YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	Patna Science College
• Name of the Head of the institution	Prof. Shree Ram Padmadeo
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	0612-2678010
• Mobile No:	9113484585
• Registered e-mail	pscppatna@gmail.com
• Alternate e-mail	srpadmadeo@gmail.com
• Address	ASHOK RAJPATH
• City/Town	PATNA
• State/UT	Bihar
• Pin Code	800005
2.Institutional status	
• Affiliated / Constitution Colleges	
• Type of Institution	Co-education
• Location	Urban
• Financial Status	UGC 2f and 12(B)

• Name of the Affiliating University	Patna University
• Name of the IQAC Coordinator	Prof. Shardendu
• Phone No.	NA
• Alternate phone No.	06122678010
• Mobile	9473240391
• IQAC e-mail address	iqac.pscp@gmail.com
• Alternate e-mail address	shardendu.pu@gmail.com
3.Website address (Web link of the AQAR (Previous Academic Year)	http://www.patnasciencecollege.ac.in/070519_aqar.html
4.Whether Academic Calendar prepared during the year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	http://www.patnasciencecollege.ac.in/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	B	2.16	2020	08/01/2020	07/01/2025

6.Date of Establishment of IQAC	08/09/2012

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	Nil	Nil

8.Whether composition of IQAC as per latest NAAC guidelines	Yes	
• Upload latest notification of formation of IQAC	No File Uploaded	
9.No. of IQAC meetings held during the year	09	

• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	No
• If No, please upload the minutes of the meeting(s) and Action Taken Report	View File
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
• If yes, mention the amount	

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

Intellectual Property Right Application of Mathematical Modelling in Biology Online upgradation of Journal of Patna Science College

Promotion of Research by faculty and students

Anti Plagiarism Workshop for Research scholar and faculty

Faculty attended workshops on the Choice Based Credit System

Guest lectures were conducted

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Nil	Nil

13.Whether the AQAR was placed before statutory body?	No
• Name of the statutory body	

Name	Date of meeting(s)
Nil	Nil

14.Whether institutional data submitted to AISHE

Year	Date of Submission
no	Nil

15.Multidisciplinary / interdisciplinary

16.Academic bank of credits (ABC):

17.Skill development:

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

20.Distance education/online education:

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	10

File Description	Documents
Data Template	View File

2.Student

2.1 Number of students during the year	575

File Description	Documents
Data Template	No File Uploaded

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	665

File Description	Documents
Data Template	No File Uploaded

2.3 Number of outgoing/ final year students during the year	347

File Description	Documents
Data Template	No File Uploaded

3.Academic

3.1 Number of full time teachers during the year	24

File Description	Documents
Data Template	No File Uploaded

3.2 Number of Sanctioned posts during the year	NIL

File Description	Documents
Data Template	No File Uploaded

4.Institution

4.1 Total number of Classrooms and Seminar halls	39
4.2 Total expenditure excluding salary during the year (INR in lakhs)	7662221
4.3 Total number of computers on campus for academic purposes	80

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The College offers 10 UG Science Programs out of which 7 Programs are of conventional Courses Hons. in Physics, Chemistry, Botany, Geology, Zoology, Mathematics, Statistics 3 UG Programs in Vocational / Professional Courses B.Sc. (Computer Applications) B.Sc. (Bio-Technology) & B.Sc. (Environmental Science) Under Self Financed Scheme. As college is a constituent unit of Patna University, Patna, it follows the course curriculum designed and developed by Patna University. The college designs its own curricular delivery plan and its effective implementation model at the beginning of each academic year. The machanism is designed and developed in a meticulous manner to encourage participative and lifelong learning. The programme and course outcomes define the learning level of the students in terms of knowledge, skills, values and capabilities. The college continuously seeks to enhance its students' behavioural, leadership and teamwork skills through various activities, events and various developments from time to time. The Lesson Plans for each course prepared by the concerned teachers clearly divides the entire course content into short cycle units planning to inform, engage and motivate the students. The pedagogy includes assignments, projects, class presentations, class tests and seminars, self-assessment tests, house exam, group discussions and quizzes. Faculty members maintains academic progress diary regularly which reflects the coverage of the planned lessons. The Provide maximum enrichment and to make learning more productive and interesting, opportunities are provided to the students to establish partnership with communities through various clubs and societies where students learn crucial life skills; develop formative competency and emphatic positive behaviour. The college undertakes various programmes to involve the students in social initiatives such as Gender Sensitization, Environment Consciousness and Human Values and Professional Ethics. To enable information and digital literacy, Computer awareness Programmes for students teaching & non-teaching faculty are organised by the BCA department very often. Further, the college is based on the framework of outcome based-education system, as each course revolves around well-defined learning outcomes. The IQAC encourages the 360 degree feedback mechanism and takes necessary action to implement it.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://www.patnasciencecollege.ac.in/

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

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.

File Description	Documents
Upload relevant supporting documents	**No File Uploaded**
Link for Additional information	http://www.patnasciencecollege.ac.in/

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

C. Any 2 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

01

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

02

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	No File Uploaded

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

00

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

00

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The college undertakes variousprogrammes to involve the students in social initiatives such as GenderSensitization, Environment Consciousness and Human Values and ProfessionalEthics.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

10

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

42

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

D. Any 1 of the above

File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://www.patnasciencecollege.ac.in

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

60

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

611

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Nil

File Description	Documents
Link for additional Information	Nil
Upload any additional information	No File Uploaded

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
Nil	Nil

File Description	Documents
Any additional information	No File Uploaded

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The college aims to provide all kinds of supports of support to the students. Being a Constituent unit of Patna University non profits institution, the fees are charged by the college as per the government rules and regulations, which is very minimal for boys and totally free for girls student. The college publishes a guidebook "Nidheshika" and updates its website to provide guidance and important information to the incoming students, containing various aspects of the College, courses and instruction. College regularly publishes "Journal of Science" and college Magazine "Navnirman" which provides platform for students as well as faculty members to portray their creativity and innovations in their concerned areas. The SC, ST, BC-I and Minorities students are given scholarship (fee waiver) by the Bihar State Welfare Department. The College has

established a Career Counseling and Placement Cell, with objective to provide career guidance and placement opportunities to students. An unregistered Alumni Association of the College exists. One of the alumni of the Geology Dept. (an ex- M.P) has contributed money from his M.P. Area Development Fund for the construction of an auditorium and a geology museum. Alumus of this college Cine Star former MP Mr. Shatrughan Sinha contributed from his MP quota for the contribution of PVC Patna to connect all the departments. The College has a very distinguished list of alumni occupying important positions in various fields including the present Chief Minister and Deputy Chief Minister, Politicians, IAS officers, ViceChancellors, academicians and educationalists etc. The association should become active in mobilizing resources for the development of the College. Sports facilities are available to the students. Gymnasium, Yoga and Meditation Centre, Indoor and outdoor games are available in the campus. The College students have given ample scope for their cultural activities and have cultural club called "Natya Kala Parishad".

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The teachers are using ICT toolswhile imparting knowledge to the students. The WiFi scheme supported by theGovernment of Bihar is being fully utilized by the students and facultymembers. Faculties are imparting their teachings through smart board,projector and e-learning resources.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

12.3

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

24

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

22

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

13

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

At the end of year, the Collegeconducts examination following the Centralized Evaluation System designed byPatna University, Patna. As a part of Continuous Internal Evaluation, variousdepartments of the College regularly conducts remedial tests, surprise tests,quiz, group discussions etc to facilitate smooth transfer of the knowledge tobe imparted. The assignments given to the students at the practical sessionsare continuous evaluated by the teachers.The following are some important features of the continuousinternal evaluation process of the College. The notifications and reforms fromthe University are duly notified by the Principal to all the faculty membersand also displayed on Notice Board and website. Internal Assessment record isshown to the students and performance are discussed. All thegrievances/discrepancies in the internal assessment records are taken up theExamination Committee and forwarded to the concerned teacher. Seminars,technical paper presentation and Case Studies are introduced in the curriculumto make the environment activity based. To refine the critical thinking amongstudents, various group discussions, debates, seminars, workshops etc., areorganized in which students explore new ideas and thus enhances theirperformance levels.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The assignments given to the students at the practical sessionsare continuous evaluated by the teachers.Seminars,technical paper presentation and Case Studies are introduced in the curriculumto make the environment activity based. To refine the critical thinking amongstudents, various group discussions, debates, seminars, workshops etc., areorganized in which students explore new ideas and thus enhances theirperformance levels.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The College offers 10 UG Science Programs out of which 7 Programs are of conventional Courses Hons. in Physics, Chemistry, Botany, Geology, Zoology, Mathematics, Statistics 3 UG Programs in Vocational / Professional Courses B.Sc. (Computer Applications) B.Sc. (Bio-Technology) & B.Sc. (Environmental Science) Under Self Financed Scheme. As college is a constituent unit of Patna University, Patna, it follows the course curriculum designed and developed by Patna University. The college designs its own curricular delivery plan and its effective implementation model at the beginning of each academic year. The machanism is designed and developed in a meticulous manner to encourage participative and lifelong learning. The programme and course outcomes define the learning level of the students in terms of knowledge, skills, values and capabilities. The college continuously seeks to enhance its students' behavioural, leadership and teamwork skills through various activities, events and various developments from time to time. The Lesson Plans for each course prepared by the concerned teachers clearly divides the entire course content into short cycle units planning to inform, engage and motivate the students. The pedagogy includes assignments, projects, class presentations, class tests and seminars, self-assessment tests, house exam, group discussions and quizzes. Faculty members maintains academic progress diary regularly which reflects the coverage of the planned lessons. The Provide maximum enrichment and to make learning more productive and interesting, opportunities are provided to the students to establish partnership with communities through various clubs and societies where students learn crucial life skills; develop

formative competency and emphatic positive behaviour. The college undertakes various programmes to involve the students in social initiatives such as Gender Sensitization, Environment Consciousness and Human Values and Professional Ethics. To enable information and digital literacy, Computer awareness Programmes for students teaching & non-teaching faculty are organised by the BCA department very often. Further, the college is based on the framework of outcome based-education system, as each course revolves around well-defined learning outcomes. The IQAC encourages the 360 degree feedback mechanism and takes necessary action to implement it.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

During the semester and at the end of year, the Collegeconducts examination following the Centralized Evaluation System designed byPatna University, Patna. As a part of Continuous Internal Evaluation, variousdepartments of the College regularly conducts remedial tests, surprise tests,quiz, group discussions etc to facilitate smooth transfer of the knowledge tobe imparted. The assignments given to the students at the practical sessionsare continuous evaluated by the teachers.Seminars,technical paper presentation and Case Studies are introduced in the curriculumto make the environment activity based. To refine the critical thinking amongstudents, various group discussions, debates, seminars, workshops etc., areorganized in which students explore new ideas and thus enhances theirperformance levels.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the

year

483

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

http://www.patnasciencecollege.ac.in

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

00

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	No File Uploaded

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

00

File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

07

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

11

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

03

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	No File Uploaded

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

In consonance with the vision and mission of the Patna Science College, thethrust of the Institution is to impart multi-dimensional and holistic development with special focus on community service through NSS and NCC along with nurturing human values contributing towards thenation and the society. Being one of the oldest premier institutions, theCollege has witnessed a glorious journey and contributed richly to the field ofscience. The Institution aims at providing the youth with an education ofscience by incorporating endeavors to create an environment which generates alove of learning, a habit of critical thinking and ability for accurateexpression. Keeping in mind the specific needs for the curricula, field visits, internshipsand hands-on trainings are undertaken by the College in collaboration with visit such Institutions and industries of repute, both at the National and theState levels, as the Geological Survey of India, the Central Ground WaterBoard, the Bihar State Disaster Management Authority, the Mahaveer CancerSansthan and Research Centre, the Office of the Superintendent Engineer of theSouth Bihar Power Distribution Company Ltd, the Hindustan Media Venture Ltd.,the State Rays Edutech Pvt Ltd. etc.

