Patna Science College
Patna University
Patna 800005



Patna Science College
Annual Report
2023-2024

PART-A

Name of the College: **Patna Science College**

Report for the Period: **July 2023–June 2024**

I.About the College:-+

<table>
<tr><td>1</td><td>Name of the College</td><td colspan="2">Patna Science College</td><td>Date of Establishment</td><td>15th July 1927</td></tr>
<tr><td rowspan="6">2</td><td colspan="5">Information about the Principal</td></tr>
<tr><td>Name</td><td colspan="4">Prof.(Dr.) Devendra Nath Thakur</td></tr>
<tr><td>Contact No.</td><td colspan="4">8709161466</td></tr>
<tr><td>Telephone No.</td><td colspan="4">06122678010</td></tr>
<tr><td>Mobile Number</td><td colspan="4">+91-9934301788</td></tr>
<tr><td>Email ID</td><td colspan="4">principalpsc@patnauniversity.ac.in</td></tr>
<tr><td>3</td><td>Year of Establishment of the College</td><td>15th July 1927</td><td>Area (sq. meter)</td><td colspan="2">28.32 Acres</td></tr>
<tr><td rowspan="3">4</td><td colspan="2">Information about Accreditation</td><td>Accreditation Result</td><td colspan="2">Grade B</td></tr>
<tr><td>Date of Accreditation of the College</td><td>08th Jan 2020</td><td>CGPA</td><td colspan="2">2.16</td></tr>
<tr><td>Mention Dates of Meetings of IQAC</td><td></td><td colspan="3">Latest date of meeting
10th Jan 2024</td></tr>
<tr><td rowspan="2">5</td><td colspan="5">Vision of the College</td></tr>
<tr><td colspan="5">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 values, character and practices demanded of citizens to serve the nation and 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.</td></tr>
<tr><td rowspan="2">6</td><td colspan="5">Mission of the College</td></tr>
<tr><td colspan="5">To grow as the center 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</td></tr>
</table>

	enshrined in the Constitution.
7	**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 B.Sc. Honours courses, it also imparts teaching in various Self financed and Professional courses that include B.Sc. Honours in Bio-technology, B.Sc. Honours in Computer Applications – popularly known as BCA course, B.Sc. Honours in Environmental Science in CBCS system from 2019.Though primarily a science teaching institute, Patna Science College has always had a full-fledged language teaching unit and a Lab comprising Hindi and English Departments right since its inception. Each department also has facilities for conducting research in respective subjects. The College has a great legacy and has been striving continuously to maintain and improve it. It has been the breeding ground for the future scientists, researchers, administrator and Legislators.It can boast of distinguished alumni holding very high positions in diverse fields 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 Society in Present and Future. 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 are encouraged to attend refresher and orientation coursesconducted by Patna University,Academic staff College and anywhere in India to enhance their knowledge and skills. Seminars, workshops andlectures 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 are 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 organized on contemporary issues by the college. Seminars, conferences, debates, quizzes, 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.	
8	Two best practices of the College	
	i) Laboratory and field-based teachinglearning process, and regular evaluation using modern tools and analytical techniques for imparting knowledge to the younger generation. ii) Continuous efforts are made for the assimilation of science, technology and humanities with emphasis on human values for complete and all-round development of our students.	
9	Two distinctive features of the College	
	i) The College possesses Geological Museum ii) Regular investigation with other organizations involved in geo-scientific investigation. iii) Commemorating Birth/Death Anniversaries of Eminent Personalities. iv) We have high standard laboratory in ecology, environment, microbiology and biotechnology. v)Teachers work on molecules biology fisheries and invertebrates.	
10	Information/ initiatives about creation/transfer of knowledge	
	The students are involved in workshop, exhibition, quiz, poster and PPT presentations, photography competition, and frequent student seminars that promote substantial student-teacher interaction. Government of Bihar providesfinancial support to minoritySC and ST and OBCstudents.	
11	Special Initiatives for Environmental Sustainability	
	i) Rainwater harvesting iii) Plantation ii) LED Bulbs iv) Conservation of Water	
12	Special Initiative on use of alternative energy	
	i) Initial dialogue with the agencies providing solar power ii) Some solar Plates are installed	
13	Future plan of the College	
	a. Short Term	✓ CBCS implemented in 2022 with revised syllabus. ✓ Further upgradation of the existing laboratories, lecture halls and smart classes ✓ Have Wi-Fi connectivity to the staff and students ✓ Introduction of a Certificate Course on Language and Soft Skills ✓ Workshop in mushroom cultivation

	Medium Term	✓ Establishment of Geometrics Laboratory ✓ Procurement of modern field survey equipment ✓ Development of field museum.				
	Long Term	✓ Expansion of the building with modern petrological, paleontological and mineralogical laboratories ✓ Establishment of a Centre of research and outreach activities				
14	Programmes offered by the College	Level of programmes: Research Prog./ PG Degree/ PG Dip./ UG Degree/ UG Dip/ Add on Courses/ Certificate Courses				
	Name of the Programme	Level	Duration	Whether Annual/ Sem/ CBCS	Sanctioned Seats	Fee (Rs) Per Sem/ Year
	B. Sc. (Hons.) (Botany, Zoology, Mathematics, Statistics, Physics, Chemistry,Geology)	UG Degree	4 Yrs	Sem/CBCS	1980	**Sem-I:** Gen/BCI I – Rs. /-2655, BC I – Rs. 2655/-, SC/ST/Girls – Rs. 170/- **Sem-II,III,IV,V,VI,VII,VIII:** Gen/BCI I – Rs. 2605/-, BC I – Rs. 2605/-, SC/ST/Girls – Rs. 170/-
	B.Sc.(H) in Computer Applications	UG Degree	3 Yrs	Sem/CBCS	90	**SemI, II, III,IV,V, VI:**Rs. 13450/-
	B.Sc. in Biotechnology	UG Degree	3 Yrs	Sem/CBCS	90	**SemI:**Rs. 16120/- **Sem-II, III,IV,V, VI:**Rs. 14120/-

	B.Sc. in Environmental Sciences	UG Degree	3 Yrs	Sem/CBCS	90	**SemI:**Rs. 11020/- **Sem-II, III,IV,V, VI:**Rs. 10020/-
15	Information about **Teachers of UG department**					
S. No.	Name of the Teacher	Designation (P/AP/Asst. P)	Gender (M/F/O)	Reservation Category	Highest Qualification	Years of Service
I	Dr. D. N Thakur	p	M	GEN	Ph.D.	37
ii	Dr. Rabindra Kumar	P	M	EBC	Ph.D.	29
iii	Dr. P. C. Vaishyakiyar	AP	M	BCII	Ph.D.	35
iv	Dr. S. M. Mahboob Hassan	P	M	Minority	Ph.D.	19
v	Dr. Indra Narayan Singh	AP	M	BCII	D.Litt.	18
vi	Dr. Shankar Kumar	AP	M	GEN	Ph.D.	19
vii	Dr.Rohit Singh	AP	M	GEN	Ph.D	06
viii	Dr. Sanjay Kumar	Asst. P	M	BCII	Ph.D.	19
ix	Dr. Asha Kumari	AP	F	BCII	Ph.D.	19
x	Dr. Randhir Kumar	AP	M	BCII	Ph.D.	19
xi	Mrs. Seema Jamuar	AP	F	GEN	M.Sc.	29
xii	Dr. Dinesh Kumar	AP	M	BCII	Ph.D.	04
xiii	Dr.Anupam Anurag	AP	M	GEN	Ph.D	03
xiv	Dr. Priti Singh	Asst. P	F	GEN	Ph.D.	5
xv	Dr. Sovan Chakraborty	Asst. P	M	GEN	Ph.D.	5
xvi	Mr. Shekhar	Asst. P	M	GEN	M. Sc.	4
xvii	Mr. Prahlad Kr. Arya	Asst. P	M	SC	M. Sc.	4
xviii	Dr.Punam Ranjan	Asst. P	F	EBC	Ph.D.	3
xix	Dr. Babita Sharma	Asst. P	F	GEN	Ph.D.	3
xx	Dr. Priyanka Sharma	Asst. P	F	EBC	Ph.D.	3

xxi	Dr. Ranjana	Asst. P	F	GEN	Ph.D.	3
xxi	Dr. Akhilesh Kumar	Asst. P	M	BC-II	Ph.D.	3
16. A.	Information about: **Visiting Teachers**					
S. No.	Name of the Teacher	Designation (P/AP/Asst. P)	Gender (M/F/O)	Reservation Category	Highest Qualification	Years of Service
I	Dr. Santosh Prasad Gupta	Asst P	M	EBC	Ph.D.	5
Ii	Dr. Sandeep Kumar Garg	Asst P	M	GEN	Ph.D.	5
Iii	Dr Sanjay Kumar	Asst P	M	GEN	Ph.D.	5
Iv	Dr. Manoj Kumar Rastogi	Asst P	M	GEN	Ph.D.	4
V	Dr. Kumar Satyendra Yadav	Asst P	M	BCII	Ph.D.	5
Vi	Dr. Syed Mohammad Saalim	Asst P	M	GEN	Ph.D.	4
Vii	Mr. Bhavuk Sharma	Asst P	M	GEN	Ph.D.	5
viii	Dr. Sayema Jamal	Asst P	F	GEN	Ph.D.	5
Ix	Dr. Birendra Prasad	AP	M	GEN	Ph.D.	
Xi	Dr. Mithilesh Kumar Singh	Reader	M	GEN	Ph.D.	
Xii	Dr. Abhay Kumar	Reader	M	BCII	Ph.D.	
xiv	Dr. D. K. Verma	Reader	M	GEN	Ph.D.	
Xv	Dr. Rajneesh Kumar	Asst. P	M	BCII	Ph.D.	
xvi	Prof. Atul Aditya Pandey	P	M	GEN	Ph.D.	30
16. B.	Information about **Guest Faculty**					
S. No.	Name of the Teacher	Designation (P/AP/Asst. P)	Gender (M/F/O)	Reservation Category	Highest Qualification	Years of Service
I	Dr Ghanashyam Kumar	Asst. P	M	BC-I	Ph.D.	2.5
Ii	Tinku Kumar	Asst. P	M	GEN (handicap)	M.Sc., NET-JRF	3.0
Iii	Dr. Mukesh	Asst. P	M	GEN	Ph.D.	3.0
Iv	Dr. Jagannath Panjiyar	Asst. P	M	BC-II	Ph.D.	3.0

V	Dr.Chandramika Bora	Asst. P	F	GEN	Ph.D.	2.5
Vi	Dr. Sudhir Kumar Shudhanshu	Asst. P	M	SC	Ph.D.	3.0
Vii	Dr.Indrani Trivedi	Asst. P	F	GEN	Ph.D.	2.5
Viii	Krishna Kant Dwivedi	Asst. P	M	GEN	M.Sc., NET	3.0
Ix	Dr. Rashmi Komal	Asst. P	M	BC-II	Ph.D.	2
X	Dr. Gargi Tiwari	Asst. P	F	GEN	Ph.D.	2.5
Xi	Dr. Aman Kumar	Asst. P	M	BC-II	Ph.D.	3

17	Information about **Non-Teaching Staff**					
S. No.	Name of the Staff	Designation	Gender	Category	Highest qualification	Years of service
1	Mrs. Kishori Thakkar	H.A.	F	GEN	B.A.	36
2	Mr. Sudhir Kumar	Accountant	M	BC-II	B.A.	18
3	Mr. Mani Shankar	Assistant	M	GEN.	B.Sc., LLB	17
4	Mr. Ashok Kumar	U. D. C.	M	BC-I	B. A.	17
5	Mr. Ram Nath Rai	U. D. C.	M	BC-II	B. A.	15
6	Mr. Sujit Kumar	U. D. C.	M	GEN	B. A.	15
7	Mr. Raj Kumar	L. D. C.	M	BC-I	I.A.	8
8	Mrs. Kalpana Nath	L. D. C.	F	GEN	B.A., M. Ed.	8
9	Mr. Mithilesh Kumar Singh	L. D. C.	M	GEN	B.A.	29
10	Mr. Ramesh Kumar Singh	L. D. C.	M	BC-II	I.Sc.	26
11	Mr. SachhidanandPrasad	L. D. C.	M	BC-I	I.A.	25
12	Mr. Sanjeev Kumar	L. D, C	M	OBC	B.A,	4
13	Mr. Rakesh Kumar	Library Assistant	M	BC-I	B.A..B.Lib.	24
14	Mr. Jitendra Kumar	Compounder	M	BC-I	I.SC.	24
15	Mr. Kamlesh Ram	Lab Assistant	M	SC	I.SC.	16
16	Mr. Vijay Kr. Sinha	Lab Assistant	M	GEN	M.Sc.	33
17	Mr. Ashok Kr. Mahto	Lab Assistant	M	BC-I	M.Sc.	33
18	Mr. Vijay Kumar	Lab Assistant	M	BC-I	I.SC.	35

19	Mr. Ram Swarath Prasad	Compounder	M	BC-I	B.Com.	17
20	Mr. Sheo Sagar Prasad	Compounder	M	BC-II	I.Sc.	35
21	Mr. Ganesh Prasad	Compounder	M	BC-I	I.A.	23
22	Mr. Sanjay Kumar	LDC	M	BC-I	I.SC.	16
23	Mr. Rajneesh Kumar	LDC	M	BC-II	B. A.	15
24	Mr. MrityunjayKr.Singh	LDC	M	BC-I	B.A.	15
25	Mr. Rohit Sharma	LDC	M	GEN	INTER	02
26	Mr. Prashant Kumar Jha	LDC	M	GEN	INTER	02
27	Mr. Paras Nath	Peon	M	BC-II	8th	26
28	Mr. Rajdeo	Peon	M	BC-I	7th	22
29	Mrs. Meena Devi	Peon	F	SC	3rd	20
30	Mr. Moti Mistry	Peon	M	BC-I	B. Com.	17
31	Mr. Ramji Choudhury	Peon	M	BC-II	Matric	28
32	Mrs. Reeta Devi	Peon	F	BC-I	8th	14
33	Mr. Raju Kumar	Peon	M	BC-I	Non-Matric	16
34	Mr. Rajesh Kumar	Peon	M	BC-I	Intermediate	8
35	Mr. Kanyaiya Yadav	Peon	M	BC-II	8th	8
36	Mr. Nandu Kumar	NightGuard	M	BC-I	7th	28
37	Mr. Sahdeo Prasad	Darban	M	BC-II	7th	28
38	Mr. Arun Kumar	Darban	M	BC-I	5th	28
39	Mr. Sikander Prasad	Cycle Choukidar	M	BC-I	Matric	30
40	Mr. Kanchan Pd. Yadav	Mali	M	BC-II	Matric	35
41	Mr. Triloki Nath	Lab bearer	M	BC-I	7th	39
42	Mr. Rajendra Paswan	Lab bearer	M	SC	7th	31
43	Mr. Ramdeo Pandit	Lab bearer	M	BC-I	7th	34
44	Mr. Pramod Kumar	Lab bearer	M	BC-I	I.A.	24
45	Mr. Mahesh Mahto	Lab bearer	M	BC-I	8th	22
46	Mr. Awadhesh Prasad	Lab bearer	M	EBC	7th	24
47	Mr. Ramu Jaiswal	Lab bearer	M	BC-II	6th	23

48	Mr. Kundan Kumar	Lab bearer	M	GEN	Matric	5
49	Mr. Vinay Kumar	Gas man	M	GEN	7th	22
50	Mr. Satya Narayan Prasad	Gas man	M	BC-I	5th	24
51	Mr. Raju Ram	Sweeper	M	SC	7th	23
52	Mrs. Asha Devi	Sweeper	M	SC	6th	22
53	Mr. Binod Kumar	Sweeper	M	SC	7th	29
54	Mr. Amit Kumar	Sweeper	M	SC	5th	18
55	Mr. Jitendra Kumar	Sweeper	M	SC	4th	20
56	Mr. Sanjay Kumar	Sweeper	M	SC	Matric	19
57	Mr. Madan Singh	Ward Servant	M	BC-II	8th	22
58	Mr. Ram Vivek Pd.	Ward Servant	M	BC-II	8th	28
59	Mr. Ashok Kumar Verma	Ward Servant	M	GEN	9th	38
60	Mrs. Tara Devi	Ward Servant	M	BC-I	7th	28
61	Mr. Ram Naresh Mahto	Ward Servant	M	BC-II	7th	23
62	Mr. Ram Avtar Pd.	Hostel Darban	M	BC-II	8th	33
63	Mr Amit Kumar	Peon	M	BC-I	Metric	02
64	Mr. Om Prakash	Mali	M	BC-I	Metric	07
65	Mr. Ashok Kumar	Sweeper	M	SC	5th	33
66	Mr. Dinesh Kumar	Sweeper	M	SC	7th	33
67	Mr. Manoj Kr. Ram	Sweeper	M	SC	Matric	8
	Information about **Students**					

Information

	Name of the Programme	B. Sc.— Sem- I														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	131	46	0	134	35		114	54		73	11		3	1	
ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL all categories		Total MALE			Total FEMALE			Total OTHER			Grand Total					
		458			147			0			605					

	Name of the Programme	B. Sc.— Sem- III														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	131	43		143	55		124	29		84	13		05	04	
ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL all categories		Total MALE			Total FEMALE			Total OTHER			Grand Total					
		487			144			0			631					

	Name of the Programme	B. Sc.— Sem- V														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	109	42		62	24		52	21		23	07		01	01	
ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL all categories		Total MALE	Total FEMALE	Total OTHER	Grand Total
		247	97		342

	Name of the Programme	Biotechnology —Sem- I														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	05	10	0	03	02	0	03	02	0	03	01	0	0	0	0
ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		02	09	0	02	04	0	01	07	0	02	03	0	0	0	0

TOTAL all categories		Total MALE	Total FEMALE	Total OTHER	Grand Total
		14	15	0	29

	Name of the Programme	Biotechnology — Sem- IV														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	05	03		03	02		02	0		1	01		0	00	
ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL all categories		Total MALE	Total FEMALE	Total OTHER	Grand Total
		11	06	0	17

	Name of the Programme	Biotechnology — Sem- VI														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	03	11		00	03	0	0	02	0	02	03	0	00	00	

ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TOTAL		01	08	0	04	15	0	2	3	0	01	00	0	0	0	0		
TOTAL all categories		Total MALE			Total FEMALE			Total OTHER			Grand Total							
		05			17			0			22							

	Name of the Programme	B.C.A. — Sem- I														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	14	0	0	06	00	0	05	0	0	05	0	0	0	0	0
ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL																
TOTAL all categories		Total MALE 30			Total FEMALE			Total OTHER			Grand Total 30					

	Name of the Programme	B.C.A. — Sem- IV														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	C	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	13	01	0	06	01	0	05	0	0	03	01	0	0	0	0
ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL																
TOTAL all categories		Total MALE 27			Total FEMALE 03			Total OTHER			Grand Total 30					

	Name of the Programme	B.C.A. — Sem- VI														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	09	02	0	03	02	0	0	0		01	0	0			
ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL																
TOTAL all categories		Total MALE 13			Total FEMALE 04			Total OTHER			Grand Total 17					

	Name of the Programme	Environmental Sciences — Sem- I														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	04	03	0	03	02	0	04	00	0	00	00	00	00	00	0
ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL all categories		Total MALE			Total FEMALE			Total OTHER			Grand Total					
		11			06			0			17					

	Name of the Programme	Environmental Sciences — Sem- IV														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	06	03	0	03	0	01	01	0	0	0	0	0	0	0	0
ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL all categories		Total MALE			Total FEMALE			Total OTHER			Grand Total					
		10			04			0			14					
	Name of the Programme	Environmental Sciences — Sem- VI														
		UR			OBC			EBC			SC			ST		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O
i)	Students from Bihar	03	03	0	05	08	0	0	0	0	4	0	0	0	0	0
ii)	From other states	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iii)	NRI students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iv)	Foreign students	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL all categories		Total MALE	Total FEMALE	Total OTHER	Grand Total
		12	11	00	23

i)	Class Rooms	19	Geology-2, Zoology-2, Mathematics-4, English-1, Hindi-1, Physics-3, ENVS-Nil, BioTech-1, BCA-3,Chemistry-2
ii)	Class Rooms with LCD Facility	2	Zoology-1, Mathematics-1, Hindi/English-Nil, Physics-Nil, ENVS-Nil, BioTech-Nil, BCA-Nil
iii)	Class Rooms with WiFi/ LAN Facility	9+ BCA Lab	Geology-1, Zoology-2, Mathematics-Nil, English/Hindi-Nil, Physics-3, ENVS-Nil, BioTech-Nil, BCA-3+Lab.
iv)	Seminar Hall	2	Geology-Nil, Zoology-Nil, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-1, ENVS-Nil, BioTech-Nil, BCA-1, Botany-Nil, Chemistry-Nil
v)	Seminar Hall with ICT Facility	3	Geology-Nil, Zoology-Nil, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-1, ENVS-Nil, BioTech-Nil, BCA-1, Botany-1, Chemistry-Nil
vi)	Conference Hall	0	Geology-Nil, Zoology-Nil, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-Nil, ENVS-Nil, Biotech-Nil, BCA-Nil, Botany-Nil, Chemistry-Nil
vii)	Media Lab	0	Geology-Nil, Zoology-Nil, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-1, ENVS-Nil, Biotech-Nil, BCA-Nil, Botany, Chemistry-
viii)	No of Computer Labs	2	Geology-1, Zoology-Nil, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-Nil, ENVS-Nil, Biotech-Nil, BCA-1, Botany, Chemistry-
ix)	No of Laboratories	14	Geology-2, Zoology-1, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-6, ENVS-Nil, Biotech-Nil, BCA-1, Botany-2, Chemistry-2
x)	No of Computers	37	Geology-4, Zoology-1, Mathematics-1, English-1, Hindi-Nil, Physics-2, ENVS-1, BioTech-1, BCA-18, Office-5, Botany-2, Chemistry-01
xi)	Licensed Software	02	Geology-Nil, Zoology-Nil, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-Nil, ENVS-1, BioTech-1, BCA-Nil, Botany-Nil, Chemistry-Nil
xii)	No of Printers	15	Geology-2, Zoology-1, Mathematics-1, English-1, Hindi-Nil, Physics-Nil, ENVS-1, BioTech-1, BCA-1, Office-5, Botany-2, Chemistry-Nil
xiii)	No of photocopiers	07	Geology-1, Zoology-Nil, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-1 (Not Functional), ENVS-Nil, BioTech-1, BCA-1, Office-2, Botany-1, Chemistry-Nil
xiv)	No of UPS	29	Geology-Nil, Zoology-Nil, Mathematics-1, English-1, Hindi-Nil, Physics-Nil, ENVS-1, BioTech-1, BCA-18, Office-5, Botany-2, Chemistry-Nil
xv)	Animal House	Nil	NA
xvi)	Green House	Nil	NA
xvii)	Museum	01	In Geology department only.

xviii)	Girls' Common Room	01	Central and belongs to the College.
xix)	Boys' Common Room	01	Central and belongs to the College.
xx)	Toilet (HE)	17	Geology- 5, Zoology-1, Mathematics-1, English-Nil, Hindi-1, Physics-2, ENVS-Nil, BioTech-3, BCA- 2, Office- Nil, Botany-1, Chemistry-1
xxi)	Toilet (SHE)	14	Geology- 4, Zoology-2, Mathematics-Nil, English-Nil, Hindi-1, Physics-2, ENVS-Nil, BioTech-1, BCA- 2, Office-1, Botany-1, Chemistry-1
xxii)	Water Purifier	14	Geology- 2, Zoology-1, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-1, ENVS-Nil, BioTech-1, BCA- 1, Office-5, Botany-2, Chemistry-1
xxii)	Water Cooler	09	Geology- 1, Zoology-Nil, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-2, ENVS-Nil, BioTech-1, BCA- 1, Office-2, Botany-1, Chemistry-1
xxiii)	Generator	04	Geology- 1, Zoology-Nil, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-1, ENVS-Nil, Biotech-Nil, BCA-1, Office-1, Botany-Nil, Chemistry-Nil
xxiv)	Inverter	09	Geology- Nil, Zoology-2, Mathematics-Nil, English-Nil, Hindi-Nil, Physics-Nil, ENVS-1, BioTech-3, BCA-Nil, Office-1, Botany-2, Chemistry-Nil
xxv)	Any Other		
xxvi)	Does the College maintain Asset Register?	Yes	
20	Information about **Teaching Learning**		
	The students are imparted knowledge through class room and field-based guidance. Laboratory mode is emphasized for hands-on training to the students.		
21	Information about **Research, Innovation & Extension Activities**		
	Modern concepts and tools are utilized to understand the geology of the region The Department of Geology conducts International Earth Science Olympiad for the State of Bihar		
22	Information about **Students Support**		
	i) Library – Books are lent to the students ii) Computer Laboratory – Students have access to the lab for preparation of reports etc. iii) Counseling and guidance – Students are provided guidance for building their career		

23. Report on capability enhancement and development programmes:

Give a brief description of programmes conducted towards developing following areas mentioning Date, Title of Programme, Resource Persons with Designations, List of Beneficiaries, and OUTCOME etc.

- ✓ Guidance for competitive examinations;
- ✓ Career Counseling;
- ✓ Soft skill development;
- ✓ Remedial coaching;
- ✓ Language &Communication Skill;
- ✓ Bridge Courses;
- ✓ Yoga & Meditation;
- ✓ Personal Counseling;

PART- B

Name of the College: **Patna Science College**

Report for the Period: 01,**July 2023- 30June 2024**

24. Number of activities conducted for promotion of **Universal Values**:

S. No.	Title of the Program/ Activity	Date/Duration	No. of Participants	Name of the Resource Persons/ Judges	Name of Winners (If any)	Name,Roll No., and Class of the Students Involved
1.	Independence Day	15.08.2023	600 Approx	Vice-Chancellor of Patna University	NA	Students and staff of the University
2.	Combined Induction meet of all departments of College		750	Dean and Proctor from University and Principal and HODs of departments of Patna Science College	NA	All new students, faculties, HODs and Principal
7.	Republic Day	26.01.2024	200 Approx	Principal, Patna Science College	NA	Students and staff of the College
8.	National Science Day	03.03.2024	300	Faculty Members of Patna Science College		Students and staff of the College and University

25. Number of activities related to Swachchta Abhiyan conducted during the last year:

S. No.	Title of the Program/ Activity	Date/Duration	No. of Participants	Name of Important Persons	Name of Participants	Name, Roll Nos, and Class of the Students Involved
1.	Cleanliness Drive	20.10.2023	27	Faculty Members of Department of Botany Patna Science College	Students, Head of Department and Teachers of the department.	B. Sc. Part 1 students
2.	Rastriya Swachhata Abhiyan	11.12.2023	27	Faculty Members of Department ofBotany Patna Science College	Students, Head of Department and Teachers of the department.	B. Sc. Part III students
3	Plantation Drive (Jal Jeevan Hariyali)	07.12.2023 04.01.2024 01.02.2024	55 50 18	Faculty Members of Department. of Botany Patna Science College	Faculty Members of Department. of Botany Patna Science College	BSc 1st, 2nd and 3rd Sem Students of Botany, Biotechnology and Environmental Sciences.

26. Number of **Sports Activities** conducted during the last year:

1.	Annual Sports Prize distribution Program	13/07/2023 TO 16/07/2023	330	NA	NA	Vice Chancellor, Proctor, Dean, faculties and students of college.	

27. **Extra-curricular Activities: cultural, music, drama etc.** conducted during the last year:

S. No.	Title of the Program/ Activity	Date/ Duration	No. of Participants	Name of the Resource Persons/ Judges	Name of Winners (if any)	Name, Roll Nos, and Class of the Students Involved

28. Record of **NSS Activities**:

S. No.	Title of the Program/ Activity	Date/Duration	No. of Participants	Name of the Resource Persons/ Judges	Name of Winners (if any)	Name, Roll Nos, and Class of the Students Involved

29. Record of **NCC Activities**: N/A

S. No.	Title of the Program/ Activity	Date/Duration	No. of Participants	Name of the Resource Persons/ Judges	Name of Winners (if any)	Name, Roll Nos, and Class of the Students Involved

30. Record of **Student Achievements**:
(Provide the list of students who received awards, recognition, fellowships at State, National, International level from Govt. or recognized bodies, media report and photographs/videos)

S No.	Date of Award	Name of Student	Aadhar No.	Mobile No.	Name of the Award received from Govt. or recognized bodies

31. Record of **Teachers who received awards, recognition, fellowship** at State, National,International level from Government, recognized bodies:

S. No.	Name of the Teachers awarded National/ International Fellowships	Name of the Award	Letter No & Date of Award	Awarding Agency
1.				
2.				

32. Number of **Teachers awarded Fellowships for Advanced Studies/ Research:**

S. No.	Name of the Teachers awarded National/ International Fellowships	Name of the Award	Letter No & Date of Award	Awarding Agency

33. Record of **Research Project:**

S. No.	Name of the Teachers	Depart ment/ Subject	Name of the Project	Amount, Letter No & Date of Award	Awarding Agency	Status/ Remarks
i.	Dr. Ashok Kumar Jha	Physics	Electronic and Magnetic Properties of V doped TiO_2	CSR-IC-ISUM-49/CRS-332/2020-21/790	**UGC-DAE CSR** Indore Centre	Second Year

2.	Dr. Babita Sharma	Zoology	Protein-protein interactions of Plasmodium ookinete surface proteins with mosquito midgut proteins and transmission blocking of malaria.	10 Lakh Recommended by UGC in Sep 2021	**UGC** startup project	Name recommended in Sep 2021. University in the process of opening RBI account to receive money.
3.	Dr.Punam Ranjan	Botany	Characterization of Begomo-viruses associated to tomato crop in Bihar	Submitted on 25.04.2022	**SERB DST** File No. (SPG/2021/002269) 25 Apr 2022	Approved
4.	Dr. Shankar Kumar and Ashok Kumar Jha.	Physics	Electronic and magnetic properties of V-doped TiO2.	18 Lakh Date of Award: 04.03.2021	UGC-DAE CSR Center Indore. Letter No. CSR-IC-ISUM-49/CRS-332/2020-2021/790.	Ongoing

34. Record of **Publication of Research Papers**:

S. No.	Name of the Author indicated with Department Subject and Institutional affiliation as mentioned in the Publication	Title of the Paper	Title of the Journal (Name of the Publisher)	Impact Factor	Year/ Date of Publication, Volume No., Page No.	Whether UGC Approved Y/N	ISSN
1.	Kumar Gaurav and Dr. S.M Mahboob Hassan	Effect of Ocimum Sanetum Leaf in different Concentrations on Larvel weight of the Bombyx mori.L	Educational Administration Theory and Practice (Scopus. Q 4)		2024 Vol 30(1)		2148-2403

2	Kumari Tripti and Prof. Shardendu. (Botany Department)	Efficiency of Arsenic remediation from growth medium through Bacillus licheniformis modulate by phosphate (PO4)3- enrichment.	Archives of microbiology **Springer**	2.5	Vol 7, Page 1-9 (2021)	Y	0302-8933
3.	Niraj Kumar Shardendu (Botany Department)	Plasmid dependent survival strategies of Acinetobactorcalcoaceticus J1 in chromium toxic environmental.	Journal of Applied and Natural Science (JANS). UGC Care (Web of Science indexed)	0.126 Scimago journal Rank (SJR)	Page 7-16, 2022 Accepted	Y	2231-5209
4.	Priyanshu Patel, Mini Kumari and Shardendu (Botany Department)	Comparison of dissolved oxygen (DO) and biological oxygen demand (BOD) at different sampling sites along river Ganga at Krishna Ghat near GDS hostel, Patna University.	Journal of Patna Science College	NA	2022 Accepted	N	NA
5.	Md. Saduzzaman, Abhishek Kumar, Mini Kumari and Shardendu. (Botany Department)	A comparative study on biodegradation potential of various solvent extracts of Marine Algae on various physicochemical parameters of tannery industry effluent.	Advances in Zoology and Botany	NA	2022 Accepted	Y	2331-5091
6.	Md. Saduzzaman, Mini	Enhancement of remediation potential of	Bioremediation Journal	1.9	16.07.2022	Y	

	Kumari and Shardendu. (Botany Department)	Bacillus licheniformis DAS-1 using multifactor experiment design.					
7.	Alika Najafi, Pragya, Shilpy Jha, Archana Kumari and Indrani Trivedi. (Botany Department)	Studies on efficacy of seed dormancy breaking methods by mechanical scarification and analysis of soil type preference in Aparajita (Clitoreaternatea L.)	Journal of Patna Science College.	NA	2022 Accepted	Y	NA
8.	Rashmi Komal (Botany Department)	Pollen morphology of two cultivars of Trichosanthes dioica Roxb. Cucurbitaceae)	The international journal of plant reproductive biology,	NA	Vol 13(2), Page 198-200	Y	PISSN 0975 4296 IISN 2249 7390
9.	Rashmi Komal (Botany Department)	In vitro organogenesis of Trichosanthes dioica. Plaantlet through callus culture.	Journal of Indian botanical society.	NA	101(1-2). 58-65	Y	ISSN - 2455-7218 PISSN 0019-4468
10	Priti Singh and Shravan Kumar. (Mathematics department)	Reduction of ideals with respect to a module.	Palestine journal of Mathematics.	NA	Accepted	Scopus	2219-5688
11.	Priyanka Sharma and Ramesh Sharma (Zoology department)	A Review: Impact on COVID -19 on mental health and aging.	Saudi Journal of Biological Sciences.	0.656 Scimago Journal rank (SJR)	28.07.2021, 28(12), 7046-7053	Y	1319-562X
12.	Pintu Kumar Shaw and S. M. M. Hassan. (Zoology Department)	Effect of medicinal plants Neem and Tulsi on the serology of *Tenebrio molitor*(Tenebrionidae).	Asian Resonance		Oct 2021 Issue-4.	Y	0976-8602

13.	Dr.Sumita Singh. (Physics Department)	SIR model to study wave of COVID-19 in India with the help of MATLAB.	Sciforum		29.05.2022		

35. Record of **Publication of e-Research Papers**:English

S. No.	Name of the Author (Teacher/ Research Scholar with Dept/ Subject and Institutional affiliation as mentioned in the Publication)	Title of the Paper	Title of the e-Journal with URL	Name of Publisher	Year/ Date of Publication, Volume No., Page No.	Identity No/ Status Defining Number

36.Record of **Publication of Articles in Magazines/ News Papers**:

S. No.	Name of the Author (Teacher/ Research Scholar with Dept/ Subject and Institutional affiliation as mentioned in the Publication)	Title of the Article	Names of Magazines/ News Papers	Name of Publisher	Year/ Date of Publication, Volume No., Page No.

37. Record of **Papers Presented in Conferences:**

S No	Name of the Author (Teacher/ Research Scholar/ Student)	Dept/ Subject	Title of the Paper Presented	Name of Conference etc.	Organizer, Place and Date

1.	Dr, Priti Singh	Mathematics	Linear and relation type of an ideal.	International Academy of Physical Sciences.	NIT, Jamshedpur, Oct 26-28, 2021
2.	Dr, Priti Singh	Mathematics	Hilbert Function and Sally Module.	37th Annual National Conference of the Mathematical Society, B.H.U.	Jan 29-30. 2022 B.H.U.

38. Record of **Publication of Books/ e-Books, and Chapters in edited Volumes/ Conference Proceedings:**

S. No.	Name of the Author (Teacher/ Research Scholar with Dept/ Subject and Institutional affiliation as mentioned in the Publication)	Title of the Paper/ Chapter/ Book/ e-Book	Name of Publisher	ISSN/ISBN No	Year/ Date of Publication, Volume No., Page No.
1.	Indrani Trivedi	Effect of the combination of different plant hormones on Callus InductionandCallogenic Response of *Withaniasomnifera*.	??	ISBN-9789385149146	21-22 Dec 2021, Page no. 163.
2.	Abhishek Kumar and Shardendu, Laboratory of environment and Biotechnology	Characterization of and antitumor properties of *Janithobacteriumlividum* bacteria.	??	ISBN-9789385149146	
3.	Mini Kumari and Shardendu, Laboratory of environment and Biotechnology.	Study of host Arginase-Inos expression in visceral leismaniasis; can be used as diagnostic marker.	??		
4.	Dr. Ashok Kumar Jha and Dr. Shankar Kumar. (Physics Department)	Practical physics on Modelling and Simulation for PG (Sem II).	Bharti Prakashan	ISBN-978-93-91733-75-9	2022

39. Record of **Organization(Participation) in Conference/ Workshop/ Seminar/ Symposium**: (Provide in brief description, objective and outcome of the conference/seminar etc., list of Resource Persons, List of Participants, Media reports, Photographs/ videos etc.)

S. No.	Name of the Convener/ Organizing Secretary	Dept/Subject	Title of the Conference/ Workshops etc.	Mention Level **INT** for Inter-national/ **N**(National)/ **S**(State)/ **C** (College) Level	Financing Agency	Place and Date

40. Record of **Special Lecture Conducted/ Visits by Distinguished Personalities:**

(Provide in brief description, objective and outcome of the conference/seminar etc., list of Resource Persons, List of Participants, Media reports, Photographs/ videos etc.)

S No	Name of Distinguished VisitorDesignation/ Affiliation	Dept./Subject	Title of the Talk/ Programme	No. of Participants	Place and Date

41. Any other thing that you would like to mention:

……

(Signature)

Name of the Principal: ……

Name of College: ……..

Institutional Seal: