

**ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2013 -14**

**SCIENCE COLLEGE PAUNI, DISTT. BHANDARA  
(M.S.)**

*Submitted to:*

**National Accreditation and Assessment Council (NAAC)**  
P.O. Box No. 1075, Opp: NLSIU, Nagarbhavi, Bangaluru, 560072 India

## SCIENCE COLLEGE PAUNI, DISTT. BHANDARA (M.S.)

### AQAR 2013 – 14 PART – A

#### 1. Details of the Institution

1.1 Name of the Institution

SSES Amravati's  
Science College Pauni

1.2 Address Line 1

Khapri Road, Pauni, Dist. Bhandara

Address Line 2

(MS), India-441910

City/Town

Pauni

State

Maharashtra

Pin Code

441910

Institution e-mail address

sciencecollegepauni@gmail.com

Contact Nos.

07185-255310

Name of the Head of the Institution:

Dr. D. K. Burghate

Tel. No. with STD Code:

07185-255310

Mobile:

9422306680

Name of the IQAC Coordinator

Dr. B. S. Rahile

Mobile:

9890426422

IQAC e-mail address:

sciencecollegepauni@gmail.com

1.3 NAAC Track ID:

09712

1.4 Website address:

www.sciencecollegepauni.org

Web-link of the AQAR:

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### 1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	C	-	May, 2004	May, 2009
2	2 <sup>nd</sup> Cycle	B	2.28	Sept. 2012	Sept. 2017

1.6 Date of Establishment of IQAC: 30/04/2009

1.7 AQAR for the year: **2013-14**

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*)

i. AQAR 2012 -13 submitted to NAAC on **15/11/2020**

### 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

Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur

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

Autonomy by State/Central Govt./University

Nil

University with Potential for Excellence

Nil

UGC-CPE

Nil

DST Star Scheme

Nil

UGC-CE

Nil

UGC-Special Assistance Programme

Nil

DST-FIST

Nil

UGC-Innovative PG programmes

Nil

Any other (Specify)

Nil

UGC-COP Programmes

√

2. IQAC Composition and Activities

2.1 No. of Teachers

08

2.2 No. of Administrative/Technical staff

01

2.3 No. of students

Nil

2.4 No. of Management representatives

01

2.5 No. of Alumni

Nil

2.6 No. of any other stakeholder and community representatives

01

2.7 No. of Employers/ Industrialists

Nil

2.8 No. of other External Experts

Nil

2.9 Total No. of members

11

2.10 No. of IQAC meetings held

02

2.11 No. of meetings with various stakeholders: No.

01

Faculty

02

Non-Teaching Staff

01

Students

01

Alumni

01

Others

Nil

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

√

No

If yes, mention the amount

Rs. 3,00,000/-

### 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

**Role of Beekeeping in Pollination**

### 2.14 Significant Activities and contributions made by IQAC

- Wildlife Conservation Week celebration
- Mass Tree plantation program in Campus
- Observation and celebration of World Woman Day on 8<sup>th</sup> March
- Organized workshop on Role of Beekeeping in Pollination for farmers and students
- Organized five days training programme on skill development in bee keeping practices, in association with KVIB
- Organized social gathering for students
- Organized Parent-Teachers meet
- Prepared proposal for the augmentation of infrastructure facilities

### 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
Reconstitution of IQAC	IQAC reconstituted as per recent guidelines
Initiation of outreach activities	1. Addressed the gathering of farmers. 2. Distributed seeds of new <i>Brassica</i> variety released to the farmers
Training programmes for farmers	Submitted one major research project proposal to UGC
Classroom up-gradation	Improved sitting arrangement for students
Modification in office set-up	Administrative office renovated and reset
Organization of conference	Submitted proposal to UGC for organization of national level conference in Chemistry
Enhancement in ICT tools	Laptops, LCD Projectors and computer machines purchased
Remedial classes	Conducted remedial classes for the weaker students
Blood donation camp	Organized Blood Donation camp in collaboration with Rainbow Blood Bank, Nagpur
ICT strengthening	Integrated modern tools and techniques for effective teaching-learning process
Green campus activities	Carried out cleanliness of campus through NSS, organized plantation programme in the college premises
Society oriented activities	Organized 07 days NSS camp of 50 students at Khairi Diwan

2.15 Whether the AQAR was placed in statutory body: Yes  No

Management  No Syndicate  No any other body  No

Provide the details of the action taken:

- Reconstituted the IQAC as per the recent guidelines received from NAAC
- Information of the farmers from the nearby area collected and organized the gathering of farmers to make them aware of the benefits of beekeeping
- Seeds of new *Brassica* variety released was distributed to the farmers
- Proposal for major research project submitted to UGC
- ICT facilities enhanced by purchasing Laptops, LCD Projectors and computer machines
- Remedial classes for the weaker students conducted
- Blood Donation camp in collaboration with Rainbow Blood Bank, Nagpur organized
- College campus cleaned through NSS programmes
- Mass tree plantation programme organized in the college premises
- Organized 07 days NSS camp of 50 students at Khairi Diwan
- Organized parent-Teachers meet and collected feedback
- Feedback collected from the regular students and was analyzed

Prepared AQAR placed on table in the meeting of IQAC, discussed thoroughly and finalized after incorporation of valid suggestions.

