



## YEARLY STATUS REPORT - 2020-2021

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	<b>ANUGRAH NARAYAN COLLEGE, PATNA</b>
• Name of the Head of the institution	<b>Prof. Shashi Pratap Shahi</b>
• Designation	<b>Principal</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone no./Alternate phone no.	<b>06122540482</b>
• Mobile no	<b>7061774522</b>
• Registered e-mail	<b>principalcollege@gmail.com</b>
• Alternate e-mail	<b>principal@ancpatna.ac.in</b>
• Address	<b>S. K. Puri, Boring Road</b>
• City/Town	<b>Patna</b>
• State/UT	<b>Bihar</b>
• Pin Code	<b>800013</b>
<b>2.Institutional status</b>	
• Affiliated /Constituent	<b>Constituent</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Urban</b>
• Financial Status	<b>UGC 2f and 12(B)</b>

• Name of the Affiliating University	Patliputra University, Patna
• Name of the IQAC Coordinator	Dr. Arun Kumar
• Phone No.	06122540482
• Alternate phone No.	7320853018
• Mobile	9431077514
• IQAC e-mail address	arunkumar1957@gmail.com
• Alternate Email address	arun.kumar@ancpatna.ac.in
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://www.ancpatna.ac.in/Menu/NAC/AQAR%20Report-2019-2020.pdf">https://www.ancpatna.ac.in/Menu/NAC/AQAR%20Report-2019-2020.pdf</a>
<b>4.Whether Academic Calendar prepared during the year?</b>	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.ancpatna.ac.in/Menu/NAC/aqar_meetings/Academic%20Calendar-2020-2021.pdf">https://www.ancpatna.ac.in/Menu/NAC/aqar_meetings/Academic%20Calendar-2020-2021.pdf</a>

**5.Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.10	2005	21/09/2005	20/09/2010
Cycle 2	A	3.18	2011	30/11/2011	29/11/2016
Cycle 3	A	3.27	2017	30/10/2017	29/10/2022

**6.Date of Establishment of IQAC**

15/11/2005

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

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
A N COLLEGE, PATNA	RUSA	SHEC, Govt. of Bihar	2020	5000000
A N College, Patna / Department of Chemistry	Centre for Fluorosis Research	UNICEF	2020-2021	5952359

<b>8. Whether composition of IQAC as per latest NAAC guidelines</b>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>• Upload latest notification of formation of IQAC</li> </ul>		
<b>9. No. of IQAC meetings held during the year</b>	<b>9</b>	
<ul style="list-style-type: none"> <li>• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>• If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul>		
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
Academic planning for effective curriculum delivery		
Academic Initiatives like FDPs, SDPs, A.N. College Coursera, IIRS ISRO Courses, SWYAM NPTEL Courses		
Inclusion of student in N-List		
Ability Enhancement Courses		
Implementation of College Information Management System (CIMS)		
<b>12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>		

Plan of Action	Achievements/Outcomes
To Expedite construction of Auditorium and Multi-purpose Building	Multi-purpose building constructed up to second floor. Construction work in Auditorium has been completed and furnishing is in progress.
To expedite construction of 2nd floor of Examination building	Completed
To expedite the construction of boundary wall	Completed
To facilitate MOOC courses	A N College Coursera courses, IIRS ISRO courses and SWAYAM NPTEL Courses are running
To facilitate FDPs and SDPs	Many FDPs and SDPs on cutting edge of technology have been organized.
To organize workshops, Seminars, Conferences, quizzes	Large number of workshops, Seminars, Conferences, quizzes etc. have ben organized.
Implementation of CIMS and RFID	CIMS have been implemented and quotations from RFID finalized.
To intensified extension activities	Large number of extension activities done
To intensifiy plantation of medicinal plants	Neem plants and other medicinal plants
To enhance research facilities	Central Instrumentation Centre has been strengthen and XRD is soon to be installed
<b>13. Whether the AQAR was placed before statutory body?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name	Date of meeting(s)
Nil	Nil

**14. Whether institutional data submitted to AISHE**

Year	Date of Submission
2019	20/02/2020

NAAC

<b>Extended Profile</b>	
<b>1.Programme</b>	
1.1 Number of courses offered by the institution across all programs during the year	<b>161</b>
File Description Data Template	Documents <a href="#">View File</a>
<b>2.Student</b>	
2.1 Number of students during the year	<b>10005</b>
File Description Institutional Data in Prescribed Format	Documents <a href="#">View File</a>
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	<b>3508</b>
File Description Data Template	Documents <a href="#">View File</a>
2.3 Number of outgoing/ final year students during the year	<b>1897</b>
File Description Data Template	Documents <a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of full time teachers during the year	<b>81</b>
File Description Data Template	Documents <a href="#">View File</a>
3.2 Number of sanctioned posts during the year	<b>104</b>
File Description Data Template	Documents <a href="#">View File</a>
<b>4.Institution</b>	
4.1 Total number of Classrooms and Seminar halls	<b>72</b>
4.2 Total expenditure excluding salary during the year (INR in lakhs)	<b>2700</b>
4.3 Total number of computers on campus for academic purposes	<b>352</b>
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	

## 1.1 - Curricular Planning and Implementation

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

1. Academic planning for the ensuring session 2020-21 was done amidst COVID Stricken situation. On 2nd July ,2020 a meeting of HoDs alongwith IQAC was organised to discuss academic planning in an unprecedented situation. The following agenda were discussed in the meeting :

1. Holding of interactive online classes, teaching and interaction with the students through various digital media like Whatsapp, video classes to be uploaded on website and You tube, uploading of study materials on website etc.

2. Review regarding coverage of syllabi and latest detailed status report pertaining to it to be submitted by HoDs to the office of the Principal.

3. To discuss strategies for starting teachings in next semesters.

4. Time table for conducting interactive Online Classes and imparting teachings through various Apps , video conferencing platforms and other digital modes.

5. Modalities/ Mechanism for collection and compilation of reports to be submitted on weekly basis to the University.

6. Sanitization and Social Distancing measures, if under any exigent situation, some teachers are called to come to the College.

7. Any other matter

For ensuring curriculum delivering strategies and modalities were discussed at length. It was resolved

that (i) HoDs of the concerned departments will assign topics / chapters of different papers of various courses to each teacher.

HoDs will continuously monitor the progress and will devise strategies accordingly for effective teaching and coverage of the syllabi. (ii) Before start of the teaching, the departments

concerned will organise on their own Induction programs for students to make them aware with the nuances, priorities and requirements..

It was decided that online classes would run in full swing until the situation improves. Even after the improvement of the situation, arrangements have to be made to run classes in dual / hybrid mode.

Attempts should be made to bring Massive open online certificate courses like Coursera , IIRS- ISRO etc. to provide ample

opportunities to our students to explore new areas and technologies to enhance their knowledge and skills. Apart from these national

webinars, webseries lectures, S.N. Sinha Memorial Lectures should be organised. It was also resolved that Student Development Programs



and Faculty Development Programs ( FDPs) should also be organised and certificates be given on successful completion of the program. Core committee members be entrusted to work out details and logistics of these programs for which assistance of HoDs and other teachers may be taken.

(iii) Along with traditional "chalk and talk" method, each department should encourage teachers to use ICT enabled tools and optimum utilization of K-Yan provided to the developments. Various methods like participative learning, problem solving methodologies, "hands on learning" etc. should be invoked. In each department at least one or two teachers be assigned the role of mentor to counsel the students on academic matters and other related issue. (iv) Special care be taken of those students who are "slow learners" for them special tutorial classes be run 'Advance Learner' should be pepped up, encouraged, and guided to explore materials on advanced topics. Tutorials should be run by each department and wherever required "bridge courses" should be run. (v) Oral tests, class tests, internal evaluation should be conducted by each department on regular basis. Internal examinations be held in each year / semester. (vi) Each department will obtain feedbacks on the syllabus from the students and teachers and other stakeholders as well. (vii) MOOC courses be provided to the students through various platforms like Spoken Tutorials, IIT Bombay, Coursera, NPTEL, IIRS-ISRO, etc. 2. Planning for Co-curricular and Extra-curricular Activities All members were unanimous in their views that "Co-curricular and Extra curricular activities are extension of formal and informal learnings.

These complement and supplement curricular activities and are essential for in calculating various facets of personality development and cultural assimilation of students. The members outlined some of the tentative activities like (i)

Debate (ii) Science, Social sciences, Humanities and General Knowledge, current Affairs quizzes. (iii) Poster exhibitions on different theme. (iv) Documentaries, projects, you tube channels, Facebook pages etc. for propagating messages regarding important social issues, environmental awareness, gender sensitivity etc. (v) Essay writing, story writing, declamation contexts. (vi) Programs for moral and spiritual development of students. (vii) For holistic development of the students, sport's infrastructure be strengthened and cultural activities should be intensified. When situation improves considerably then ,to give exposure to hidden intrinsic and innovative artistic talents of the students "Yuva Mahotsava" should be organised.



File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="http://www.ppup.ac.in/ug-syllabus">http://www.ppup.ac.in/ug-syllabus</a> <a href="http://www.ppup.ac.in/pg-syllabus">http://www.ppup.ac.in/pg-syllabus</a>

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

Pandemic and consequent Lockdowns have had a severe adverse impact on almost all things, bthrowing the ordered system into disarray. Examinations could not be held on time and sessions got delayed. Despite the difficult situation, we tried our best to adhere to academic calendar by holding online tests through Google forms in various subjects.

The college within the scope of the university guidelines tries its best to bring reliability and accountability in the evaluation process. The major reforms initiated by the Chancellor's secretariat and implemented by the university and colleges include: The introduction of Choice Based Credit System (CBCS) in PG since 2018. The evaluation process comprises of two tier systems. (i) Continuous Internal Evaluation/Assessment (CIE/CIA) by the departments and (ii) University examinations and evaluation by external examiners. The marks obtained in continuous Internal Assessment based on internal exams, regularity/punctuality, seminars/quiz and conduct of students, are sent to the university and marks obtained in CIA/ CIE and external examination form the basis for evaluation of the student's performance. Similarly, college conducts internal tests, class tests, oral examination in under graduate classes (UG) also. During the Lockdown period due to pandemic, the process of internal evaluation continued unabated.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.**

**A. All of the above**

**Academic council/BoS of Affiliating University  
Setting of question papers for UG/PG  
programs Design and Development of  
Curriculum for Add on/ certificate/ Diploma  
Courses Assessment /evaluation process of the  
affiliating University**

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

## 1.2 - Academic Flexibility

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

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

23

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

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

45

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

700

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

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

As enunciated in vision and mission, the college being the critical component of human development, is striving to equip students with knowledge and skills that allow them to make greater contribution to society. Appertained to it, the college is more conscious of its social responsibilities and is endeavoring hard to inculcate a value system among the students to address the cross cutting issues such as gender, climate change, environmental education, human rights, ICT etc. It is continually engaged in providing eco-friendly ambience by developing green parks / garden to preserve environment and heritage. It has rain-water harvesting plant to conserve water and recharge ground water, vermi-composting units to minimize solid waste hazards. The departments of Environmental & water Science (EWM), Environmental Sciences have done commendable jobs in the fields of Arsenic and Fluoride contamination which have severely affected the health conditions of citizen of Bihar. Its researches in Arsenic and Fluoride have earned international accolades. It has launched awareness programmes on various aspects like deleterious effects of Arsenic and Fluoride at Maner, Patna and other places in Bihar and has played key role in Arsenic mitigation programme. The students of MBA have launched a 'CLEAN-CLAN' movement for sanitation programmes. NSS wing of the college is regularly organizing camps in different parts of Patna and other places to make people aware of sanitary conditions, environment protection, illiteracy eradication etc. NSS and NCC Wings of the college have done commendable jobs during floods in and around Patna district by acting in tune with state machineries and disaster teams in executing relief programme.

The college has organized many seminars and workshops on issues like

Gender sensitivity, human rights, women empowerment, social justice etc. The college has a "Women Cell" which facilitates deliberations on pressing social issues related to women like sexual harassment, domestic violence etc. The college has also established "equal opportunity cell", Student's Grievance and Reddressal Cell etc.

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

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

4

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

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

431

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

<b>1.4 - Feedback System</b>	
<b>1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni</b>	<b>A. All of the above</b>
<b>File Description</b>	<b>Documents</b>
URL for stakeholder feedback report	<a href="https://www.ancpatna.ac.in/Menu/NAAC/naac_AO_AR.php">https://www.ancpatna.ac.in/Menu/NAAC/naac_AO_AR.php</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
<b>File Description</b>	<b>Documents</b>
Upload any additional information	<b>No File Uploaded</b>
URL for feedback report	<a href="https://www.ancpatna.ac.in/Menu/NAAC/naac_AO_AR.php">https://www.ancpatna.ac.in/Menu/NAAC/naac_AO_AR.php</a>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>10005</b>	
<b>2.1.1.1 - Number of students admitted during the year</b>	
<b>4108</b>	
<b>File Description</b>	<b>Documents</b>
Any additional information	<b>No File Uploaded</b>
Institutional data in prescribed format	<a href="#">View File</a>

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

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

2722

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

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

Advance learners are identified through merit list of previous exams and through interaction, with teachers in theory and practical classes. These students have higher aspirations, more zeal and inquisitiveness for acquiring more knowledge. Teachers take special care of them and tries their best to quench their thirst for knowledge. Such students are allowed more time in laboratories and also given access to reference books, and various resources. They are also assigned projects to accomplish these independently. two students of Chemistry were sent to Homi Bhabha Centre for Science Education (HBCSE) to accomplish their projects. A significant number of students from Physics, EWM, etc. have also got opportunities to go abroad on one or two month's assignment under various exchange programmes.

Tabulation registers of semester and annual exams reflect the academic performance of the students. Head of the Departments and Prof.-Incharge of the departments remain attentive to the problems of poor performance of the student, cases of absenteeism, attendance, punctuality etc. Special attentions are given to slow learn by arranging extra classes for them. Faculty members also provide counseling to these students. Students come from different economic and social back-ground and minority. Supports to the weaker section of students and minority students are also provided by state and central government. The tuition fee of girl students have been exempted by the Government of Bihar. By taking pro-active measures like counselling, holding special classes, facilitating scholarships through various sources like welfare developments, the college tries to keep the drop-out within manageable limit to extent of 5 to 7%.



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

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

Number of Students	Number of Teachers
1005	145

File Description	Documents
Any additional information	<a href="#">View File</a>

### 2.3 - Teaching- Learning Process

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

Students' centric learning involves the method of teaching which is intensively focused on students. A.N. College, Patna endeavors to provide holistic education. Apart from classes teaching through traditional and ICT methods, it organizes different programmes to enhance knowledge, management skills, life skills, apart from course curriculum. Expert from industries, distinguished professors, from various institutions and NGOs are invited to augment and enhance the knowledge base of the students.

The campus is Wi-Fi enabled and the students have access to it. The students are exposed to the latest developments in the fields of their choice. The teachers' acts as facilitator and motivator while the student acquire knowledge on their own initiatives in the areas of their interest. By assigning projects to a group of students as per their choice, students are encouraged for collaborative learning. Teachers have autonomy in delivery of the curriculum and the teaching style differs from teacher to teacher. Teacher freely interacts with the students and the two-way teaching strategy dispels the student's passivity.

Poster exhibitions on social issues,



environmental issues and group discussions promote collaborative learnings.

Supports structures and systems facilitating interactive learning collaborative learning and independent learning are : -

- Computers with internet facilities.
- Laboratories and instrumentation facilities
- Library
- Wi-Fi enabled campus
- Smart Class equipment's, LCD projectors
- Student's projects and internships
- Departmental seminar libraries
- Curricular activities like seminar, work-shops, quizzes, debates, group discussions, report writing etc.

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

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

Students' centric learning involves the method of teaching which is intensively focused on students. A.N. College, Patna endeavors to provide holistic education. Apart from classes teaching through traditional and ICT methods, it organizes different programmes to enhance knowledge, management skills, life skills, apart from course curriculum. Expert from industries, distinguished professors, from various institutions and NGOs are invited to augment and enhance the knowledge base of the students.

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- Student's projects and internships
- Departmental seminar libraries
- Curricular activities like seminar, work-shops, quizzes, debates, group discussions, report writing etc.

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

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

#### 2.3.3.1 - Number of mentors

49

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	No File Uploaded

## 2.4 - Teacher Profile and Quality

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

145

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

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

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

62

File Description	Documents
Any additional information	<a href="#">View File</a>
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>

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

#### 2.4.3.1 - Total experience of full-time teachers

25666

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

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

The college ensures rigor and transparency in the internal assessment and this includes:

- Each department at the commencement of the semester informs the students about procedures to be adopted for internal assessment.
- Transparency is maintained by showing answer sheet to the students and if the students has any grievance, it redressed immediately by the teacher concerned who has evaluated his answer sheet.
- Internal assessment also include weightage for regularity (attendance), assignments, behavioural aspects.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

There is a well-established mechanism for redressal of grievances relating to evaluation. This comprises -

- In case of dissatisfaction with the marks obtained, a student can apply for redressal. The university has provisions for re-totaling.
- The application of the student is forwarded by the college to the university.
- The university looks into grievance and after re-totaling takes a final decision.
- If there are discrepancies in the mark sheet, the student submits a written application with relevant document which is

forwarded by the college to the university. The controller of examination after scrutinizing the mark sheet make necessary corrections.

In case of internal assessment, redressal of student's grievance is executed by the concerned department with the help of subject teacher and Head of the department.

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

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

### PROGRAM SPECIFIC OUTCOMES (PSOs)

#### 1. Physics

1. UG (Hons.) - At the completion of the course, students will have grasp on basic tenets of physics, mathematical and computing skills, interpretation of naturally occurring phenomena.

1. M.Sc. (Physics) - After completion of the course students will possess strong analytical skills, pedagogical skills and essential ingredients for researches in theoretical and experimental areas and entrepreneurship. With computational and analytical skills, they will have requisite skills to solve problems.

#### 1. Chemistry

1. UG (Hons.) - On the completion of the course, students will be familiar with fundamentals of Inorganic, Organic and Physical skills with good analytical skills and problem solving techniques.

1. M.Sc. (Chemistry) - At the completion of the course students will have in depth studies of chemical phenomena, recent trends in chemistry with teaching ability, capability to do research and to be employed in industries.

#### 1. Botany

1. UG (Hons.) - On the completion of the students will have well groomed concepts and information on trees and plants, forestry, biodiversity etc.

1. M.Sc. (Botany) - At the completion of the course, students will be equipped with good scientific acumen, creativity and eagerness to protect environment and to carry out researches, teaching and other similar jobs.

#### 1. Zoology

1. UG (Hons.) - On the completion of the course, The students will be familiar with the theory of human evolution, various systems of adaptation and dentition in mammals, creation of life by cell and health awareness in the society.

1. M.Sc. (Zoology) - On the completion of the course students will have sound base and in-depth knowledge of living organism at several levels of Zoological and Biological Organization from molecular, through to cells and whole organisms and eco-

system of all evolutionary perspectives.

1. Mathematics

1. UG (Hons.) - On the completion of B.Sc (Hons) Mathematics students will have critical understanding of solving complex problems, interpreting data, learning of theories of Mathematics and their application to the real world.

1

1. M.Sc. (Mathematics) - On the completion of M.Sc. (Math) student will develop problem solving skills in the field of Algebra, Analysis, Computational Techniques, Optimization, Differential Equations and will be able to become competent professional at global level.

1. Electronics

1. UG (Hons.) - On the completion of the course students will have ability to develop circuitry, designing devices and implementing them in laboratories and market. The will have sound knowledge about the structures and operation of semiconductor devices, analog and digital systems and communication.
1. M.Sc. (Zoology) - On the completion of the course program, students will develop critical ability to design and



incorporate instruments based on microprocessors, micro-controllers and power devices. They will have requisite skill and adroitness, mathematical and programming capability to compete at global market.

#### 1. Environmental Sciences

M.Sc. (Env. Sci.) - On the completion of the program the students will acquire cutting-edge knowledge, fundamental scientific principles of environmental, sustainability and development, Ecology, Biodiversity, Natural Resources, Forest, Water, Energy, Remote Sensing and GIS for environmental monitoring, Environmental Pollution and Solid Waste Management.

##### 1. B.Sc.(Hons.) EWM

On the completion of the course students will have interdisciplinary perspectives, in-depth domain knowledge, solid foundation on ecological, social, economic, legal and ethical dimensions of environment and water management issues, Arsenic, Fluoride Contamination, in-depth understanding of complex environmental and water issues.

##### 1. Biotechnology

1. UG (Hons.) - On the completion of the program, students will have strong foundation in Biological Sciences, Chemical and Biochemical Engineering, Microbiology, Chemistry, Biochemistry and Genetics. They will acquire practical skills to apply them in real situation like industries related to the field.

1. M.Sc. (Biotech) - On the completion of the program students

will be acquainted with inter-disciplinary perspectives and will acquire biotechnological laboratory skills to be used in industries. They will have an ability to apply the acquired skills in manufacturing, ethical and health safety.

1. (a) B.C.A

On the completion of the program, students will acquire technical comprehension in varied areas of Computer Application to be applied to computer based industries/ organization and to conducive environment in cultivating skills for thriving career and higher studies.

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1. (b) M.C.A

On the completion of the program, the students will acquire skills and ability to apply the computing technique with sound mathematical base and industrial concepts for solving the real time industrial problems. They will be able to analyse, design and develop. Test and maintain the software applications with latest computing tools and techniques.

1. B.Sc. (IT)

On the completion of the program, students will be equipped with ability and competence to work as an IT professional in the fields like Algorithms, Systems software, Multimedia Web design and Data Analytics for efficient design of computer based systems of varying complexities.

12. (a) BBM

On the completion of the program, students will be able to take up challenging careers in business and industries. This will provide in-depth studies of business to serve as foundation for higher studies. This will improve the analytical and computing skills of the students.

12. (b) MBA

On the completion of the program, the students will be adept and trained to face real challenges and global competitiveness through managerial skills. They will have an ability to emerge as entrepreneurs through industry exposure with varied business skills.

1. Geography

1. UG (Hons.) - On the completion of the program students will gain knowledge about places, landscapes, understanding and resolving issues about the environments, sustainable development, Earth and its resources.

1. M.A. (Geography) - On the completion of the program the students will have better understanding of Environment and Ecology, Spatial Economic Systems, Natural Resource Management, Urban Settlements, Agricultural Society, Regional Developments, Environment Impact Assessment geography of landscape etc. which will give them ability to work as cartographer, town-planner, resource manager etc.

## 1. Psychology

1. UG (Hons.) - On the completion of the program the students will have better understanding of basic theories underlying the human behavior, skills needed to solve the problems faced by human beings and students will be able to apply the skills gained during the program at clinical/industrial areas.

1. M.A. (Psychology) - On the completion of the course, the students will have critical understanding of measurement issues and techniques in psychological enquiry. It will provide strong research oriented theoretical and practical foundation in recent advances

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in psychology to the students. The will learn the application and contextual interpretation of from psychological measurements students will be able to have in-depth understanding of cognitive processes in terms of current theories models and application.

