



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	PATNA SCIENCE COLLEGE
Name of the head of the Institution	S. R. PADMADEO
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0612-2678010
Mobile no.	9113484585
Registered Email	pscppatna@gmail.com
Alternate Email	srpadmadeo@gmail.com
Address	ASHOK RAJPATH
City/Town	PATNA
State/UT	Bihar
Pincode	800005
<b>2. Institutional Status</b>	

Affiliated / Constituent	Constituent																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	state																		
Name of the IQAC co-ordinator/Director	SHARDENDU																		
Phone no/Alternate Phone no.	06122678010																		
Mobile no.	9473240391																		
Registered Email	iqac.pscp@gmail.com																		
Alternate Email	shardendu.pu@gmail.com																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.patnasciencecollege.ac.in/070519_aqar.html">http://www.patnasciencecollege.ac.in/070519_aqar.html</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	No																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>B</td> <td>2.16</td> <td>2020</td> <td>08-Jan-2020</td> <td>07-Jan-2025</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	2	B	2.16	2020	08-Jan-2020	07-Jan-2025
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				Period From	Period To														
2	B	2.16	2020	08-Jan-2020	07-Jan-2025														
<b>6. Date of Establishment of IQAC</b>			08-Sep-2012																
<b>7. Internal Quality Assurance System</b>																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date &amp; Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;">No Data Entered/Not Applicable!!!</td> </tr> </tbody> </table>						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	No Data Entered/Not Applicable!!!							
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<pre>L::asset('/', 'public') ./public/index.php/admin/get_file?file_path='.encrypt('Postacc/Special_Status/'. \$instdata-&gt;upload_special_status)}} </pre>																			
No Files Uploaded !!!																			

**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
NO data available	NA	NO data available	2020 0	0
No Files Uploaded !!!				

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

No

Upload latest notification of formation of IQAC

No Files Uploaded !!!

**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

No

Upload the minutes of meeting and action taken report

No Files Uploaded !!!

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

• Promotion of Research by faculty and students • AntiPlagiarism Workshop for Research scholar and faculty • ParentTeacher Meeting to strengthen students' academic progression • Faculty attended workshops on the Choice Based Credit System • Guest lectures were conducted

No Files Uploaded !!!

**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
NO data available	NO data available
No Files Uploaded !!!	

**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:	No
17. Does the Institution have Management Information System ?	No

## 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 words

Patna Science College ensures effective designing and delivery of curriculum through a well-planned and documented process. Curricular structure of the College is approved by the Academic Council of Patna University. Various committees work towards the effective delivery of the curriculum to the students. The prospectus of the college apprises the inducted students with the courses, curriculum, fee structure, antiragging, equal opportunity cell etc. for each academic year. The thrust of the institution is to impart multi-dimensional, holistic education to the students with effective curriculum delivery. The academic year commences with an Induction Program for newly admitted students. In this Programme, the students get familiarized with the faculty members and their courses of studies. The students are apprised of various societies/ Clubs and committees of the college such as Cultural wing (Natya Kala Parishad), Debating Society, Athletic Club, NSS, and so on. Students are also informed about various facilities available in the college like the Wi-fi facility, library, laboratories, boys and girls common rooms etc. At the beginning of every academic year the Heads of each Department guide their faculty members to prepare lesson plans. The lesson plans divide the entire course contents into short cycle units to inform, engage and motivate the students. In the meeting of the Departmental Council courses/papers are distributed among faculty members according to their areas of specialization and it is ensured that faculty members expand their capacities in teaching. The progress of teaching and learning is reviewed and assessed every month by the Departmental Council. The monitoring is also done by the IQAC and it keeps organizing lectures and seminars for the benefit of faculty members and students. Classes are regularly conducted and are well supplemented with practical laboratory sessions and tutorials. The internal assessment of students is carried out periodically and the final examination is held in accordance with the regulations set by the University. Even guest faculties are invited to augment the curriculum delivery. One of the features of our institution is Remedial Coaching which is provided by all the departments on a consistent basis. Remedial coaching hopes to augment the academic competence of the students who wish to improve their performance for their bright future. College Central Library has reach collections of Modern and rare books of Science, In addition to Central Library each departments has its own seminar library to full-fill the need of concerned department's Student and Faculty. College obtained membership of INFLIBNET, which provides Seven lakh e-books and 6000 e-journals. Students are provided free Wi-Fi logins to access the e-journals. College also provides well-equipped science laboratories, state-of-the-art computer labs and so on. ICT enabled classrooms with the facilities of

Laptops and LCD Projectors are used to assist the audio-visual mode of teaching. The college website is updated regularly under the guidance of the website committee. It carries all information about academic as well as extracurricular activities. To accomplish the curriculum delivery effectively, annual audit is carried out and attainment of course outcomes is ascertained

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
No Data Entered/Not Applicable !!!					

**1.2 – Academic Flexibility**

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
No file uploaded.		

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
BSc	Biotechnology	01/07/2019
BSc	BCA	01/07/2019
BSc	Environmental Science	01/07/2019

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

	Certificate	Diploma Course
Number of Students	0	0

**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
No Data Entered/Not Applicable !!!		
No file uploaded.		

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	Biotechnology	20
BSc	BCA	26
<a href="#">View Uploaded 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**

The feedback taken by students of all batches is given to each teacher by the Principal after being verified, statistically analyzed and tabulated for quality improvement in teaching methodology. A self-appraisal is prepared by each teacher. The Principal suggests and addresses possible areas of improvement. Principal also evaluates these with each teacher, motivating her/him to look at specific areas where growth is required. Efforts are made to motivate parents to fill feedback forms regarding problems in the College. Evaluation of all college programmes with the respective stake-holders is conducted. Similarly a feedback is done with the out-going Student Council before they leave college.

**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	B. Sc. (Hons)	600	2445	620
BSc	Environmental Science	30	158	8
BSc	BCA	30	250	30
BSc	Biotechnology	30	264	30

[View Uploaded 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
2019	22	Nil	22	Nil	Nil

**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
27	20	8	7	8	Nil

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

No file uploaded.

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

Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs), as an integral part of syllabi, of are uploaded on the website of the college and also displayed in the college prospectus. These course outcomes are also communicated to the students in the classes by respective teachers in classrooms, labs, tutorials and sessions of mentoring. Further, college has also uploaded the lesson plans (of each working day) of all courses of the programs on the website of the college. Monthly lesson-plan of all the courses of the different programs are also displayed on the college notice boards and the teachers strictly adhere to the completion of the courses as per the lesson plans. The teachers also introduce the students to the specific areas of which they are going to gain knowledge. The teachers of every department instruct the student that at the end of each programme what they are supposed to obtain. The programme outcomes of all the subjects are clearly informed to the students. In this regard, the students' doubts and confusions are clarified by the teachers. The faculty members are sensitised towards these outcomes in Departmental council meetings so that they continuously strive for their attainment.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
691	27	1 : 26

## 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
Nil	22	Nil	5	25

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
No Data Entered/Not Applicable !!!			
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## 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 examination
BSc	Nil	2019-20	01/07/2019	31/03/2020
<a href="#">View Uploaded File</a>				

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

The College takes special care of evaluating the learning outcome of the students. The Continuous Internal Evaluation system is a part of the endeavors for ensuring the quality outcome of whatever the students have learnt. Informal class tests are organized by the concerned subject teachers and the performance of the students are discussed in classroom. At the end of year, the College conducts examination following the Centralized Evaluation System designed by Patna University, Patna. As a part of Continuous Internal Evaluation, various departments of the College regularly conducts remedial tests, surprise tests, quiz, group discussions etc to facilitate smooth transfer of the knowledge to be imparted. The assignments given to the students at the practical sessions are continuous evaluated by the teachers. At the onset of academic year,

faculty members in their classes, provide the details regarding syllabus, course structure and the components for evaluation and handle any query regarding the same. The following are some important features of the continuous internal evaluation process of the College. The notifications and reforms from the University are duly notified by the Principal to all the faculty members and also displayed on Notice Board and website. Internal Assessment record is shown to the students and performance are discussed. All the grievances/discrepancies in the internal assessment records are taken up the Examination Committee and forwarded to the concerned teacher. Seminars, technical paper presentation and Case Studies are introduced in the curriculum to make the environment activity based. To refine the critical thinking among students, various group discussions, debates, seminars, workshops etc., are organized in which students explore new ideas and thus enhances their performance levels.