## PART – B

### CRITERION-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
Ph. D.	Nil	Nil	Nil	Nil
PG	Nil	Nil	Nil	Nil
UG	03	Nil	Nil	Nil
PG Diploma	Nil	Nil	Nil	Nil
Advanced Diploma	Nil	Nil	Nil	Nil
Diploma	Nil	Nil	Nil	Nil
Certificate	02	Nil	Nil	Nil
Others	Nil	Nil	Nil	Nil
Total	05	Nil	Nil	Nil

Interdisciplinary	Nil	Nil	Nil	Nil
Innovative	Nil	Nil	Nil	Nil

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

#### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	01
Trimester	Nil
Annual	02

1.3 Feedback from stakeholders\* Alumni  Nil Parents  v Employers  v Students  v  
(On all aspects)

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

\*See Annexure –

#### 1.4 Whether there is any revision/update of regulation or syllabi.

If yes, mention their salient aspects.

Yes.

University has introduced semester pattern system for the undergraduate course in science stream in a step-wise manner. Design and development of the curriculum in different subjects is academic responsibility of the affiliating university. All affiliated colleges are at the receiving end and are bind

to implement the curriculum prescribed by the university. Modification and up gradation in the syllabus is carried out by the Board of Studies in respective subjects. Under the guidelines received from UGC and the Department of Higher Education of State of Maharashtra, the affiliating university modified the syllabus in accordance with the newly introduced semester pattern in phase wise manner. The institution has design and develop the syllabus for the two career oriented courses sponsored by UGC. The newly designed syllabus was implemented for Semester I and II.

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

No

## CRITERION – II

### TEACHING, LEARNING AND EVALUATION

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
12	07	04	01	Nil

2.2 No. of permanent faculty with Ph.D.:

05

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
7	04	3	-	1	-	-	-	11	04

2.4 No. of Guest and Visiting faculty and Temporary faculty:

Nil

04

03

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	03	08	02
Presented papers	01	06	Nil
Resource Persons	Nil	03	Nil

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

- All departments have organized regular student's seminars
- Remedial classes conducted for weaker students
- Faculties have prepared the study material as per the modification in curriculum
- Self-prepared notes circulated to the students
- Faculties have prepared the topic-wise ppts for effective delivery
- Both traditional black board and advance teaching methods were used.
- Teachers are encouraged to use latest ICT technology for teaching
- Well-designed teaching-learning 'Pawan Pattern' strengthened.
- More focus on activity based learning.

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

180

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

Affiliating university has made certain reforms in the examination pattern and evaluation system in accordance with the semester pattern. Established provisions are as follows:

- Institution already enlisted as an examination center for both theory and practical for summer and winter examinations
- Provision to challenge the valuation
- Photocopy of the evaluated answer book
- Revaluation
- Institution conducted the regular unit test examination in all theory subjects
- Institutional level terminal examination conducted before the university examination

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop: 01

2.10 Average percentage of attendance of students: 85%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division			Total number of students passed	Pass %
		I	II	III		
B. Sc. Sem I	111	03	08	-	11	9.73
B. Sc. Sem II	109	06	21	-	27	24.77
B. Sc. II	46	13	07	-	20	43.80
B. Sc. III	30	07	22	-	29	96.67

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

- IQAC suggested to conduct unit test examinations after the completion of each unit. The marks obtained should be submitted to IQAC.
- Suggested for conducting extra classes for the early completion of syllabus,
- Decided to focus on the slow learner and advanced learner separately,
- Recommended to strengthen tutorial and remedial classes for the students,
- Decided to conduct the college terminal examination at least one month before the final university examinations,
- The evaluated answer books to be handed over to the students with proper remarks and suggestions for improvement in writing the specific, to the point answer of the question,
- IQAC resolved to purchase more number of titles of the text and reference books in the library and also to make it available for the students,
- Recommended to organize group discussion of students on the themes related with their curriculum,
- Strongly recommended to have a fare evaluation of the students,
- Internal assessment marks to be given based on the overall performance of the students, regularity and active participation in various academic activities,
- Suggested to the faculty members to demonstrate the practical during regular practical,
- Test practical to be conducted before the university final practical examination.

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	01
UGC – Faculty Improvement Programme	01
HRD programmes	Nil
Orientation programmes	Nil
Faculty exchange programme	Nil
Staff training conducted by the university	Nil
Staff training conducted by other institutions	10
Summer / Winter schools, Workshops, etc.	Nil
Others	Nil

### 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	05	03	Nil	Nil
Technical Staff	04	01	Nil	01

### CRITERION – III

#### RESEARCH, CONSULTANCY AND EXTENSION

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

- Faculties were encouraged for the preparation and submission of the research proposals to different funding agencies,
- Encouraged to undertake inter-disciplinary and collaborative research.
- Recommended to have collaboration with industries in the nearby area,
- Encouraged the faculties for publication of research articles in reputed journals,
- Recommended to the head of the institution to provide financial support for publication of research papers and attending conferences,
- Recommended to generate funds from various funding agencies.