## 1. Economics

1. UG (Hons.) - On the completion of the program the students be equipped with adequate knowledge to analyses the Micro and Macro theories and to understand the working of Indian and world Economic Scenario and contribution of Business Statistics and Mathematics in Economic theories.

1. M.A. (Economics) - On the completion of the program, students

will be equipped with requisite knowledge and skills to evaluate pros cons and challenges of entrepreneurial ventures and insight into fields of energy economics, industrial economics, financial markets etc. They will be able to analyses the socio-political and economics issued related to national and international scenario, to utilize the research spheres of economics and to develop knowledge about monetary policy economic planning, production, demand, marketing options etc.

## 1. History

1. UG (Hons.) - On the completion of the program, students will have an understanding of post religion, customs, institutions, administration and present existing social, political, religious and economic conditions of the people. They will be able to develop practical skills like drawing of historical maps, charts diagrams, historical models etc. to facilitate understanding of historical events.

1. M.A. (History) - On the completion of the program, students will be able to analyze socio-economic, religious and political conditions of India through the ages, identify the important events of history of Bihar, to have a clear picture of world History and its impact in global economic environment and social contexts. They will have requisite knowledge about the developments of art, architecture and various styles of architecture in India.

## 1. Sociology

1. UG (Hons.) - On the completion of the program, students will be acquainted with social relations, social transactions, social formations, social control, social transactions, social formations, social control, social values and culture, social groups like tribal community. They will be able to know the

significance of social institutions, caste system, religion, nationalism, integrity, equality and justice.

1. M.A. (Sociology) - On the completion of the program, students will be able to comprehend fundamental concepts and theories in acquiring skills for sociological imagination, research methods and methodologies in studying social realities and to achieve critical sensibility towards social, economic and political processes and their impact, applying sociology and enhance employability.

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#### 1. Political Science

1. UG (Hons.) - On the completion of the program, students will be able to understand the concept and origin of power and different types of power relationship, government mechanism. Its functions duties and responsibilities, constitution of India, Political laws, attributes of appropriate and efficient political leaders.

1. M.A. (Political Science) - On the completion of the program, students will be able to understand the comparative politics, Indian Government and politics, Modern Political Ideologies, theory and practice of diplomacy, manner in which international systems work, Political Economy, social movements and contemporary concerns. It will lay solid foundation to carry out research in various spheres of Political Science.

#### 1. Philosophy

1. UG (Hons.) - On the completion of the program, students will be able to comprehend Epistemology, Metaphysics and Axiology and will be empowered with intellectual strength and power of ideas, a way of meaningful life.
  
1. M.A. (Philosophy) - At the completion of the program, students will be able to understand Indian and western philosophy including Vedas, and Upnishads, Bhagvad Gita, Samkhya, Yoga, Nyaya, Vaishesika, Purva Mimansa, Advaita, Dvaita, ideas of Socrates, Plato, Descartes, Hume, Kant, Hegel Marx, John Stuart Mill etc. It will help in understanding basic concepts of symbolic logics and will lay foundation for researches.
  
1. English
  
1. UG (Hons.) - Upon completion of the program, students will be able to understand the evolution, development of English literature, discern the Contemporary social, economic and political issues on national and international levels. They will be able to speak and write by enriching Vocabulary and articulating ideas in English.
  
1. M.A. (English) - Upon the completion of the program, students will exhibit definite mastery of English Language skills, and will develop skills of research through interpretation, critical thinking and clear writing. They will develop competency to evaluate teaching-learning process and command over the four basic communication skills, Listening, Speaking, Reading and Writing (LSRW). They will be able to develop and cultivate physical, intellectual, emotional, aesthetic, ethical and spiritual values to survive in global competitions.

1. Hindi



1. UG (Hons.) - Upon completion of the program, students will be able to comprehend Hindi Literature, Literary works, poetry etc. in more effective way and will develop competency in speaking, writing/expressing their thoughts cogently and comprehensibly.

1. M.A. (Hindi) - On completion of the program, students will have in-depth understanding of Hindi Literature, the relation between society and literature and role played by Hindi

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literature in past and present. They will develop proficiency in writing official writings and functional Hindi. Students will have mastery over the trends, movements and literary forms of ancient and modern Hindi Literature, new literary forms, media writing, electronic media and various new movements in Creative Writing.

1. Maithili

1. UG (Hons.) - Upon completion of the program, students will be able to comprehend Maithili Literature, Literary works, poetry etc. in more effective way and will develop

competency in speaking, writing/expressing their thoughts cogently and comprehensibly.

1. M.A. (Maithili) - On completion of the program, students will

have in-depth understanding of Maithili Literature, the relation between society and literature and role played by Hindi literature in past and present. They will develop proficiency in writing official writings and functional Maithili. Students will have mastery over the trends, movements and literary forms of ancient and modern Maithili Literature, new literary forms, media writing, electronic media and various new movements in Creative Writing.

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COURSE OUTCOMES (Cos)

1. Physics

1. To learn rudiments, terminologies, essential scruples of all branches of Physics.
1. To understand and interpret physical information, mathematical and graphical presentations.
1. To be able to perform experiments and interpret the result of observation.
1. To have sound foundation of Mathematics and its linkages to physics.
1. To use ICT to gather information and to gain requisite computer skills.

1. Chemistry

1. To impart broad outline of inorganic, organic and physical chemistry to students.
1. To develop ability to apply principles of chemistry to the problems.
1. To develop practical skills to do experiments.
1. To learn important analytical and instrumental tools for practical chemistry.
1. To be exposed to different processes used industries.
1. Botany
  1. To learn about general characteristics and classification, stelar evolution in pteridophytes, heterospory and origin of seed habit.
  1. To learn about structure, life history and Economic important.
  1. To acquire knowledge of fixation, dehydration, embedding.
  1. To be able to interpret and apply collected information and to use taxonomical information to evaluate and formulate a position of plant in taxonomy.

1. Zoology

1. To understand the evolution, history of phylum and non-chordata animals.
1. To understand the scope of cell biology study of organelles with their structures.
1. To understand phylum chordate basic concepts, external morphology and sexual dimorphism.
1. To understand culture of Goatary and Lac culture Various, Indian breads and their distribution and economical importans of lac cultivation.
1. To understand the various internal systems like Digestive system, Nervous systems, functions of Gemmules, spicules and economical importance of Mollescan shells.

1. Mathematics

1. To describe various forms of equations of plane, sphere, cone, cylinder.
1. To describe between roots and coefficiante, to solve reciprocal equations properties of prime numbers vision and Euclidean Algorithm.

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1. To compute sums, products, quotients, conjugate, modulus and argument of complex number, exponential and integral powers of complex number, parametrization of curves.

1. To understand countable and uncountable sets, holder, Minkowski inequality, concept of completeness, continuity of function, connectedness, subset of  $\mathbb{R}$ , compactness.

1. To define Vector space, Quotient space, Direct sum, linear transformations, rank, nullity simultaneous Linear Equations.

1. Electronics

1. To understand structure and operations of semiconductor devices, dc and ac analysis,

regulator and amplifiers, to design and analyse electronic circuits.

1. To understand number representation and conversion, analyse logical processes, implement logical operations including combinational logic.

1. To understand concept of sequential circuits and to analyse sequential systems.



1. To understand basic concepts of communication systems, AM, FM, PCM etc.

1. To understand the structure and operation of BJT, FET, MOSFET, UJT

1. Environmental Science

1. To understand core concepts and methods from ecological and physical sciences and their application in environmental problems.

1. To grasp ethical, cross-cultural and historical context of environmental issues.

1. To understand translational character of environmental problems and the ways of addressing them.

1. To apply systems concepts and methodology to analyse and understand interaction between social and environmental.

1. To acquire proficiency in quantitative methods and qualitative analysis.

1. Environmental and Water Management (EWM)

1. To understand earth processes, natural resources.

(ii) To know about pollution central and mitigation, alternative energy system, effects of global climate change.

1. To understand environmental engineering environmental issues and sustainable development.

1. To understand concepts of chemistry, physics and their application to environment.

1. To acquire the knowledge of terms, facts, practical techniques related to environment chemistry, environmental policy and conflict, wild-life, forestry, disaster management.

1. Bio-technology

1. To know about biotechnology products, scientific methodologies, bioethics, biological organization.

(ii) To distinguish between cellular organization of prokaryotic and eukaryotic cells.

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1. To understand the structure of DNA and RNA in the cell, DNA replication in the cell, structure of proteins, significance of amino acids.

1. Practical techniques, use of micropipettes, PH values, solution preparations.

1. The process of gel electrophoresis, characteristics of nucleic acids, classes of enzymes, effects of reaction conditions on enzyme activity.

1. BCA

1. To understand basic computer architecture, fundamental logic circuits, number systems,

conversions, CPU and its Components.

(ii) MS-Word, MS-PowerPoint, MS-Office, Programming in C, Data structure using C, Database Management System.

1. Software Engineering, Object oriented programming using C++, Operating system and

LINUX.

1. Computer base optimization technique, Web technology and PHP, Computer Networks.

1. Programming in JAVA, Advance PHP to acquire practical

knowledge of applications.

1. B.Sc. (IT)

1. Basic knowledge of Mathematics, Digital Electronics, computer fundamentals and programmes.

(ii) Design and analysis of algorithm, Telecommunication system, computers graphics.

1. System of programming, Computer Network.

1. To learn and understand about Internal Security, Visual Basic 6, SQL.

1. To understand embedded systems and programming, Web design and Internet based application, JAVA.

1. MCA

1. To understand and use programming Fundamentals, Computer organization,

Mathematical fundamental, data and file structure.

(ii) To be trained in operating systems, info system analysis

design and implementation.

1. To get practical exposure in programming Lab, UNIX and WINDOWS LAB, DBMSLAB, Visual Basic Lab.

1. To understand and use DBMS, Computer Communication Networks, object oriented

analysis, statistical computing.

1. To understand and use Network programming, Software Engineering, AI and application Optimization technique, computer Graphics and Animation.

1. BBM

1. To learn principle of Management, Business Communication and soft skills, Financial Accounting, Business Mathematics and Economic Environment of Business.

(ii) To understand Business Statistics, Managerial Economics, Cost Accounting.

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1. To learn Corporate Accounting, Entrepreneurship Development, Indian Financial System.

1. To understand International Finance, Income Tax, e-commerce.

1. To understand organizational behavior, Research Methodology, Financial Management and to learn General Hindi and General English

1. MBA

1. To learn and understand organization behavior, Marketing Management, Human

Resource Management.

(ii) To understand Managerial Economics, Quantitative Methods, Financial Accounting, Information Technology and Management.

1. Organisational change, Economic Environment of Business, Financial Management.

1. To understand Marketing Research, Legal Environment and Business, strategic Analysis

1. Business Ethics and Corporate Social Responsibility, International Business and Environment, Operation Management.

1. Geography

1. To learn fundamentals, nature and scope of Geography, Interrelation of Physical Geography with other branches of Science, classification of rocks, plate tectonics, Agents of Denundation, Land forms, Volcanoes.
  
1. To understands composition and structure of Atmosphere, Atmospheric Pressure and circulation, oceanography, Asia physiography, Structure climate, Natural Vegetation, Agro-climatic regions of Asia.
  
1. To learn enlargement and reduction of maps, cartograms, Multiple and compound diagrams, Interpretations of Tropological maps, Map projection practical works.
  
1. To understand structure, physiography, climate, origin and mechanism of India Mansoon, Agriculture, Major Crops, Industries.
  
1. To learn about structures and Relief, climate, soil problems, Major river valley projects, agricultural regions, urbanization, industrial regions, changing land use pattern specific to Bihar.
  
1. Psychology
  
1. To understand Nervous system, observation perception, characteristics and

determinants, Role of motivation, Thinking, Emotion Intelligence.