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

As constituent college, the Patna University calendar is adhered to. In addition to this, an Academic College Calendar is prepared and printed which contains a list of all the interactive and innovative programmes to be conducted by the college, both at the faculty and student level. Detailed time table with dates are given for Examination. Students prepare for these examinations accordingly. Each member of the staff and student community receive a copy of the college calendar to enable them to plan for activities. An IQAC Calendar is also prepared this enumerates academic programmes and activities for quality enhancement to be held in the college.

## 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://www.patnasciencecollege.ac.in/>

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
No Data Entered/Not Applicable !!!					
No file uploaded.					

## 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)

<http://www.patnasciencecollege.ac.in/>

## 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
No Data Entered/Not Applicable !!!				
No file uploaded.				



### 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
Dynamics of gene Transposition	Botany	14/09/2019
Statistics in Botany		16/11/2019
Changing face of Microbiology		16/11/2019
Human Values		23/11/2019
Environmental issues		04/12/2019
Scientific approaches for environmental pollution control		07/12/2019
Medicinal Plant and Ayurveda		04/02/2020
Herbarium project on different topics ( Under DBT Star College Scheme)		12/09/2019
Quiz Competition		06/12/2019
Chart Model Competition		11/12/2019
Debate Competition		04/02/2020
Presentation For the Herbarium Project		04/02/2020
Instrumentation Workshop		15/02/2020

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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
No Data Entered/Not Applicable !!!					
No file uploaded.					

### 3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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)
National	botany	1	7.95
International	botany	1	0
International	physics	2	1.53
National	physics	1	0
National	chemistry	2	0
National	zoology	1	0
International	english	1	0.67
National	hindi	1	0
National	math	1	0

[View Uploaded File](#)

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
No Data Entered/Not Applicable !!!	
No file uploaded.	

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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	3	2	0
<a href="#">View Uploaded File</a>				

### 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
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NCC	DGNCC	1	1
NSS	Patna Science College	1	347
<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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

### 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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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
No Data Entered/Not Applicable !!!					
No file uploaded.					

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
No Data Entered/Not Applicable !!!			
No file uploaded.			

## 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
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12019200	12019200
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4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Laboratories	Existing
Campus Area	Existing
Others	Existing
<a href="#">View File</a>	

**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
No Data Entered/Not Applicable !!!			

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	56000	207546	Nil	Nil	56000	207546
<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
No Data Entered/Not Applicable !!!			
No file uploaded.			

**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	80	2	80	1	1	1	7	1	0
Added	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>80</b>	<b>2</b>	<b>80</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>7</b>	<b>1</b>	<b>0</b>

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

1 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
No Data Entered/Not Applicable !!!	

**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
397495	397495	789327	789327

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)

Upgradation of the computer systems is generally done on quarterly basis. To fulfill the emergency demands, individual system upgradation is carried out keeping in mind the need for update, deployment and maintenance of the computers in the institution. Hardware and Software maintenance of computers and accessories are done on regular basis.

<http://www.patnasciencecollege.ac.in/>

## 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	Nil	Nil	Nil
Financial Support from Other Sources			
a) National	Student credit card	21	117682
b) International	Nil	Nil	Nil
<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 implementation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
No file uploaded.			

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
No Data Entered/Not Applicable !!!					
No file uploaded.					

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
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		redressal
No Data Entered/Not Applicable !!!		

## 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
No Data Entered/Not Applicable !!!					
No file uploaded.					

### 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
No Data Entered/Not Applicable !!!					
No file uploaded.					

### 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
No Data Entered/Not Applicable !!!	
No file uploaded.	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
No file uploaded.		

## 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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

The Patna Science College, being an integral unit of the Patna University, holds student body elections [Patna University Students' Union (PUSU) elections] at regular intervals along with all other constituent parts of the university. Two council members are elected from the college, who eventually become the members of the central students' body of the University. These students regularly interact with the common students in general, and represent their issues to the concerned authorities for solutions. Following the guidelines received from the NAAC, the College has adequately pondered upon maximizing the student representation in the academic and administrative bodies

and committees, and has also started acted upon the possibilities of inclusion of the students in the functioning of the institution. One such step is keeping student representatives in the IQAC so that students can also voice their views and share their plans on the developmental trajectory of the college.