##### 3.2 Details regarding major projects

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

##### 3.3 Details regarding minor projects

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

##### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	02	07	Nil
Non-Peer Review Journals	Nil	Nil	Nil
e-Journals	Nil	Nil	Nil
Conference proceedings	Nil	Nil	Nil

##### 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 Organizations.

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

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:

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	Nil
International	Applied	Nil
	Granted	Nil
Commercialized	Applied	Nil
	Granted	Nil

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

Total	International	National	State	University	Dist	College
Nil	Nil	Nil	Nil	Nil	Nil	Nil

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	Nil	State level	Nil
National level	Nil	International level	Nil

3.24 No. of Awards won in NCC:

University level	NA	State level	NA
National level	NA	International level	NA

3.25 No. of Extension activities organized

University forum	Nil	College forum	02		
NCC	Nil	NSS	03	Any other	01

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

- Department of Zoology organized the training workshops on Beekeeping for Farmers
- Campus cleaning done by NSS volunteer
- Adopted village cleaned by NSS volunteers
- Organized seven days NSS camp at Kurza
- Organized blood donation camp on the occasion of Late Panjabrao alias Bhausaheb Deshmukh anniversary
- Mass tree plantation programme organized
- Organized rallies on AIDS Awareness, Wildlife Conservation,

## CRITERION – IV

### INFRASTRUCTURE AND LEARNING RESOURCES

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	1.5 Acre	Nil	Management	1.5 Acre
Class rooms	07	Nil	Management	07
Laboratories	05	Nil	Management	05
Seminar Halls	Nil	Nil	Nil	Nil
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	Nil	Nil	Nil	Nil
Value of the equipment purchased during the year (Rs. in Lakhs)	Nil	Nil	Nil	Nil
Others	Nil	Nil	Nil	Nil

#### 4.2 Computerization of administration and library

- Partial computerization of office administration
- Purchased Xerox machine
- Up gradation of library facilities
- Computerized Library information

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	2830	360340/-	Nil	Nil	2830	360340/-
Reference Books	2593	825467/-			2593	825467/-
e-Books	Nil	Nil	Nil	Nil	Nil	Nil
Journals	Nil	Nil	Nil	Nil	Nil	Nil
e-Journals	Nil	Nil	Nil	Nil	Nil	Nil
Digital Database	Nil	Nil	Nil	Nil	Nil	Nil
CD & Video	Nil	Nil	Nil	Nil	Nil	Nil
Others (specify	Nil	Nil	Nil	Nil	Nil	Nil

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centers	Computer Centers	Office	Departments	Others
Existing	27	15	02	Nil	Nil	04	06	Nil
Added	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total	27	15	02	Nil	Nil	04	06	Nil

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

- Reprographic facility up graded
- CCTV surveillance facility upgraded and strengthened in the campus,
- Internet facility strengthened for staff and students
- Computer training programmes for Non-teaching staff organized,
- ICT facility strengthened,
- Partial automation of office administration carried out
- Anti-virus software were installed in desktop and laptops to protect from Virus, Malware and Spyware

4.6 Amount spent on maintenance in lakhs:

i) ICT	Nil
ii) Campus Infrastructure and facilities	39322/-
iii) Equipments	Nil
iv) Others	1185/-
Total:	40507/-

## **CRITERION – V**

### **STUDENT SUPPORT AND PROGRESSION**

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Constructive suggestions obtained from the students after analysis of the feedback were considered for improvement in infrastructure, academic and administration were positively considered.
- Actively working Students Grievance Cell resolved grievances of the students,
- Focused on gender equity,
- Students were helped for filling scholarship and other forms by setting student support cell in the college.
- Timely distribution of the scholarships to the eligible students,
- Rendered financial support by the teaching faculties to the needy and poor students,
- Students securing highest marks in the university examinations were awarded by cash prizes sponsored by the teaching faculty members,
- Career guidance provided to the students through Placement Cell.
- Organized Career Development programmes.
- Students participation in various academic, co-curricular and cultural activities enhanced by motivating them,
- Financial supports were provided to the students participating in various events organized by other institutions,
- Effective guidance provided to students to pursue higher education,
- Community related programmes were organized with the participation of students to make them aware of the local issues and problems,

#### 5.2 Efforts made by the institution for tracking the progression

- Daily attendance of students monitored
- Attendance of the students in academic, cultural and other events organized was made mandatory,
- Regular unit test conducted for monitoring student's performance
- College terminal examination conducted well in advance of the university examination
- Student's performance in unit tests, college terminal examination monitored.
- Weaker students guided separately,
- Organized Parent-Teacher meet in the month of December
- Parents were regularly informed about the performance of their wards,
- Monitored and maintained the information of students acquiring higher education.
- Programmes related with personality development and career opportunities were organized regularly,
- Students securing highest positions, recipient of awards were felicitated on special occasion in the institution,
- Organized social gathering for the students to explore their hidden assets,
- Alumni association strengthen and reconstituted,

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
255	Nil	Nil	Nil

(b) No. of students outside the state 

NIL
-----

(c) No. of international students 

NIL
-----

Men

No	%
Nil	Nil

Women

No	%
Nil	Nil

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
04	76	13	128	--	221	02	57	31	165	--	255

Demand ratio: 1:148 (120:178)

Dropout %: 56.93 %

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

- Workshops and guest lectures organized for career guidance and preparation for competitive examinations.
- Organized personality development and motivational sessions for the students,
- Facilities available with the institutions regarding coaching for competitive examinations are shared with other coaching institutes in the district,
- Conducted general knowledge examination at the college level,
- Advertisements for various jobs, recruitments were shared with the eligible students,

No. of students beneficiaries 

87
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5.5 No. of students qualified in these examinations

NET 

Nil
-----

      SET/SLET 

Nil
-----

      GATE 

Nil
-----

      CAT 

Nil
-----

IAS/IPS etc 

Nil
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      State PSC 

Nil
-----

      UPSC 

Nil
-----

      Others 

02
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5.6 Details of student counseling and career guidance

- Provided guidance through Active Career Guidance and Placement Cell,
- Created free environment for the students to approach the concerned faculty and the administrative head of the institution,

- Active Grievances Cell is working for the timely resolution of grievance of the students,
- Organized career guidance and guest lectures by inviting experts from professional organizations,
- Organized orientation as well as counselling programme for students regarding the examination pattern of the university examination,
- Final year students were guided for securing higher education and the other opportunities available,
- Lectures on value educations organized,
- Disputed matters were timely resolved through personal counselling of the students,
- Newly admitted students were introduced with the discipline, rules and regulation to be followed, at the beginning of the academic session,
- Anti-ragging committee strictly monitored any kind of harassment of the students within the campus.

No. of students benefitted: 36

### 5.7. Details of campus placement

On campus			Off campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
Nil	Nil	Nil	Nil

### 5.8 Details of gender sensitization programmes

- Celebration of National Women’s Day on 8th March
- Issues related to gender sensitization discussed regularly through various programmes,
- Organized Save Girl Child rally through NSS,
- Observed Breast Feeding Week for girls students
- Health awareness and hygiene issues addressed,
- Organized poster competition on the theme ‘Save Girl Child’,
- Organized legal awareness programme on ‘Sexual harassment’ in collaboration with Bar Association, Pauni,
- Organized ‘Raksha Bandhan’ programme in the college

### 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	Nil	Nil
Financial support from government		5,80,896/-
Financial support from other sources	Nil	Nil
Number of students who received International/ National recognitions	Nil	Nil

5.11 Student organized/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:

Following issues related to students resolve:

- Drinking water facility
- Ladies common room
- Internet facility for students

## **CRITERION – VI**

### **GOVERNANCE, LEADERSHIP AND MANAGEMENT**

#### 6.1 State the Vision and Mission of the institution

**VISION:**

The Vision of the Institute is to spread the education to different strata of the society, in the rural area, deprived of it during the preceding centuries to bring the social transformation and to use the education as a major tool to inculcate scientific temperament, sense of justice, leadership qualities, social responsibilities, ethical values and to bring them to the level to participate in the nation building activities with a view to promote their individual, social and consequently the national growth.

**MISSION:**

- To provide quality education to the students from all strata of society in general and poor and middle class families in particular.
- To impart quality education through the established academic programmes and promote scientific temper among the students,
- To create intellectually stimulating environment for students to acquire skill based knowledge and platform for creativity, innovations to progress towards excellence and to make them vibrant and conversant with current knowledge,
- To inculcate sense of discipline and responsibility towards nature and society
- To create intellectually stimulating environment for innovative ideas, creativity and to provide best educational experience to the students by promoting an environment of continuous improvement.
- To imbibe the students with science oriented ethical, moral and social values in personal and social life leading to highly cultured and civilized citizen
- To disseminate the latest knowledge and technology in farming practices by establishment of farmer's association.
- To emerge as premier higher education institute within the area by providing quality education,

#### 6.2. Does the Institution has a management Information System

**Yes-**The institution has computerized data base used for proper and speedy functioning of the institution with respect to administrative set up including financial matters, Salaries of the employee, Income tax, Student admission and library functioning.

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

### 6.3.1 Curriculum Development

- Feedback obtained from students, parents and teachers analyzed
- Valid suggestions obtained through the feedback regarding were communicated to BOS in different subjects.
- Faculties from the institution actively engaged in curriculum design and development at university level
- Elected/nominated members in BOS from the institution discuss the modification in curriculum in the meetings of BOS.
- The institution is not the authority to design and develop the curriculum of the subjects since it is an affiliated college. The affiliating university design and develop the syllabus through BOS of different subjects. The same is discussed in Academic Council for approval and implementation and finally approved by the Board of Management. The approved syllabus is communicated by the university to different affiliated colleges and are implemented uniformly.

### 6.3.2 Teaching and Learning

- Semester pattern implemented
- University has unitized the curriculum of all the subjects
- Most of the faculties acquainted with modern teaching learning tools.
- Traditional black board teaching is supplemented by teaching using modern tools.
- New instruments purchased as per the requirement.
- Prepared question bank updated,
- Self-prepared notes updated as per the modification in curriculum
- Subject-wise notes shared with students
- Remedial coaching classes for the slow learner
- Monitoring of student's performance and excellence in the academic area
- Organization of group discussion, classroom student's seminar, guest lecture and study tours.
- Focus on participatory and experimental learning
- Organized group discussion, debate and quiz competition

### 6.3.3 Examination and Evaluation

From the inception of the institution, we tried to inculcate the moral and ethical values among the minds of student. Our efforts yielded good fruits of making the students more responsible and society oriented. We also focused on the participatory and experimental teaching-learning process. We practice on following aspects;

- Regular conduct of unit tests in all subjects
- Paper setting as per the university pattern
- Internal assessment as per university norms
- Constitution of active Examination Committee

- Conduct of the College Terminal Examination
- Organization of test practical examination as per university pattern
- Sincere and impartial evaluation of the answer books
- Immediate communication of the marks to the students

#### 6.3.4 Research and Development

- Monitoring of research through Research Committee
- Engagement of the faculties in research activities
- Easy and smooth process of granting study leave to the faculties
- Permission for collaborative research with other institutions
- More focus on collaborative and applied research
- Publication of research articles in reputed journals
- Free hand for submission of the research proposals to different funding agencies
- Need based purchase of instruments in the laboratories
- Inter-departmental collaboration for research activities.
- Participation in conferences and workshops

#### 6.3.5 Library, ICT and physical infrastructure/instrumentation

- Strengthen Internet facility
- Incorporation and frequent use of ICT tools for teaching and learning
- Modern equipment procured
- Subscription of the research journal
- Renovation of the existing laboratories
- Preparation and submission of the budget estimates for new construction

#### 6.3.6 Human Resource Management

- Focused on recruitment of well qualified staff
- Maximum teaching staff is with Ph.D. as highest degree
- Submission of the proposal to parent organization for filling up vacancies
- Yearly analysis of the of the confidential reports of every employee
- Organization of computer awareness programmes for the non-teaching staff
- Encouragement to faculty members to participate in academic activities
- Inter-departmental mobility and coordination for research and other academic activities.
- Proper action and timely resolution of the grievances of the staff
- Democratic functioning at different level

#### 6.3.7 Faculty and Staff recruitment

- Recruitment process for teaching and non-teaching staff carried out at the management level.
- Total annual workload and vacancy positions approved by Joint Director, Nagpur

- Recruitment process is strictly in accordance with rules and regulations governed by UGC, Government of Maharashtra as well as affiliating university.
- Advertisement published in Newspapers of wide spectrum as well as local level.
- Sanctioned posts and constitutional reservation in recruitment approved from both affiliating university and government office.
- Attempted to recruit temporary and CHB teachers from eligible candidates, if available
- Interview procedure strictly followed
- Timely submission of the proposals of teaching staff for the placement under CAS
- Appointments of the teaching staff approved from the affiliating university, whereas, non-teaching staff approved by Joint Director
- Roaster maintained by the office of parent organization
- Organize training programme for newly recruited staff

#### 6.3.8 Industry Interaction /Collaboration

- Institution is in area of low industry density
- Organized industry visits for the students
- Organized visits to the reputed institutions and laboratories of national repute
- Various departments have formal and informal linkages with other institutes for academic and other purposes
- Enrollment of students for research in collaboration with other institutions
- Linkages with government agencies and NGOs
- Frequent organization of guest, popular lectures and training programmes
- Organization of academic events such as conferences/workshop in collaboration with other institutes/industries
- Organized gathering of farmers in the area

#### 6.3.9 Admission of Students

- Preparation and publication of updated prospectus containing information of the courses offered, infrastructural facilities, eligibility criteria for each course, subject combination, fee structure, academic calendar, rules and regulations, support facilities and various schemes and documents required for admission.
- Publication of advertisement and preparation of banners regarding “Admission open”
- Display information regarding admission on the college notice board
- Follow transparent admission procedure as per the norms of government and affiliating university
- Follow all state government reservation policies
- Admissions on merit basis

6.4 Welfare schemes for

Teaching	Provident Funds Insurance Group Insurance Medical Insurance DCPS Gratuity Fee concession for wards TA/DA to staff members for office and academic work
Non teaching	Provident Funds Insurance Group Insurance Medical Insurance DCPS Gratuity Fee concession for wards TA/DA to staff members for office and academic work
Students	Insurance Government of India Scholarship Fee waiver

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done Yes  No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Agency
Academic	No	No	Yes	IQAC
Administrative	No	Parent organization	Yes	IQAC

6.8 Does the University/ Autonomous College declare 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?

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

#### 6.11 Activities and support from the Alumni Association

- Names of the alumni properly documented
- Cash prizes/awards for the toppers in the university examinations sponsored by the teaching and non-teaching staff
- Organization of guest lectures by the alumni to share and motivate the current students
- Regular alumni interactions with students at least once in academic year
- Received donations and books from the alumni
- Supports for campus recruitment
- Eligible alumni given priority to serve in the college on clock hour basis (CHB)

#### 6.12 Activities and support from the Parent –Teacher Association

- Parent-Teacher Association is formed
- Organized Parents-Teachers meet at least once in a academic year
- Obtained feedback from the parents
- Constructive suggestion from the parents were discussed and action taken
- Parents regularly informed about the progress of their wards
- Parents of the newly admitted students were invited during induction programme and Principal's address.

#### 6.13 Development programs for support staff

- Easy process for granting the leave to the staff under Faculty Improvement Programme (FIP) of the UGC.
- Timely granting permission for attending Refresher/Orientation/Short Term and Training programmes
- Relieving the teaching staff for attending conferences/seminars/workshops/symposia
- Organization of training programmes for non-teaching staff on Computer Literacy
- Organization of training programmes for teaching staff for incorporation of ICT in teaching-learning
- Free hand to the teaching staff for organization of academic activities in collaboration with other institutes
- Procurement of research based sophisticated instruments
- Interdepartmental mobility for utilization of instruments available

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

- Campus cleanliness programme through NSS volunteers
- Waste water management practice
- Vermicomposting activities using bio-degradable waste and leaf litter established
- Organization of mass plantation program in collaboration with Social Forestry Department
- Water cooler with RO unit set-up
- Strict ban on plastic usages in the campus

- Organization of student's awareness rallies on the eve of World Environment Day, Wild Life Week in collaboration with Forest Department
- Regular plantation of ornamental and shady plants in the free space of campus
- Cultivation of medicinal plants and plants for study material in Botanical Garden
- Observation of one day in a week as No Vehicle day
- Dumping of waste and hazardous chemicals separately
- Waste obtained from computers and accessories sold regularly as scrap to local vendors
- Regular maintenance of the toilets and lavatories

## CRITERION – VII

### 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.

Innovative Practices	Impact
Daily prayer conducted at the beginning	Inculcation of national integrity
Reading of preamble of constitution	Creating awareness towards constitutional responsibilities among students
Reviewing of thoughts of Dr. Panjabrao alias Bhausheb Deshmukh on social aspects	Creating awareness towards social responsibilities
Incorporation of ICT based teaching	Economization of time, effective teaching through PPTs, videos and other links for quality delivery
Organization of essay competition	Creating awareness about current issues
Organization of allocation exhibition	Addressing burning issues at the national level
Organization of students social gathering	Holistic development by providing platform to the students for exhibition of their hidden assets
Organization of students seminars	Engaging students in participatory learning process
Organization of students group discussions	Platform for exchange of ideas on the topic
Circulation of study material	Enhancement in performance in university examination
Organization of guest lectures	Awareness regarding advances in the subjects
Organization of study tours	Practical and onsite experimental learning