(ii) To learn about history of psychopathology, abnormality topographical and dynamic aspects of mind, Dreams, Neuroses, Psychoses, Psychopathic disorder, Mental retardation.

1. To know about methods of learning, -verbal learning sensory motor learning, Method of paired comparison span of attention distraction, education and Educational Psychology, Rating and Ranking, case-study Measurement of Intelligence.

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1. To learn about programmed learning Formal and distance education, Guidance and Counselling, Structuralism, Functionalism.

1. To understand Behaviorism, contributions of Freud, Jung Adlev to Psychology, Humanistic Psychology.

#### 1. Political Science

1. To understand nature and limitation of Political Science, State, Authority, Political ideas, democracy, Principles of working of state.

1. To learn about political systems and Functions, Executive, Legislative System, Judiciary System, Federal Systems, Process of Amendments in Constitution.



1. To understand Indian Political System, Philosophy and sources of idea, Indian Constitution, Directive Principles, Fundamental Rights and Duties, Central Governments- Legislative, Executive and Judiciary State Government- Legislative, Executive and Judiciary.

1. To learn about Public service commission and Election Commission, Indian Politics-Nature and Fundamentals, Castesim, Religion and Communalism, Pressure Groups, Local

1. To understand International Politics, India-US relations, India-Russia Relations, Cold war and rise of multi-polar worlds, SAARC, ASEAN, European Union, Non-Alignment-objectives and significance, Globalization.

1. Economics

1. To understand fundamentals of Economics, Nature and scope, Consumption, Demand-

concept and law of demand, Cost and Revenue, Production and Supply, Market, Distribution- Rent, Wage, Interest, Profit.

1. To learn concept of Money, Monetary policy, Inflation- concept and causes of Inflation, Inflationary gap, National Incomes, Investments- functions and concepts, Banking, International Trade.

1. To understand Micro and Macro Economic Theory, Concept of Market, Malthusian theory of Population, Theories of Rent, Interest and Wages, Money-theories, Function Inflation-Causes, Control measures, Bank, Taxation.

1. To know about Indian Economy-Characteristic, Challenges, Population, Govt. programs, Agriculture, Green Revolution, Land Reform Measures, Sources of Credit, Industries, un-

employment, Foreign Trade, Planning.

1. To understand the nature of public finance taxation policy, public expenditure, principles of federal finance, Public Enterprises, capital formation and growth, economic growth and planning, economic development of UK, USA, Russia and Japan, basics of statistics, Labour Economics.

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1. History

1. To learn about History of India from Earliest times to 1206 AD, Ancient History, Indus Valley Civilization, Cultural Patterns, Religious Movements, Age of Maurya Shung,

Kushan, Satvahnas, Gupta, Harshvardhan Palar, Pallavas, Advent of Arabs, Truks.

(ii) To learn about History of Great Britain, -personal rule of Charles, Civil war, rise of Cromwell, constitutional experiments, foreign policy, Georg-I, George-II, George-III Foreign policy of Walpole, Agricultural Revolution, Industrial Revolutio. The rise and progress of Labour party.

1. To understand essence of Indian History (1206 to 1752) Turkish Rule, Delhi sultanate, Vijayanagar empire, Lodis, Establishment of Mughal Rule. - Babar, Humayn, Akbar, Jahangir, Shahjahan, Aurangzeb Sur dynasty, Shershah, Deccans, Marathas under peshwa, Shivaji, cultural development, art, architecture and literature.

1. To learn about History of Modern Europe (1788-1945) French Revolution, Napoleon,

Revolutions of 1830, 1848., Napoleon -III, unification of Germany, world war-I Treaty of Versailles, Russian Revolution 1917, Leagal of Nations, Rise of Nazism in Germany.

1. To understand History of India (1757-1857), Economic change (1757-1857), Land Revenue Settlement, reforms of Raja Ram Mohan Rai, Revolt of 1857, History of India (1858-1947), National Movements, Second world war, Indian National congress, Quit India movement, cabinet Mission, History of China and Japan, Burma, Malaya, History of West Asia.

1. Sociology

1. To understand fundamentals of sociology, nature and scope, social groups, social

establishment, social structure, culture, family, social changes, Indians society, caste system, Muslim marriages, village community, position of women in Indian society.

1. To learn about Indian social Institutions, Indian caste system, Panchayati Raj - special reference to Bihar, community Development, Social Psychology.

1. To understand significance of social Research, Scientific Methods, Hypothesis, Social Surveys, Sociometry, Research Methodologies.

1. To understand social thoughts, August Comte, Hererl Spences, L.H. Morgan, Kare Mary,

Wilfred Pareto, Talcott Parsons, Raja Ram Mohan Roy, Vivekanand, Mahatma Gandhi.

1. To learn about Rural Sociology, rural society, rural family, rural social structure, rural development, Social disintegration, Social Problems, Urbanization, Migration, Demography, Industrial Sociaology.

1. Philosophy

1. To understand basic features of Indian Philosophy, Charvaka, Jainism, Buddhism, Nyaya, Vaisesika, Sankhya, Yoga, Mimansha,

Advait Vedanta, Vishistdyaita Vedanta, nature of

philosophy and its relation with science, Epistemology and Metaphysics.

(ii) To understand basic of Ethics, Moral, Non-Moral Actions, Punishment, Indian Ethics.

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1. To know about history of Modern & Western Philosophy, Rene Descartes, Benedict Spinoza Gottfried Wilhelm Leibnitz, Jaha Locke, George Burkley, David Hume, Inomanual Kant.

1. To understand philosophy of religion, Social and Political Philosophy.

1. To understand Logic and Analysis, Argument and Argument forms, Tautology, concepts, Modern Indian Philosophy.

1. English

1. To learn about History of English Literature, Dialects of Middles English, word formation, Borrowings, Chaucer Donne, Milton Pope, Coleridge Arnolds.

1. To study Dr. Faustus, Marlowe, Macbeth, Shakespeare, Valpone, Ben Jonson, The way of world, Congreve. The Rivals, Sheridan, Gulliver's Travels- Jonathan Swift, Pride and Prejudice, Jane Austen, Great Expectation, Charles Dickens, Far from Madding Crowd,

1. To understand literary criticism, Aristotle-poetics, Loginus-on the sublime, Horace-Art of Poetica Johnson- Life of Cowley, Dryden -Essay of Dramatic Poetry, Mathew Arnold - The study of poetry T.S. Eliot - Tradition and Individual talent.

1. To study books of authors, W.B. Reats- Sailing in By Zantium, Among School Children, The Second Coming, T.S Eliot - Hollowman, Love song of Alfred Prufock, Gerontion, G.B. Shaw - Pygmatian, D.M. Lawrence - The Fox, Ernest Hemingwar - The old Man and the sea, Virginia woolf - To the Light House

1. To study Indian poetry in English, of H.L.V. Derozio, R.N. Tagore, S.Ashutosh, T.Dutt, S.Naidu, N.Ezekiel, K.Das, A.K. ramanujan, K.N. Daruwala, S.K. Kuar, J.Mahapatra, Literary Heritage, Indian Fictions .

1. Hindi

1. To read and understand Bhakti and Rectikavya of Kabir, Jaisi, Tulsidas, Meerabai, Bihari.

(ii) To study and learn about Literary stories, Drama and Essays of Bhagwate Charan Verma, Phanishwar Nath Renu, Jaishankar Prasad, Dr. Sunil Kumar, Development of Essays.

1. To learn about Modern Poetry of Jaishankar Prasad, Suryakant Tripathi Nirala, Sumitra Nandan Pant, Mahadevi, Ramdhari Singh Dinkar, Harivansh Rai Bachchan, Ageya, Dharmvir Bharati, Bhawani Prasad Mishra.

1. To learn about history of Hindi Literature, Indian Poetry and Principles of Indian and

1. To understand, Art of Writing, Workable Hindi, Official Hindi, Business Hindi, Translation, journalism, Technical words, Sagun Bhakti Kavya- Bhramar Geet of Surdas, KavitaVali of Tulsidas, Raskhan, Meera Bai, Public Literature.

1. Maithili

1. To understand Maithili Language and Ghardhekhia, Prithvi Putra.

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1. To learn about drama in Maithili of Kavivar Jeevan Jha, Chhatranand Singh, Kishori Yadava, Mahendra Malangia.

1. To understand Maithili Poetry Literature, Maithili Language Literature, Kavyashobtra and Criticism.

1. To understand Maithili Rachana, VidyaPati Geet, Govind Das Bhajnasali,

1. To learn about Essays and Prose in Maithili, History of Maithili Literature Ancient Poetry Literature.

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File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

#### COURSE OUTCOMES (Cos)

##### 1. Physics

1. To learn rudiments, terminologies, essential scruples of all branches of Physics.

1. To understand and interpret physical information, mathematical and graphical presentations.

1. To be able to perform experiments and interpret the result of observation.

1. To have sound foundation of Mathematics and its linkages to physics.

1. To use ICT to gather information and to gain requisite computer skills.

1. Chemistry

1. To impart broad outline of inorganic, organic and physical chemistry to students.

1. To develop ability to apply principles of chemistry to the problems.

1. To develop practical skills to do experiments.

1. To learn important analytical and instrumental tools for practical chemistry.

1. To be exposed to different processes used industries.

1. Botany

1. To learn about general characteristics and classification, stelar evolution in pteridophytes, heterospory and origin of seed habit.
  
1. To learn about structure, life history and Economic important.
  
1. To acquire knowledge of fixation, dehydration, embedding.
  
1. To be able to interpret and apply collected information and to use taxonomical information to evaluate and formulate a position of plant in taxonomy.
  
1. Zoology
  
1. To understand the evolution, history of phylum and non-chordata animals.
  
1. To understand the scope of cell biology study of organelles with their structures.
  
1. To understand phylum chordate basic concepts, external morphology and sexual dimorphism.
  
1. To understand culture of Goatary and Lac culture Various, Indian breads and their distribution and economical importans of lac cultivation.

1. To understand the various internal systems like Digestive system, Nervous systems, functions of Gemmules, spicules and economical importance of Mollescan shells.

#### 1. Mathematics

1. To describe various forms of equations of plane, sphere, cone, cylinder.

1. To describe between roots and coefficiente, to solve reciprocal equations properties of prime numbers vision and Euclidean Algorithm.

7

1. To computer sums, products, quotients, conjugate, modulus and argument of complex number, exponential and integral powers of complex number, parametrization of curves.

1. To understand countable and uncountable sets, holder, Minkowski inequality, concept of completeness, continuity of function, connectdness, subset of R, compactness.

1. To define Vector space, Quatient space, Direct sum, linear transformations, rank, nullity simultaneous Linear Equations.

#### 1. Electronics

1. To understand structure and operations of semiconductor devices, dc and ac analysis,

regulator and amplifiers, to design and analyse electronic circuits.

1. To understand number representation and conversion, analyse logical processes, implement logical operations including combinational logic.

1. To understand concept of sequential circuits and to analyse sequential systems.

1. To understand basic concepts of communication systems, AM, FM, PCM etc.

1. To understand the structure and operations of BJT, FET, MOSFET, UJT

1. Environmental Science

1. To understand core concepts and methods from ecological and physical sciences and their application in environmental problems.

1. To grasp ethical, cross-cultural and historical context of environmental issues.

1. To understand translational character of environmental problems and the ways of addressing them.
  
1. To apply systems concepts and methodology to analyse and understand interaction between social and environmental.
  
1. To acquire proficiency in quantitative methods and qualitative analysis.
  
1. Environmental and Water Management (EWM)
  
1. To understand earth processes, natural resources.
  
- (ii) To know about pollution central and mitigation, alternative energy system, effects of global climate change.
  