Beside this, college organises various social activity programmes like Swacch Bharat Abhiyan, Jal jeevan Hariyali etc. to sensitize students towards environmental and social issues.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

00

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

00

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	No File Uploaded

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/

NCC/ Red Cross/ YRC etc., during the year

00

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

00

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	No File Uploaded
Any additional information	No File Uploaded

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

00

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

An enormous and well-planned infrastructure has been a conspicuous strength of Patna Science College which encompasses six U. G. Departments, out of which three namely Chemistry, Geology and Physics are functioning in their separate buildings; Botany and Zoology share a huge two storey Biology Block building while Mathematics is located in the Administrative Block. Each Department has sufficient numbers of lecture theatres, preparation rooms, well equipped laboratories, individual faculty rooms, common staff-room, conference rooms, ICT enabled class rooms with laptop/desktop, LCD projector, printer and scanner, Departmental Libraries etc. The campus also houses a rich College Library, Incubation Centre, Gymnasium Hall, Boys and Girls Common Rooms, Parking Space, Playground, Herbal Gardens etc. There is a separate building to accommodate vocational courses of the college such as B.C.A., Biotechnology and and Environmental Science. Being a college solely devoted to the study of pure and applied sciences, the College is endowed with rich laboratories with the best equipment for conducting practical of all kinds. The Department of Chemistry of the College exists in a two-storeyed building. It accommodates a workshop, Applied Chemistry laboratory, laboratories for students, museum, lecture theatre, store room, oil gas plant, facility of water and electricity. The Department of Physics has been structured in such a way that some rooms are well-lit, some are partly-lit while some of them are totally dark even in day time. For the purpose of Spectroscopy research such rooms are needed. The ground floor has many research rooms, a museum of instruments, a departmental library and big reading halls. The Department of Geology along with teaching theory and practical takes recourse to field visit and survey every year. There is a well equipped air-conditioned auditorium with the seating capacity of 175 people. The Department of Botany has its sprawling campus of six acres which also includes the Botanical Garden. The UGC has declared the department to be the centre of excellence for the study in Cytogenetics. The Department of Zoology is housed in the Ground Floor of the Biology Building of Science College. Departmental Library, Electron Microscopy Laboratory, Dark Room, Museum, Store and Research Laboratories of Physiology and Biochemistry, Cytology, Environmental Biology, Fish & Fisheries and Instrumentation Centre are located in the same building. The Library of the College stocks a huge collection of excellent Text and Reference books, national

and international journals, magazines, newspapers. It has access to e-resources (e-journals, e-books etc) such as provided by INFLIBNET (NLIST). It has access to World e-book Library, South Asian Archives provided by E-Shodh Sindhu as a part of NDL. The College has also developed Anti-Plagiarism mechanism in accordance with the guidelines of Patna University Anti-Plagiarism Policy 2018. The College has a fully Wi-fi Campus. Annual publication of College Journal (JPSC) and College Magazine (Navnirman) is a salient feature of this college. There is a separate Examination Hall with the seating capacity of 400 students. Ramps are available at required places for differently abled people.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.patnasciencecollege.ac.in/

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

To realize the motto of 'a sound body has a sound mind', the founders of Patna Science College provided a large space for a play ground (175X125 meter square) and for a gymnasium hall (25x20 meter square) right since its inception in the year 1928. Thus, the College lays emphasis on mental as well as physical development of students by encouraging them to participate in various indoor and outdoor activities. The Athletics Club of the College organizes annual sports meet between the months of December and February every year. The organization of this event and overwhelming participation of students, faculty members and staff add a new color to the ambience of the College. The playground is used for games such as Cricket, Football, Volleyball, Kabaddi, Track and Field events while the Gymnasium Hall is used for indoor events such as Badminton, Carom, Chess, Table-Tennis etc. Teacher-student cricket match is a special feature of this event. Inter-college cricket matches and University level competitions are organized on the Patna Science College playground. Yoga is an integral part of various camps organized by the NSS and lectures on the philosophy of Yoga are held from time to time. Every year on the 21st of June International Yoga Day is celebrated on the College campus with great enthusiasm. There is a rich tradition of organizing cultural and co-curricular activities on the campus. For the execution of such programs bodies such as 'Natya Kala Parishad', 'Vaad-Vivaad Samiti' (Debating Society), 'Bangla Saahitya Sammelan', 'Hindi Sahitya Parishad', Bazm-

e-Sukhan' have been formulated. The Departments of English and Hindi taking all the stakeholders of the College along have always taken meaningful steps in this direction. In the last one year, the College has commemorated the birth anniversaries of such great litterateurs of our nation as Rabindranath Tagore and Munshi Premchand, whose contributions towards decolonizing, modernizing and enriching the literatures and languages they have written in, are considered among the best in the world. When it comes to break the shackles of both physical and psychological colonization through language and literature, the subcontinent has shown the path to the world, and the UNESCO has declared 21 February of each year as the 'International Mother Tongue Day'. The College has made itself a party to this project of decolonization by observing 'Matribhasha Divas' on campus. On the occasion of 'Hindi Pakhwaada' a poetry recitation program was organized jointly by the Departments of English and Hindi. In addition, the College is committed to nurturing human and democratic values among students through such activities as speech competitions, debate, poster competitions among many others.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.patnasciencecollege.ac.in/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

6

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

3

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

4694248

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Patna Science College is Library under the process of Automation. The college has one spacious Central Library with collection of approximately 65000 books. It has a rich collection of the text books, reference books, encyclopaedias, dictionaries, Fiction, Non Fiction and general reading of competitive exam etc. It has collective of biographies of the Players, Scientists, Politicians, Socialists and other eminent personalities.Central Library has also a good collection of rare books, manuscripts special report etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	http://www.patnasciencecollege.ac.in/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

B. Any 3 of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

37900

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	No File Uploaded

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

As part of the Chief Minister 7 Nischay project, Department of Information Technology, Government of Bihar has provided internet connectivity using Wi-Fi network in the campus of Government Universities, Constituent Colleges. It provides hotspot based Wi-Fi internet service (secured & filtered) with indoor as well as outdoor

access point on the campus. In this regard M/s L&T has been awarded the contract by BSEDC for providing a comprehensive solution towards Supply, Installation, Testing, Commissioning, Management and Maintenance of Wi-Fi services on the campus. So, Patna Science College maintains its Wi-Fi and IT facilities under this scheme. At the beginning of the academic year, a needful assessment for replacement / upgradation / addition of the existing IT infrastructure is carried out on the basis of the suggestions from the Heads of the Departments, students' grievances and after reviewing the course requirements. One computer lab has been set up in the college with latest configurations. All the computers in the labs are connected with Wi-Fi facility and the Lab remains open throughout the working hours for staff and students. Wi-Fi connectivity is also available on the entire college campus. Computer systems are upgraded on periodic basis and necessary softwares are installed and updated as and when needed. Vocational department (BCA) looks after the IT related issues. Repair and updation of computers, UPS, are done on as per need basis by calling local service centre. The maintenance of computer, networking and upgradation is done by local vendor. The college website is monitored and updated from time to time by the computer Centre / BCA of the college. The college has a plan to upgrade the internet bandwidth as latest teaching methods demand the usage of elearning resources like INFLIBNET (NLIST) etc. and to make the teaching learning process more interactive and effective.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.patnasciencecollege.ac.in

4.3.2 - Number of Computers

80

File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution

C.10 - 30MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

849324

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The physical facilities including Laboratories, Classrooms and Computers etc. are made available for the students who are admitted in the college. The students seek admission to desired courses including a laboratory curriculum so, they are charged for the laboratory expenses at the time of the admission as suggested by the University. In addition to that, as per requirements, Heads of Departments receive monetary assistance from the office of the Principal for the maintenance of laboratories and classrooms. The maintenance and the cleaning of the classrooms and the laboratories are done with the efforts of the non-teaching class-IV staff. The college garden is maintained by the gardeners appointed by the institution. The Gymnasium Hall is used for organizing cultural and other co-curricular activities after getting the approval of the Principal. The college has some computers with the internet connections and the utility softwares are distributed to different locales like office, laboratories, library, departments etc. All the

stakeholders have equal opportunity to use those facilities as per the rules and the policies of the institution. The purchasing of items for the college is done by the approval of the Purchase Committee. All financial matters are approved by the Bursar and the Principal of the college.Vendor supplying the computers and other apparatus are required to maintain them during period of guarantee and after this local service centre are called on as per requirement. The ICT Smart Class Rooms, CCTV surveillance and the related systems are maintained by local service centre. The college website is maintained regularly with the help of local vendors. Electrical and the Plumbing related maintenance works are done with the help skilled persons appointed and the expenditure is done from budget gained by college from different sources. Academic and Support Facilities Accession to library is permitted to all students as college charges library fee from students. A provision of the budget for the library maintenance is made by the college management. The activities like fumigation and keeping library clean are done frequently by library staff.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.patnasciencecollege.ac.in

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

17

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	No File Uploaded

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

C. 2 of the above

File Description	Documents
Link to institutional website	http://www.patnasciencecollege.ac.in
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	No File Uploaded

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

00

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

00

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	No File Uploaded

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

C. Any 2 of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

0

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	No File Uploaded

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

99

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	No File Uploaded

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

01

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

00

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	No File Uploaded

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

00

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

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, extramural 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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

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 prform 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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

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 prform 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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Our perspective 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.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

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 prform 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.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	No File Uploaded

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

D. Any 1 of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The College takes care that the employees can comfortably connect with the Institution. Giving advance amount in case of emergency to the teaching and nonteaching staff is one of such measures that can facilitate the humanitarian goals of the Institution. Maternity and paternity leaves are granted to the employees according to the norms of the Patna University. The employees of the Patna Science College get healthcare benefits according to the Govt norms. Patna University Central Dispensary extends free medical support to the staff and the students of the College. The staff of the College are entitled to get Pension and other post-superannuation benefits, like the Gratuity and the Provident Fund and loan facilities from the Provident Fund according to the norms set by the University and the Govt of Bihar. The College honors the current teachers and students on special achievements. The College also invites and honors the former teachers and distinguished alumni to the campus at moments of cultural functions. In many cases, the non-teaching staff of the college are provided with office uniform according to the provisions and norms. Additional need-based financial support is provided to the faculty members under emergency conditions after due consideration in the Staff Council meetings.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

0

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	No File Uploaded

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

02

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	No File Uploaded

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

At the end of the service book of every financial year, the cash-book and other relevant registers in the accounts section is checked and audited at internal level. The bursar of the college takes care of the income and expenditure. The cash-registered is compared with bank statement and any anomaly is sorted out Moreover audit is conducted by private auditor also. The objections by the auditor are complied. The cashier of the college keeps record of various incomes and sends the amount collected from different sources to the bank. Overall there is a transparent mechanism of financial operations functional in the college even though there is a need of automation of the accounts section of the college. The proposal for office automation is likely to be sent very soon to the University.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during

the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

00

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

No such fund or grant was received during the financial year 2020-21.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

- 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

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

E. None of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Nil

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

E. None of the above

File Description	Documents
Geo tagged Photographs	No File Uploaded
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system

Hazardous chemicals and radioactive waste management

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 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 . 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.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	Nil
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

E. None of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

E. None of the above

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

File Description	Documents
Geo tagged photos / videos of the facilities	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

E. None of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-

E. None of the above

reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The college has conducted several programs for providing an inclusive environment. It has taken various initiatives for promoting tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities. As per the mandate of the college to facilitate women's education, there is a fee concession for female students in admissions and hostel. As per the nation-wide jurisdiction of the university, the students from diverse regional and cultural backgrounds have been benefitting.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Patna Science college undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens.

Every year Republic day is Celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence day is also celebrated every year to highlight struggle of freedom and importance of Indian constitution

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

E. None of the above

File Description	Documents
Code of ethics policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Our college is on a mission towards better India by breaking the boundaries of religion and caste. Thoughts of great Indian personalities sowed into the young minds through the exhibitions and programs conducted on these days. The institution practices pluralist approach towards all religion functions and encourages the students and faculty to showcase the same. Every year our institute organizes the national festivals and birth / death anniversaries of

the great Indian personalities. Staff and students get to know the importance of national integrity in the country in general and their role in it in particular.

1. 26th January Republic Day - Republic Day is celebrated every year on January 26 to commemorate the adoption of our constitution. Various formal events including flaghoisting and march-past are organized on this day.

2. 15th August Independence Day - It is celebrated every year on August 15, and is a grand event marked with the flag hosting by the Chief Guest and well-practiced march-past by many teams of Science college. Cultural activities related to independence movement are exhibited.

3. 5 th September (Dr. Sarvpalli Radha Krishnan Birth Anniversary) - On 5th September, we celebrate Dr. Radhakrishnan's birthday as Teacher's Day with great fervor. The students organize a program for the teachers.

4. 2 nd October Mahatma Gandhi Birth Anniversary - Gandhi Jayanti is praised in our Institute on 2nd October of consistently to celebrate the birth commemoration of Mahatma Gandhi. The day is announced as a national occasion and all institutes and workplaces are closed on this celebration. The standards of truth, peacefulness and trustworthiness are recalled and generally plugged among the students of the institute.

5. 31st October Ekata Divas(Birth Anniversary of Sardar Patel) - It is celebrated as National Unity Day.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

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.

File Description	Documents
Best practices in the Institutional web site	No File Uploaded
Any other relevant information	No File Uploaded

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 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. As an educational institution the emphasis lies on imparting education in the most effective manner. To attain this classes are regularly conducted with sincerity and theoretical teaching is adequately supplemented with practical laboratory sessions and tutorials. 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. 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.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The College offers 10 UG Science Programs out of which 7 Programs are of conventional Courses Hons. in Physics, Chemistry, Botany, Geology, Zoology, Mathematics, Statistics 3 UG Programs in Vocational / Professional Courses B.Sc. (Computer Applications) B.Sc. (Bio-Technology) & B.Sc. (Environmental Science) Under Self Financed Scheme. As college is a constituent unit of Patna University, Patna, it follows the course curriculum designed and developed by Patna University. The college designs its own curricular delivery plan and its effective implementation model at the beginning of each academic year. The machanism is designed and developed in a meticulous manner to encourage participative and lifelong learning. The programme and course outcomes define the learning level of the students in terms of knowledge, skills, values and capabilities. The college continuously seeks to enhance its students' behavioural, leadership and teamwork skills through various activities, events and various developments from time to time. The Lesson Plans for each course prepared by the concerned teachers clearly divides the entire course content into short cycle units planning to inform, engage and motivate the students. The pedagogy includes assignments, projects, class presentations, class tests and seminars, self-assessment tests, house exam, group discussions and quizzes. Faculty members maintains academic progress diary regularly which reflects the coverage of the planned lessons. The Provide maximum enrichment and to make learning more productive and interesting, opportunities are provided to the students to establish partnership with communities through various clubs and societies where students learn crucial life skills; develop formative competency and emphatic positive behaviour. The college undertakes various programmes to involve the students in social initiatives such as Gender Sensitization, Environment Consciousness and Human Values and Professional Ethics. To enable information and digital literacy, Computer awareness Programmes for students teaching & non-teaching faculty are organised by the BCA department very often. Further, the college is based on the framework of outcome based-education system, as each course revolves around well-defined learning outcomes. The IQAC encourages the 360 degree

feedback mechanism and takes necessary action to implement it.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://www.patnasciencecollege.ac.in/

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

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.

File Description	Documents
Upload relevant supporting documents	No File Uploaded
Link for Additional information	http://www.patnasciencecollege.ac.in/

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

C. Any 2 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

01

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data

requirement for year: (As per Data Template)

02

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	No File Uploaded

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

00

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

00

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The college undertakes variousprogrammes to involve the students in social initiatives such as GenderSensitization, Environment Consciousness and Human Values and ProfessionalEthics.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

10

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

42

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	D. Any 1 of the above

File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://www.patnasciencecollege.ac.in

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

60

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

611

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Nil

File Description	Documents
Link for additional Information	Nil
Upload any additional information	No File Uploaded

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
Nil	Nil

File Description	Documents
Any additional information	No File Uploaded

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The college aims to provide all kinds of supports of support to the students. Being a Constituent unit of Patna University non profits institution, the fees are charged by the college as per the government rules and regulations, which is very minimal for boys and totally free for girls student. The college publishes a guidebook "Nidheshika" and updates its website to provide guidance and important information to the incoming students, containing various aspects of the College, courses and instruction. College regularly publishes "Journal of Science" and college Magazine "Navnirman" which provides platform for students as well as faculty members to portray their creativity and innovations in their concerned areas. The SC, ST, BC-I and Minorities students are given scholarship (fee waiver) by the

Bihar State Welfare Department. The College has established a Career Counseling and Placement Cell, with objective to provide career guidance and placement opportunities to students. An unregistered Alumni Association of the College exists. One of the alumni of the Geology Dept. (an ex- M.P) has contributed money from his M.P. Area Development Fund for the construction of an auditorium and a geology museum. Alumus of this college Cine Star former MP Mr. Shatrughan Sinha contributed from his MP quota for the contribution of PVC Patna to connect all the departments. The College has a very distinguished list of alumni occupying important positions in various fields including the present Chief Minister and Deputy Chief Minister, Politicians, IAS officers, ViceChancellors, academicians and educationalists etc. The association should become active in mobilizing resources for the development of the College. Sports facilities are available to the students. Gymnasium, Yoga and Meditation Centre, Indoor and outdoor games are available in the campus. The College students have given ample scope for their cultural activities and have cultural club called "Natya Kala Parishad".

