

PATNA SCIENCE COLLEGE, PATNA



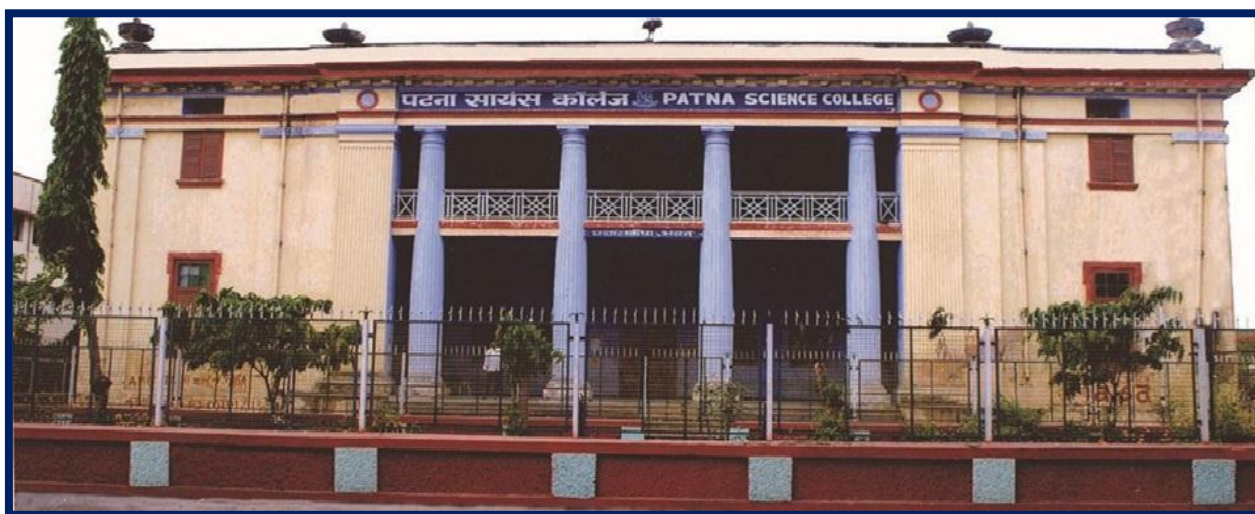
Estd.: 1927

ANNUAL QUALITY ASSURANCE REPORT (AQAR)

For the Academic Year (July 2016 – June 2017)

Prepared by

Institutional Quality Assurance Cell



**1st Cycle NAAC Accredited Institution with Grade 'B++'
(Score 81.35) Feb. 2007**

Submitted
to

NAAC

**National Assessment and Accreditation Council
Bangalore**

Brief Profile of the College :

Patna Science College, a constituent unit of Patna University, was established in 1927, Initially it was opened as the Science Department of Patna University. It began functioning independently from 1928 when its foundation stone was laid by Lord Irwin on 15 November 1928. Since then Patna Science College has been recognized as a Premier Institution of higher learning in science stream in India. The College is centrally located in Patna, the capital of Bihar, occupying an area of approximately 28.32 acres of land containing separate blocks for different science departments. The College offers B.Sc. Honours in Botany, Chemistry, Geology, Mathematics, Physics, Statistics and Zoology. Apart from the usual Professional course under self-financing scheme that include B.Sc. Honours in Biotechnology, B.Sc. Honours in Computer Applications – popularly known as BCA course, B.Sc. Honours in Environmental Science. Though primarily a science teaching institute, Patna Science College has always had a full-fledged language teaching unit comprising Hindi and English Department right since its inception. Each department also has facilities for conducting research in respective subjects. The College has great legacy and has been striving continuously to maintain and improve it. It has been the breeding ground for the future scientists, researchers and administrators. It can boast of distinguished alumni holding very high positions in diverse field of Science, Medicine, Engineering, Banking, Administration, etc. in India and abroad.

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. The teachers and encouraged to attend refresher and orientation course and workshops conducted by Patna University to enhance their knowledge and skills. Seminars, Workshops and lectures by eminent experts are regularly conducted by the college. Besides other supportive measures like provision of journals. Books, magazines and teaching-learning tools are extended to the teachers for effective implementation of the curriculum. The teachers and encouraged to adopt innovative methods such as the use of power point presentations, role play, quizzes, worksheets, student presentations etc. They are also encouraged to use audio-visual aids to enhance teaching-learning process. Curricular and co-curricular events are organised on essay writing competitions, poster making competitions and film screenings are some examples of such events. Besides regular classroom teaching, tutorials, practicals, class tests, projects, assignments, workshops and seminars are designed and conducted. It arranges industrial and institutional visits, interactive sessions with professionals, experts and scholars. The college follows a system of informal feedback from the students and implements corrective measures, wherever required. Feedback from students helps to improvise teaching methods.

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year (for example 2010-11)

July 2016 – June 2017

I. Details of the Institution

1.1 Name of the Institution

PATNA SCIENCE COLLEGE

1.2 Address Line 1

ASHOK RAJPATH

Address Line 2

PATNA

City/Town

PATNA

State

BIHAR

Pin Code

800005

Institution e-mail address

Principal.sciencecollegepatna@gmail.com,
pscpatna@gmail.com

Contact Nos.

9430032893

Name of the Head of the Institution:

Dr. Sudhir Kumar Srivastava

Tel. No. with STD Code:

0612-2678010

Mobile:

9431044485

Name of the IQAC Co-ordinator:

Dr. Atul Aditya Pandey

Mobile:

9430253960

IQAC e-mail address:

iqac.pscp@gmail.com

1.3 NAAC Track ID (For ex. MHC0GN 18879)

BRC0GN12915

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC/41/01

Dated : 10th Feb. 2007

1.5 Website address:

<http://www.patnasciencecollege.org/>

Web-link of the AQAR:

www.patnasciencecollege.org/IQAC/aqar_2018.pdf

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

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B++	Institution Score-81.35	2007	Jan. 2012
2	2 nd Cycle	--	--	--	--
3	3 rd Cycle	--	--	--	--
4	4 th Cycle	--	--	--	--

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

08 Sept. 2012

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR 15/05/2015 (DD/MM/YYYY)
- ii. AQAR 10/05/2016 (DD/MM/YYYY)
- iii. AQAR 20/05/2017 (DD/MM/YYYY)
- iv. AQAR _____ (DD/MM/YYYY)

1.9 Institutional Status

University

State Central Deemed Private

Affiliated College

Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University (for the Colleges)

Patna University, Patna

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and
community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders:

No.

Faculty

Non-Teaching Staff Students

Alumni

Others

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

Yes

No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos.

International

National

State

Institution Level

(ii) Themes

1. Faculty Development Program "Teaching Methodology with ICT & Case Based Learning" (organised by IQAC)
2. "Prem Chand" (Dept. of Hindi)
3. National Symposium on 'Emerging Trends in Chemistry - Fundamentals and Applications' (Dept. of Chemistry)

2.14 Significant Activities and contributions made by IQAC

1. Motivated all faculty members to organise local seminars, debates and group discussion, which resulted as dept. of English, Botany & Geology organised Institutional level symposia in academic year 2016-17.
2. Prepared Detail Project Report for RUSA to upgrade our college as Model Degree College.
3. Prepared AISHE database.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Development of Infrastructure	<ul style="list-style-type: none">• Renovation of Seminar Hall & Staff Room.• Two separate blocks of Wash-Rooms are built exclusively for girls students.• Solid Waste Management facility developed in College Campus.
Emphasis on improvement in Teaching Learning methodology	<ul style="list-style-type: none">• IQAC prepared an Academic Calendar in tune of academic Calendar of University academic activities to be conducted within defined time frame i.e by the end of academic year i.e June 2017.• Advised all the dept. Head to prepare proposed Lesson plan of the topics allotted to the concerned teachers.• All the dept. Heads are advised to get maintain the academic progress diary by all the concerned subject teachers as per time table.• Dept. heads are advised to organise different types of extra-curricular activities such as, seminars symposia, workshop on soft skill developments, Quizes, Group – Discussion, etc. Heads are advised to organise atleast one such activity in their concerned dept. by end