1. To understand environmental engineering environmental issues and sustainable development.
  
1. To understand concepts of chemistry, physics and their application to environment.
  
1. To acquire the knowledge of terms, facts, practical techniques related to environment chemistry, environmental policy and conflict, wild-life, forestry, disaster management.
  
1. Bio-technology

1. To know about biotechnology products, scientific methodologies, bioethics, biological organization.

(ii) To distinguish between cellular organization of prokaryotic and eukaryotic cells.

8

1. To understand the structure of DNA and RNA in the cell, DNA replication in the cell, structure of proteins, significance of amino acid.

1. Practical techniques, use of micropipettes, PH values, solution preparations.

1. The process of gel electrophoresis, characteristics of nucleic acids, classes of enzymes, effects of reaction conditions on enzyme activity.

1. BCA

1. To understand basic computer architecture, fundamental logic circuits, number systems,

conversions, CPU and its Components.



(ii) MS-Word, MS-PowerPoint, MS-Office, Programming in C, Data structure using C, Database Management System.

1. Software Engineering, Object oriented programming using C++, Operating system and

LINUX.

1. Computer base optimization technique, Web technology and PHP, Computer Networks.

1. Programming in JAVA, Advance PHP to acquire practical knowledge of applications.

1. B.Sc. (IT)

1. Basic knowledge of Mathematics, Digital Electronics, computer fundamentals and programmes.

(ii) Design and analysis of algorithm, Telecommunication system, computers graphics.

1. System of programming, Computer Network.

1. To learn and understand about Internal Security, Visual Basic 6, SQL.

1. To understand embedded systems and programming, Web design and Internet based application, JAVA.

1. MCA

1. To understand and use programming Fundamentals, Computer organization,

Mathematical fundamental, data and file structure.

(ii) To be trained in operating systems, info system analysis design and implementation.

1. To get practical exposure in programming Lab, UNIX and WINDOWS LAB, DBMSLAB, Visual Basic Lab.

1. To understand and use DBMS, Computer Communication Networks, object oriented

analysis, statistical computing.

1. To understand and use Network programming, Software Engineering, AI and application Optimization technique, computer Graphics and Animation.

1. BBM

1. To learn principle of Management, Business Communication and soft skills, Financial Accounting, Business Mathematics and Economic Environment of Business.

(ii) To understand Business Statistics, Managerial Economics, Cost Accounting.

9

1. To learn Corporate Accounting, Entrepreneurship Development, Indian Financial System.

1. To understand International Finance, Income Tax, e-commerce.

1. To understand organizational behavior, Research Methodology, Financial Management and to learn General Hindi and General English

1. MBA

1. To learn and understand organization behavior, Marketing Management, Human

Resource Management.

(ii) To understand Managerial Economics, Quantitative Methods, Financial Accounting, Information Technology and Management.

1. Organisational change, Economic Environment of Business, Financial Management.
  
1. To understand Marketing Research, Legal Environment and Business, strategic Analysis
  
1. Business Ethics and Corporate Social Responsibility, International Business and Environment, Operation Management.
  
1. Geography
  
1. To learn fundamentals, nature and scope of Geography, Interrelation of Physical Geography with other branches of Science, classification of rocks, plate tectonics, Agents of Denundation, Land forms, Volcanoes.
  
1. To understands composition and structure of Atmosphere, Atmospheric Pressure and circulation, oceanography, Asia physiography, Structure climate, Natural Vegetation, Agro-climatic regions of Asia.
  
1. To learn enlargement and reduction of maps, cartograms, Multiple and compound diagrams, Interpretations of Tropological maps, Map projection practical works.
  
1. To understand structure, physiography, climate, origin and mechanism of India Mansoon, Agriculture, Major Crops, Industries.

1. To learn about structures and Relief, climate, soil problems, Major river valley projects, agricultural regions, urbanization, industrial regions, changing land use pattern specific to Bihar.

1. Psychology

1. To understand Nervous system, observation perception, characteristics and

determinants, Role of motivation, Thinking, Emotion Intelligence.

(ii) To learn about history of psychopathology, abnormality topographical and dynamic aspects of mind, Dreams, Neuroses, Psychoses, Psychopathic disorder, Mental retardation.

1. To know about methods of learning, -verbal learning sensory motor learning, Method of paired comparison span of attention distraction, education and Educational Psychology, Rating and Ranking, case-study Measurement of Intelligence.

10

1. To learn about programmed learning Formal and distance education, Guidance and Counselling, Structuralism, Functionalism.

1. To understand Behaviorism, contributions of Freud, Jung Adlev

to Psychology, Humanistic Psychology.

1. Political Science

1. To understand nature and limitation of Political Science, State, Authority, Political ideas, democracy, Principles of working of state.
1. To learn about political systems and Functions, Executive, Legislative System, Judiciary System, Federal Systems, Process of Amendments in Constitution.
1. To understand Indian Political System, Philosophy and sources of idea, Indian Constitution, Directive Principles, Fundamental Rights and Duties, Central Governments- Legislative, Executive and Judiciary State Government- Legislative, Executive and Judiciary.
1. To learn about Public service commission and Election Commission, Indian Politics-Nature and Fundamentals, Castesim, Religion and Communalism, Pressure Groups, Local
1. To understand International Politics, India-US relations, India-Russia Relations, Cold war and rise of multi-polar worlds, SAARC, ASEAN, European Union, Non-Alignment-objectives and significance, Globalization.

1. Economics

1. To understand fundamentals of Economics, Nature and scope, Consumption, Demand-

concept and law of demand, Cost and Revenue, Production and Supply, Market, Distribution- Rent, Wage, Interest, Profit.

1. To learn concept of Money, Monetary policy, Inflation- concept and causes of Inflation, Inflationary gap, National Incomes, Investments- functions and concepts, Banking, International Trade.

1. To understand Micro and Macro Economic Theory, Concept of Market, Malthusian theory of Population, Theories of Rent, Interest and Wages, Money-theories, Function Inflation- Causes, Control measures, Bank, Taxation.

1. To know about Indian Economy-Characteristic, Challenges, Population, Govt. programs, Agriculture, Green Revolution, Land Reform Measures, Sources of Credit, Industries, un-

employment, Foreign Trade, Planning.

1. To understand the nature of public finance taxation policy, public expenditure, principles of federal finance, Public Enterprises, capital formation and growth, economic growth and planning, economic development of UK, USA, Russia and Japan, basics of statistics, Labour Economics.

11

1. History

1. To learn about History of India from Earliest times to 1206 AD, Ancient History, Indus Valley Civilization, Cultural Patterns, Religious Movements, Age of Maurya Shung,

Kushan, Satvahnas, Gupta, Harshvardhan Palar, Pallavas, Advent of Arabs, Truks.

(ii) To learn about History of Great Britain, -personal rule of Charles, Civil war, rise of Cromwell, constitutional experiments, foreign policy, Georg-I, George-II, George-III Foreign policy of Walpole, Agricultural Revolution, Industrial Revolutio. The rise and progress of Labour party.

1. To understand essence of Indian History (1206 to 1752) Turkish Rule, Delhi sultanate, Viajayanagar empire, Lodis, Establishment of Mughal Rule. - Babar, Humayn, Akbar, Jahangir, Shahjahan, Aurangzeb Sur dynasty, Shershah, Deccans, Marathas under peshwa, Shivaji, cultural development, art, architecture and literature.

1. To learn about History of Modern Europe (1788-1945) French Revolution, Napoleon,

Revolutions of 1830, 1848., Napoleon -III, unification of Germany,



world war-I Treaty of Versailles, Russian Revolution 1917, League of Nations, Rise of Nazism in Germany.

1. To understand History of India (1757-1857), Economic change (1757-1857), Land Revenue Settlement, reforms of Raja Ram Mohan Rai, Revolt of 1857, History of India (1858-1947), National Movements, Second world war, Indian National congress, Quit India movement, cabinet Mission, History of China and Japan, Burma, Malaya, History of West Asia.

## 1. Sociology

1. To understand fundamentals of sociology, nature and scope, social groups, social

establishment, social structure, culture, family, social changes, Indian society, caste system, Muslim marriages, village community, position of women in Indian society.

1. To learn about Indian social Institutions, Indian caste system, Panchayati Raj - special reference to Bihar, community Development, Social Psychology.

1. To understand significance of social Research, Scientific Methods, Hypothesis, Social Surveys, Sociometry, Research Methodologies.

1. To understand social thoughts, August Comte, Herberl Spences, L.H. Morgan, Karl Marx,

Wilfred Pareto, Talcott Parsons, Raja Ram Mohan Roy, Vivekanand, Mahatma Gandhi.

1. To learn about Rural Sociology, rural society, rural family, rural social structure, rural development, Social disintegration, Social Problems, Urbanization, Migration, Demography, Industrial Socialogy.

1. Philosophy

1. To understand basic features of Indian Philosophy, Charvaka, Jainism, Buddhism, Nyaya, Vaisesika, Sankhya, Yoga, Mimansha, Advait Vedanta, Vishistdyaita Vedanta, nature of

philosophy and its relation with science, Epistemology and Metaphysics.

(ii) To understand basic of Ethics, Moral, Non-Moral Actions, Punishment, Indian Ethics.

12

1. To know about history of Modern & Western Philosophy, Rene Descartes, Benedict Spinoza Gottfried Wilhelm Leibnitz, Jaha Locke, George Burkley, David Hume, Inomanual Kant.

1. To understand philosophy of religion, Social and Political Philosophy.

1. To understand Logic and Analysis, Argument and Argument forms, Tautology, concepts, Modern Indian Philosophy.

1. English

1. To learn about History of English Literature, Dialects of Middle English, word formation, Borrowings, Chaucer, Donne, Milton, Pope, Coleridge, Arnold.

1. To study Dr. Faustus, Marlowe, Macbeth, Shakespeare, Valpone, Ben Jonson, The way of world, Congreve. The Rivals, Sheridan, Gulliver's Travels- Jonathan Swift, Pride and Prejudice, Jane Austen, Great Expectation, Charles Dickens, Far from Madding Crowd,

1. To understand literary criticism, Aristotle-poetics, Longinus-on the sublime, Horace-Art of Poetica Johnson- Life of Cowley, Dryden -Essay of Dramatic Poetry, Matthew Arnold - The study of poetry T.S. Eliot - Tradition and Individual talent.

1. To study books of authors, W.B. Yeats- Sailing in Byzantium, Among School Children, The Second Coming, T.S Eliot - Hollowland, Love song of Alfred Prufrock, Gerontion, G.B. Shaw - Pygmalion, D.M. Lawrence - The Fox, Ernest Hemingway - The old Man and the sea, Virginia Woolf - To the Lighthouse

1. To study Indian poetry in English, of H.L.V. Derozio, R.N. Tagore, S.Ashutosh, T.Dutt, S.Naidu, N.Ezekiel, K.Das, A.K. Ramanujan, K.N. Daruwala, S.K. Kuar, J.Mahapatra, Literary Heritage, Indian Fictions .

1. Hindi

1. To read and understand Bhakti and Rectikavya of Kabir, Jaisi, Tulsidas, Meerabai, Bihari.

(ii) To study and learn about Literary stories, Drama and Essays of Bhagwate Charan Verma, Phanishwar Nath Renu, Jaishankar Prasad, Dr. Sunil Kumar, Development of Essays.

1. To learn about Modern Poetry of Jaishankar Prasad, Suryakant Tripathi Nirala, Sumitra Nandan Pant, Mahadevi, Ramdhari Singh Dinkar, Harivansh Rai Bachchan, Ageya, Dharmvir Bharati, Bhawani Prasad Mishra.

1. To learn about history of Hindi Literature, Indian Poetry and Principles of Indian and

1. To understand, Art of Writing, Workable Hindi, Official Hindi, Business Hindi, Translation, journalism, Technical words, Sagun Bhakti Kavya- Bhramar Geet of Surdas, KavitaVali of Tulsidas, Raskhan, Meera Bai, Public Literature.

1. Maithili

1. To understand Maithili Language and Ghardhekhia, Prithvi Putra.

13

1. To learn about drama in Maithili of Kavivar Jeevan Jha, Chhatranand Singh, Kishori Yadava, Mahendra Malangia.
  
1. To understand Maithili Poetry Literature, Maithili Language Literature, Kavyashobtra and Criticism.
  
1. To understand Maithili Rachana, VidyaPati Geet, Govind Das Bhajnasali,
  
1. To learn about Essays and Prose in Maithili, History of Maithili Literature Ancient Poetry Literature.

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

### 2.6.3 - Pass percentage of Students during the year

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

2666

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

## 2.7 - Student Satisfaction Survey

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

[https://www.ancpatna.ac.in/Menu/NAAC/naac\\_AOAR.php](https://www.ancpatna.ac.in/Menu/NAAC/naac_AOAR.php)

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Resource Mobilization for Research

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

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

465.87

File Description	Documents
Any additional information	<a href="#">View File</a>
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	No File Uploaded

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**

**3.1.2.1 - Number of teachers recognized as research guides**

62

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

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

5

File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

### 3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

We are striving hard for establishment of an incubation centre to promote the cultural of innovation and entrepreneurship.

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

### 3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

22

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.3 - Research Publications and Awards

#### 3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

##### 3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

10

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	No File Uploaded
Any additional information	<a href="#">View File</a>

#### 3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

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

22

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

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

##### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year



5

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.4 - Extension Activities

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

NSS of our college work incessantly with tinacity to help the masses during the covid. Our volunteers helped the administration in maintaining social distancing in banks, railway station etc and also helped the Health Department, Govt. of Bihar in vaccination drive as well as association with CARE India, the awarness program to propagate the message of necessity of vaccination.

File Description	Documents
Paste link for additional information	<a href="https://www.ancpatna.ac.in/Menu/NAAC/naac_AOAR.php">https://www.ancpatna.ac.in/Menu/NAAC/naac_AOAR.php</a>
Upload any additional information	No File Uploaded

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

**3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

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

**3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS**

awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year

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

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

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

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

**3.5 - Collaboration**

**3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year**

**3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year**

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	No File Uploaded

### 3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

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

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

2020-21 had three distinct phases (i) one from July 2020- November 2020 the first wave of COVID 19 in which online activities played dominant role (ii) the second the diminishing phase of the first wave( December2020- March 2021) in which physical infrastructures with proper sanitization played pivotal role and (iii) the third during rise of the second wave of COVID 19 and consequent Lockdown period in which digital platform proved to be of immense significance and utility. Physical facilities and academic facilities form the integral part for effective implementation of the curriculum through quality teaching and learning process. The Principal, Routine incharge in consultation with HoDs strive to provide conducive ambience by allocation of spaces, classrooms, laboratories, access to computers etc. to different departments

along with adequate infrastructural support for carrying out curricular, cocurricular, extracurricular and research activities. Each department has its own classrooms in which lectures are delivered. Practical subjects like Physics, Chemistry, Botany, Zoology, Electronics, Environmental Sciences, Environment and Water Management, Biotechnology, MCA, BCA, MBA, BBM, Geography, Psychology etc. have their own laboratories/computer labs and these facilities are optimally utilized as per the requirements. Common facilities like sports, separate common rooms for boys and girls, canteen etc. are made available to all. With the permission of sports incharge, sport's field, sports kits are given to students for sports activities. Each department conducts classes as per the routine and the curriculum in its allocated space. Expert departments are assigned the jobs of imparting teachings in Ability Enhancing Compulsory Courses (AECC), Ability Enhancing Courses (AEC) and Generic Electives (GE). The library has a Library Advisory Committee along with Prof-incharge library. The college has a Central library along with seminar library in each departments and student can avail the facilities by showing IDs issued by the college/department and adhering to rules/procedures of the library. Service is provided to the students at "book issuing and return" counter. In Hall of boys and girls, magazines and newspapers are also displayed. Helps are rendered by library staffs in locating books, journals and reference books. Computers are installed at various laboratories, departments, library, administrative offices, international office, Language Lab, Placement and Guidance Cell etc. and these are used by students during computer practical, online studies etc. with the proper permission of the departmental authorities/ incharge of computer labs. All the departments and laboratories including Library have computers and printers with WiFi facilities and these are accessible to students through proper permission of the authorities. Each department has KYans (projector cum computer) which enables ICT teaching and learning process. The college strives assiduously to evolve policies and strategies that promote participation of students in curricular, Cocurricular and extracurricular activities. The policies and strategies adopted by the college for maintaining and utilizing physical and academic facilities are (i) Augmenting and expanding infrastructures for laboratories, classrooms, sports etc. (ii) Organizing cultural events, games and sports, Yuva Mahotsava, Quiz competitions, Seminar workshops etc. (iii) Proper allocation of funds for enhancement, maintenance of infrastructure and its optimum utilization. (iv) Acquisition of funds from state, central governments and other funding agencies for augmenting and expanding infrastructure During unprecedented situation due to COVID -19 pandemic, digital platforms, digital contents, online lectures etc. were only options

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

College provide adequate facilities for promotion of sports and cultural activities. It has large football and cricket ground, basket ball court, badminton court, gymnasium etc. It also holds Yuva Mahotsav for cultural promotions.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

10

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

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

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

25

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

## 4.2 - Library as a Learning Resource

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

- OPAC ((On-line Public Access Catalog) : In Library, Soul 2.0 Integrated Library Management Software designed and developed by INFLIBNET Centre has been implemented. It facilitates highly versatile and user-frendly OPAC with simple and advance search OPAC user can export their search results into PDF, Word, Excel, MARXML etc.
- Electronic Resource Management package for e-journals: Soul 2.0 supports multi-platform for bibliographic database such as MYSQL, MS-SQL orange RDBMS and others. It supports cataloguing of electronic resources such as e-journals, e-books, virtually any type of material.
- Federated searching tools to search articles in multiple databases: The software supports multipled databases / multi-platform such as MY SQL, MS - SQL or any other RDBMS to search articles.
- Library Website: At present the library has no website solely dedicated to it but attempts are being made in this direction.
- In-house/remote access to e-publications: The college library uses the electronic resources provided by INFLIBNET Centre.
- Library automation: The library is automated and compliant to NCIP 2.0 protocol for RFID and other related applications especially for electronic surveillance and self-check-out and check-in.
- Total number of computers for public access: There are 29 computers in the library and out of these 20 computers are meant for public access.
- Total numbers of printers for public access: Three printers are available in the library and one of them is available for faculty members. Students can only use printers with permission of Librarian.
- Internet band width/ speed: The college library has the internet speed of 10 Mbps.



Institutional Repository / content manage system for e-learning / participation in resource Sharing Network consortia (like INFLIBNET): At present these facilities are not available but since, Soul 2.0 of INFLIBNET centre has been implemented in the library, therefore attempts are being made to avail the resource sharing network of the consortium of INFLIBNET.

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

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

**B. Any 3 of the above**

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

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

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

0.05

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

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

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

27000

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

**4.3 - IT Infrastructure****4.3.1 - Institution frequently updates its IT facilities including Wi-Fi**

All the departments and laboratories including the library, Administrative office etc. have computers and printers. As the computers are Wi-Fi enabled, therefore internet facility is accessible. Most of the laboratories, administrative offices etc. have on-line UPS to provide un-interrupted power back-up.

To keep pace with changing trends in software and hardware, the college keeps on updating and upgrading the IT infrastructure and associated facilities. As the computers, projectors etc. form integral parts of technology enabled teaching and learning processes, the college has replaced some of the computers of computer department with core i5 computers. The old computers are transferred to the places where high end users are not required. The college is successful to lay underground optical fibre network with the help of L & T to make the campus Wi-Fi enabled. As a result of it, all the classes rooms have Wi-Fi facility to enable ICT teaching and learning process with the help of portable community computer K-Yan or LCD projectors.

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

**4.3.2 - Number of Computers**

352



File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	No File Uploaded

**4.3.3 - Bandwidth of internet connection in the Institution** A. ? 50MBPS

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

#### 4.4 - Maintenance of Campus Infrastructure

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

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

165

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

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

2020-21 had three distinct phases (i) one from July 2020- November 2020 the first wave of COVID 19 in which online activities played dominant role (ii) the second the diminishing phase of the first wave( December2020- March 2021) in which physical infrastructures with proper sanitization played pivotal role and (iii) the third during rise of the second wave of COVID 19 and consequent Lockdown period in which digital platform proved to be of immense

significance and utility. Physical facilities and academic facilities form the integral part for effective implementation of the curriculum through quality teaching and learning process. The Principal, Routine incharge in consultation with HoDs strive to provide conducive ambience by allocation of spaces, classrooms, laboratories, access to computers etc. to different departments along with adequate infrastructural support for carrying out curricular, cocurricular, extracurricular and research activities. Each department has its own classrooms in which lectures are delivered. Practical subjects like Physics, Chemistry, Botany, Zoology, Electronics, Environmental Sciences, Environment and Water Management, Biotechnology, MCA, BCA, MBA, BBM, Geography, Psychology etc. have their own laboratories/computer labs and these facilities are optimally utilized as per the requirements. Common facilities like sports, separate common rooms for boys and girls, canteen etc. are made available to all. With the permission of sports incharge, sport's field, sports kits are given to students for sports activities. Each department conducts classes as per the routine and the curriculum in its allocated space. Expert departments are assigned the jobs of imparting teachings in Ability Enhancing Compulsory Courses (AECC), Ability Enhancing Courses (AEC) and Generic Electives (GE). The library has a Library Advisory Committee along with Prof-incharge library. The college has a Central library along with seminar library in each departments and student can avail the facilities by showing IDs issued by the college/department and adhering to rules/procedures of the library. Service is provided to the students at "book issuing and return" counter. In Hall of boys and girls, magazines and newspapers are also displayed. Helps are rendered by library staffs in locating books, journals and reference books. Computers are installed at various laboratories, departments, library, administrative offices, international office, Language Lab, Placement and Guidance Cell etc. and these are used by students during computer practical, online studies etc. with the proper permission of the departmental authorities/ incharge of computer labs. All the departments and laboratories including Library have computers and printers with WiFi facilities and these are accessible to students through proper permission of the authorities. Each department has KYans (projector cum computer) which enables ICT teaching and learning process. The college strives assiduously to evolve policies and strategies that promote participation of students in curricular, Cocurricular and extracurricular activities. The policies and strategies adopted by the college for maintaining and utilizing physical and academic facilities are (i) Augmenting and expanding infrastructures for laboratories, classrooms, sports etc. (ii) Organizing cultural events, games and sports, Yuva Mahotsava, Quiz competitions, Seminar workshops etc. (iii) Proper

allocation of funds for enhancement, maintenance of infrastructure and its optimum utilization. (iv) Acquisition of funds from state, central governments and other funding agencies for augmenting and expanding infrastructure During unprecedented situation due to COVID -19 pandemic, digital platforms, digital contents, online lectures etc. were only options

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

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

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

2562

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

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

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

38

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

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

A. All of the above

File Description	Documents
Link to Institutional website	<a href="https://www.ancpatna.ac.in/Menu/NAAC/naac_AO_AR.php">https://www.ancpatna.ac.in/Menu/NAAC/naac_AO_AR.php</a>
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	No File Uploaded

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

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

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of**

A. All of the above

**online/offline students' grievances Timely redressal of the grievances through appropriate committees**

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

**5.2 - Student Progression**

**5.2.1 - Number of placement of outgoing students during the year**

**5.2.1.1 - Number of outgoing students placed during the year**

41

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	No File Uploaded

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

**5.2.2.1 - Number of outgoing student progression to higher education**

1132

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

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

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

**214**

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	No File Uploaded

**5.3 - Student Participation and Activities**

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

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

**5**

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

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

The students of the college participate in various sports, cultural and extra-curricular activities including NSS and NCC. The indoor games, include Badminton, Table Tennis, Chess, Carrom, Weight Lifting. The outdoor games Cricket, Football, Volleyball, Kabbaddi, etc. Students also participate in wrestling.

NSS and NCC have played active role in awareness programmes on social issues, health issues, relief operation, environmental protection etc.

N.S.S.: NSS wing of the college has extensively offered its services to the society. Extension activities provide a link between the college and the society and this may provide the impetus for social progress. One volunteer of NSS was selected for Republic Day parade in New Delhi. This Wing has participated actively in "Youth Exchange Programme" with South Korea. NSS boys have offered voluntarily their helping hands to the Govt. of Bihar in distribution of 'old age pension'. The major achievements of NSS during last four years are

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

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

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

3



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

#### 5.4 - Alumni Engagement

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

Alumni are institution's most loyal supports. They may contribute significantly to the development of their alma-mater. Alumni meetings are held once every year in which they provide their valuable feedbacks. The college is striving for building a strong alumni network for enrichment and progression of the its students.

Alumni Association of the college takes interest and contribute positively in the developmental activities in the college. Even during the Lockdown, Alumni Association online meeting was held on 25th July, 2020. A N College, Patna has registered Alumni Association. Election is held every two year for office bearer and constitution of executive committee. It has well charted memorandum of association and it is conducted by the rules framed therein. Alumni get registered through college website and in addition to it they are well connected to teachers and other alumni through various whatsapp groups, facebook, twitter etc. They actively take interest in the affairs of the institutions and offer valuable suggestions. They help their junior students in making choices for career and guide them accordingly. The also participate in various campaigns like environmental protection and preservation, road safety, energy conservation etc. An alumnus of our college , conducted a Student Development Program on " Machine Learning; Logistic Regression" and also proposed MoU to train students of our college.



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

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**

**E. <1Lakhs**

File Description	Documents
Upload any additional information	No File Uploaded

## **GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 - Institutional Vision and Leadership**

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

Vision statement delineates our long term aspirational goal to provide high quality, affordable education to all without any discrimination. It emphasizes on holistic education that contribute significantly to the rapidly changing society. The vision statement nurture our hopes that the students of our college would have knock for solving growing demands of the society, germinating innovative ideas, building cultural understand, and modelling environment to face global sustainability challenges.

The Mission statement dictates the course of our current operations like promoting scientific temper among the students, in-calculating human and cultural values for holistic growth. The college is imparting and promoting higher education in consonance with UGC norms. All activities of this college are planned and executed with the aim of providing the students of Bihar an ideal learning environment and platform to assert themselves in all spheres of life and to embark upon a career of skilled professional in diverse global environment. We encourage critical thinking and analytical skills among our students as well as, foster a sense of respect for gender equality and individuals right in a multi-cultural society. At the same time, the values and ethos of Indian culture our transmitter to the students through myriads of cultural and sports activities. In this NSS and NCC play a crucial role.

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

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

The Principal is the academic and administrative Head of the institution. He heads all the committees of the college as chairman. The Principal, IQAC and Planning Board prepared the road map of development of the college and articulate guidelines to manifest qualitative improvement in teaching and learning environment with ethos to achieve academic excellence. The Principal is the chairman of IQAC, which plays a pivotal role in ensuring effective communication and requisite networking with various stake holders.

The various committee like "Development and Building Committee", "Purchase Committee" "Vocational Committee" "Heads Committee" etc comprised of the faculty members are actively involved in decision making process.

Development and Building Committee approves development projects, while Purchase Committee approves the proposals pertaining to purchase of various items like equipment, instruments, furniture etc. The Heads Committee and Vocational Committee are entrusted the responsibilities of devising logistics for successful implementation of academic activity plan.

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

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The policy statements and action plans for fulfillment of the stated mission: The College is led by the principal. The policies and action plans commensurate with the mission of the college are crafted by the principal along with IQAC through continuous deliberations with Head of the departments, senior teachers, staffs and other stake holders.

- Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan: Since the college is primarily led by the principal, therefore, action plans formulated under his leadership with the help of IQAC become the institutional strategic plan. Under the direction of the principal, action plans are executed and implemented by the Department Committees. The respective Head is responsible for successful implementation of the plan. The qualitative aspect of the execution of the plan is monitored by IQAC of the college.
- Interaction with stakeholders: The principal of the college interacts with the various stakeholders, alumni, parents, community, corporate leaders, NGOs, social activities etc. and communicates to them, the Vision and Mission of the college. He solicits suggestions from them and the valuable feedback supplied by them are used for further improvement.

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders: Health of the departments, teachers, staffs and students provide inputs about the requirement, requisitions by the Head of the Department determine the needs of the departments. Any holistic framework cannot be meaningful without collaboration with the societal partner, therefore inputs from the society are also obtained. Interaction with the university, state government, Chancellor Secretariat, corporate houses, UGC, DST etc. provide valuable inputs for future policies and planning, changing global scenario etc. are also taken into account the input obtained and the past experiences determine the needs. After meticulous analysis of these needs, plan and policies are framed after assessing the future needs also. The state government, university, UGC, and the principal of the college through internal resources provide requisite administrative, financial and logistic support in implementations of the strategic

plan of the college.

- **Reinforcing the culture of excellence:** The College makes Herculean efforts in the pursuit of excellence and therefore the leadership of the college endeavors hard to re-in-force the culture of excellence with rejuvenated vigour and exuberance for providing a congenial and dynamic environment for teaching and learning in the college campus. The principal, teacher and staffs strive for providing quality teaching through traditional as well as innovative teachings. They encourage critical thinking and analytical skills among the students to instill responsibility and to exude confidence to face new challenges of global environmental sustainability. The students are apprised and sensitized on social and cultural issues and in these NSS, NCC and cultural society of the college plays an active role.

- **Champion organizational change:** Through, deliberations with IQAC, teachers, staffs, students and stake holders, organizational changes are introduced in the organization spans after identifying issues on the ground. For sustaining changes within the organization, feedbacks are obtained from fraternity, stakeholders and thereafter ground issues, needs and ideas are translated into real practice. The college leadership in consultation with IQAC and Head of the departments has taken important steps like automation of library, IT enabled teaching, organizing S.N. Sinha memorial Lecture Series, S.N. Sinha Inter College Debate Competitions and encouraging researches on environmental, social, economic, scientific and cultural issue. The college leadership plays a crucial role in championing organizational change.

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

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies,

administrative setup, appointment and service rules, procedures, etc.

Decentralized governing system is an important ingredient of representational and democratic nature of an institution. The principal appoint Head of the Department by delegating administrative as well as academic autonomy to run their respective department efficaciously.

The faculty members, Heads, Vice-Principal, staffs and students are included in various committees of the college and accorded requisite autonomy and liberty for discharge and dispensation of their responsibilities under the guidance of the principal for implementation of plans and policies in line with vision of the plans and policies.

Academic planning, assignment of workload to teachers and non-teaching staffs are executed at departmental level by the Head of the department. All departments plan and execute academic activities in their respective department on the specific requirements of that department.

At administrative and financial levels, faculty member and non-teaching staffs are allocated various responsibilities.

The rules and responsibilities of the members of various committees are well defined and all important committees are headed by the principal.

The distribution of administrative works is handled by the head Assistant and the distribution of financial works is handled by the Accountant of the college.

The Principal, Vice-principal and IQAC review the activities of the college and take necessary steps in along with the activities of the college with Institutional Vision and Mission.

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

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

A. All of the above

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

### 6.3 - Faculty Empowerment Strategies

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

Welfare schemes available for teachers and non-teaching staffs are :

- Employee Provident Fund (EPF)
- Group Medical Insurance

All employees of the college avail the above two schemes.

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

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



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

5

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

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

6

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

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)****6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

7

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

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

For assessment of employees skill, adeptness, knowledge, ability and job performance, the performance appraisal system is an important tool. As the college is a constituent unit of Patliputra University, it follows the appraisal system as per the guidance and mandate of the university. The faculty members get promotion after satisfactory performance appraisal. Appraisals are made on a number of parameters.

Non-teaching employee's performance appraisals are also made as per the university guidelines.

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

#### 6.4 - Financial Management and Resource Mobilization

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

Internal audits are carried annually after the end of the financial year. The last audit of financial year 2020- 21 was accomplished in September - October 2016. In addition to it external audit is done by the university auditors. The last external audit was done in 2016. There were no major objections but only some suggestions.



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

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

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

0

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

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

- The College receives grants from UGC and Govt. of Bihar under different schemes.
- The College has adequate budget to meet day-to-day expenses.
- The college has started a number of self-financing courses.

Accounts are audited.

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

#### 6.5 - Internal Quality Assurance System

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

**IQAC, College Administration and teachers remain in constant**

interaction with the students. On 21 st July, 2020, IQAC organised e- sanvad/ interaction with the students to seek their views , opinions and discuss their problems to modify strategies and plan of action accordingly.

There is a fair representation of students in various bodies, committees, various cells in this institutions presence of students in various committees help teachers and administration in assessing requirements, implementation and monitoring. Activities of the student council and representatives of students on academic and administrative bodies/Committees of the institution. The following academic and administrative bodies have students representatives: (i) IQAC (ii)AntiRagging Committee (iii) Student Union (iv) Administrative wings of NCC and NSS (v) Various societies (vi) Placement and Guidance Cell. The college has active student union whose members are elected. The student union of the College has been allocated a separate room with requisite facilities. The representative character of students union defines its roles and responsibilities. It is a facilitator between college and the students. It raises the issues of the students at various platforms and in the committees of the college and senate of the university. It helps in maintaining disciplines, organizing seminars, workshops, cultural activities like Yuva Mahotsava, holding of annual sports etc. The student representatives reflect their presence in each of the committees responsible for holding above events. Students representatives also record their presence in IQAC of the college Through inclusive and representative character of IQAC, participation of students are ensured in planning the policies, strategies for development of the college are ensured. Their voices are attentively heeded by the authorities concerned and issues raised by them are effectively addressed. The presence of students in Antiragging committee is helpful to curb ragging and to maintain discipline in the campus. Similarly, the presence of student's representatives in placement Guidance Cell, administrative wings of NCC and NSS is of immense help in exploring job awareness, holding campus placements, organizing students for extension activities, green initiatives, social services, awareness campaigns, gender sensitivities etc. Even during the Lockdown students played commendable roles in contacting students, forming different Whatsapp groups, launching awareness programs, making masks, controlling crowds

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

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

IQAC, College Administration and teachers remain in constant interaction with the students. On 21 st July, 2020, IQAC organised e- sanvad/ interaction with the students to seek their views , opinions and discuss their problems to modify strategies and plan of action accordingly.

There is a fair representation of students in various bodies, committees, various cells in this institutions presence of students in various committees help teachers and administration in assessing requirements, implementation and monitoring. Activities of the student council and representatives of students on academic and administrative bodies/Committees of the institution. The following academic and administrative bodies have students representatives: (i) IQAC (ii)AntiRagging Committee (iii) Student Union (iv) Administrative wings of NCC and NSS (v) Various societies (vi) Placement and Guidance Cell. The college has active student union whose members are elected. The student union of the College has been allocated a separate room with requisite facilities. The representative character of students union defines its roles and responsibilities. It is a facilitator between college and the students. It raises the issues of the students at various platforms and in the committees of the college and senate of the university. It helps in maintaining disciplines, organizing seminars, workshops, cultural activities like Yuva Mahotsava, holding of annual sports etc. The student representatives reflect their presence in each of the committees responsible for holding above events. Students representatives also record their presence in IQAC of the college Through inclusive and representative character of IQAC, participation of students are ensured in planning the policies, strategies for development of the college are ensured. Their voices are attentively heeded by the authorities concerned and issues raised by them are effectively addressed. The presence of students in Antiragging committee is helpful to curb ragging and to maintain discipline in the campus. Similarly, the presence of student's representatives in placement Guidance Cell, administrative wings of NCC and NSS is of immense help in exploring job awareness, holding

campus placements, organizing students for extension activities, green initiatives, social services, awareness campaigns, gender sensitivities etc. Even during the Lockdown students played commendable roles in contacting students, forming different Whatsapp groups, launching awareness programs, making masks, controlling crowds

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

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://www.ancpatna.ac.in/Menu/NAAC/naac_AOAR.php">https://www.ancpatna.ac.in/Menu/NAAC/naac_AOAR.php</a>
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	No File Uploaded

## **INSTITUTIONAL VALUES AND BEST PRACTICES**

### **7.1 - Institutional Values and Social Responsibilities**

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

The college provides an adequate platform to students so that they can create social value and merge their personal development with the social responsibilities. Emphasis is laid upon the translation

of the theoretical aspects into practicality in this highly competitive and dynamic environment. The numerous social issues such as drug abuse, sex crime, gender, inequality, sanitation etc. addressed by the college have been successfully met with.

File Description	Documents
Annual gender sensitization action plan	<a href="https://www.ancpatna.ac.in/Menu/NAAC/naac_AO_AR.php">https://www.ancpatna.ac.in/Menu/NAAC/naac_AO_AR.php</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

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

C. Any 2 of the above

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

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

The college is conscious of its responsibility for preserving and sustaining the environment. The students of Environmental Water management and Environmental sciences are accorded projects to carry green audit so that the natural resources are optimally used. They carry air monitoring, water monitoring, we have also entered into MoU with Bihar State Pollution Control Board. The energy is conserved by making optimum use of electricity. The campus street lights have been replaced with solar vapor lamps, LED bulbs. • The efforts are being made to install solar panel on roofs of some building in shadow free zone. • Many buildings like technical block have water harvesting units. • The college has plain topology therefore construction of check dam is not required. • The college

campus is green and every year trees are planted and botanical gardens of the college helps in reducing the carbon. • The college has a number of vermicomposting units and a phytoremediation unit to manage waste management. • At our place, there is no Centre for disposal and recycling of e-waste. The college has launched several awareness programme related environmental sustainability and cleanliness. We arrange programs on Earth Day, World Environment Day, World Wildlife Day, Earth Day, Sparrow Day etc.

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

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

B. Any 3 of the above

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

**7.1.5 - Green campus initiatives include**

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

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

B. Any 3 of the above



File Description	Documents
Geo tagged photos / videos of the facilities	No File Uploaded
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

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

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

<b>7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading</b>	<b>A. Any 4 or all of the above</b>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------

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

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

Inclusive ambience social harmony, cultural assimilation, regional and linguistic equality are sacrosanct principles of the college regularly organises awareness program, webinars, seminars related to these issues. IQAC of the college plays pivotal role to conduct such program. These principles are inherent in our vision.

Our motto is to prepare our students to face new challenges of the inexorable march of technology, solving growing demands and aspiration of the society in unlocking and harnessing new knowledge and innovative ideas, building cultural understanding and modelling environment that promote dialogue and debate. We believe that "we cannot always build future for youth but we can build youth for future"

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

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

In our college we espouses the cause for a folding human values, professional ethics, and consitutional obligation including fundamental rights, duties and directive principles.



File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	Nil

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

**A. All of the above**

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

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

**The college celebrates Independence Day, Republic Day, Earth Day, World Environmental Day, World Wild Life Day, Bihar Prithwi Diwas, International Womens Day, etc.**

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

## 7.2 - Best Practices

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

### 1. Directing Youthful Exuberance towards Welfare of the Society:

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Since beginning of 2020 till date , we have passed through unprecedented tumultuous and tormenting phase. To keep our students in good health and mentally sound and alacrious. Recognising the fact that youths are future of the Nation and their prodigious amount of energy, enthusiasm and exuberance can be purposefully directed towards Welfare of the Society. This is accomplished through meticulous planning of NSS and NCC wings of the College. Besides launching awareness programs on various issues of social and environmental significance, plantations, blood donation camps, organising free health check-up, gender issues yoga etc, NSS and NCC volunteers work with community to solve their problems and mitigate their sufferings. Even during the pandemic period , our students became active in their surrounding neighborhoods to help people belonging to different strata of Society. NSS volunteers helped different branches of Banks in maintaining Social distancing, assisted the administration in managing migrant labourers coming from different parts of the country and worked in close unison with the Government. NCC. In association with government agencies, and CARE India foundation they played pivotal role to aware people about dates of their second vaccination. They also assisted govt. agencies by managing crowd for vaccination. Volunteers besides preparing masks , also helped the district administration in controlling traffic at various points of the City. The College endeavours hard to inculcate and embed the sense of social responsibility towards the holistic development of the society. Therefore to address this issue, various initiatives are undertaken by the College to impart trainings and envisage programs for welfare of the society. Such initiatives enhance self-confidence and alacrity among the students towards works of amelioration in the

society.

2. Nurturing the potential of students and empowering them to build future for themselves :

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Students are greater resource with enormous potential of bringing transformation in the society. They are not only the means for development of financial prosperity but also a vector of Social Change. We strive our best to encourage our students to take charge of treading tumultuous path on their own by transforming their attitudes, beliefs, strengthening their self- esteem, self- efficacy and confidence. This is achieved through several channels like , MOOC courses, exchange programs, extension activities, workshops, seminars, creating opportunities for learning critical skills on their own, interaction with industry and academia, assigning projects, involvement in various researches, field works etc. Students are facilitated international exposures through various international linkages and exchange programs. With persistent effort , we succeeded in bringing Massive Online Courses like Coursera( A N College on Coursera), IIRS- ISRO courses and NPTEL- SWAYM courses. These courses enabled our students to learn and imbibe the requisite skill sets and scruples of Science and Technologies, Data Analytics, Data mining, Machine Learning, Python ,Java, Web designing, Business Analytics, GIS, Global Navigation System, Remote Sensing and many more skill oriented courses of the topmost universities of the world to do better in fiercely competitive global job markets. In addition to these, we conducted many Student Development Programs to equip them with essential skills. We believe that our students should be equipped with essential scruples and adroitness to compete in diverse global environment. Through Spoken Tutorials of IIT Mumbai and other digital platforms , they are imparted specialised training in soft skills etc.

Depending on their inclination , students also get trainings in research projects. Extension programs conducted by NSS, NCC and Research projects also instill confidence and skill to work in unison with Society. Workshops ,seminar, panel discussions , speech completions, organised on our own and in collaboration with industries, NGOs, Government Organisations, Research Institutions etc.inspire and encourage our students to for innovation and entrepreneurship. Teachers play a vital central role in creating learning opportunities, achieving ambition and excellence, offering differentiated opportunities to students.

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Our vision statement delineates and nurture hopes that students of our college would have knack for solving growing demands of the society, germinate innovative ideas and would model environment to face global sustainability challenges. We believe that "We can build youth for future" In consonance with the above statement our R D activities are oriented towards amelioration of the society through arsenic and fluoride mitigation strategies in drinking water of Bihar and extension activities. The ultimate goal of meaningful scientific researches and efforts are to solve societal problems and to develop and model technological and scientific marvels towards benevolence of the society.

Arsenic and fluoride contaminations in drinking water are rampant and wide prevalent in Bihar. Following essence of the Vision and Mission statement, the college has focused its R D activities towards the benefits of the society. An international project entitled "Project INNOWATEREvolution of Novel and Rapid Monitoring sensor in rural settings of Bihar" is a novel attempt in this direction. The Mitigation strategies pertaining to Arsenic and Fluoride contaminations have been widely acclaimed nationally and internationally. The college has installed an Arsenic filtration unit to be operated through solar energy in Maner Block of Patna district. DSTNIAS sponsored project on "Community based technological solution for providing safe drinking water to Arsenic exposed population in GangaMeghnaBramhaputra Delta" has contributed immensely in improving the water quality in this region. At Maner Block in Patna district, Villages have been immensely benefited from the clean water that is now pumped from deep borewells that were dug for understanding hydrology of the arseniferous aquifers. After close monitoring and comprehensive testing and declared safe, these hand pumps were donated to villagers in consultation with our international research partner, TU, Delft, The Netherlands. These

now serve as safe water sources. Similar processes have been carried out in case of Fluoride contamination, in Nawada district of Bihar. With locally available herbs, attempts have been made to make available fluoride free drinking water. Simultaneously, awareness campaigns on clean drinking water are being carried. The action, research has become mutual learning platform for academia and "laboratory has been extended to local population" to solve societal problems. In this was our endeavored to motivate teachers, researchers and students to undertake innovative academic pursuits that meets the humane and societal demands are on the road to success.

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

### 7.3.2 - Plan of action for the next academic year

Even under the trying circumstances of due to the pandemic, we endeavoured hard with unflinching resolve to cope up with the precarious situation and delivered our best to the students. In this period we learnt the lesson that strengthening and augmenting of digital infrastructures is as much important as the physical infrastructures. Our College through its persistent efforts continue to make inexorable march towards attainment of its goals to provide quality education, develop requisite infrastructures, equip students with essential scruples and skill to compete in diverse global environment and to achieve excellence in higher education. The College is striving hard to provide holistic education to its students and is assiduously working for providing conducive academic ambience with adequate support structures for curricular, co-curricular and extra curricular activities. Alongwith teaching and learning, the College is grooming and nurturing Research, Innovation and Extension to make substantial contribution to societal progress, amelioration and benevolence. We intend to ensure fair accessibility and affordability of quality education to our students. Future plan for next academic year outlining actions is as follows:

1. To strengthen and augment digital infrastructures and to expedite the process of automation.
2. To acquire lectures recording studios.
3. To expedite the furnishing of Auditorium and construction of Multipurpose Building. Multi purpose building will also have four to five conference halls. Alongwith auditorium, it will be developed as Conference hub.



- 4.. To expedite the furnishing of the second storey of examination halls.
5. As the work of boundary walls is near completion, the process of constructing approach roads from ATAL Path be initiated.
- 6.To follow up and expedite the establishment of a new Computer Centre and to convert it into a community Computer Centre.
- 7.. To involve and encourage more and more students to enroll for MOOC and certificate courses like Coursera, IIRS- ISRO, Spoken Tutorials, NPTEL-SWAYAM, etc.
8. To facilitate more FDPs and SDPs, on cutting edge technologies and contemporary issues to teachers and students respectively.
9. To organise workshops, seminar, conferences, debates, quizzes, poster exhibitions etc.
10. As CMIS has been implemented , therefore, to expedite the process of implementation of RFID as the quotations for it , have already been finalized.
- 11 . To intensify Extension activities to reach large masses
- 12.. To intensify plantation of medicine and useful plants like Neem trees etc. and to organise more and more eco-friendly activities pertaining to green initiatives.
13. To renovate gardens and fields and to construct more water harvesting units, drain systems.
- 14.. To strengthen the Alumni Association. 15.. To increase frequency of Industry - Academia interactions for enhancing employability of the students.
16. To enhance research facilities by equipping CIC with state of the art equipments and acquisition of more projects.
17. To promote sports and cultural activities.