Currently, Mr Parmeshwar Raj, who is also an elected student councilor, represents the students in the Internal Quality Assurance Cell (IQAC) of the college. In addition, students are also active members of the cultural and sports related bodies of the college. For example, students are active members of the Athletic Club, which regularly conducts sport related activities including the Annual Sports. Students play an important role in the organization of such mega events. It is their active participatory spirit and sportsmanship that propels these events towards success. Students, as members of the Boys' and Girls' Common Rooms Committees, also play an active role in the proper functioning and maintenance of these spaces where students may entertain and refresh themselves, create peer groups, and innovate, both professionally and culturally. The college has various cultural societies, which regularly organize different cultural events at the institution. These cultural societies include 'Natyakala Parishad' and 'Vaad Vivaad Samiti' major parts of the Cultural Wing of the college. Other parts like 'Hindi Sahitya Parishad', 'Vasn-e-sukhan', 'Bangla Sahitya Sammelan' and 'Bhojpuri Samiti', which facilitate cultural activities and competitions in different languages of India, especially contribute to the multiplicity of the country. In all these societies students are adequately represented and the role of the students remains indispensable in the functioning of these societies. Students also play a major role in the functioning of the students' hostels. Senior students from every batch residing in hostels are selected as Prefects, and are given administrative responsibilities in running these establishments. The representation of the students contributes immensely towards maintaining the democratic atmosphere of the Institution, and also towards keeping the equilibrium among the stakeholders of the institution.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Patna Science College Alumni Association is fully functional and they have contributed a lot to the renovation, infrastructural, curriculum development of the College. The Examination Hall, with the seating capacity of 400 students, has been fully funded by the notable alumnus Prof. Chandra Shekhar Sharma. The auditorium situated on the campus of the Department of Geology has been built by Dr Ranjan Prasad Yadav. The roads and streets on the campus have been renovated by the fund donated by Shri Shatrughna Sinha who has been a student of this college. The Gymnasium Hall has recently been renovated by the alumni who passed out of this college in 1987. In addition, from time to time valuable help and suggestions are sought after from the alumni for the enrichment of teaching learning practices. The alumni share their ideas about the opportunities and possibilities of growth of the institution. The last alumni meet was successfully conducted on March 17, 2019 in which the contribution of Dr Ranbir Nandan (MLC), an alumnus of the College, was commendable. Each Department takes help of its alumni to organize seminars, guest lectures, extra-mural lectures and illuminating talks on different issues and topics. Since there is an acute shortage of faculty members in most of the Departments, the alumni are requested to conduct classes to keep the academic calendar smoothly going. They also play a crucial role in guiding and counseling students.

5.4.2 – No. of enrolled Alumni:

200

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

200000

5.4.4 – Meetings/activities organized by Alumni Association :

0

## 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)

The College promotes a culture of participative management. The College encourages active participation and involvement of all the staff members in meetings. Staff members are persuaded to contribute in the meetings by sharing their views and by giving valuable suggestions. Further, the College has successfully developed various committees which require participation of all the members from teaching, staff and student-bodies. Campus Development Committee: It comprises the senior teachers from different departments, committees as well as students representatives. It deliberates on the College calendar, matter of policy, introduction of new courses, holding of functions, distribution of duties and day to day problems. The committee helps the Principal in the management of the affairs of the College and advises him on all institutional matters. It also assists administration in maintaining discipline and assuring smooth functioning in the college. Admission Committee: This committee is before the beginning of new session to perform the task of taking admission. It is headed by senior professors and bursars and comprises of other faculty members and non-teaching staff. Examination Committee: Headed by the Controller of Examinations, the committee undertakes the responsibility of complete coordination related work- from notification of examination dates the final evaluation and declaration of results. The Controller of Examinations also makes sure that the University Result is properly distributed to concerned students. Library Advisory Committee: Headed by Prof-in-charge Library plan, coordinate and decide on the various activities of the library- from purchase of new books to adding facilities in the library as per the requirement of the library users. Purchase Committee: The members of this committee coordinate and oversee all purchases of the College. Grievance Redressal Cell: It looks into the grievances of the students/faculty/staff and provides remedial measures. Cleanliness Committee: It endeavours to keep a hygienically clean, eco friendly environment on the campus, and at the same time takes care of its beautification. Athletic Club: Sports and games related activities are supervised and conducted by this club. It also organizes Annual sports-meet every year and encourages students to participate in various state and national level competitions. RTI Cell: The task of this cell is to make a sound response to various queries made by people about various issues related to the functioning of the College. It comprises of senior faculty members and Head Assistant of the office. Time table Committee: It consists of faculty from different departments. They make the College time table and ensure proper distribution of the time schedule both for faculty and students. Anti-ragging Committee: To make the campus a safe and secure place for newly admitted students this committee discharges its duties and responsibilities. It comprises faculty members, hostel superintendents and students union councillors. Career Guidance and Placement Cell: It assists the students during admissions with detailed information about different subjects and courses available to them counsel students regarding their progression to higher studies and placement.

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



**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
Examination and Evaluation	Headed by the Controller of Examinations, the committee undertakes the responsibility of complete coordination related work- from notification of examination dates the final evaluation and declaration of results. The Controller of Examinations also makes sure that the University Result is properly distributed to concerned students.
Curriculum Development	Curriculum is developed by the University. Suggestions from the academic council and board of study are forwarded by college administration to the Patna University. Academic mentoring of students is done by the teachers.
Teaching and Learning	The vision of the institution is based on the premise that excellence flourishes in an environment that involves all the stakeholders concerned with the cause. To make the teaching, learning and evaluation effective and efficient, various processes have been developed which give full freedom and flexibility to the faculty and the students to achieve their full potential. An equitable and inclusive working environment creates the conditions for the faculty and the student body thus making them capable and confident. The college conduct induction Programme for new students after the completion of admission process. The time-table and the annual academic calendar that contain the details of all the academic and cocurricular activities are made available to all through its website/Hard Copy. The Lesson Plans and the Teaches Diary maintained by our dedicated and skilled faculty show the roadmap for teaching and learning. The Bridge Courses and classes for slow learners and advanced learners are conducted to cover up the gap.

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

E-governace area	Details
Student Admission and Support	The admission process in Patna

Science college has been conducted through online centralized portal for filling up of form and declaration of results.

### 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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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)
No Data Entered/Not Applicable !!!						
No file uploaded.						

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
27	27	86	86

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
No Data Entered/Not Applicable !!!		

### 6.4 – Financial Management and Resource Mobilization

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

No Data Entered/Not Applicable !!!
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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	Funds/ Grnats received in Rs.	Purpose
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funding agencies /individuals		
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!
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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	Nil	Nil	No	Nil
Administrative	Nil	Nil	No	Nil

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

No Data Entered/Not Applicable !!!
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6.5.3 – Development programmes for support staff (at least three)

No Data Entered/Not Applicable !!!
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

Enhanced use of ICT by faculty in the teaching-learning process Initiatives for a green campus - solar electricity barrier free campus-ramps, toilet for persons with disability Workshop for skill development
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6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	No
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
No Data Entered/Not Applicable !!!					
No file uploaded.					

### 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
Human Values	23/11/2019	23/11/2019	47	20

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
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The College is very well aware of the environmental degradation that is taking place across the globe and commits itself towards the protection of the natural environment around its premise. The Institution feels that by implementing a smoothly functioning waste management system, it can significantly contribute to the cause of environment protection, at least at the local level. Keeping this in view, the College has placed solid waste bins at different corners of the campus in adequate numbers. The staff and the students are made increasingly aware to use them to the greatest extent. Efforts are also made to sensitize the cleaning staff to dispose the solid wastes in proper manner and especially to recycle them as much as possible instead of burning them. The Patna Science College campus is also the home for a Solid Waste Management Facility and two compost pits, which facilitates the production of organic manure although on a decent level. Dry waste and wet waste are collected separately and deposited into garbage van for further recycling procedure managed by the Corporation. Disposal of waste is done with utmost care. All biodegradable waste is collected in a vermiculite sites to be consecrated onto organic manure which in turn is used in the college lawns. Plastic waste is collected separately and sent to the municipal collection centers for appropriate disposal. The College regularly takes care that the students are made aware of the e-waste management procedures. The e-waste awareness campaigns have been organized in the College, especially, the one taken place in the recent past with the initiative led by the Ministry of Electronics and Telecommunication, Government of India. In such initiatives, the students have also contacted the common service centres for hand-on training of the e-waste management. The e-wastes are given to the vendors for recycling so that the College may voluntarily make itself a part of the world-wide campaign against environmental degradation.

#### 7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	13
Rest Rooms	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
No Data Entered/Not Applicable !!!							
No file uploaded.							

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

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

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

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
No file uploaded.			

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

The College is located in the older part of the City of Patna, and the academic blocks and the hostels are located in close vicinity of the main campus. It is quite normal a practice among the students and the staff who reside in the nearby areas to use bicycles to commute to the campus and back. The College has also notified the students and staff to use bicycles and other modes of green transportation as much as possible as a part of its awareness campaign for the protection of the environment around. The College is a part of the Patna University's initiative to make public transport available for the students and the staff in unique ways. Like the University has collaborated with the Bihar State Transport Corporation for plying in a dedicated route, from the Gandhi Maidan to the NIT More, which has Patna Science College as an important stop. The students and the staff are able to travel on these buses in concessional fares. Apart from that, the teachers of the College regularly but informally interact with the students convincing them to understand the values of using various modes of public transport and green transport. The roads within the College campus are not too frequented with personal vehicles, and that is an added advantage for the College to offer more space to the pedestrians. The College campus is spread over an area covering over 28 acres, and this gives immense opportunity to the strollers for walking down the campus with relative ease. The big field located within the campus offers enough space for strolling, walking and other activities related to physical well-being. The College is also planning to make the roads wider and to equip them with pedestrian-friendly infrastructures. The College is a notified 'Plastic-free Zone', and this has been displayed adequately at different corners of the campus. The College takes care of the proper disposal and recycle of the plastic wastes on the occasions when it is forced to use plastic items like bottles of packaged drinking water or foils bought from outside. The College is putting more and more stress on the automation, and this is reflected in the growing use of computers and other digital platforms in administrative, official and academic matters. The Departments are encouraging the students to use digital platforms as much as possible. The notices, in many cases, are now being circulated through e-mails and whatsapp groups. Tree plantation programme is a regular feature of the social activities that the College carries out, and this is especially facilitated by the College unit of the National Service Scheme (NSS).

## 7.2 – Best Practices

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

**Best Practice 1: Title of the Practice:** The Patna Science College regularly publishes its research journal entitled the 'Journal of Patna Science College'.  
**Goal:** To promote, preserve and disseminate fundamental research in basic sciences and allied areas. **The Context:** The historical contribution of the College to the science education and research, and also the growing contemporary thrust upon research and innovation have facilitated the publication of the journal. **The Practice:** This journal has an ISSN, which is 2347-9604. Until very recently the journal was enlisted in the list of UGC recognized journals. This is an annual research publication platform of the College, in which the teachers, the students and the research scholars registered under the Patna University working in the College campus publish their research works. Apart from the in-house authors contributing to the journal, the College is proud of the fact that the teachers and researchers from all over the country enrich the volumes by their valuable contributions.  
**Evidence of Success:** The Journal now has been published for the last six consecutive years. A digital copy of the latest volume of the journal (Volume-6, 2018) is available on the College website. **Resource:** The Journal is published with the internal resources available with the College. **Best Practice**

2: Title of the Practice: The Patna Science College invites its distinguished alumni placed in important positions at established institutions across the country and the globe for regular interactions with the students, delivering lectures, engaging classes, sharing research and professional experiences and career guidance. Goal: To closely integrate the historic alumni base of the College along with their rich treasure of knowledge with the present prospect of it, and to expose the current students more to the wider arena of contemporary research and education. The Context: Established in 1927, the College is one of the oldest institutions for science research and education. The College thus has a long history of producing distinguished alumni, who are placed in commendable positions at various institutions across the country and the globe. The present practice is the result of the meditation of the College on the prospect of having such a strong and rich alumni base. The Practice: This alumni visit the campus for regular interactions with the students, delivering lectures, engaging classes, sharing research and professional experiences and career guidance on regular basis. The College feels pleased to mention the fact that the alumni serve their alma mater free of cost and out of their sense of attachment and obligation with this institution. Evidence of Success: The students feel more energized, exposed and enriched by the presence of these eminent personalities. They also feel more attached to the College. This practice provides the students with avenues for finding better ways of success. Resource: The College is proud of the fact that the alumni visiting the campus manage the expenses for their visits on their own and thus relieve the institution from many burdens. The College honors them with tokens of appreciation.

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

<http://www.patnasciencecollege.ac.in/>

### 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

In consonance with the vision and mission of the Patna Science College, the thrust of the Institution is to impart multi-dimensional and holistic development with special focus on teaching, learning and research in the field of Basic Sciences along with nurturing human values contributing towards the nation and the society. Being one of the oldest premier institutions, the College has witnessed a glorious journey and contributed richly to the field of science. The Institution aims at providing the youth with an education of science by incorporating endeavors to create an environment which generates a love of learning, a habit of critical thinking and ability for accurate expression. As an educational institution the emphasis lies on imparting education in the most effective manner. To attain this, the College ensures that classes are regularly conducted with sincerity and theoretical teaching is adequately supplemented with practical laboratory sessions and tutorials. In addition, remedial classes are also arranged as per the needs of the students. Keeping in mind the specific needs for the curricula, field visits, internships and hands-on trainings are undertaken by the College in collaboration with other institutions and industries across the country. For example, the students visit such Institutions and industries of repute, both at the National and the State levels, as the Geological Survey of India, the Central Ground Water Board, the Bihar State Disaster Management Authority, the Mahaveer Cancer Sansthan and Research Centre, the Office of the Superintendent Engineer of the South Bihar Power Distribution Company Ltd, the Hindustan Media Venture Ltd., the State Rays Edutech Pvt Ltd. etc. A distinctive feature of the College is its spacious and specially-equipped laboratories for conducting researches and

practical sessions specific to the programmes taught to the basic and applied science undergraduates. The laboratories in the Department of Physics have been designed in such a way that some rooms are well-lit, some are partly-lit while some of them are totally dark even during the day times. This unique feature specially helps the researchers to conduct experiments in the field of Spectroscopy. A wellmaintained museum is a proud part of the Department of Geology that is home for various rocks, fossils and minerals from widely distinct territories across the globe. The Department of Zoology has Electron Microscopy Laboratory, Dark Room, Museum, Store and Research Laboratories of Biochemistry etc. similarly, the Department of Botany is deservedly famous for maintaining a Botanical Garden enriched with various herbs and plants, which provide a venue for research and experiment. These features create an environment for innovation in teaching and research in the field of basic and applied sciences. Each department is equipped with a rich departmental library and reading hall. Keeping abreast of the recent technological advancements required for effective teaching and research, departments are provided with desktops, laptops, projectors and other ICT facilities. The Campus is endowed with the wi-fi facility and subscription to the INFLIBNET-NLIST to access e-resources for learning. In this way, the College is able to create an environment that serves the Institution's

Provide the weblink of the institution

<http://www.patnasciencecollege.ac.in/>

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

Our future plan is to create a vibrant academic space with focus on world-class education, research and service. Students and staff will be oriented to cultivate the best human values, character and practices demanded of citizens to serve the nation and society. Through innovative teaching, research, skill-development and use of technology, students and faculty members will strive to provide insights and solutions for diverse challenges faced across the globe. Along with the production of knowledge, it also believes in nurturing co-curricular talent in learners for their holistic development. Mission To grow as the centre of excellence in the field of science, technology and innovation and empower the learners to lead the world in general and nation in particular in the next century towards a bright and sustainable future for mankind. To prepare citizens equipped with independent thinking, critical ability and entrepreneurship. To work for the welfare of society by upholding the ideals of the Republic of India enshrined in the Constitution. The College is highly reputed for teaching and research. Our college believes in striving for newer goals, maintaining high standards and establishing Patna Science College as a 'Knowledge Centre', nationally and internationally. The strength of our college lies in its ability to adapt to the changing needs of the time. To realize this vision, we inculcate the importance of learning in our students, thus ensuring their intellectual and emotional development. The college encourages innovative, rigorous and professional pattern of teaching and learning, enabling the students and teachers to become outstanding scholars, educators and professionals by preparing action plans within the framework outlined by the Patna University.