



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S SCIENCE COLLEGE, PAUNI, DIST. BHANDARA (MS)
Name of the head of the Institution	Vijay Vishwanath Lapse
Designation	Principal(in-charge)
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	07185-255310
Mobile no.	9423384804
Registered Email	sciencecollegepauni@gmail.com
Alternate Email	vijaylepse@gmail.com
Address	Shri Shivaji Education Society Amravati
City/Town	Pauni, Dist. Bhandara
State/UT	Maharashtra
Pincode	441910

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Rural</b>
Financial Status	<b>state</b>
Name of the IQAC co-ordinator/Director	<b>Dr. B.S. Rahile</b>
Phone no/Alternate Phone no.	<b>07185255268</b>
Mobile no.	<b>9890426422</b>
Registered Email	<b>bsrahile@gmail.com</b>
Alternate Email	<b>avianaaney@gmail.com</b>

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://sscpauni.com/pdf/AQAR-2016-17.pdf">http://sscpauni.com/pdf/AQAR-2016-17.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://sscpauni.com/pdf/Ac-Calender17-18.pdf">http://sscpauni.com/pdf/Ac-Calender17-18.pdf</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>2</b>	<b>B</b>	<b>2.28</b>	<b>2012</b>	<b>15-Sep-2012</b>	<b>14-Sep-2017</b>

<b>6. Date of Establishment of IQAC</b>	<b>30-Apr-2009</b>
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<b>7. Internal Quality Assurance System</b>
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Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Blood donation camp	07-Jan-2018 01	21
Distribution of bee hives to farmers	17-Dec-2017 01	440
Organized awareness activities on	07-Oct-2017 01	50
One day NSS camp	02-Oct-2017 01	120
One day workshop on patriotism	25-Sep-2017 01	250
University level workshop on	25-Sep-2017 01	140
Field visit at Satpuda Women Silk Pvt. Ltd. Co., Padher, Baitul	18-Sep-2017 02	20
One day seminar on the eve of	19-Aug-2017 01	328
Tree plantation programme	15-Aug-2017 01	95
One day workshop on	21-Jun-2017 01	270
<a href="#">View File</a>		

**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Zoology	Honey Mission	Government of India KVIC, Nagpur	2017 05	1760000
<a href="#">View File</a>				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

- ? Submitted institutional data to All India Survey on Higher Education (AISHE)
- ? Initiative taken for participatory teaching-learning mechanism by incorporation of student's project at UG level
- ? 440 bee hives sponsored by KVIC with the cost of Rs. 1760000/- distributed to farmers by the hands Chirman KVIC
- ? Organized seminar for students and farmers on the eve of "World Honey Bee Day"
- ? Organized Blood Donation Camp in the college in association with Rainbow Blood Bank, Nagpur

[View File](#)

**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
Organization of NSS programme	Organized 07 days NSS camp of 50 students at Umari
Blood donation camp	Organized Blood Donation camp in with Government District Hospital, Bhandara
Training workshops for non-teaching staff	Organized training workshops for non-teaching staff on computer literacy by department of computer science
Ground cleaning	Cleaned and prepared ground for games and sports activities
Modification in office set-up	Administrative office renovated and reset
Preparation of name plates	Departmental boards and name plates prepared by maintaining uniformity
Organization of seminars/workshops	Organized seminar on the eve of "World Honey Bee day" for students and farmers
Outreach activities	440 bee hives distributed to selected and registered farmers by the hands of Hon'ble Vinay Kumar Saxena, Chairman, KVIC, Govt. of India. Cost about 17 lakhs
Student's project	Assigned survey based topics to group of students and carried out the survey

Continuation of MentorMentee system	Formal mentormentee system continued and organized meetings of mentee
<a href="#">View File</a>	
14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	16-Mar-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The institution has partially developed Management Information System (MIS). The institution properly maintained the computerized data used for proper and speedy functioning of the institution with regards to administrative set up including financial matters, Salaries of the employee, Income tax, Student admission and library functioning. The aggregated computerized data is made available and disseminated in the form of information needed to carry out to different sections for the daily operations and as and when required. The MIS is used at different levels to collect, process and store data. The institution created information system for data management i.e. storage, searching, analysis and further exchange and use by different sections of the institution. We are also working on the concept of minimum use of paper hence most of the data has been preserved in soft copy format and used as and when required.

## Part B

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 – Curriculum Planning and Implementation**

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500

As the institution is having permanent affiliation with Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, (Maharashtra), it is mandatory for us to follow the curriculum designed and developed by the affiliating university. The academic calendar committee prepared the academic calendar in accordance with the academic calendar received from the affiliating university. The entire schedule of the internal examinations and the academic activities to be planned as well as the inputs from the departments has been discussed in the Staff Council meeting and the views as well as opinions from the faculty members along with the plan of action chalked by IQAC has been taken in consideration for the preparation of academic calendar. Appropriate activities are incorporated in action plan for effective implementation of curriculum. The affiliating university is the sole authority for the design and development of the curriculum in various subjects. The reshuffling, modification in the curriculum has been carried out by the BOS through the constitution of sub-committee. BOS in various subjects discussed on the constructive suggestions obtained from the faculties and the stakeholders. Similarly, the notifications received from various bodies such as AICTE, UGC, and Ministry of Human Resource Development and also from the Department of Higher Education, Government of Maharashtra regarding the utility, modifications in the curriculum has been considered. The prepared draft has been kept before the BOS and the finalized draft has been sent to Academic Council through the Faculty meetings for approval. The approved curriculum is made mandatory for all the affiliating institutions for implementation and effective delivery. The designed curriculum having utility not only for the students but also for the faculty members of various subjects. Dr. A.K. Aney, Associated Professor and Head, Department of Botany from the institution has been elected as member of BOS in Botany in the academic session 2017-2018. He has also worked as the member of sub-committee constituted for restructuring the curriculum in Botany. Dr. A.K. Aney has also been nominated as member of Board of Examination 48(3) in subject Botany.

Followings are the measures taken by the institutions for the effective delivery of curriculum: 1. Staff Council meeting discussed the changes/modification in the curriculum and the same has been circulated among the staff. 2. Preparation and distribution of Time Table well in advance, 3. Departmental staff meetings discuss and decides the workload distribution and the papers to be taught. 4. Students are made aware by the entire schedule of examination, co-curricular, extra-curricular activities mentioned in the academic calendar, incorporated in the prospectus. 5. Commencement of the theory and practical classes are displayed on the notice board for staff and students. The content of the curriculum, seminars, assignments, group discussions, unit test and college test examination are communicated to the students well in advance, preferably at the beginning of the teaching activities.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Nil	Nil	Nil	00	Nil	Nil

### 1.2 – Academic Flexibility

#### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	Nil	Nil
<a href="#">View File</a>		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Nil	NA	Nil

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	Nil	Nil

### 1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Nil	Nil	Nil
<a href="#">View File</a>		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	Botany, Chemistry, Zoology	50
BSc	Chemistry, Math, Physics	49
BSc	Comp. Science, Math, Physics	17
<a href="#">View File</a>		

### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>The institution has well established system of obtaining feedback from all the stakeholders. After through discussion, the IQAC of the college has prepared the suitable feedback formats by considering different aspects and the parameters to be incorporated in the format. This year also the institution obtained the feedback from following stakeholders. ? Feedback from students ? Feedback from teachers ? Feedback from employer ? Feedback from Alumni ? Feedback from parents The institution has the manual system of collection of feedback from different stakeholders. The IQAC have prepared the suitable formats for different stakeholders with incorporation of suitable questionnaire. The institution has constituted Feedback Analysis committee which is responsible for the collection and analysis of all the feedback collected. All the feedbacks are collected manually in written format. The</p>

student's feedbacks were obtained at the time of distribution of hall tickets for the final university examination, particularly in the month of March. The feedback from parents and the alumni are obtained at the time of parent- teachers meet and the alumni meet, respectively, organized in the last week of December or in the month of January. The employer feedback format for all the teaching and non-teaching staff is filled by the Principal, Head of the institution, at the end of academic session. All the collected feedback are handed over to the duly constituted Feedback Analysis Committee and asked them to analyze and prepare a consolidated report including the constructive suggestions and the recommendations. The reports are discussed in the first staff council meeting held at the beginning of academic session and the viable suggestions are sorted out to keep on table before College Development Committee (CDC) for execution of the recommendations. The proposals of finance related matter are forwarded to the governing body for approval and financial support. Majority of the students related issues are resolved at the college level. Few of the viable and constructive suggestions as well as the recommendations obtained in the feedback were democratically brought to the notice of the students.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	Computer Science	60	35	35
BSc	Mathematics	80	97	74
BSc	Biology	80	80	65

[View File](#)

### 2.2 – Catering to Student Diversity

#### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017	437	Nil	11	Nil	11

### 2.3 – Teaching - Learning Process

#### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
11	5	4	3	Nil	2

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

#### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

After finalization of admission we issued student's identity card to all admitted students. The mentors have been assigned about 39 mentees and asked to organize the meetings of their mentees in order to solve the problems and collect the information as per the guidelines prepared by IQAC. The prepared format has been uploaded on the institutional website. The newly admitted students were guided by the IQAC regarding the mentor-mentee scheme and asked them to have interaction with their mentors. The students were informed about their mentor and the list of the mentee along with their mentor was displayed on the notice board. Each mentor have been provided with the required number of blank format for collecting the information of their mentee and also provided with the standardized guidelines prepared by IQAC. The mentors were asked to organize at least one meeting, per term of the academic session, of all the mentee assigned to them and allow them to discuss their problems in a free environment. The mentee have given space to discuss the issues with his mentor at any free time. The students were encouraged to ask and discuss their problems with their mentor and submit the relevant information in a given format along with the issues they are facing about. The mentors have created social media group of their mentee for the speedy sharing of information. The mentor-mentee system works on the following guidelines. 1. A relationship designed to build confidence and support the mentee in their given tasks and to help mentee to develop understanding the situation and to accept the challenges. 2. The mentor will be responsible for encouraging the mentee to work towards their own objectives and to provide information on career building and achievements. 3. Provide support and encouragement and offer different perspectives. 4. Mentor is a critical friend help mentee to identify areas for development. And have the opportunity to use his/her experience and knowledge in a facilitative manner to support the development of mentee. 5. Mentor-mentee system is developed to increase self-confidence of the mentee 6. To create an opportunity to think about things in a different way. 7. To review experience and identify objectives, identify strengths and achievements 8. Help the mentee to focus on the future, to identify what different options are open 9. Encourage the mentee to design and action plan which they have to set and encourage them to set SMART objectives. 10. To discuss about the educational and other relevant issues 11. To supporting the mentee to set achievable realistic and stretching action plans. Respective mentors resolved certain issues of the mentee regarding opportunities in carrier and accepting the challenges. The abstract and reports along with the recommendations on common problems raised by the students are submitted to the IQAC for resolution of the issues at earliest.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
437	11	1:40

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
22	11	11	Nil	8

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Dr A. K. Aney	Associate Professor	Distinguished Researcher Award
2017	Dr. B. S. Rahile	Assistant Professor	Best Poster Award
<a href="#">View File</a>			

## 2.5 – Evaluation Process and Reforms

### 2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end
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				examination
BSc	Nill	B. Sc. Semester VI	30/04/2018	26/06/2018
BSc	Nill	B. Sc. Semester V	15/10/2017	19/01/2018
BSc	Nill	B. Sc. Semester IV	30/04/2018	09/07/2018
BSc	Nill	B. Sc. Semester III	15/10/2017	01/02/2018
BSc	Nill	B. Sc. Semester II	30/04/2018	25/07/2018
BSc	Nill	B. Sc. Semester I	15/10/2017	03/01/2018
<a href="#">View File</a>				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Being affiliated with RTM Nagpur University, the institution followed the examination and evaluation pattern of the affiliating university. The institutional best practice developed regarding teaching, learning and evaluation exhibited impact on the performance of the students. The methodology named as "Pawan pattern" comprises the regular conduction of unit tests after completion of each unit, surprise tests, students' seminar, group discussion, college terminal examination, field/industry visits for experimental teaching-learning, demonstrations of practical by the teachers, conduction of test practical examination, distribution of topics for home assignments, preparation of viva questions, circulation of self-prepared notes and study material to the students. The schedules of internal examination and the assessment are communicated to the students and the faculties in the beginning of the semester through preparation of institutional academic calendar based on the university academic calendar. In order to identify slow and advanced learner, the institution also conducted performance test for the newly admitted students and the slow learners were encouraged to improve their confidence level. The examination committee framed the guidelines while reforming the CIE to student centric. The framed guidelines focused on: ? Scheduling of internal examination, seating arrangement, appointment of invigilators, setting of question papers as per university pattern, ? Attendance monitoring and time bound assessment and submission of marks to the examination committee, communication of marks to the students. ? Return of evaluated answer scripts to the students for doubt clarification and further improvement. ? Maintenance of data on unit tests in the respective departments, whereas, the records of terminal examination are kept with college examination committee. ? Discussion on results in staff council meetings and obtaining constructive suggestion for further improvement. ? Evaluation of laboratory activities on regular basis by assessment of the students through viva questions, observations after the completion of regular practical activities. ? Student's performance is used for identification of slow and advanced learner and attempts are taken to enhance the performance of slow learners by counselling ? Evaluation of the students in seminars, group discussion and home assignment

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Toward the end of the previous academic session, various committees were revised in consultation with IQAC. The Academic Calendar and the Prospectus committee was given a task for preparation of academic calendar in accordance

with academic calendar of the university. The committee used to prepare the academic calendar by taking the inputs from different departments and the action plan from IQAC. It incorporated the entire tentative schedule of internal examination and evaluation. The students were made aware by all the examination and the pattern of evaluation through the academic calendar by incorporating it into the prospectus. The students were also notified by displaying the schedule of examination on the notice board. Academic activities are always given priority and all other activities are performed without disturbing the regular teaching-learning process. The main purpose of fixing these dates in advance is to enable each departments to plan for their own programmes and various events. It also helps the students to plan their academic and co-curricular activities. The tentative examination dates were decided by the affiliating university and the college was obliged to follow these dates for examinations. The dates of the examinations of skill oriented courses are decided well in advance and displayed on the notice board. The academic calendar mainly incorporated the entire schedule of all the internal and external examinations, the meetings of governing body, parent and alumni meets, schedule of students social gathering, physical efficiency tests and other sports activities.

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

[http://sscpauni.com/pdf/Course\\_Outcomes-2015-18.pdf](http://sscpauni.com/pdf/Course_Outcomes-2015-18.pdf)

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Nil	BSc	Biology	54	34	62.96
Nil	BSc	Mathematics	51	40	78.43
Nil	BSc	Computer Science	19	17	89.47
<a href="#">View File</a>					

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

**No Data Entered/Not Applicable !!!**

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	00	Nil	0	0
Minor Projects	00	Nil	0	0

Interdisciplinary Projects	00	Nil	0	0
Industry sponsored Projects	00	Nil	0	0
Projects sponsored by the University	00	Nil	0	0
Students Research Projects (Other than compulsory by the University)	00	Nil	0	0
International Projects	00	Nil	0	0
Any Other (Specify)	00	Nil	0	0
<b>Total</b>	<b>00</b>	<b>Nil</b>	<b>0</b>	<b>0</b>

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### 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Beekeeping, Conservation and Sustainable Agriculture and Environmental Development	Zoology	19/08/2017
Disaster Management workshop	IQAC and NSS Department	25/09/2017
Workshop on Mulberry Sericulture	Zoology	23/08/2017

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Distinguished Researcher Award-2017	Dr. A.K. Aney	Vishwashanti Multipurpose Society, at International Conference on Recent trends in Science and Technology: Sustainable Development through Scientific Approach	14/07/2017	Contribution in Research
Best poster presentation	Dr. B.S. Rahile	Vishwashanti Multipurpose Society, at	14/07/2017	Research Paper Presentation

International  
Conference on  
Recent trends  
in Science and  
Technology:  
Sustainable  
Development  
through  
Scientific  
Approach at  
S.S.E.S.  
Amravati's  
Science College  
Congress Nagar,  
Nagpur

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### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	Nil

[View File](#)

## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Department of Botany	1
Department of Library and Information Science	1

### 3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mathematics	1	5.06
International	Zoology	2	5.68
International	Botany	3	5.63
International	Chemistry	6	4.50
International	Physics	1	0.23
International	Library and Information Science	3	4.48

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### 3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Mathematics	2

## 3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Use of column Ferronia elephuntum fruit shell substrate for the adsorption of Fe(II) and Mn(II) metal ion from aqueous solution.	B.D.Gharde	International Journal of Scientific Research in Science, Engineering and Technology.	2017	Nil	S.S.E.S. Amt's, Science College Pauni, Dist.- Bhandara	Nil
Scavenging of toxic metal ions from aqueous solution by using column of modified Mangifera indica tree bark substrate	B.D.Gharde	International Journal of Scientific and Research Publications	2017	Nil	S.S.E.S. Amt's, Science College Pauni, Dist.- Bhandara	Nil
Natural polymer used for adsorption of metal ions from aqueous solution	B.D.Gharde	International Journal of Scientific and Research Publications	2017	Nil	S.S.E.S. Amt's, Science College Pauni, Dist.- Bhandara.	Nil
Adsorption Studies of Co(II) from aqueous solution using Mangifera indica bark	AB Sahare, B.D.Gharde	Asian Journal of Chemistry.	2017	4	S.S.E.S. Amt's, Science College Pauni, Dist.- Bhandara	4

substrate						
Effect of physical and chemical mutagens on meiotic chromosomes in pollen mother cells (PMCs) during microsporogenesis and pollen fertility in <i>Rivinia humilis</i> L.	Aney Avinash Choudhary Arvind	International Journal of Life Science	2017	Nil	Department of Botany, Science College Pauni, Dist.-Bhandara (M.S.)	Nil
Morphomutagenic variations in leaves induced by physical and chemical mutagens in <i>Rivinia humilis</i> L.	Aney Avinash and Choudhary Arvind	International Journal of Life Science	2018	Nil	Department of Botany, Science College Pauni	Nil
Comparative analysis of nutritional value in yellow mustard seeds infected by individual test fungi.	Ghugal SI	International Journal of Life Science	2017	Nil	Department of Botany, Science College Pauni	Nil
Histological, histochemical and Biochemical Studies On the Ovary In The Beetle, <i>Cybister</i> T	K.B Nagarnaik	Review Of Research Volume - 8   Issue - 3 ISSN: 2249 894X	2018	Nil	Science College, Pauni, Dist. Bhandara, Maharashtra, India	Nil

ripunctatus Ol.(Coleoptera: Dytiscidae)						
Histochemical And Biochemical Studies On The Ovary In Thebeetle, Cybister Tripunctatus Ol	K.B Nagarnaik	International Journal of Researches in Biosciences, Agriculture and Technology	2018	Nil	S.S.E.S. Amt's, Science College Pauni, Dist.- Bhandara	Nil
Binachitype-I perfect fluid model in bimetric theory of gravitation	V. V. Lepse	International Journal of Researches in Biosciences, Agriculture and Technology	2017	Nil	S.S.E.S. Amt's, Science College Pauni, Dist.- Bhandara	Nil

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Structural properties of CuXNi1-XFe2O4 nano ferrites prepared by urea-gel microwave auto combustion method	H.S. Ahmad, N.S. Meshram, S.B. Banker, S.J. Dhoble and K.G. Rewatkar	Ferroelectrics	2017	1	3	S.S.E.S. Amt's, Science College Pauni, Dist.- Bhandara
Adsorption Studies of Co(II) from aqueous solution using Mangifera indica bark substrate.	AB Sahare B.D.Gharde	Asian J. Res. Chem.	2017	1	4	S.S.E.S. Amt's, Science College Pauni, Dist.- Bhandara

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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	2	1	Nil
Presented papers	5	9	Nil	Nil
Resource persons	1	3	Nil	Nil

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### 3.4 – Extension Activities

#### 3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Rakshabandhan Celebration	IQAC in Collaboration with Viswanshanti Prajapita Brahma Kumaris, Pauni	4	174
Karagil Shaurygatha	IQAC and NSS unit	3	150
Disaster Management	NSS unit of the college in Collaboration with 18 different collage sunder RTMNU	3	140
Wildlife Week	IQAC in collaboration with Forest Department, Gondia	4	150
NSS Residential camp, at Umari Village	NSS unit of the institute	3	55
Gram Swaacchta Abhiyan	NSS unit of the institute in collaboration with Government of Maharashtra	3	55
Blood Donation Camp	IQAC in collaboration with Rainbow Blood Bank, Nagpur.	4	100
Special NSS camp at Dholsar	NSS unit of the institute	1	30
Cyber Security	IQAC in collaboration with	4	246

	Computer Sci. department		
Beekeeping, Conservation and Sustainable Agriculture and Environmental Development	Department of Zoology	4	328
<a href="#">View File</a>			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Nil	Nil	Nil	Nil
<a href="#">View File</a>			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
International Yoga Day	Department of Physical Education in collaboration with Patanjali Yoga Centre Pauni	Yoga for Well-Being	3	115
Anniversary celebrations	IQAC	Social reforms by Annabhau Sathe	4	128
Independence Day	Department of Physical Education	Flag Hosting and Reading preamble of the constitution	2	261
World Literacy Day	IQAC and NSS unit of Institute	Literacy in a digital world	4	223
International Democracy Day	IQAC and NSS unit of Institute	Democratic structure of India	4	192
Disaster Management workshop	IQAC and NSS unit of Institute	A lecture-cum-demonstration on "Do Don'ts during and after the disaster"	4	140
Wild Life conservation Week	Department of Botany and Zoology in collaboration with Forest	Lecture on "Understanding the voiceless animals"	4	150

	Department of the MS Government			
Swacch Bharat Abhiyan (Mahatma Gandhi Birth Anniversary)	IQAC and NSS unit of Institute	Cleanliness of the Campus	5	165
Constitution Day	IQAC	Importance of the constitutional reservation	3	226
Words AIDS day	IQAC in collaboration with Rural Hospital, Pauni	Guidance on "My Health, My Right"	4	189
<a href="#">View File</a>				

### 3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research	08	Self-financed	180
<a href="#">View File</a>			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Research	Sharing of research facilities	Center for Sericulture and Biological Pest Management Research (CSBR) , RTM Nagpur University, Nagpur	01/05/2017	30/04/2018	02
Research	Sharing of research facilities	Center for Sericulture and Biological Pest Management Research (CSBR) , RTM Nagpur University,	01/05/2017	30/04/2018	02

Nagpur

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Narayana IAS Academy, Nagpur	26/02/2018	Providing guidance to the students for competitive examination	56

[View File](#)

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
222500	265126

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Existing
Seminar Halls	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Video Centre	Nil
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Others	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing

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### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Cloud Based Library Management System (CBLMS)	Partially	8.0	2012

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	3503	337312	Nil	Nil	3503
Reference Books	2650	953961	Nil	Nil	2650	953961
e-Books	Nil	Nil	Nil	Nil	Nil	Nil
Journals	1	2800	1	500	2	3300
e-Journals	Nil	Nil	Nil	Nil	Nil	Nil
Digital Database	Nil	Nil	Nil	Nil	Nil	Nil
CD & Video	11	Nil	Nil	Nil	11	Nil
Library Automation	1	35000	Nil	Nil	1	35000
Weeding (hard & soft)	Nil	Nil	Nil	Nil	Nil	Nil
Others(s pecify)	11	Nil	Nil	Nil	11	Nil
<a href="#">View File</a>						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nil	Nil	Nil	Nil
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	20	1	1	1	0	2	15	50	5
Added	0	0	0	0	0	0	0	0	0
Total	20	1	1	1	0	2	15	50	5

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

50 MBPS/ GBPS
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##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
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Nil

Nil

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
258000	283956	311000	206729

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The infrastructure of the institution has 6 classrooms with two newly constructed halls, 5 science subject laboratories, girl's common room, and separate washrooms for staff, girls and boys, meeting room, Principal's chamber, office, examination section, sports section and library. POLICY: To ensure maximum benefits of the available infrastructure, the institution has policy for maintenance and utilization of the infrastructure. Stock verification reports and the departmental requirements have been discussed in the staff council meeting before budget allocation. Prepared financial budget has been approved from management body. Cleanliness, hygiene, sanitation, water supply, electricity, security and stationary requirement are regularly monitored. PROCEDURE: The governing body discuss about the planning and financial provision for the regular maintenance and upkeep of all the infrastructural facilities. Maintenance work is carried out by the trained in-house experts as well as outsourced. Furniture and equipment are procured on regular basis. Purchasing is carried out through purchase committee. LABORATORIES: ? Logbook, stock register and laboratories are maintained by the Laboratory Attendant and monitored by HOD. New instruments are installed by the technical experts of the owner enterprises and is calibrated. Chemicals, materials are issued personally to the students by Laboratory Attendant. Stock Verification is carried out towards the end of the academic session. The students has to follow the instructions given by Head of the department in the laboratories. Laboratories are renewed during this academic year. LIBRARY: ? Bar-coding of books done. Record of issue of books to the faculties and the student is maintained in separate issue registers. New titles are added as per the requirement. Record of donation of books and other items is properly maintained. Library Advisory Committee meet at regular interval to oversee the requirement and library functioning. Library is partially automated using LIBMAN Software. Planned to initiate certificate course in Library and Information Science from the next academic year. SPORTS: ? Playground is utilized for the games and sport events and regularly cleaned by NSS volunteers and labours from outside. Sports materials, kits and the sport uniforms are regularly purchased as and when required. The students are encouraged to participate in local, district level, and university level sports competitions under guidance. CLASSROOMS AND INFRASTRUCTURE: ? Classrooms and all other infrastructure is cleaned on daily basis and collected garbage is disposed of with the help of local government. Damaged furniture are regularly replaced. Entire infrastructure is made termite and pest free with the application of pesticide. Water tanks are regularly cleaned. Fans, bulbs and electrical appliances are switched off when not needed and the campus is always maintained smoke and plastic free. New wing with two spacious classrooms, one seminar hall and physics laboratory has been constructed. COMPUTERS: ? Repairing and maintenance of computer machines, Internet, Wi-Fi, and broadband is outsourced. Only authentic and certified software are installed. For the use of computers, the students has to follow the instructions given by respective Head of the

Department. The institutional website is maintained and periodically updated by the designated faculty and website designer.

<http://sscpauni.com/pdf/Procedures-Policies.pdf>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Freeship	32	93700
Financial Support from Other Sources			
a) National	GOI Scholarship	359	1706881
b) International	Nil	Nil	0
<a href="#">View File</a>			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Yoga and Meditation	21/06/2017	92	Department of Physical Education in collaboration with NSS and Patanjali Yoga Center
Principal's Address	05/08/2017	122	IQAC
Career Counselling,	08/01/2018	120	Aakar coaching classes Pauni
Remedial coaching for Semester I students in Botany and Physics	11/01/2018	22	Dept. of Botany and Physics
Remedial coaching for Semester I students in Mathematics and zoology	18/01/2018	48	Dept. of Mathematics and Zoology
<a href="#">View File</a>			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2017	Competitive	51	Nil	Nil	Nil

	<b>Examination</b>				
2017	<b>Career Counselling</b>	<b>Nil</b>	<b>66</b>	<b>Nil</b>	<b>1</b>
<a href="#">View File</a>					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
3	3	7

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Satpura Women Silk Producer Company, Ltd, Padhar, Baitul	40	1	Nil	Nil	Nil
<a href="#">View File</a>					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2017	4	b.Sc. (PCM)	Physics	PGTD of Physics, RTM Nagpur University, Nagpur	M. Sc. in Physics
2017	1	B. Sc. (C/S)	Computer Science	Kamla Nehru College, Nagpur	M.Sc. in Computer Science
2017	3	B.Sc. (PCM)	Mathematics	Government Institute of Science, Nagpur	M.Sc. in Statistics
2017	1	B.Sc. (CBZ)	Botany	PGTD of Botany, RTM Nagpur University, Nagpur	M.Sc. in Botany
<a href="#">View File</a>					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	Nil
SET	1
SLET	Nil
GATE	Nil
GMAT	Nil
CAT	Nil
GRE	Nil
TOFEL	Nil
Civil Services	Nil
Any Other	Nil
<a href="#">View File</a>	

#### 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Question quiz	Institutional	Nil
Antakshari	Institutional	Nil
Drama competition	Institutional	Nil
Dance competition	Institutional	Nil
Elocution competition	Institutional	Nil
Debate competition	Institutional	Nil
Singing competition	Institutional	Nil
Poster presentation	Institutional	Nil
Flower presentation	Institutional	Nil
Rangoli competition	Institutional	Nil
<a href="#">View File</a>		

### 5.3 – Student Participation and Activities

#### 5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	State level participation in Pre-Republic day Parade	National	Nil	Nil	49925599 1308	Mr. Dnyaneshwar Atram
<a href="#">View File</a>						

#### 5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students Council has been constituted for the academic year 2017-2018 as per the notification received from RTM Nagpur University, Nagpur under section 76 of the Maharashtra Public University Act-2016 (Mah. Act No.VI of 2017). Entire

schedule of the election procedure has been followed for the constitution of the Students Council. The Student Council aimed at providing the sound platform for the development of leadership qualities and resolving the issues of the students through interaction with the administration. It also provides opportunity for resolving the issues of the students. The institution has active Student Council and the students have been nominated in different academic and co-curricular activities. The Student Council expected to perform the undermentioned functions: Functions of Students Council: 1. To listen and to solve the problem of students by communicating with Principal, 2. To take initiatives in organization and participation in various cultural and sports activities 3. To help administration in maintaining discipline and maintaining the college campus clean and green 4. Participation in extension activities like Voters Awareness Programme, Plantation, Swacch Bharat Abhiyan, Blood donation, Rallies on various occasions, Yoga day, Wild Life week, Welcome and Farewell functions, celebrations of birth and death anniversaries of the social and national heroes. 5. To organize study tours and visits to the industries 6. To help in organization of the one day and residential NSS camps. 7. To provide constructive suggestions to the Principal and the management for overall development in academic, infrastructural, library and administrative set-up 8. To assist the teaching faculties in organization and execution of various student oriented activities. Student's representation in committees: ? Local Management Committee (LMC) ? Academic and Administrative Committee ? Cultural Committee ? Games and Sports Committee ? Campus Development Committee ? Public Relation and Publication Committee ? Study Tour Committee ? NSS Committee ? Botanical Garden Committee ? College Magazine Committee ? Anti-ragging Committee ? Grievance Redressal Cell. Activities of the students during the academic year-2017-2018: Academic activities: The members of the student's council has communicated with the teachers and the administrative staff for the resolution of the problems of students associated with academic and other issues. Students have played active role in planning, organization and execution of various activities. They also help in coordinating the day to day academic activities at their level. Cultural Activities: Actively participated in organization of various cultural events throughout the year. They have taken initiatives for organization of social gathering. NSS Activities: Students have actively participated in plantation programme, exhibition, and One-day camp for cleaning the campus, Swacch Bharat Abhiyan, blood donation camp as well as the 7 days residential camp at Umri. Games and Sports Activities: The student's council have taken initiative in organized of various games and sports events and also participated in various activities. Co-Curricular Activities: Students have organized Teachers' day, Raksha -bandhan, Wild Life Week, AIDS and Biodiversity awareness programmes, Welcome and farewell functions, World Women Day, Constitution day, Birth anniversaries of national heroes.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

136

5.4.3 – Alumni contribution during the year (in Rupees) :

249000

5.4.4 – Meetings/activities organized by Alumni Association :

Science College Pauni has informal alumni association and the meeting of alumni

association is called every year on the eve of Birth anniversary program of Dr. Panjabrao Alias Bhausahab Deshmukh, Founder President of our parent organization. However, due to the semester examination the alumni meet was organized on 13th January, 2018 Event: Alumni Meet-2018 Date: 13th January, 2018 Objective: Alumni meet was called on 13th January, 2018. Aimed at facilitating, consolidation and coordination of the alumni activities. It was planned to reconstitute the association and to obtain the feedback.

Participation: Executive body and other 46 alumni were present Agenda: ? Confirmation of the proceeding of previous meeting ? Discussion with Alumni ? Donation and fund raising ? Approval of the donation by the alumni ? To plan and design association services for the students ? Vote of thanks Outcomes: The alumni and the staff of the institution have positive interaction regarding the upcoming issues and the overall development of the institution. Alumni assured to help the institution in the way they could. Proceedings: 1. Inauguration: The meet was inaugurated by the Principal and the President of the association in presence of staff of the college. 2. Welcome note: Alumni were welcomed by floral bouquet and the objectives of the meeting was explained by IQAC coordinator. 3. Confirmation of the minutes of previous meeting: Secretary read the proceeding of previous meeting was confirmed without any objection. 4. Approval of the donation received during the academic year: The sum of Rs. 2,49000/- received from the alumni in cash and items have been approved and the donor alumni were appreciated for their generosity. The alumni donated ceiling fans and the stage material of sum of Rs. 39000/- whereas the donation in cash amounts for Rs. 2,10000/- 5. Generation of funds: It was also discussed to raise the funds through various activities and also to render services to the students of the institution. 6. Constitution of the executive body: The executive body has been reconstituted from among the alumni present. All the members have suggested the names of alumni for the different portfolio in order to constitute the new executive body. Executive Body: • President : Mr. Satish Lepse • Vice-President : Mr. Anil Kalbande • Vice-President : Mr. Vishal Ingole • Secretary : Mr. Manoj Warambhe • Treasurer : Mr. Sandip Samarth • Members : Ms. Kalpana Bramhankar : Ms. Monali Meshram : Mr. Mukesh Bawankar : Mr. Shankar Bhiogade : Ms. Rajani Telmasare : Mr. Nishant Wahane 7. Floral welcome of the new office bearer: After declaration of the names of new executive members they were welcomed by the Principal and IQAC coordinator. 8. Vote of thanks: Vote of thanks was proposed by newly nominated secretary and the meet was concluded with the National Anthem. It was followed by the lunch offered by the institution.

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

In order to have an efficient decentralization system, the institution followed the mechanism for delegating responsibilities and the authority to various functionaries. The strategies design and developed by the Executive Body of the parent organization, based on the vision and mission encompasses the future developmental plans. It has been mandatory for all the institutions to follow and execute the policy decision. 1. Strategic planning at the institutional level was done by discussing various aspects in the staff council meeting. The IQAC has set the short term and long term goals and prepared the perspective action plan by incorporating the academic and co-curricular as well as outreach activities. In order to have a participatory system the institution has taken the inputs from different sections of the college. The planning of academic activities were solely handed over to the teaching faculties. The prepared plan has been kept on the table before the College Development Committee for any constructive suggestions and the final approval. The IQAC has been authorized

to organize the activities leading to the development of the college. In the beginning of the academic session, different committees have been formulated to decentralize the work and smooth functioning of all the matter. In all important matters pertaining to day to day functioning as well as long run development, the teaching, non-teaching staff, and the students council are always taken into confidence. The departments are allowed to plan for student's seminar, group discussions, outreach programmes, exhibitions, excursions and study tours. 2. Matters pertaining to finances are discussed in the staff council and the purchasing has been carried out through purchase committee following the standard procedure. Purchase committee deals with the purchase of capital equipment, chemicals, apparatus, furniture, infrastructure augmentation, books and all other matters 3. The institution always trust and promote the culture of participatory management by involving the staff and students in various academic, co-curricular and administrative activities. The students were nominated in different committees for their inputs and view which were always taken into consideration. The IQAC has the representation of teaching staff, non-teaching staff, executive body of the parent organization, alumni, students, administration, representations from the society, industries etc. Alumni, student member and the members of the student's council are provided the opportunity to place their views in IQAC meetings. The opinions of the staff members, students are always taken in consideration in defining the policies, framing guidelines and rules regulations pertaining to admission, discipline, grievance redressal, organization of various activities and the library services. For the smooth and proper functioning of the institution, a college runs on decentralized management operative practices, wherein various committees are constituted every year. Along with IQAC, the institution constituted various committees such as Staff Council, Admission Committee, Campus Development Committee, Anti-ragging Committee, Alumni Committee, Student's Council Committee, Campus Development Committee, Grievance Redressal Committee, Prospectus and Academic Calendar Committee, Library Advisory Committee, etc.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	<p>The Admission Committee was reconstituted in the last meeting of staff council during the previous academic year. Prospectus have been prepared well in advance with the inclusion of relevant information. The admission committee discussed and finalized the fee structure and rules and regulations as per the guidelines of the affiliating university. Displayed the banner of admission open and also published in the local newspaper. Transparent admission process was followed with the display of entire admission schedule on the notice board. Reservation policies of the government has been strictly followed and the admission was given on merit basis through display of merit</p>

	lists.
Industry Interaction / Collaboration	<p>Collaboration with institutions of repute help enhancing the quality of an institution. The institution has least scope of developing linkages with industries, however, we have strong linkages with KVIC that helped us to distribute 420 honeybee hives, worth Rs. 176000/-, to the farmers of Vidarbha region, under the Honey Mission Program which was presided over by Hon'ble Vinay Kumar Saxena, Chairman, KVIC, Government of India. The institution also has linkages with Satpuda Woman Silk Producer Company Padhar Dist. Baitul (MP) for guidance and placement. Collaborative work yielded with organization of workshop on 'Mulberry Sericulture'. Research student have been registered at recognized laboratories of RTM Nagpur University Nagpur.</p>
Human Resource Management	<p>Faculty recruitment is strictly in accordance with the rules and regulations prescribed by the UGC and state government directives. Recruitment process is systematic, highly rigorous and absolutely transparent. In order to avoid the academic loss of the students, eligible candidates were appointed on CHB since the state government have imposed the ban on recruitment process. The permanent and all the CHB teachers were assigned different works based on their capabilities. Regular teachers have been placed in various committees for the collection and compilation of the data with respect to NAAC. The institution were allowed to organize and participate in the academic activities.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>Available ICT tools are frequently used for effective teaching-learning process by most of the faculties. Departments are provided with computer machines, printers and connected with internet. ICT enabled tools are linked with two classrooms. All the books in the library are bar-coded and initiated the computation of the library data. Subscribed research journals of different subjects with the recommendation of faculties. Construction of two storied new wing having seminar hall, classrooms and physics laboratory has been completed.</p>

Laboratory of Botany and Chemistry have been shifted to renovated spacious laboratories. Computer science laboratory has been modified.

Research and Development

The institution has no PG courses and recognized laboratories for carrying the research work. Till then almost 98 of the faculties have obtained their Ph.D. degree while in service. Four of the faculties members have been recognized research supervisors and three research scholars are working under their supervision. All the teaching faculties are actively engaged in publication of research work in the journals of repute. The institution has collaborations with the reputed laboratories for research purpose. Institution also promoting research by granting study leaves and procuring sophisticated instruments in the laboratories.

Examination and Evaluation

The institution aimed to impart integral education of good quality, sound learning and inculcation of moral and ethical values through participatory and experimental learning process. The institution has its own teaching-learning pattern which incorporates the conduct of internal examinations viz. unit tests and the terminal examination, and the timely evaluation. IQAC asked all the faculties to conduct the unit tests examination after the completion of each unit as well as student's seminar and providing the assignments. Answer sheets and the assignments were timely evaluated and returned to the students with specific remarks for improving the writing skills. Record of all the internal examination has been maintained by the examination committee.

Curriculum Development

Curriculum development is outside the purview of the institution, being affiliated to RTM Nagpur University, The affiliating university is authorized to develop the curriculum, and communicated to all the affiliating institution for uniform implementation. However, the elected or nominated faculty members are putting the valid suggestions in the BOS of the respective subjects. The faculty members are actively participating in discussion on review of curriculum.

	<p>However, the committee of the subject teachers have prepared the course content and design the curriculum for the skill oriented courses started in the institution. Dr. A.K. Aney, as an elected member in BOS in Botany has worked as member of syllabus review committee.</p>
Teaching and Learning	<p>The institution believes in interactive, participative and experimental teaching and learning-process. The faculties have been using modern tools in the classrooms, and also organized student's seminar and group discussion, field visits that not only economize the time but also made it very effective and impactful. The institution focus on student to identify, discuss and consider changes in their understandings, skills, attitudes and values. IQAC directed to the concerned committee to organize study tours and industry visits. Constructive suggestion from the students and the parents obtained through the feedback have helped to improve the teaching-learning process and removal of the loopholes.</p>

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	<p>Considering the need and scope, the IQAC in its meeting discussed about the priorities and prepared the plan of action. We planned for the strengthening of outreach activities under the concept of Bee for Farmers. The institution has planned for the infrastructure augmentation and initiation of skill based short term courses for the students. The IQAC has developed the charter for staffs and the students. All the certificates and documents are provided to the students as well as staff as per the schedule in the charters. Collection and analysis of the feedback forms obtained from different stakeholders, submission of the abstract of the attendance, progress report and performance of the students, stock verification, submission of API-PBAS formats, Confidential reports and other works is done towards the end of the academic session.</p>
Administration	<p>The institution is working in rural areas and tries to cope up with the</p>

technology available at source. E-governance is partially followed by the institution for dissemination of information to UGC, AICTE, state government and other offices and also to the parent organization. The speedy transfer of information to the students and the staff has been continued through the Whatsapp group created. Inter-communication of information is done through the mail IDs of the faculty members. Registration, admission, student information, time tables, library services, accounting including salary and expenses is transmitted through online mode. Administrative documents are communicated to the parent organization. Training programmes were organized for the office staff for use of internet and the other technological aids.

Finance and Accounts

Financial management is supported by the institution strategic plan to achieve the vision and mission of the institution and are maintained by the institution. The institution receives only salary grants from the government. The institution maintains separate accounts for the funds received from different sources as tuition fees, donations from alumni and philanthropists, development funds, registration fees, fines and penalties, UGC schemes, corpus funds, grants for NSS etc. Collected amount is deposited in the respective bank accounts on daily basis. Financial budget is kept before Local Management Committee for approval. The received funds are utilized for the development of the institution. Auditing is done by Chartered Accountant Company at Nagpur.

Student Admission and Support

The prospectus committee prepared the updated prospectus containing all details and published well in advance. The prospectus contained all the relevant information regarding the courses available, fee structure, scholarships, tentative schedule of both internal and external examination and the rules and regulation. Admission procedure was followed as per the university schedule that was displayed on the notice board. Admission procedure was strictly kept transparent with the implementation of reservation

policies of the state government. Admissions were strictly on merit basis with the display of general merit list and first and second waiting lists. Students were made aware about all scholarship schemes and guided for proper filling of the admission and other application forms by admission committee. Students were given the receipt of the amount paid.

**Examination**

The institution has separate examination section which is looking all the matter related with the examination. The examination section equipped with IT tools, multifunctional Xerox machine, printer and internet facility. E-governance practices are used in examination section for the purpose of uploading information for enrolment of students, examination forms, internal assessment marks, practical marks, downloading examination schedule, admit cards, question papers for theory examination, etc. The examination section maintains the record of all the university and college level terminal examinations. E-governance is also used for examination related grievances and submission of the information to the university.

**6.3 – Faculty Empowerment Strategies**

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	Nil	Nil	Nil	Nil
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	Workshop on Cyber Security	Workshop on Cyber Security	13/07/2017	13/07/2017	9	8
2017	Nil	Workshop on	01/08/2017	01/08/2017	Nil	8

		software and hardware				
2018	One day Training on Teaching Skill	Nil	06/03/2018	06/03/2018	10	Nil
2018	Nil	General Awareness Program on online documentation	21/03/2018	21/03/2018	Nil	8
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Short Term in Research Methodology	2	28/08/2017	02/09/2017	06
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	Nil	Nil	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> <li>• Provident Funds</li> <li>• Insurance</li> <li>• Group Insurance</li> <li>• Medi-claim Insurance</li> <li>• DCPS</li> <li>• Gratuity</li> <li>• Study leave</li> <li>• Average Pay Leave</li> <li>• Full paid Maternity leave for ladies staff</li> <li>• Salary timely credited to bank account</li> <li>• Medical leave encashment</li> <li>• Festive advance</li> <li>• Fee concession for wards</li> <li>• TA/DA to staff members for office and academic work</li> <li>• Fund allocation for field studies and excursion tours</li> </ul>	<ul style="list-style-type: none"> <li>• Provident Funds</li> <li>• Insurance</li> <li>• Group Insurance</li> <li>• Medi-claim Insurance</li> <li>• DCPS</li> <li>• Gratuity</li> <li>• Full paid Maternity leaves for ladies staff</li> <li>• Salary timely credited to bank account</li> <li>• Medical leave encashment</li> <li>• Festive advance</li> <li>• Fee concession for wards</li> <li>• Encashment of the earn leaves</li> <li>• TA/DA to staff members for office and academic work</li> </ul>	<ul style="list-style-type: none"> <li>• Insurance</li> <li>• Government of India Scholarship</li> <li>• Fee waiver</li> <li>• Free ship</li> <li>• Earn and learn</li> <li>• Book bank</li> <li>• Provision of issue multiple books at the time of examination</li> <li>• Xerox facility</li> <li>• Printing facility</li> <li>• Scholarship form filling</li> <li>• Online examination form filling</li> <li>• Financial assistance to poor and needy students</li> <li>• Monthly Bus Travels Pass</li> </ul>

## 6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

**Financial management:** Financial management and resource mobilization is monitored by the institution and by parent organization. The strategic plans of the institution are supported by the finances received from different sources. It also help us to achieve the goals defined in the vision and mission of the institution. Being state government funded, the institution received salary grants from the state government. The institution also received funds from sources like tuition fees of enrolled students, donation from alumni and anthropologists, parent organization, development funds, registration fees, fines and penalties, UGC schemes, corpus funds, grants for NSS, consultancy, interest on deposits, and other miscellaneous resources. The financial budget prepared in the beginning of the academic session is kept before College Development Committee (CDC) for approval. At the end of each financial year the institution undertake internal audit of all accounts. The finances and external audit is carried out by Solo and Company, Nagpur, hired to maintain the finances and the audit. Audit of salary grants is carried out by Joint Director of the region, and the entire audit is also carried by the account section of the parent organization. Finalized audit report is placed before the executive body of the parent organization at the meeting of Local Management Committee and the objections raised are taken care of and compliance report is submitted.

**Resource mobilization:** The resource mobilization policy seeks to guide the institution's efforts towards building strong finance to provide sound base for the programmes undertaken. Broadly the resources are utilized for various purposes like administrative, academic, infrastructure development and maintenance and other miscellaneous activities. To ensure proper and optimum use of the resources a strict budgetary control on expenditure is exercised. The prepared budget is kept before the executive body of the parent organization through Local Management Committee and get approved with modifications. Non-salary grants and the other funds are used for administrative and academic as well as for infrastructure development and maintenance.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Individuals and Philanthropists	249000	Donation and purchase of items
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

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## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Null	Yes	IQAC
Administrative	No	Null	Yes	IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

- Parents of the students were invited at the time of Principal's address at the beginning of the academic session
- Constituted Parent-Teachers Forum (PTF).
- The constructive suggestions from the parents were considered.
- Started three skill based short term courses with affordable fee structure
-

Initiative taken to inform the parents about the performance of their wards on regular basis.

6.5.3 – Development programmes for support staff (at least three)

- IQAC in collaboration with the Department of Computer Science has arranged the training programme for both teaching and non-teaching staff
- Organized one day workshops for teaching and non-teaching staff on cyber security, software and hardware and awareness programme on online documentation.
- Department of Zoology organized training workshop on bee keeping practices
- Tea club continued

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. IQAC prepared the charter for both students and the staff
2. Strengthened the outreach activities for farmers and the students
3. Subscription of journals and enhancement in library facilities
4. Enhancement in research publications
5. Transformation of information through Whatsapp groups continued.
6. Collection and analysis of feedback from employer, alumni, students and parents
7. Student's project activity at undergraduate level continued
8. Restructuring of various committees
9. Regular submission of API-PBAS forms from all the faculty members

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2017	One day workshop on "Yoga"	21/06/2017	21/06/2017	21/06/2017	270
2017	Tree plantation programme	15/08/2017	15/08/2017	15/08/2017	93
2017	One day seminar on the eve of 'World honey bee day'	19/08/2017	19/08/2017	19/08/2017	328
2017	Field visit at Satpuda Women Silk Pvt. Ltd. Co., Padher, Baitul	18/09/2017	18/09/2017	19/09/2017	20
2017	University level workshop on "Disaster Management"	25/09/2017	25/09/2017	25/09/2017	140

2017	One day workshop on patriotism "Kargil Souryagatha"	25/09/2017	25/09/2017	25/09/2017	250
2017	One day NSS camp	25/09/2017	25/09/2017	25/09/2017	120
2017	Organized awareness activities on "Wildlife conservation " at Sawarla village, during wildlife week	02/10/2017	02/10/2017	02/10/2017	50
2017	Distribution of bee hives to farmers	17/12/2017	17/12/2017	17/12/2017	440
2017	Workshop on Mulberry Sericulture	23/08/2017	23/08/2017	23/08/2017	95
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Rakshabandhan Celebration	07/08/2017	07/08/2017	130	44
Karate training for girls students	09/09/2017	09/09/2017	112	Nil
World Aids Day	01/12/2017	01/12/2017	122	67
Savitribai Phule Birth Anniversary	04/01/2018	04/01/2018	83	58
Women empowerment	20/01/2018	20/01/2018	138	73
Seminar on gender sensitization	10/02/2018	10/02/2018	129	67
Cyber Security (Cyber Crimes Related	27/02/2018	27/02/2018	126	74

to Women)				
Seminar on International Women Day	08/03/2018	08/03/2018	135	71

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
The institution is yet not using the renewable energy sources but plan to have the installation of solar panel. However, every attempt has been made to minimize the consumption of electrical energy by replacement of the bulbs and tube lights with LED lights in classrooms, library and administrative block of the college. Unnecessary consumption of electric power has been minimized by strictly following the instructions of switching off the lights and fans in the classrooms by staff and the students. The electrical appliances and the computer machines were timely switched off. IQAC in collaboration with Department of Botany, at the onset of the monsoon planted ornamental and other plants in the college premises. The staff and students of the college are involved in plantation drive and numbers of plants have been planted inside and outside the college premises in collaboration with forest department of government of Maharashtra. Initiative taken by IQAC towards the paperless work by transferring most of the information and notices through Whatsapp groups

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	No	Nil
Ramp/Rails	No	Nil
Braille Software/facilities	No	Nil
Rest Rooms	Yes	1
Scribes for examination	Yes	2
Special skill development for differently abled students	No	Nil
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2017	1	1	19/08/2017	01	Sustainable agriculture through Beekeeping	Beekeeping and Environmental Conservation	328

2017	Nill	1	28/09/2017	01	Disaster Management	Demonstration on saving life during disaster	140
2017	1	1	17/12/2017	01	Honey Mission	Advantages of beekeeping and distribution of 200 honeybee hives	323
2018	Nill	1	27/02/2018	01	Cyber Security	Protection from cyber crime	200
2018	Nill	1	03/01/2018	03	Gram Swachchhata Abhiyan	Benefits of Personal and community hygiene	118
2017	Nill	1	22/10/2017	01	Wildlife Conservation	Importance of wildlife	65
2017	Nill	1	01/10/2017	07	Wildlife Week	Save animals save earth	159
2018	Nill	1	07/01/2018	01	Blood Donation Camp	Collection of blood	36
2018	1	1	08/01/2018	01	Pados Yuva Sansad	Contribution of youths in society	148
2018	Nill	1	26/02/2018	01	Career Guidance Camp	Career opportunities	126

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Handbook of Professional ethics and Code of Conduct	Nill	Planned to publish the handbook on Professional Ethics and Code of Conduct for staff and the students. Code of conduct for maintaining

disciplines for students have been incorporated in the updated prospectus.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day	21/06/2017	21/06/2017	115
Annabhau Sathe Birth Anniversary	01/08/2017	01/08/2017	128
World Literacy Day	08/09/2017	08/09/2017	223
International Democracy Day	15/09/2017	15/09/2017	192
Disaster Management Workshop	28/09/2017	28/09/2017	140
Wildlife Week	01/10/2017	07/10/2017	159
Swachhha Bharat Abhiyan (Gandhi Birth Anniversary)	02/10/2017	02/10/2017	165
Constitution Day	27/11/2017	27/11/2017	62
World Aids Day	01/12/2017	01/12/2017	189
Blood Donation Camp	07/01/2018	07/01/2018	36

[View File](#)

#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Promotion for use of bicycles
2. Tree plantation in collaboration with government of Maharashtra
3. Strict ban on plastic use
4. Organized cleanliness drive under Swachh Bharat Abhiyan
5. Staff and students actively participated in the awareness rally organized during Wildlife Week
6. Vermicomposting activities
7. Provision of dustbins at various vantage points of the campus

## 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

**Best Practice-1**

1. Title of the practice: 'PAWAN PATTERN' (Teaching-Learning and Evaluation Methodology)
2. Objective of the Practice: To provide a healthy environment and a platform to the students of the rural area for the enhancement in performance by continuous internal evaluation.
3. The Context: The institution focused on overall development of the personality of the students through participatory and experimental learning by monitoring their academic performance and promoting them to participate in co-curricular and other activities.
4. The Practice: The students are admitted strictly on merit basis. All the students were made aware, at the time of Principal's address, about the rules and regulations, course content, scope of the courses taught and different types of facilities available in the institution. Academic

calendar containing detailed information regarding the course content and examination pattern as well as tentative schedule of the internal and external examinations has been incorporated in the prospectus. The syllabus and self-prepared study materials in either hard or soft copies are provided to the students in the beginning of the session by individual teachers. The college follows the continuous monitoring system (CMS) to check the academic development of students. The students are provided with the question bank and unit tests have been performed after completion of every unit. Sometimes surprise test have been organized by individual teachers. In order to identify the slow and advanced learner, performance test have been conducted for the newly admitted students, based on the curriculum of qualifying examination.

Slow learners were given more time by individual teachers to solve their problems. Topics from the subject syllabus have been distributed for home assignments and the student's seminars, which were monitored and evaluated. Students were also asked to write and submit the answers of the questions asked in the previous university examinations. The submitted assignments and the unit tests are returned to students after evaluation with specific remarks for improving the writing skill. Group discussion has also been organized by individual departments on different topics of syllabus like applicability of the individual subject in day to day life. Groups of students have been formed and a limited time period has been given to each group for discussion on allotted topic. After the end of discussion every group leader presents the summary of their discussion before teachers and appreciated by teachers with endorsement and comments on the topic. Attempt have been taken to complete major part of the syllabus before final examination and the college terminal examination on the entire syllabus has been organized. 5. Evidence of Success:

We focused on participatory and experimental teaching-learning methodology. The students were encouraged for active participation in academic and co-curricular activities organized by college. Extra practice session is organized for the students with poor performance. Initially, the average students are getting admitted in the first year, however, the teaching-learning methodology and the efforts of the faculty members have proved helpful in improving the academic performance of the students in the university examination which is evident from following table: College Topper Students in Final Year (2017-18):

Sr. No.	Name of Students	Year	Group	Distinction	Percentage
1.	Ku. Shital S. Selokar	S-2018	CBZ	CBZ	76.74
2.	Ku. Priyanka R. Jibhakate	S-2018	PCM	PCM	75.81
3.	Ku. Pranali P. Dahiwale	S-2018	CBZ	--	69.37
4.	Ku. Vaishali P. Gaidhane	S-2018	CBZ	--	66.22
5.	Ku. Mrunali D. Vaidya	S-2018	CBZ	--	65.03
6.	Ku. Prachi P. Futane	S-2018	CBZ	--	63.25
7.	Ku. Karishma S. Rokade	S-2018	PCM	--	62.00
8.	Ku. Roshani D. Motghare	S-2018	PCM	--	61.37
9.	Ku. Manusha V. Banarase	S-2018	PCM	--	61.00
10.	Mr. Nepal J. Nakhate	S-2018	PCM	--	60.14

6. Problem Encountered and Resources Required: It has been observed that most of the students of college from rural area are finding English as a language barrier. Most of the students are from economically poor section and hence could not afford the paid education with huge fee structure.

7. Notes (Optional): The academic activities engaged by the college are much useful for the students for the improvements of their academic record. Therefore a platform is required to develop the talent of the students of the region. Best Practice-2

1. Title of the Practice: 'BEE WITH THE FARMERS'  
2. Objective of the Practice: 1. To utilize rich local agricultural and forest bio-resources. 2. To enhance the agricultural production by providing pollination services by beekeeping. 3. To enhance the employability of rural youth and farmers. 3. The Context: The region has rich natural resources like water resources in the form of river and lakes, huge and dense forest area, fertile soil, varied agricultural crop pattern. However, per unit area agricultural productivity is very low as compared to national average. The farmers and tribal youth of this region are facing the problem in terms of employment opportunities, low economic income which leads to migration towards urban area. Due to rapid industrialization, indiscriminate use of pesticides,

monoculture and deforestation, pollination agents viz. insects in general and bees in specific have been declined significantly that consequently resulted in lowering the yield in several crops specifically oil seeds, pulses, horticultural and vegetable fruit crops. With frequent visits and the interactions with the farmers of the area, the faculties from department of Zoology and Botany have emphasized on the beneficial aspects of bee keeping. It was also observed that abundantly available unused pollen and nectar resources which are the food of bees can be converted to value added products like honey, wax, pollen and propolis. The local region has potential for beekeeping that again could be tool to reduce un-employability in local region. The knowledge which could be confined in the walls of classroom could be utilized for welfare of society. By considering these facts an effort was taken by department of Zoology to aware the masses about potentials of beekeeping and the activity was named as "BEE WITH FARMERS" 4. The Practices: The activity started has strengthened during the last two years with the awareness and extension of beekeeping program by organizing training workshops and the seminars in collaboration with different agencies from Bhandara district and other national agencies. 1) Organization of Seminars: Organized seminar on 'Beekeeping, conservation and sustainable agriculture and environmental development' to make aware the masses including farmers, rural youths and even academicians and teachers regarding the potential of beekeeping and poverty eradication at various villages. 2) Assistance for Beekeeping: The technical assistance was provided by college teachers for beekeeping at the farm. Skillful guidance was provided to the farmers regarding handling, maintenance of bee colonies, harvesting of honey etc. 5. Evidence of Success: Number of farmers and rural youth started beekeeping at their village and farms and witnessed the enhanced production in different crops especially in oilseeds, pulses, horticultural fruit crops, vegetable crops. Some of the farmers have started beekeeping and developed a skill to raise the honey bee colonies and selling these colonies to other farmers. Academicians and college teachers have also been invited for the seminars. We provide the expertise for training on beekeeping. KVIC have also helped the institution at the financial level and also by providing skilled resource persons. The practice of beekeeping have been extended to the other institutions of the region. The institution has distributed 420 bee hives to the farmers sponsored by KVIC by the hands of Hon'ble Vinay Kumar Saxena, Chairman, KVIC, Government of India. 6. Problem Encountered and Resources Required: Some farmers wish to start beekeeping but due to lack of financial sources they could not adopt beekeeping at their farm. Social and educational backwardness is also another hurdle to adopt beekeeping farmers are not willing to transform themselves for new technology. 7. Important to Note (Optional): Two research scholars are also working for Ph.D. degree under the supervision of the faculties from Botany and Zoology. Khadi and Village Industries Commission (KVIC) helped the institution for making the project fruitful. Department of zoology is involved in following activities regarding the 'Bees with Farmers' 1) Assistance for Beekeeping 2) Interaction with farmers 3) Procuring financial assistance from NGO and government organization 4) Providing colonies of bee to the farmers 5) Sharing the useful outcome of the results obtained through experimentation One seminar has been organized for the local community during the year 2017-18. Table: Different Bee-keeping/ Training Programs Organized by Institution (2017-18)

Year	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	19/08/2017	1 Day	Beekeeping conservation and sustainable agriculture and environmental development	Farmers	328

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://sscpauni.com/pdf/Best-Practices-2017-2018.pdf>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Pauni is rural place where most of the families of this region belong to low income group that cannot afford the coastally education for their children. There was no facility of science steam education in the nearby area before 1988 and hence, the parent organization taken an initiative for the inception of college with science stream education in 1988-89. The institution is providing science stream education to the students at affordable fee structure. Initially, the institution run only two science courses i.e. B.Sc. in Biology and B.Sc. in Mathematics. Thereafter, considering the demand and scope, we have started B.Sc. in Computer Science. The institution started providing education in the rented building with merger strength of students, however, during the course of time, the institution has acquired the land and in the pollution free zone and now is having its, own two storied building with spacious laboratories, classrooms and the administrative block. While working on the path of providing quality education and the sincere as well as team efforts have resulted in getting name and fame to the institution. Year after year we are witnessing the qualitative and quantitative growth of the institution in terms of enhancement in the number of students and the meritorious achievements of the students in the university examinations. The students of the institution not only produced toppers in both Bhandara and Gondia district but also have secured meritorious positions in the university examinations and have won the medals in different subjects. The intuition is having admission of average students but the well-planned teaching-learning methodology devised and continuous monitoring have resulted in the exponential growth in the performance of the students. The institution provides all sorts of facilities to the students with respect to safety, security and affordable fee structure that resulted in remarkably increase in girl students that counts more than 75 every year. The practices performed by the institution generated trust and created conducive environment for study. Regular monitoring system has been developed by the institution for monitoring progress of the students. Following the vision of Dr. Panjabrao Deshmukh, Founder President, Shri Shivaji Education Society, Amravati, institution is continuously working for farmers and the youth. Department of Zoology is engaged in training and assistance to the farmers on bee keeping and sericulture making it as a mass movement. The institution has N.S.S. unit of 100 volunteers which every year organizes the residential camps. The staff members are generous in helping out the poor students for their higher studies. The institution organizes various programs on national integrity, human values and various society oriented activities. The institution trust in participatory and experimental learning and hence every year the students are taken to for field visit or visit to the industries/laboratories. The students are also involved in organization of various academic and co-curricular activities. Though, the institution is providing only the science stream education at degree level, it has earned the reputation due to the quality education provided to the students.

Provide the weblink of the institution

<http://sscpauni.com/>

### 8.Future Plans of Actions for Next Academic Year

Following is the perspective action plan discussed and approved for the next academic session 2018-2019, in the IQAC meeting held on 23rd April, 2018. ? IQAC:

- Reconstitution of IQAC
- Submission of proposals for short term skill based certificate courses
- Collection and compilation of data for the preparation of AQAR and SSR
- Organization of workshops on framework of NAAC for assessment and

accreditation • Yearly submission of data to All India Survey on Higher Education (AISHE) • Strengthening and continuation of Mentor-Mentee system • Organization of social gathering of the students • Organization of guest lectures • Organization of training workshops for non-teaching staff • Strengthening and restructuring alumni association • Organization of Alumni Meet • Collection and analysis of feedback from students, alumni, parents and employer ? Renovation and up-gradation of infrastructure facilities: • Extension and renovation of the existing laboratories • Increase number of working tables in laboratories • Rebuilding of drainage system • Fencing of the campus • Extension and renovation of administrative block ? Library enrichment: • Purchase of additional titles of Text and Reference Books • Subscription of journals • Procurement and installation of library software • Availability of reprographic facility in the library for students • Internet facility for students ? Fund generation: • Generation of funds from Alumni • Procurement of other support services from Alumni • Funds to be raised from philanthropists • Generation of funds from various funding agencies for outreach activities ? Academic improvement: • Strengthening of "Pawan Pattern" for the further improvement in results • Organization of student's classroom seminars • Conduct of the regular unit tests • Organization of college terminal examination • Increase in number of publication in books and research articles • Submission of proposals for research projects to different funding agencies • Organization of subject related quiz, poster and other competitions • Organization of guest lectures by inviting experts from other institutions • Participation of students in various academic activities • Organization of group discussions on the topics related to the subjects • Extension of research activities under the guidance of registered supervisor • Collaboration with industries/academia and reputed laboratories ? Teaching-learning process: • Teaching-learning process to be made more effective by incorporating modern tools • Conducting extra classes for early completion of syllabus • Motivation to the faculty for the preparation and use of PPTs • Organization of student's seminars • Participation of students in academic activities • Organization of tours to different industries, institutions and other reputed laboratories • Conduct the field survey with the help of students ? Outreach and community oriented activities: • Organization of blood donation camps • Extension and strengthening of community oriented activities by organizing NSS camps for cleanliness of the campus and the selected village • Organization of Tree plantation programme in collaboration with local community and other organizations • Organization of survey of five selected villages under the Central Government Scheme, Unnat Bharat Abhiyan-2. • Organization of national level seminars on Bee keeping