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

Sr. No.	Agenda item	Action taken
1.	Reconstitution of IQAC	IQAC reconstituted as per recent guidelines
2.	Career Oriented Courses	Two career oriented courses continued with enrolment of 30 students
3.	Initiation of outreach activities	1. Farmer's gathering addressed, 2. Seeds of newly released <i>Brassica</i> variety distributed to farmers of adjoining area
4.	Training programmes for farmers	Organized 5 days training programme for farmers on Bee Keeping practices
5.	Research proposal	Submitted one major research project proposal to UGC
6.	Classroom up-gradation	Improved sitting arrangement for students
7.	Modification in office set-up	Administrative office renovated and reset
	Organization of conference	Submitted proposal to UGC for organization of national level conference in Chemistry

	Enhancement in ICT tools	Laptops, LCD Projectors and computer machines purchased
	Remedial classes	Conducted remedial classes for the weaker students
	Blood donation camp	Organized Blood Donation camp in collaboration with Rainbow Blood Bank, Nagpur
	ICT strengthening	Integrated modern tools and techniques for effective teaching-learning process
	Green campus activities	Carried out cleanliness of campus through NSS, organized plantation programme in the college premises
	Society oriented activities	Organized 07 days NSS camp of 50 students at Khairi Diwan

### 7.3 Give two Best Practices of the institution

#### **Best Practice-1**

##### **1. Title of the practice:**

**‘PAWAN PATTERN FOR TEACHING-LEARNING’**

##### **2. Objective of the Practice:**

The practice initiated by the institution for providing healthy environment and sound platform to the students of rural area for the overall development of their personality and to enhance their performance in the university level examination through various academic activities and participatory learning.

##### **3. The Context:**

Promotion of the academic talent among the average students of the rural area admitted to the college is the prime objective of the institution. The students belonging to both the sexes are encouraged to participate in various academic and extra-curricular activities for capacity building and to make them socially responsible personality. We attempt to enhance the academic excellence of the students through the meticulous monitoring, personal attention and continuous evaluation of their academic performance.

##### **4. The Practice:**

Following the reservation policies of the government, the students are admitted in the first year purely on merit basis through the scrutiny of the received applications by the admission committee. Newly admitted students along with their parents are invited for the Principal’s address. The students and the parents are informed about the rules and regulations, discipline, student supporting facilities, schemes available in the institution as well as the evaluation process followed by the institution. Students and the parents are informed about the highlights and course content by heads of respective departments. Initial lectures are devoted to

the refreshment of knowledge based on the previous year curriculum creating an interactive session.

At the beginning of the academic session, the students are made aware about the syllabus by the subject teachers. Every teachers provide the self-prepared notes and related study material to the students. Regular class wise attendance and submission of the reports on irregular students to the office of Principal is made mandatory for every teachers. Academic performance of the students is checked by continuous monitoring system (CMS) developed by the institution and named as “Pawan Pattern”. It includes

- Identification of slow and advanced learner and personal guidance to them
- Regular conduct of unit test and surprise test after the completion of each unit
- Timely evaluation of answer sheets and returned it to the students with specific remarks
- Organization of student’s classroom seminar and group discussion by distributing the topics from the syllabus and related with the subject
- Preparation and circulation of self-prepared notes and question banks in all subjects
- Distribution of topics for assignments and evaluation of assignments
- Organization of study tours and visits to industry and reputed laboratories
- Demonstration of practical by the teachers
- Conduct of test practical examination based on university practical examination, and special session for viva-voce and circulation of probable viva-voce questions
- Organization of extra classes and efforts for early completion of syllabus so as to provide the students ample time for preparation
- Conduct of college level annual terminal examination prior to university examination
- Focus on participatory teaching-learning method
- Encouragement to the students for active participation in academic and co-curricular activities
- Personal attention to the each and every students and solving their problems
- Felicitation of the students for their excellence in performance and other achievements

### **5. Evidence of Success:**

Most of the students admitted to the first year are from rural backgrounds and are having average performance in the qualifying examination. Our continuous and hardworking efforts resulted in the improvement in successive manner and yielded 100% results in few subjects in the university examinations. Few students have occupied meritorious positions in the university whereas, we

have the excellent record of toppers in science stream from both Bhandara and Gondia districts. We have more number of students getting admitted in various institute for post-graduation and for other studies. Encouragement and guidance to the students have resulted in the achievements of students in various extra-curricular activities.

#### **6. Problem Encountered and Resources Required:**

Most of the students admitted are from rural area and from economically weaker families. Technological resources are not sufficiently available in most of the part of the region. English language is the main barrier in communication with the students. Inadequate transportation facilities hamper the student's efforts for spending extra time in the college. Few of the villages, particularly in forest areas are not having the network connectivity that created barrier in timely communication of the information. We have limited resources available being working in the remote area.

#### **7. Notes (Optional):**

The teaching-learning pattern developed and implemented by the institution has proved to be fruitful in academic improvement of the students. It also brought the name and fame to the institution to be one of the best institutions in the rural area. We are not only concerned with the academic development of the students but also looking after the personality development providing sound platform to them for the exhibition of their hidden assets. It received wide mouth publicity through the passed out students and that resulted in receiving more number of applications for the admission. The academic platform developed has also created healthy competition among the students and helping them to build their career.

#### **Best Practice-2**

##### **1. Title of the Practice:**

**‘BEE WITH FARMERS’**

##### **2. Objective of the Practice:**

The practice “Bee with Farmers” initiated by the institution with the following prime objectives

- Previous year's initiative was strengthened following the vision of Dr. Panjabrao alias Bhausaheb Deshmukh, the first Agriculture Minister, Government of India and founder President of the parent organization
- Utilization of local rich agricultural and forest bio resources.
- Creating awareness among students and the farmers about organic farming and
- Providing financial support to the farmers through various government schemes
- Increasing agricultural production with minimum inputs by providing pollination services by beekeeping, and
- Creating employment opportunities for youth and farmers from rural area.

### 3. The Context:

The local area within the radius of about 50 km is rich in natural resources. The soil in the area is mostly black and fertile with abundance of water resource available from the Basin of Vainganga River and the big Gose dam constructed over the river. Most of the portion of area is covered by evergreen and deciduous forest type. However, the farmers are following the traditional farming practice and hence the agricultural production per hector is very low compared to the national average production. Similarly, there are no medium or large industry set up and hence, the youth from tribal and farmer's families have migrated towards urban areas of the state as well as adjoining states in search of the employment opportunities due to low economic income and scarcity of employment opportunities.

Rapid industrialization, indiscriminate use of pesticides, monoculture, deforestation and the pollution agents viz. insects in general and bees in specific have been dramatically declined significantly that has affected the population of pollinating agents that consequently resulted in decrease in yield in several crops more specifically oil seeds, vegetable, horticultural and other fruit crops. The reasons for decline in agricultural production has been analyzed by the faculties from department of Zoology and Botany during the course of research on apiculture and melitopalynology. Similarly, it was observed that unused pollen and nectar resources can be commercialized by using value added products like honey, wax, pollen and propolis. The agro-climatic condition of the area found to be potentially suitable for beekeeping which would help not only in enhancing the agricultural production but also creating employment opportunities for the youth in the area. Thinking on technology transfer from lab to the field for the social cause, department of Zoology has taken an initiative to gather the farmers and the youth, to guide them on the potential benefits of beekeeping practices by organizing workshops/seminars and other practical activities. With the activity undertaken by the institution we are connected with farmers and trying to pay towards the society in a constructive way. We named this activity as “**BEE WITH FARMERS**”.

### 4. The Practices:

Our institution has initiated the farmer's oriented activity. Faculties are actively engaged in awareness, training and providing the financial support to the farmers in collaboration with government and NGOs. Considering the scope of beekeeping in the area, we planned to extend the activities in entire part of Vidarbha region and state too in near future. The practice involves following major aspects:

- **Organization of workshop:** The institution has organized training workshops on potential of honey bees in pollinating the crop plants and subsequent enhancement in agricultural production as well as creating employment opportunities for the youth.
- **Organization of Beekeeping Training Program:** Organized three and five days training workshop for farmers and youth on benefits of bee keeping, handling of bees and their successful rearing for the establishment of colonies.

- **Assistance for Beekeeping:** Sharing of scientific information, guidance and technical assistance to the farmers and youth regarding handling, maintenance of bee colonies and harvesting in the lab and on the field.

### **5. Evidence of Success:**

After the inception of practice previous year, we received overwhelming response from the farmers and the youth of the area. The practice is well appreciated by the farmers that resulted in continuous demand for the training workshops. Few of the farmers started establishments of the bee colonies in their fields and reported the enhancement in the crop production without using any chemical fertilizers. The farmers developed the skill of raising the bee colonies and getting financial support by selling these colonies to the other farmers of the area. Few of the colonies were also established in the college campus and is used for training to the farmers, youth, students as well as academicians.

### **6. Problem Encountered and Resources Required:**

- Financial problem of the farmers to purchase the bee colonies.
- Farmers require financial assistance from the reliable government and NGOS
- Institution has at initial stage of setting up the extension of the activities
- Skillful human resources are inadequate and need to be develop
- Due to social and educational backwardness, more time will require to the farmers to adopt to the new area of farming in place of traditional farming practices
- Urgent need of establishment of beekeeping based industry in the area
- Immediate need of acknowledgment by the government and provision for the financial support.

### **6. Important to Note (Optional):**

Faculties from Botany and Zoology departments have submitted major research project proposal to UGC for initiation and financial support on the aspects of honey bee. Two research students are working on the related aspects under the guidance of two faculties from Botany and Zoology department. Scientific findings of the research shared with farmers for their welfare. We plan to extend the activity at large scale to make it a mass public movement and also try to procure financial assistance from the government sector. We also planned to have strong linkage and MOU with KVIC for organization of awareness and training programme and to strengthen the activity. We are also thinking on collaborative work with NGOs within and outside the state to create job opportunities for the students and the youth of the area.

#### 7.4 Contribution to environmental awareness /protection

- Fencing of entire campus
- Undertaken mass tree plantation in the available space

- Conducted campus cleanliness programme through NSS volunteers
- Waste water management
- Active vermicomposting practices using bio-degradable waste and leaf litter
- Plastic usage in the campus strictly prohibited
- Organization of student's awareness rallies on the eve of World Environment Day, Wild Life Week in collaboration with Forest Department
- Conservation of medicinal plants and plants in Botanical Garden
- Observation of one day in a week as No Vehicle day
- Dumping of waste and hazardous chemicals separately
- Waste obtained from computers and accessories sold regularly as scrap to local vendors
- Organized guest lectures on water conservation, biodiversity, environmental pollution, global warming and sustainable development

7.5 Whether environmental audit was conducted? Yes

No

We constituted the committee for environmental audit from the internal faculty members. The survey report submitted by the committee was analyzed for the recommendations on maintaining eco-friendly campus. Following steps were taken.

