous Extension Education Program (ACE)
2. Goal :- To uplift the social status of peoples of economically weaker section , college/ school dropouts students, the effort are being taken to bring them in main stream of society.
3. The context :- In our surrounding area many underprivileged and poor people are residing. Usually they are not aware about the basic medical needs/facilities, environmental and social problems. Through A.C.E. practice we try to aware the mass group of people in a scientific ways.
4. The practice :- Under the scheme of A.C.E. hundreds of students from the institution are enrolled to work for the adult and continuous education. They have been guided and motivated by teachers to aware illiterate people in the society. In such programs, street march, street plays and slogan contest is regularly organized. Various social, educational and cultural events are being organizes in our institution. There are many challenging issues which we use to aware the society. By educational rallies on international literacy day, also programs is organized on international ozone day and international science day.
5. Evidence of success :- A.C.E. unit of our college always contributes through social awareness programs to educate the people. Various events are organized to draw attention of masses. International literacy day was celebrated with great zeal and enthusiasm. A rally was organized from the college covering 5 k. m. distance of the slum area of North Nagpur. More than 600 students participated with posters and handouts to encourage literacy mission. The rally made a good and fruitful impact not only on the illiterate people living in slum areas but also on the economically weaker sections. Various environmental awareness programs like essay competition on “climate change and its impact” was organized. International science day celebrated with great enthusiasm in the college to aware students and common people regarding development of science.
6. Problems Encountered & Resource required: - It is experienced that during various rally’s through the slum areas people were not interested for the same so, it is very big task to create their interest in such programs for that some Government organization and N.G.O. should be involved for the success of such programs.

7.4 Contribution to environmental awareness / protection

Energy conservation: - posters are displayed in laboratory and corridors depicting the message for conservation of energy. Miniature Circuit Breakers are installed at the entry of each class room to control wastage of energy. Students are instructed to put off the light & fans while leaving the room.

Use of Renewable energy:- Solar based illumination systems

are installed in the college premises to ensure the maximum use of solar energy.

Water Harvesting: - Rainwater harvesting system is installed in college premises to ensure the maximum conservation of rain water.

Students are demonstrated regarding awareness of water conservation.

Plantation: - The College organizes regular plantation drive to make the college campus green and aesthetically beautiful. This year also the plantation program was organized and plants of various species were planted at different places in the vicinity of college campus.

In addition of that college has beautiful garden having various species of ornamental and other plants with botanical importance. College garden also has green net house to maintain shade loving plants and to protect the plants during summer.

Hazardous waste management:- The microbiology department use to perform various experiments on different micro-organisms. After completion of experiments all the culture tubes, plates & flasks are autoclaved; it is the regular practice which microbiology department performs. After autoclave, they used to pour all the pathogenic and non pathogenic materials in properly dig pits. Also department of zoology use to perform various experiment on fishes, pila, leaches and earthworms etc. They used to destroy all the materials properly by digging pits and pouring the used animal into the pits.

7.5 Whether environmental audit was conducted? Yes No

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

S W O T Analysis

STRENGTH

- Quality Teachers
- Technology enabled infrastructure
- Catering to the needs of weaker section
- Inclusive growth of students
- Dedicated governing body committed to serve

WEAKNESS

- Space limitations & infrastructure reorientation
- Non recognized research centre by RTM Nagpur University
- Surrounded by society with poor perception for education
- Lack of Hostel facility
- Non clearance of vacant post by government

OPPORTUNITIES

- To stand as light house in the midst of socio-economically weaker section
- Wide scope to produce competent graduates in basic sciences
- Creating solution to environmental problems by research
- Dedicated group of staff capable of energizing students for spreading awareness about social issues
- Major share of girl students create opportunity for Women empowerment

CHALLENGES

- Remarkable decrease in the quality intake of students
- Poor socio-economical status compel for lower quality output
- Casual approach and lethargic tendencies in the work culture of the students
- Students with poor communication skills

8. Plans of institution for next year

- 1) It has been decided that all the departments should begin with bridge courses and develop English speaking habit and skill among the students through various method such as Teacher student interaction, group discussion etc
- 2) For bringing quality in academics & research in the institution, faculty members should be motivated to actively participate in workshops, seminars, conferences etc. However during one academic year, a faculty can participate in workshop/s , participation in conferences/seminars should be restricted to two in number and paper presentation in seminars/conferences also should not be more than two.
- 3) It has been decided that administrative wing of college including the Principals office should shifted in the existing room numbers 04, 05 and 06
- 4) It has been decided and unanimously accepted by the IQAC to start quarterly newsletter by the name and style SHAN (Stake Holders Awareness Newsletter).
- 5) Development of ICT enabled infrastructure at five places i.e. Library Reading room cum ICT enabled classroom, Department of Zoology, Central Digital Reading Room, while two are already established at department of Electronics and Dada Bakhru Auditorium.
- 6) It has been endorsed to implement energy conservation through solar power and energy efficient lighting in phased manner starting from laboratories.
- 7) Water proofing on the terrace of Zoology, Chemistry and Biotechnology departments and subsequently erection of MS shed with provision for solar panel.

Name Mr. A. M. Mundhada

Name Dr. K. J. Cherian



Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC