

# PATNA SCIENCE COLLEGE, PATNA



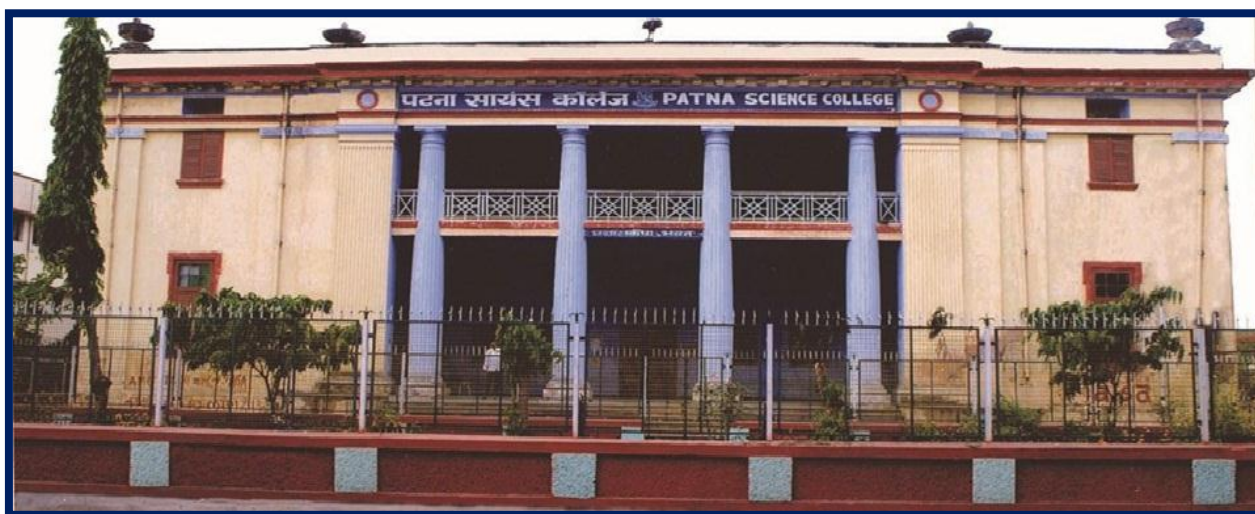
Estd.: 1927

## ANNUAL QUALITY ASSURANCE REPORT (AQAR)

For the Academic Year (July 2015 – June 2016)

Prepared by

**Institutional Quality Assurance Cell**



**1<sup>st</sup> 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 2015 – June 2016

### 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](mailto:Principal.sciencecollegepatna@gmail.com),  
pscpatna@gmail.com

Contact Nos.

9430032893

Name of the Head of the Institution:

Dr. Upendra Kishore Sinha

Tel. No. with STD Code:

0612-2678010

Mobile:

Name of the IQAC Co-ordinator:

Prof. M N Sinha

Mobile:

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 : 10<sup>th</sup> 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 <sup>st</sup> Cycle	<b>B++</b>	<b>Institution Score-81.35</b>	<b>2007</b>	<b>Jan. 2012</b>
2	2 <sup>nd</sup> Cycle	--	--	--	--
3	3 <sup>rd</sup> Cycle	--	--	--	--
4	4 <sup>th</sup> 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 \_\_\_\_\_ (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)

NO

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	<input type="text" value="-----"/>	UGC-CE	<input type="text" value="-----"/>
UGC-Special Assistance Programme	<input type="text" value="-----"/>	DST-FIST	<input type="text" value="-----"/>
UGC-Innovative PG programmes	<input type="text" value="-----"/>	Any other ( <i>Specify</i> )	<input type="text"/>
UGC-COP Programmes	<input type="text" value="-----"/>		

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	<input type="text" value="11"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="--"/>
2.3 No. of students	<input type="text" value="-----"/>
2.4 No. of Management representatives	<input type="text" value="--"/>
2.5 No. of Alumni	<input type="text" value="02"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="--"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="-----"/>
2.8 No. of other External Experts	<input type="text" value="--"/>
2.9 Total No. of members	<input type="text" value="13"/>
2.10 No. of IQAC meetings held	<input type="text" value="03"/>
2.11 No. of meetings with various stakeholders:	No. <input type="text" value="03"/> Faculty <input type="text" value="02"/>
Non-Teaching Staff	<input type="text" value="01"/>
Students	<input type="text" value="01"/>
Alumni	<input type="text" value="01"/>
Others	<input type="text" value="--"/>
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If yes, mention the amount	<input type="text" value="-----"/>

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  **2**

(ii) Themes

- 1. Preparation for NAAC Reaccreditation – State Level**
- 2. SMART board Operations**

2.14 Significant Activities and contributions made by IQAC

- **The IQAC plays an active role in internalizing a culture of quality within the institution. This culture is maintained and sustained by several initiatives taken by the Cell through the year.**
- **The IQAC has been involved in preparing many reports highlighting the activities of the college. Capacity building programs were regularly organized for both teaching and non-teaching staff.**
- **The IQAC, through its activities, invited renowned academicians for discussion, introduction of ICT Teaching Learning in the institution ensuring efficient performance of academic and administrative tasks.**

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
Library Up-gradation	<ul style="list-style-type: none"> <li>• Reading room facility for boys &amp; girls as well as faculty separately</li> <li>• Internet facility with library was provided and expanded</li> <li>• Improvement in attendance in library</li> </ul>
Lab Up gradation	<ul style="list-style-type: none"> <li>• Lab equipment purchased</li> <li>• Lab work improved for science teaching</li> <li>• Labs renovated.</li> </ul>
Workshop on ICT for faculties	<ul style="list-style-type: none"> <li>• 20 Teachers attended, IT &amp; Computer science managed the workshop for short term training in ICT and internet use</li> </ul>

\* 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

- To encourage the Depts. to keep to the time frame with regards to planned activities.
- To increase academic exchange programme with various MoUs.
- To update information with regard to students attendance and performance.
- To encourage the students to keep their environment clean.
- To increase consultancy and collaboration.
- Feedback on Teaching Learning from the students.

## 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	<b>10</b>	--	--	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	--	--	--	--
<b>Total</b>	<b>10</b>	--	--	--
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	<b>10 UG Courses</b>

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

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
<b>29</b>	<b>09</b>	<b>15</b>	<b>05</b>	

2.2 No. of permanent faculty with Ph.D.

**23**

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
<b>09</b>	<b>61</b>	<b>15</b>		<b>05</b>				<b>29</b>	<b>61</b>

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		<b>11</b>	<b>05</b>
Presented papers		<b>11</b>	<b>02</b>
Resource Persons			

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

- ❑ Introduction of ICT enabled teaching learning.
- ❑ Guest Lectures
- ❑ Use of Smart Class rooms
- ❑ Group Discussion, Quiz
- ❑ Use of Multi-media.
- ❑ Debates
- ❑ Study Tours.
- ❑ Regular use of I.C.T in classroom teaching.
- ❑ Ball and Flexible stick model has been regularly utilised for representing various organic molecules especially for stereochemistry and solid state.

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

175

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

00		
----	--	--

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>B.Sc. (Sc.) (H)</b>	<b>360</b>	<b>07</b>	<b>60</b>	<b>25</b>		<b>87</b>

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

- The IQAC periodically conducts sessions to explore avenues to enhance teacher's effectiveness through professional skill development training programs.
- The College encourages research, Publications, paper presentations and participation in international/national/regional workshops, Conferences and symposia.
- Senior faculty and administrative heads discuss future plans of the Institution and

prepare a road map for quality assurance and enhancement.

- The IQAC Coordinator undertakes periodical review of Testing and evaluation patterns, encourage creativity, originality and analytical thinking. Faculty Members are motivated to design contemporary, skill based and value-added courses.

***Review of the functioning of the various units of the College is a part of quality enhancement/sustenance measures such as:***

- ***Feedback from students on Teacher's performance.***
- ***Maintains academic events through regular meetings.***
- ***Monitors the performance of various committees in the college.***
- ***Submits advice for developments regarding the overall teaching-learning process.***
- ***Takes feedback from the outgoing students.***
- ***Overall performance of the college is discussed by IQAC.***

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	--
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	<b>14</b>	<b>12</b>	--	<b>03</b>
Technical Staff	<b>32</b>	<b>10</b>	--	--

## Criterion – III

### 3. Research, Consultancy and Extension

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

**A Research Advisory Committee supervises research related activities, suggests improvements and helps faculty members to meet their requirements by coordinating with the principal. IQAC provides inputs to the RAC and the faculties.**

#### 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	--	--	--
Non-Peer Review Journals	--	--	--
e-Journals	--	--	--
Conference proceedings	--	<b>03</b>	--

#### 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	--	--	--	--	<b>05</b>
Sponsoring agencies	--	--	--	--	<b>Self funding College</b>

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

Of the institute in the year

Total	International	National	State	University	Dist	College

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

15

03

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

02

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:

University level	<input type="checkbox"/> 10	State level	<input type="checkbox"/> --
National level	<input type="checkbox"/> --	International level	<input type="checkbox"/> --

3.22 No. of students participated in NCC events:

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

3.23 No. of Awards won in NSS:

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

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

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

3.25 No. of Extension activities organized

University forum	<input type="checkbox"/>	College forum	<input checked="" type="checkbox"/>		
NCC	<input type="checkbox"/>	NSS	<input checked="" type="checkbox"/>	Any other	<input type="checkbox"/>

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

- Teaching/Sanitation works in slum areas

## 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	<b>28.32 Acres</b>	--	--	--
Class rooms	<b>15</b>	--	--	<b>15</b>
Laboratories	<b>15</b>	--	--	<b>15</b>
Seminar Halls	<b>01</b>	--	--	<b>01</b>
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

**Computerization of Cash section of the has been taken up**

#### 4.3 Library services:

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

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	<b>100</b>	<b>03</b>	<b>Campus Wi-Fi enable</b>	--	<b>01</b>	--	--	--

Added	--	--	--	--	--	--	--	--
Total	<b>100</b>	<b>03</b>	--	--	<b>01</b>	--	--	--

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

**Training was provided to selected teachers and students.**

4.6 Amount spent on maintenance in lakhs :

i) ICT	----
ii) Campus Infrastructure and facilities	-----
iii) Equipments	----
iv) Others	----
<b>Total :</b>	-----



## Criterion – V

### 5. Student Support and Progression

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

**IQAC stresses upon the principle of student support system as it believes in the fact that the students may not obtain their full potential till they are provided a good supporting base that caters to them in all respects ranging from education and sports facilities to financial support. But, constrains of funds and provisions play its limiting role. However, IQAC is gradually taking up the issues with the management, institution, university and the state.**

#### 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	%
	420	80		105	20

No	%
105	20

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
263	84	05	173	--	525	265	82	05	173	--	525

Demand ratio : 1:1

Dropout % : 18%

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

Coaching for Bihar Public Service, UPSC, Banking services etc. exams. was carried out by the college.

No. of students beneficiaries

125

5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT   
 IAS/IPS etc  State PSC  UPSC  Others

SSC – 10  
 Rly. – 12  
 Police - 25

5.6 Details of student counselling and career guidance

**Counselling Cell carried out weekly regular sessions to provide career related suggestions and inputs to students that attended. These sessions are free and carried out by Career Counselling cell with experts from the college and outside**

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
--	--	--	155

5.8 Details of gender sensitization programmes

**Gender sensitization Cell was formed. The Cell had one meeting on principles and recommendations regarding GS.**

## 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		

	Number of students	Amount
Financial support from institution	-	-
Financial support from government	Welfare scholarships	To SC/ST students
Financial support from other sources	-	-
Number of students who received International / National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

- NSS students did take initiatives in regard to Slum children, Pollution issues and health care [Total: 11]

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

- N/A

## 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 write to academic council of univ. for upgradation of syllabus.**

### 6.3.2 Teaching and Learning

- **Promotion of IT based learning and Smart board aided teaching.**
- **Preparation of assignments and projects by students.**
- **Class seminars on relevant topics.**
- **Guest Lectures.**
- **The students are informed about the various open learning e-resources available, further relevant assignments are also given to students.**
- **Course related documentaries/audio visuals are shown to the students for better understanding.**
- **Field/Industrial visits for the students are organized to gain hands on experience.**
- **For improving soft skills and confidence building, the students are trained.**

### 6.3.3 Examination and Evaluation

- **Regular terminal examinations.**
- **Unit Tests after completion of each unit of the course of study.**
- **Updating of students performance to the parents during PTA Meet.**

#### 6.3.4 Research and Development

- Publication of Peer reviewed research journals .
- Annual Report records the publish of students in journal, magazines and newspapers.

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

- Broadband Internet facility and Wi-Fi connectivity.
- Usage of smart Boards.
- The departments provide list of relevant reference books, journals etc. on a yearly basis and thereafter the purchase is made by Central Purchase Committee. This ensures availability of recent and good quality books in the library.
- Library automation is under process.
- Regular up gradation of ICT and physical infrastructure is being done.

#### 6.3.6 Human Resource Management

- Capacity building programme for Non -Teaching Staff.
- Regular Staff meetings of Teaching and Non-Teaching Staff members.

#### 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.**

**Students are taken for visits to nearby industries and laboratories under the supervision of teachers.**

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"> <li>• <b>Employee Benefit Fund</b></li> </ul>
Non teaching	<ul style="list-style-type: none"> <li>• <b>Facilities for Advance, Loan, Cooperative Society etc.</b></li> </ul>
Students	<ul style="list-style-type: none"> <li>• <b>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.</b></li> <li>• <b>Remedial Coaching Classes (RCC) at Undergraduate Level for Scheduled Castes, Scheduled Tribes, OBC, minority communities and poor students.</b></li> <li>• <b>Coaching Scheme for Entry into Services (CES) for Scheduled Castes, Scheduled Tribes, OBC, minority communities and poor students.</b></li> </ul>

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	--	--	<b>Yes</b>	<b>IQAC</b>
Administrative	--	--	<b>Yes</b>	<b>IQAC</b>

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

- Capacity building workshop.
- Yoga classes.
- Fund created for loans.

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

- Development of Gardens.
- Planting trees, keeping the campus free from plastic and all kinds of wastage.
- Plantation of Medicinal plants.
- Garbage segregation.
- Rally and Cleanliness Drive.



## 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.

- 1. Work in Slums**
- 2. Blood donation camps**
- 3. Public extension services (Free clinical helps and tests)**

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

**Renovation works were taken up and finished in sports/indoor games complex and gymnasium. Renovation was done in all the departments.**

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

- 1. Plantation and solid waste disposal within college campus.**
- 2. Public extension activity**

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

#### 7.4 Contribution to environmental awareness / protection

**Two seminars were held**

- (i) Organic compost production and uses,**
- (ii) Sustainable living strategies**

7.5 Whether environmental audit was conducted? Yes  No

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

<b>Institutional Strengths</b>	The strength of the institution, as always, has been its teaching faculty which is one of the strongest in Bihar. As decided, complete ICT-enabled teaching- learning is the ultimate aim.
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#### **8. Plans of institution for next year**

<b>S. No.</b>	<b>Plan of action for 2018-19</b>
1	Expansion of Co-Curricular activities on the Campus.
2	Organising Inter-disciplinary Seminars.
3	Publication of College Journal.
4	Provision of safe drinking water in all teaching blocks.
5	Introduction of PG teaching in IT & Biotech.
6	Enrichment of Central & Departmental Libraries with latest books & Journals.

**Prof. M N Sinha**  
Co-ordinator, IQAC

**Dr. Upendra Kishore Sinha**  
(Principal.-In-Charge), Chairperson, IQAC

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*Signature of the Coordinator, IQAC*

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*Signature of the Chairperson, IQAC*

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**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

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