- **Green campus:**  
Every year the unwanted grass and weeds removed from the campus ground after the monsoon is over and dumped in vermicomposting pits. Carried out mass tree plantation. Greenery in the campus maintained. More number of ornamental plants grown in pots in the corridor and the spaces available. Seasonal vegetables grown in the space available in the campus. Medicinal plants grown in Botanical garden
- **Power:**  
Class rooms with provisions for sufficient natural light and aeration. Laboratories with proper ventilations and exhaust fans. Classrooms with LED bulbs and light.
- **Water:**  
Waste water managed properly. Rain water is stored in tank connected with the water drainage. Stored water used for watering plants. Provision for percolation of water to enhance ground table of water
- **Waste disposal:**  
Usages of plastics and plastic products in the campus is strictly banned. Waste material disposed and dumped regularly. Requested the local Nagar Palika authorities for the daily collection of waste material. Leaf litters and other waste used for vermicomposting practices.

7.6 Any other relevant information the institution wishes to add.

Last year initiatives taken were continued.

- Organized massive tree plantation in collaboration with forest department and NGOs
- Promoting spirit and awareness among the students for cleanliness of the campus. Every year campus cleanliness programme conducted on 2<sup>nd</sup> October, on the eve of Mahatma Gandhi Jayanti, by participation of NSS volunteers and other students.
- Save energy concept practiced by faculties and students.
- Students were sensitized on minimization of power consumption.
- Displayed 'Save Energy', 'Green Campus' 'Plastic Free Campus', 'Save Water' stickers in the college campus
- Organized awareness programmes on 'Environmental Protection and Pollution' as well as 'Biodiversity Conservation' for all students.
- Energy campaign day is celebrated by NSS unit.
- Maximum use of LED lights to save power consumption.
- Institution has successfully reduced the use of plastic materials
- Waste material collected daily and disposed regularly through buyback policy with the local vendors.
- Setting up vermicomposting pits
- E-waste is disposed regularly through buyback schemes.

## **SWOC ANALYSIS**

### **Strengths**

- Location of the institution in pollution free and eco-friendly atmosphere, away from the residential area
- Thrust to the holistic development of students
- Focused on overall personality development of the students
- Being undergraduate institution, teaching is our priority
- Maximum number of teaching faculty (more than 95%) with Ph.D. as highest qualification
- Excellence in performance of the students
- Performance and result oriented teaching-learning system established
- Establishment of work culture with proper coordination among the staff
- Teacher-students relationship enabling the teacher to act as a mentor and guide of the students in solving academic and personal problems of the students.

### **Weaknesses**

- Being serving in remote area least facilities are available
- Unavailability of infrastructure for active research
- Insufficient scope for industry collaboration

- Library space needs to be enhanced
- Recruitment of faculties centralized with parent organization
- Auditorium in the campus is insufficient to meet the requirements of the college for organization of academic events
- Non-availability of the women staff in the college
- Playground for sports activities is insufficient
- Shortage of Journals and Reference books in few departments
- Laboratories are not recognized for doing active research
- Research students to be enrolled in collaboration with other recognized institutions
- Majority of the students are from poor and farmer's family and cannot afford the fees for self-financing courses

### **Opportunities**

- Opportunity for initiation of PG and other skill based courses
- Recognition of research laboratories
- Scope for initiation of junior wing in science stream with different combinations of subjects
- Tremendous scope for extension activities for farmers and youth of the area
- Opportunity for the inculcation of value based education
- Scope for initiation of skill based courses for employability generation
- Opportunity for procuring support from alumni, well-wishers and philanthropists
- Scope for developing linkages with industries and other academic institutes

### **Challenges**

- Majority of the students from economically, socially and educationally backward class
- English is the language barrier
- Enhancement in infrastructure facility
- Challenge of enhancing students strength
- Being focused primarily on teaching and completion of syllabus before university examinations, difficult for students and the teachers to manage time for extracurricular activities.
- Big challenge of enhancing the performance of the average students in the university examinations
- Little scope for collaborative research with industries
- Challenge for enhancement in active research at the institution level

### **8. Plans of institution for next year**

- Organization of seminars, workshops and conferences
- Planning and preparation of budget estimates for the extension of building

- Recommendation for construction work and financial support from the parent management
- Library enrichment by purchasing more number of titles of Text and Reference books
- Library up-gradation by purchase and installation of library software
- Preparation and submission of utilization certificates to UGC for the grants received under different schemes
- Continuation of Career Oriented Course (COC) in Chemistry
- Students visit to the nearby industry under career oriented course
- Guest lectures organization in different subjects
- Constructive steps towards enhancement in results through “Pawan Pattern”
- Motivation to the faculty members for publication of books and research articles
- Effective measures to be taken for result oriented teaching-learning methodology
- Organization of classroom unit tests and student’s seminars on the topics from the syllabus
- Preparation and circulation of the self-prepared notes and subject materials to the students
- Documentation from different departments and all sections of the institutions
- Organization of workshops and training programmes for farmers on sustainable agricultural practices
- Organization of study tours to the industries for getting acquainted with the instruments used in reputed laboratories
- Organization of blood donation camps
- Organization short and long NSS camps at the college site and at selected village

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