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The teachers are using ICT toolswhile imparting knowledge to the students. The WiFi scheme supported by theGovernment of Bihar is being fully utilized by the students and facultymembers. Faculties are imparting their teachings through smart board,projector and e-learning resources.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

12.3

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

24

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

22

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

13

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

At the end of year, the Collegeconducts examination following the Centralized Evaluation System designed byPatna University, Patna. As a part of Continuous Internal Evaluation, variousdepartments of the College regularly conducts remedial tests, surprise tests,quiz, group discussions etc to facilitate smooth transfer of the knowledge tobe imparted. The assignments given to the students at the practical sessionsare continuous evaluated by the teachers.The following are some important features of the continuousinternal evaluation process of the College. The notifications and reforms fromthe University are duly notified by the Principal to all the faculty membersand also displayed on Notice Board and website. Internal Assessment record isshown to the students and performance are discussed. All thegrievances/discrepancies in the internal assessment records are taken up theExamination Committee and forwarded to the concerned teacher. Seminars,technical paper presentation and Case Studies are introduced in the curriculumto make the environment activity based. To refine the critical thinking amongstudents, various group discussions, debates, seminars, workshops etc., areorganized in which students explore new ideas and thus enhances theirperformance levels.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The assignments given to the students at the practical sessionsare continuous evaluated by the teachers.Seminars,technical paper presentation and Case Studies are introduced in the curriculumto make the environment activity based. To refine the critical thinking amongstudents, various group discussions, debates, seminars, workshops etc., areorganized in which students explore new ideas and thus enhances theirperformance levels.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The College offers 10 UG Science Programs out of which 7 Programs are of conventional Courses Hons. in Physics, Chemistry, Botany, Geology, Zoology, Mathematics, Statistics 3 UG Programs in Vocational / Professional Courses B.Sc. (Computer Applications) B.Sc. (Bio-Technology) & B.Sc. (Environmental Science) Under Self Financed Scheme. As college is a constituent unit of Patna University, Patna, it follows the course curriculum designed and developed by Patna University. The college designs its own curricular delivery plan and its effective implementation model at the beginning of each academic year. The machanism is designed and developed in a meticulous manner to encourage participative and lifelong learning. The programme and course outcomes define the learning level of the students in terms of knowledge, skills, values and capabilities. The college continuously seeks to enhance its students' behavioural, leadership and teamwork skills through various activities, events and various developments from time to time. The Lesson Plans for each course prepared by the concerned teachers clearly divides the entire course content into short cycle units planning to inform, engage and motivate the students. The pedagogy includes assignments, projects, class presentations, class tests and seminars, self-assessment tests, house exam, group discussions and quizzes. Faculty members maintains academic progress diary regularly which reflects the coverage of the

planned lessons. The Provide maximum enrichment and to make learning more productive and interesting, opportunities are provided to the students to establish partnership with communities through various clubs and societies where students learn crucial life skills; develop formative competency and emphatic positive behaviour. The college undertakes various programmes to involve the students in social initiatives such as Gender Sensitization, Environment Consciousness and Human Values and Professional Ethics. To enable information and digital literacy, Computer awareness Programmes for students teaching & non-teaching faculty are organised by the BCA department very often. Further, the college is based on the framework of outcome based-education system, as each course revolves around well-defined learning outcomes. The IQAC encourages the 360 degree feedback mechanism and takes necessary action to implement it.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

During the semester and at the end of year, the Collegeconducts examination following the Centralized Evaluation System designed byPatna University, Patna. As a part of Continuous Internal Evaluation, variousdepartments of the College regularly conducts remedial tests, surprise tests,quiz, group discussions etc to facilitate smooth transfer of the knowledge tobe imparted. The assignments given to the students at the practical sessionsare continuous evaluated by the teachers.Seminars,technical paper presentation and Case Studies are introduced in the curriculumto make the environment activity based. To refine the critical thinking amongstudents, various group discussions, debates, seminars, workshops etc., areorganized in which students explore new ideas and thus enhances theirperformance levels.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

483

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

http://www.patnasciencecollege.ac.in

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

00

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	No File Uploaded

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

00

File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

07

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

11

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

03

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	No File Uploaded

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

In consonance with the vision and mission of the Patna Science College, thethrust of the Institution is to impart multi-dimensional and holistic development with special focus on community service through NSS and NCC along with nurturing human values contributing towards thenation and the society. Being one of the oldest premier institutions, theCollege has witnessed a glorious journey and contributed richly to the field ofscience. The Institution aims at providing the youth with an education ofscience by incorporating endeavors to create an environment which generates alove of learning, a habit of critical thinking and ability for accurateexpression. Keeping in mind the specific needs for the curricula, field visits, internshipsand hands-on

trainings are undertaken by the College in collaboration with visit such Institutions and industries of repute, both at the National and theState levels, as the Geological Survey of India, the Central Ground WaterBoard, the Bihar State Disaster Management Authority, the Mahaveer CancerSansthan and Research Centre, the Office of the Superintendent Engineer of theSouth Bihar Power Distribution Company Ltd, the Hindustan Media Venture Ltd.,the State Rays Edutech Pvt Ltd. etc.

Beside this, college organises various social activity programmes like Swacch Bharat Abhiyan, Jal jeevan Hariyali etc. to sensitize students towards environmental and social issues.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

00

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

00

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	No File Uploaded

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

00

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

00

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	No File Uploaded
Any additional information	No File Uploaded

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

00

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

An enormous and well-planned infrastructure has been a conspicuous strength of Patna Science College which encompasses six U. G. Departments, out of which three namely Chemistry, Geology and Physics are functioning in their separate buildings; Botany and Zoology share a huge two storey Biology Block building while Mathematics is located in the Administrative Block. Each Department has sufficient numbers of lecture theatres, preparation rooms, well equipped laboratories, individual faculty rooms, common staff-room, conference rooms, ICT enabled class rooms with laptop/desktop, LCD projector, printer and scanner, Departmental Libraries etc. The campus also houses a rich College Library, Incubation Centre, Gymnasium Hall, Boys and Girls Common Rooms, Parking Space, Playground, Herbal Gardens etc. There is a separate building to accommodate vocational courses of the college such as B.C.A., Biotechnology and and Environmental Science. Being a college solely devoted to the study of pure and applied sciences, the College is endowed with rich laboratories with the best equipment for conducting practical of all kinds. The Department of Chemistry of the College exists in a two-storeyed building. It accommodates a workshop, Applied Chemistry laboratory, laboratories for students, museum, lecture theatre, store room, oil gas plant, facility of water and electricity. The Department of Physics has been structured in such a way that some rooms are well-lit, some are partly-lit while some of them are

totally dark even in day time. For the purpose of Spectroscopy research such rooms are needed. The ground floor has many research rooms, a museum of instruments, a departmental library and big reading halls. The Department of Geology along with teaching theory and practical takes recourse to field visit and survey every year. There is a well equipped air-conditioned auditorium with the seating capacity of 175 people. The Department of Botany has its sprawling campus of six acres which also includes the Botanical Garden. The UGC has declared the department to be the centre of excellence for the study in Cytogenetics. The Department of Zoology is housed in the Ground Floor of the Biology Building of Science College. Departmental Library, Electron Microscopy Laboratory, Dark Room, Museum, Store and Research Laboratories of Physiology and Biochemistry, Cytology, Environmental Biology, Fish & Fisheries and Instrumentation Centre are located in the same building. The Library of the College stocks a huge collection of excellent Text and Reference books, national and international journals, magazines, newspapers. It has access to e-resources (e-journals, e-books etc) such as provided by INFLIBNET (NLIST). It has access to World e-book Library, South Asian Archives provided by E-Shodh Sindhu as a part of NDL. The College has also developed Anti-Plagiarism mechanism in accordance with the guidelines of Patna University Anti-Plagiarism Policy 2018. The College has a fully Wi-fi Campus. Annual publication of College Journal (JPSC) and College Magazine (Navnirman) is a salient feature of this college. There is a separate Examination Hall with the seating capacity of 400 students. Ramps are available at required places for differently abled people.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.patnasciencecollege.ac.in/

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

To realize the motto of 'a sound body has a sound mind', the founders of Patna Science College provided a large space for a play ground (175X125 meter square) and for a gymnasium hall (25x20 meter square) right since its inception in the year 1928. Thus, the College lays emphasis on mental as well as physical development of students by encouraging them to participate in

various indoor and outdoor activities. The Athletics Club of the College organizes annual sports meet between the months of December and February every year. The organization of this event and overwhelming participation of students, faculty members and staff add a new color to the ambience of the College. The playground is used for games such as Cricket, Football, Volleyball, Kabaddi, Track and Field events while the Gymnasium Hall is used for indoor events such as Badminton, Carom, Chess, Table-Tennis etc. Teacher-student cricket match is a special feature of this event. Inter-college cricket matches and University level competitions are organized on the Patna Science College playground. Yoga is an integral part of various camps organized by the NSS and lectures on the philosophy of Yoga are held from time to time. Every year on the 21st of June International Yoga Day is celebrated on the College campus with great enthusiasm. There is a rich tradition of organizing cultural and co-curricular activities on the campus. For the execution of such programs bodies such as 'Natya Kala Parishad', 'Vaad-Vivaad Samiti' (Debating Society), 'Bangla Saahitya Sammelan', 'Hindi Sahitya Parishad', Bazm-e-Sukhan' have been formulated. The Departments of English and Hindi taking all the stakeholders of the College along have always taken meaningful steps in this direction. In the last one year, the College has commemorated the birth anniversaries of such great litterateurs of our nation as Rabindranath Tagore and Munshi Premchand, whose contributions towards decolonizing, modernizing and enriching the literatures and languages they have written in, are considered among the best in the world. When it comes to break the shackles of both physical and psychological colonization through language and literature, the subcontinent has shown the path to the world, and the UNESCO has declared 21 February of each year as the 'International Mother Tongue Day'. The College has made itself a party to this project of decolonization by observing 'Matribhasha Divas' on campus. On the occasion of 'Hindi Pakhwaada' a poetry recitation program was organized jointly by the Departments of English and Hindi. In addition, the College is committed to nurturing human and democratic values among students through such activities as speech competitions, debate, poster competitions among many others.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.patnasciencecollege.ac.in/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

6

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

3

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

4694248

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Patna Science College is Library under the process of Automation. The college has one spacious Central Library with collection of approximately 65000 books. It has a rich collection of the text books, reference books, encyclopaedias, dictionaries, Fiction, Non Fiction and general reading of competitive exam etc. It has collective of biographies of the Players, Scientists,

Politicians, Socialists and other eminent personalities.Central Library has also a good collection of rare books, manuscripts special report etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	http://www.patnasciencecollege.ac.in/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

B. Any 3 of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

37900

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	No File Uploaded

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

As part of the Chief Minister 7 Nischay project, Department of Information Technology, Government of Bihar has provided internet connectivity using Wi-Fi network in the campus of Government Universities, Constituent Colleges. It provides hotspot based Wi-Fi internet service (secured & filtered) with indoor as well as outdoor access point on the campus. In this regard M/s L&T has been awarded the contract by BSEDC for providing a comprehensive solution towards Supply, Installation, Testing, Commissioning, Management and Maintenance of Wi-Fi services on the campus. So, Patna Science College maintains its Wi-Fi and IT facilities under this scheme. At the beginning of the academic year, a needful assessment for replacement / upgradation / addition of the existing IT infrastructure is carried out on the basis of the suggestions from the Heads of the Departments, students' grievances and after reviewing the course requirements. One computer lab has been set up in the college with latest configurations. All the computers in the labs are connected with Wi-Fi facility and the Lab remains open throughout the working hours for staff and students. Wi-Fi connectivity is also available on the entire college campus. Computer systems are upgraded on periodic basis and necessary softwares are installed and updated as and when needed. Vocational department (BCA) looks after the IT related issues. Repair and updation of computers, UPS, are done on as per need basis by calling local service centre. The maintenance of computer, networking and upgradation is done by local vendor. The college website is monitored and updated from time to time by the computer Centre / BCA of the college. The college has a plan to upgrade the internet bandwidth as latest teaching methods demand the usage of elearning resources like INFLIBNET (NLIST) etc. and to make the teaching learning process more interactive and effective.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.patnasciencecollege.ac.in

4.3.2 - Number of Computers

80

File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution	C.10 - 30MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

849324

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The physical facilities including Laboratories, Classrooms and Computers etc. are made available for the students who are admitted in the college. The students seek admission to desired courses including a laboratory curriculum so, they are charged for the laboratory expenses at the time of the admission as suggested by the University. In addition to that, as per requirements, Heads of Departments receive monetary assistance from the office of the Principal for the maintenance of laboratories and classrooms. The maintenance and the cleaning of the classrooms and the laboratories are done with the efforts of the non-teaching class-IV staff. The college garden is maintained by the gardeners appointed by the institution. The Gymnasium Hall is used for organizing cultural and other co-curricular activities after getting the approval of the Principal. The college has some computers with the internet connections and the utility softwares are distributed to different locales like office, laboratories, library, departments etc. All the stakeholders have equal opportunity to use those facilities as per the rules and the policies of the institution. The purchasing of items for the college is done by the approval of the Purchase Committee. All financial matters are approved by the Bursar and the Principal of the college.Vendor supplying the computers and other apparatus are required to maintain them during period of guarantee and after this local service centre are called on as per requirement. The ICT Smart Class Rooms, CCTV surveillance and the related systems are maintained by local service centre. The college website is maintained regularly with the help of local vendors. Electrical and the Plumbing related maintenance works are done with the help skilled persons appointed and the expenditure is done from budget gained by college from different sources. Academic and Support Facilities Accession to library is permitted to all students as college charges library fee from students. A provision of the budget for the library maintenance is made by the college management. The activities like fumigation and keeping library clean are done frequently by library staff.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	http://www.patnasciencecollege.ac.in

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

17

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	No File Uploaded

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	C. 2 of the above

File Description	Documents
Link to institutional website	http://www.patnasciencecollege.ac.in
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	No File Uploaded

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

00

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

00

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	No File Uploaded

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	C. Any 2 of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

0

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	No File Uploaded

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

99

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	No File Uploaded

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State

government examinations) during the year

01

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

00

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	No File Uploaded

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

00

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

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, extramural 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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs)	E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

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 prform 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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

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 prform 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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Our perspective 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.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

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 prform 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.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	No File Uploaded

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	D. Any 1 of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The College takes care that the employees can comfortably connect with the Institution. Giving advance amount in case of emergency to the teaching and nonteaching staff is one of such measures that can facilitate the humanitarian goals of the Institution. Maternity and paternity leaves are granted to the employees according to the norms of the Patna University. The employees of the Patna Science College get healthcare benefits according to the Govt norms. Patna University Central Dispensary extends free medical support to the staff and the students of the College. The staff of the College are entitled to get Pension and other post-superannuation benefits, like the Gratuity and the Provident Fund and loan facilities from the Provident Fund according to the norms set by the University and the Govt of Bihar. The College honors the current teachers and students on special achievements. The College also invites and honors the former teachers and distinguished alumni to the campus at moments of cultural functions. In many cases, the non-teaching staff of the college are provided with office uniform according to the provisions and norms. Additional need-based financial support is provided to the faculty members under emergency conditions after due consideration in the Staff Council meetings.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

0

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	No File Uploaded

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

02

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	No File Uploaded

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

At the end of the service book of every financial year, the cash-book and other relevant registers in the accounts section is checked and audited at internal level. The bursar of the college takes care of the income and expenditure. The cash-registered is

compared with bank statement and any anomaly is sorted out Moreover audit is conducted by private auditor also. The objections by the auditor are complied. The cashier of the college keeps record of various incomes and sends the amount collected from different sources to the bank. Overall there is a transparent mechanism of financial operations functional in the college even though there is a need of automation of the accounts section of the college. The proposal for office automation is likely to be sent very soon to the University.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

00

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

No such fund or grant was received during the financial year 2020-21.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

- 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

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of	E. None of the above

Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Nil

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	E. None of the above

File Description	Documents
Geo tagged Photographs	No File Uploaded
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

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 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 . 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.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	Nil
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling	E. None of the above

Maintenance of water bodies and distribution system in the campus	

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. **Restricted entry of automobiles** 2. **Use of Bicycles/ Battery powered vehicles** 3. **Pedestrian Friendly pathways** 4. **Ban on use of Plastic** 5. **landscaping with trees and plants**	E. None of the above

File Description	Documents
Geo tagged photos / videos of the facilities	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	E. None of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	**E. None of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	**No File Uploaded**
Policy documents and information brochures on the support to be provided	**No File Uploaded**
Details of the Software procured for providing the assistance	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The college has conducted several programs for providing an inclusive environment. It has taken various initiatives for promoting tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities. As per the mandate of the college to facilitate women's education, there is a fee concession for female students in admissions and hostel. As per the nation-wide jurisdiction of the university, the students from diverse regional and cultural backgrounds have been benefitting.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Patna Science college undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens.

Every year Republic day is Celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence day is also celebrated every year to highlight struggle of freedom and importance of Indian constitution

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	E. None of the above

File Description	Documents
Code of ethics policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Our college is on a mission towards better India by breaking the boundaries of religion and caste. Thoughts of great Indian personalities sowed into the young minds through the exhibitions and programs conducted on these days. The institution practices pluralist approach towards all religion functions and encourages the students and faculty to showcase the same. Every year our institute organizes the national festivals and birth / death anniversaries of the great Indian personalities. Staff and students get to know the importance of national integrity in the country in general and their role in it in particular.

1. 26th January Republic Day - Republic Day is celebrated every year on January 26 to commemorate the adoption of our constitution. Various formal events including flaghoisting and march-past are organized on this day.

2. 15th August Independence Day - It is celebrated every year on August 15, and is a grand event marked with the flag hosting by the Chief Guest and well-practiced march-past by many teams of Science college. Cultural activities related to independence movement are exhibited.

3. 5 th September (Dr. Sarvpalli Radha Krishnan Birth Anniversary) - On 5th September, we celebrate Dr. Radhakrishnan's birthday as Teacher's Day with great fervor. The students organize a program for the teachers.

4. 2 nd October Mahatma Gandhi Birth Anniversary - Gandhi Jayanti is praised in our Institute on 2nd October of consistently to celebrate the birth commemoration of Mahatma Gandhi. The day is announced as a national occasion and all institutes and

workplaces are closed on this celebration. The standards of truth, peacefulness and trustworthiness are recalled and generally plugged among the students of the institute.

5. 31st October Ekata Divas(Birth Anniversary of Sardar Patel) - It is celebrated as National Unity Day.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

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.

File Description	Documents
Best practices in the Institutional web site	No File Uploaded
Any other relevant information	No File Uploaded

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 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. As an educational institution the emphasis lies on imparting education in the most effective manner. To attain this classes are regularly conducted with sincerity and theoretical teaching is adequately supplemented with practical laboratory sessions and tutorials. 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. 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.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the 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.