	<p>of academic year 2016-17.</p> <ul style="list-style-type: none"> Faculty members of all departments motivated to submit proposals to UGC and other funding agencies to obtain Research Projects.
Strengthening Students' Grievance Redressal Cell	<ul style="list-style-type: none"> Special efforts were made for the coordination and awareness about Grievance Redressal Cell by regular interaction with Students, Display Boards regarding rules and regulations ensuring Anti Ragging Campus for all and should be contained in the prospectus of college.
Providing impetus to research activities	<ul style="list-style-type: none"> Research activities going on with different faculty members in different departments.
Reinforcement of regular feedback system from all the stakeholders	<ul style="list-style-type: none"> Feedback from students and parents are invited and accordingly followed for the sake of betterment.
Reformation of suggestion box department wise	<ul style="list-style-type: none"> It is practiced regularly with the help of class test, terminal exam, sentup test, students' seminar, Quiz and various competitions.

** Attach the Academic Calendar of the year as Annexure.*

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

- | |
|---|
| <ul style="list-style-type: none"> The Action Plans were discussed and implemented by Institutional Quality Assurance Cell. |
|---|

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	--	--	--	--
PG	--	--	--	--
UG	10	--	--	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	--	--	--	--
Total	10	--	--	--
Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	--
Trimester	---
Annual	10 UG Courses

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

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

**Please provide an analysis of the feedback in the Annexure*

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

N/A

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

NO

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
29	09	15	05	

2.2 No. of permanent faculty with Ph.D.

29

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
09	61	15		05				29	61

2.4 No. of Guest and Visiting faculty and Temporary faculty

34

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended		08	--
Presented papers		08	--
Resource Persons			

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

- **Use of ICT in teaching**
- **Presentation and Interactive sessions of students**
- **Guest Lectures**
- **English Communication Skill training programs at Department of English.**
- **Organizing and participation in seminars / conferences and workshops**

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

180

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

Internal assessment & Evaluation of Students are done by the department informally.

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

05

2.10 Average percentage of attendance of students

75%

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.Sc. (Sc.) (H)	346	10	60	30		92

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

- **IQAC motivates departmental heads to prepare strategic academic lesson plan at the beginning of academic year with help of subordinate teachers of their allotted papers.**
- **Advise all faculty member to maintain their academic progress diary as per time-table.**
- **Advise to incorporate group discussion and other extracurricular activities in their academic plan.**
- **To ensure effective teaching learning IQAC collects feedback from students and feedbacks are analysed.**
- **Remedial measures were suggested on the basis of feed fact.**

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	02
UGC – Faculty Improvement Programme	--
HRD programmes	--
Orientation programmes	--
Faculty exchange programme	--
Staff training conducted by the university	--
Staff training conducted by other institutions	--
Summer / Winter schools, Workshops, etc.	--
Others	--

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	14	12	--	03
Technical Staff	32	10	--	--

Criterion – III

3. Research, Consultancy and Extension

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

- IQAC promotes faculty members to register Ph.D. degrees. Special leaves are sanctioned for course work, conferences and seminars.
- Strong research promotion cell has already been constituted with a convenor and other members under IQAC of the college intending to promote a congenial research climate and all major and minor projects which have to be routed through this cell.

3.2 Details regarding major projects

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

3.3 Details regarding minor projects

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

3.4 Details on research publications

	International	National	Others
Peer Review Journals	--	29	--
Non-Peer Review Journals	--	--	--
e-Journals	--	--	--
Conference proceedings	--	--	--

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

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

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges

Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	--	--	--	--	03
Sponsoring agencies	--	--	--	--	Self funding College

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	/
	Granted	
International	Applied	
	Granted	
Commercialised	Applied	
	Granted	

3.17 No. of research awards/ recognitions received by faculty and research fellows

Total	International	National	State	University	Dist	College
-------	---------------	----------	-------	------------	------	---------

year

--	--	--	--	--	--	--

 Of the institute in the

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

15

10

3.19 No. of Ph.D. awarded by faculty from the Institution

03

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)
JRF

x

 SRF

x

 Project Fellows

x

 Any other

x

3.21 No. of students Participated in NSS events: **NSS events organised of college level during Academic year : July 2016 – June 2017.**

Sl. No.	Date	Details of Activities organised by NSS
1.	13.09.2016	Training session organised on online Cashless Transaction 200 (Two Hundred) Students participated.
2.	21.01.2017	400 NSS Volunteers participated in Human chain organised by Bihar State Govt. to aware local habitants about prohibition from consumption of Liquors & Tobacco.
3.	25.01.2017	Voters' awareness programme organised. About 200 (Two Hundred Students participated).
4.	26.03.2017	Special NSS Camp organised in adopted slum area and Several events were conducted : ➤ Provided awareness about 'Consequences of Liquors and Tobacco use' ➤ Trained the slum dwellers about technique to manage mental stress. ➤ Conducted survey about literacy rate among women habitants of dalits community in the adopted slum.
6.	21.06.2017	'International Yoga Diwas' Celebrated in College Campus.

University level

--

 State level

--

National level

--

 International level

--

3.22 No. of students participated in NCC events:

University level	<input type="text" value="--"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.23 No. of Awards won in NSS:

University level	<input type="text" value="--"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.24 No. of Awards won in NCC: **There is no any unit of NCC functional in College.**

University level	<input type="text" value="--"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.25 No. of Extension activities organized : **10**

University forum	<input type="text" value="02"/>	College forum	<input type="text" value="08"/>		
NCC	<input type="text"/>	NSS	<input type="text" value="✓"/>	Any other	<input type="text"/>

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

- **NSS Annual Comp.**
- **Tress plantation organised on occasion of Van Mahotasav in the around the College Campus.**
- **Workshop on dalit women empowerment organised in adopted Slum area.**
- **Cleanness drive organised on the public places.**

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	28.32 Acres	--	--	--
Class rooms	10	--	--	10
Laboratories	12	01	--	13
Seminar Halls	01	--	--	01
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	--	--	--	--
Value of the equipment purchased during the year (Rs. in Lakhs)	--	--	--	--
Others	--	--	--	--

4.2 Computerization of administration and library

- **The College is getting access to e-resources through INFLIBNET (N-List) a programme entitled 'National Library and Information Services infrastructure for scholarly Contents.**
- **Computerisation of Students Administration, Accounts and establishment section is in pipeline.**
- **Online Admission process implemented.**

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	57098					
Reference Books	12902					
e-Books						
Journals						
e-Journals						
Digital Database						
CD & Video						
Others (specify)						

4.4 Technology up gradation (overall)

	Total	Computer	Internet	Browsing	Computer	Office	Depart-	Others

	Computers	Labs		Centres	Centres		ments	
Existing	100	04	Campus Wi-Fi enable	--	01	--	--	--
Added	--	--	--	--	--	--	--	--
Total	100	04	--	--	01	--	--	--

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

1. **Workshop organised on PPT preparation for taking Classes using smart-board conducted by det. Of Botany.**
2. **Conduct one day training programme on Internet browsing & creating e-mail ID for students.**
3. **Workshop organised on how to use computer in day to day official works to non-teaching secretarial staff of college.**

4.6 Amount spent on maintenance in lakhs :

i) ICT	--
ii) Campus Infrastructure and facilities	----
iii) Equipments	---
iv) Others	---
Total :	---

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

1. Students are motivated to participate and utilize the facilities of sports (Indoor & outdoor games) in College. To do practice and participate in different tournaments organised by university and other forums.
2. Library advisory committee has been constituted to look-after the issues related to library services and accordingly report to IQAC.
3. Psycho Social counseling done through psycho social committee constituent to handle the issues of students suffering from some type of mental distress due to family, personal or social problems.
4. Anti-Ragging committee has been constituted to look-after the problem of ragging in the campus.

Systematic collection of feedback from students on issues related to available support services has been initiated by IQAC with objective of enhancing the quality of support services in the college. All information regarding the students support services are incorporated in the prospectus with the help of IQAC that enables students to get acquainted with such services at the time of admission.

5.2 Efforts made by the institution for tracking the progression

College organizes farewell event to outgoing students of (B.Sc Final) and during farewell event teachers of the concerned dept. organizes the counseling session for further career options and also seeks opinion of the students regarding their further career options. Records are kept and this reflects the quantum of students progression to higher studies.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
525	--	--	--

(b) No. of students outside the state

100

(c) No. of international students

00

Men	No	%	Women	No	%
	430	82		95	18

No	%
95	18

Last Year

This Year

General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
261	80	05	176	--	522	263	84	05	173	--	525

Demand ratio : 1:1

Dropout % : 18%

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

- **Subject specialization seminar organised.**
- **Soft skills : Personality Development Programme Conducted**
- **Remedial Coaching : Coaching Scheme for entry into service [CES] for the schedule castes, schedule Tribes, OBC and Minorities.**
- **Tutoring and grievance system are functional.**
- **Career counseling and placement opportunities are guided by professional counselors.**
- **Special lectures by experts of certain fields such as Banking, Railway, Public Administration are organised for the benefit of Students.**

No. of students beneficiaries

425

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	<input type="text"/>	CAT	<input type="text"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	UPSC	<input type="text"/>	Others	<div style="border: 1px solid black; padding: 5px;"> SSC – 05 Rly. – 08 Police - 06 </div>

5.6 Details of student counselling and career guidance

College has a functional students' career Counseling & Placement Cell with a Convenor and various issues related to students (academic/non-academic/job related/socio-psychological) are effectively dealt with help of professional, if necessary: Experts are invited to provide counseling in different areas such as psychological problems, health and nutrition, legal and career placement. Soft-Skill development Group Discussion Sessions and general study classes are organised on regular basis. Remedial coaching classes are organised for SC/ST/OBC students through the scheme of UGC under XIth Plan. The Career counseling and placement cell keeps in regular touch with the relevant companies and agencies and appraise the students about them through e-mail or by putting upon the notice boards.

No. of students benefitted

250

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
--	--	--	125

5.8 Details of gender sensitization programmes

- 1. A workshop on legal rights of women was organised in college with half of advocates with expertise in law women.**
- 2. A workshop on ‘ill effects of early marriage of girls’ organised, parents of students were also invited to participate in the work-shop.**
- 3. Sexual Harassment and legal provision and awareness programme organised by IQAC.**
- 4. Self-Defence sessions for girls students organised.**
- 5. Women empowerment Cell regularly conducts gender sensitization programmes.**

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution		
Financial support from government		
Financial support from other sources		
Number of students who received International/ National recognitions		

- **Bihar State Govt. has implemented free education to girls students upto graduation level from academic year 2016-17. Admission of girls are awarded on zero balance.**

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

- **Students organises Teachers' Day Celebrations & farewell to final year outgoing students at College Level.**

5.12 No. of social initiatives undertaken by the students

02

5.13 Major grievances of students (if any) redressed:

- **Students are guided the process of rectifying the errors in their final university results.**

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION STATEMENT:

Our vision 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 society. Through innovative teaching, research, skill-development and the 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 STATEMENT:

- 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 establish harmony in society by upholding the ideals of the Republic of India enshrined in the Constitution.

6.2 Does the Institution has a management Information System

Institution is working on implementation of effective MIS

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

6.3.1 Curriculum Development

Since Constituent College of Patna University, Patna (Bihar), we follow the curriculum prescribed by the university. Our senior teachers wrote to academic council of univ. for upgradation of syllabus.

6.3.2 Teaching and Learning

The coordinator of IQAC invites the heads' in meeting with the Principal for suggestion in the development of institution. As the coordinator is in live contact with each department, teacher and student, he/she is able to analyze & understand the needs of institution, teachers and students.

- To ensure effective Teaching –Learning the College provides all necessary teaching aides required by the Departments.
- Teachers are motivated to participate in faculty development programme regularly.
- At the commencement of the academic session Departments are requested to prepare academic calendar & lesson plan.
- Departments conduct mid- term test, home assignments etc.
- Students are given exposure for experiential learning through educational excursions, field trip etc.
- Remedial classes for slow learners.

6.3.3 Examination and Evaluation

Continuous assessment of students through regular internal test - Class test, Terminal Exam, Sent-up Test, Viva voce, Quiz at college level and annual examination at university level at the end of the session as per the university norms. Evaluation process is transparent and students' grievances like scrutiny of any error of result are entertained

6.3.4 Research and Development

- Research Promotion Cell has been constituted to monitor and encourage research related work.
- Library is updated, e-books and e-journal are made accessible to the faculty through National Digital Library
- Most of the faculty members are research supervisor.
- Students are motivated and guided for research work.
- Laboratories facilities are enriched by equipment regularly keeping research work in priority.

6.3.5 Library, ICT and physical infrastructure / instrumentation

AQAR-2

- Library space measures 1500 sq. mt; seating capacity – 100
- Total No of Books : 70,000 and Titles of Book : 7500 no of Journals : 05 Daily News papers : 06.
- Member of INFLIBNET N-List a UGC digital library consortium.

6.3.6 Human Resource Management

All faculty members are involved in different activities of college.
- Self-appraisal to evaluate the performance of the teaching faculty
- Feedback from students to enhance the effectiveness of the faculty

6.3.7 Faculty and Staff recruitment

Permanent faculty members are recruited as per the state govt. policy, by Bihar University Service Commission or Bihar Public Service Commission. Temporary/Adhoc/ Part-time teachers are engaged on per class basis by college through its advisory committee.

6.3.8 Industry Interaction / Collaboration

There is no formal Industry interactions collaborations in place.

6.3.9 Admission of Students

Students are admitted as per the norms defined by the Patna University, Patna (Bihar) on merit of eligibility exam and State government reservation policy.

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • Employee Benefit Fund
Non teaching	<ul style="list-style-type: none"> • Facilities for Advance, Loan, Cooperative Society etc.
Students	<ul style="list-style-type: none"> • Bihar State Govt. has implemented free education to girls students upto graduation level from academic year 2016-17. Admission of girls are awarded on zero balance. • Remedial Coaching Classes (RCC) at Undergraduate Level for Scheduled Castes, Scheduled Tribes, OBC, minority communities and poor students. • Coaching Scheme for Entry into Services (CES) for Scheduled Castes, Scheduled Tribes, OBC, minority communities and poor students.

6.5 Total corpus fund generated

NIL

6.6 Whether annual financial audit has been done

Yes No

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

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

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes

Yes No

For PG Programmes

Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

N/A

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

N/A

6.11 Activities and support from the Alumni Association

The Alumni Meet is organised once a year, for all around development of the Alumni Association and the College.

6.12 Activities and support from the Parent – Teacher Association

Strengthening the dept. by the suggestion/ demand as per the need of their ward through PTA meeting.

6.13 Development programmes for support staff

- **Computer training for class III staff work training for non-teaching staff (Class IV).**
- **Staff room**
- **Vehicle parking**
- **Canteen**
- **Internet cafe**
- **Safe drinking water etc**

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

- **To make arrangement for green campus, Plantation are done on regular basis under Botanical Society of college collaboration of department of forest, Govt. of Bihar.**
- **Dust bin are kept for collecting wastes, a Vermin culture plant has been constructed for biodegradable wastes.**
- **Minimum light during night is used for protecting Bird habitats.**
- **Awareness programme is done by students' central society for saving electrical energy in campus.**
- **Debates and lectures on environment are organised by NSS & Dept. Of Botany for awareness of students.**
- **College use LED and CFL bulbs, Solar Lap predominantly.**
- **Nukkad Natak organised time to time in the college premises to spread the concept of environment consciousness.**

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- **Orientation for the newly inducted students.**
- **Academic progress of students monitored jointly by Parent – Teacher meetings.**
- **Psycho-Socio Cell has been set up to help students resolve various problems pertaining to academics, emotional relationships, mental stress due to family, social or health issues.**
- **ICT training given to Class III Staff.**
- **The internal Continuation evolution introduced.**
- **Suggestions on innovative actions are invited from the students by the authority for its implementation where necessary.**

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

- **Two separate blocks of Wash-Rooms are built exclusively for girls students.**
- **IQAC prepared an Academic Calendar in tune of academic Calendar of University academic activities to be conducted within defined time frame i.e by the end of academic year i.e June 2017.**

AQA

- **Advised all the dept. Head to prepare proposed Lesson plan of the topics allotted to the concerned teachers.**
- **All the dept. Heads are advised to get maintain the academic progress diary by all the concerned subject teachers as per time table.**
- **Dept. heads are advised to organise different types of extra-curricular activities such as, seminars symposia, workshop on soft skill developments, Quizes, Group –**

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

- **Empowerment of Women through Quality Education – through financial aid, Psycho-socio counseling and adaptive policies.**
- **Democratic and Participative Management.**

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

- **To make arrangement for green campus, Plantation are done on regular basis under Botanical Society of college collaboration of department of forest, Govt. of Bihar.**
- **Dust bin are kept for collecting wastes.**
- **Minimum light during night is used for protecting Bird habitats.**
- **Awareness programme is done by students' central society for saving electrical energy in campus.**
- **Debates and lectures on environment are organised by NSS & Dept. Of Botany for awareness of students.**
- **College use LED and CFL bulbs, Solar Lap predominantly.**
- **Nukkad Natak organised time to time in the college premises to spread the concept of environment consciousness.**

7.5 Whether environmental audit was conducted? Yes No

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

<p>Institutional Strengths</p>	<ul style="list-style-type: none"> • Caters to the Education needs of the local population of category ST/SC/OBC in abundance. • The college has a dedicated teaching & non teaching staff who is managing the Institution against all odds. • Institutional Social Commitments are fulfilled through active participation in outreach activities under piloting of NSS. • Library with good collection of standard books and journals including research journals. • Teachers regularly participates in seminars, workshops and conferences to get updated on the changing trends in education and related areas. • The principal personally interacts with the students of each department in regular manner to get their problems, if any, and solve. • The principal seek advice from guardians, students, local socialites, employers regarding betterment of teaching and learning quality during interaction with them, which is organized on regular basis. • Women harassment and ragging free campus.
<p>Institutional Weakness</p>	<ul style="list-style-type: none"> • Girl's Hostel not available. • Acute shortage of permanent teaching and non-teaching staff no appointment has been done since last 10 years. • Due to non-availability of dedicated Examination hall classes are adversely affected during examination period. • There is a need for more vocational and Add-on courses and better placement opportunities in the college. • The college needs more autonomy and financial support in order to develop with good pace.
<p>Institutional Opportunities</p>	<ul style="list-style-type: none"> • There is ample scope for technical /vocational courses at PG level to be started in the college so as to make it a better centre of learning & placement. • There are ample opportunities to incorporate ICT & e-learning and other modern methods of education. • Ample scope for starting post graduate and research programmes as a good number of teachers posses research degrees. • UGC offering number of grants. • Safe campus for girls. • Open door policy – Decentralization of duties
<p>Institutional Challenges</p>	<ul style="list-style-type: none"> • Improve upon communication skill and develop global competencies especially among our rural based students. • Efforts to pull out/change mind set of conservative parents and students.

	<ul style="list-style-type: none"> • Increase financial availability. • Aptitude of girls for Co-educational colleges. • To use the low student-teacher ratio to full so that infrastructure is completely and effectively utilized. • Poor schooling of the students and lack of basic knowledge about the subjects create problem in progress of the curriculum. • To achieve academic excellence utilizing the services of resource persons and ad-hoc teachers. • Encouraging research attitude among faculty and students. • To develop ICT skill among students. • Mushrooming of non standard educational / professional institutions in surrounding areas.
--	--

8. Plans of institution for next year

S. No.	Plan of action for 2017-18
1	Development of Infrastructure.
2	Emphasising Inclusiveness in education.
3	Rejuvenating Student's Grievance Redressal Cell.
4	Introducing new Professional Courses at PG level.
5	Providing impetus to research activities.
6	Initiating Faculty Development Programme.
7	To develop a systematic waste management System.
8	Reinforcement of regular feedback system from all the stakeholders.
9	Renovation and up-gradation of sick room.
10	To develop a nursery in the campus.
11	Implementation of suggestion box department wise.
12	Reformation of students' Academic Performance Evaluation scheme at departmental level.
13	Promoting tour facilities to students for environmental, social and onsite study.
14	Enhancing teaching learning process by using ICT.
15	Automation of Admission system.
16	Emphasis on collaboration with Industry.
17	Strengthening e-resources in the Library

— AQ/ **Dr. Atul Aditya Pandey**
Co-ordinator, IQAC

— 3ihar) **Dr. Sudhir Kumar Srivastava**
(Principal.-In-Charge), Chairperson, IQAC

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission
