



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		ANUGRAH NARAYAN COLLEGE
Name of the head of the Institution		Prof. Shashi Pratap Shahi
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		06122540482
Mobile no.		7061774522
Registered Email		principalcollege@gmail.com
Alternate Email		principal@ancpatna.ac.in
Address		S K Puri, Boring Road
City/Town		Patna
State/UT		Bihar
Pincode		800013
<b>2. Institutional Status</b>		

Affiliated / Constituent	Constituent
Type of Institution	Co-education
Location	Urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Dr. Arun Kumar
Phone no/Alternate Phone no.	06122540482
Mobile no.	9431077514
Registered Email	arunkumar1957@gmail.com
Alternate Email	arun.kumar@ancpatna.ac.in

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.ancpatna.ac.in/Menu/NAAC/naac_AQAR.php">http://www.ancpatna.ac.in/Menu/NAAC/naac_AQAR.php</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	<a href="http://www.ancpatna.ac.in/Menu/Academics/AcademicCalendar-2018-19.pdf">http://www.ancpatna.ac.in/Menu/Academics/AcademicCalendar-2018-19.pdf</a>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.10	2005	21-Sep-2005	20-Sep-2010
2	A	3.18	2011	30-Nov-2011	29-Nov-2016
3	A	3.27	2017	30-Oct-2017	29-Oct-2022

<b>6. Date of Establishment of IQAC</b>	15-Nov-2005
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### 7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Preparation of Academic Calendar fro session	06-Jul-2019 10	31
Preparation of Annual Report of the College for Session -2017 -18	06-Jul-2019 120	35
Green Audit of the College and Plantation Drive	06-Jul-2019 90	35
Preparation for DBT Star Status	06-Jul-2019 120	1000
Seminar and Workshops Development of Software for on-line feedback	06-Jul-2019 60	9000
Starting of ability Enhancing Compulsory Course (AECC) in PG 1st Semester	29-Jan-2019 90	1800
<a href="#">View File</a>		

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

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Chemistry & Botany, A N College, Patna	Star College	Department of Biotechnology, Govt. of India	2018 1095	4400000
A N College, Patna	CPE	UGC	2015 1825	10000000
<a href="#">View File</a>				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

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

Automation of Seminar libraries with central Library

. Preparation of Annual Report (2017-18)

Designing software for on-line feed-back

Initiatives taken to curb plagiarism

Guiding of 14 constituent colleges of Patliputra University for NAAC Accreditation

[View File](#)**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
Star College Status	The college has been accorded "Star College" status by Department of Biotechnology (DBT), Govt. of India for strengthening of Life Science and Biotechnology Education and Training at undergraduate level
Introduction CBSC (Choice Based Credit System) in Post-Graduate classes	CBCS in P.G. has been introduced. Many teachers of the college played pivotal role in framing curricula.
Networking of Department Seminar Libraries with Central Library	The Central Library is automated with Soul 2.0 software of INFLIBNET. About 80% of the work pertaining to cataloguing and classification as per protocol of Soul 2.0 software is completed and departmental seminar libraries will soon be networked with the Central Library. This will offer greater range and choices for students, researchers and teachers.
Renewal of N-LIST	Subscription of e-journals and e-books offered through N-LIST has been renewal for 2018-19.
Plagiarism	To curb incident of plagiarism, one teacher of the college got requisite training on URKUND software at INFLIBNET centre, Ahmadabad.
Spoken Tutorial - a MOOC and Open Source software	A.N. College, Patna collaborate with IIT, Mumbai for imparting training to students on various computer languages and students were enrolled and they

	completed the course.
Participation in International Seminar / Conference / Workshops / Project assessment / evaluation meeting	(i) The Principal of the college participated and presented paper in 25th world Congress of Political Science, held at Brisbane, Australia (ii) Three teachers of the college participated in annual conference of Royal Geographical Society held at the Cardiff University, U.K. Each of the teacher presented his / her paper in the conference and one of the teacher also presided over a session. (iii) Two teachers, Principal Investigator and Co-investigator of DST-UKERI Project being run in the college in collaboration with Salford University participated in second annual evaluation of the project at Salford University, U.K.
Starting of New Courses	Proposal of three new courses B.Com, M.Sc. (IT) and MLIS submitted to the university and these are under active consideration and have made substantial progress.
Seminar / Workshops / Conferences	Large number of seminars/ conferences / workshops by the college, departments and under S.N. Sinha Memorial Lecture Series have been organized on contemporary relevant issues / topics. Some important examples are: Bio-farming, Stress Management, Computer Vision for Remote Sensing, SC-ST Development: Resolve to Resolution, India-US relations in Trump Administration, IPR for Social-Educational and Economic Development, two days workshop "Strategies for mitigation of fluorosis", NAAC Revised Accreditation Framework and its impact on society etc.
Eco-friendly Activities	(i) Green Audit has been carried out (ii) Earth Day celebrated (iii) World Environment Day celebrated (iv) Plantations drives for Green Campus
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Departmental Heads and College Administration</td> <td style="text-align: center;">05-Jul-2019</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Departmental Heads and College Administration	05-Jul-2019
Name of Statutory Body	Meeting Date				
Departmental Heads and College Administration	05-Jul-2019				
15. Whether NAAC/or any other accredited	Yes				

body(s) visited IQAC or interacted with it to assess the functioning ?	
Date of Visit	02-Dec-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	08-Mar-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The college has a Part of UMIS (University Management Information System) utilizes the benefits of information in two modules: 1. Admission (2) Examination 1. Admission: At the behest of the Governor's Secretariat, Bihar, admissions at U.G. and P.G. levels in conventional as well as vocational / professional courses are done at university level. For admissions, applications are invited online and after scrutiny, the selection list is also uploaded online. A link is also provided to the college. Through the link. We assess the number of applications submitted for each course of the college and the number of students selected through number of choices each student has exercised / enlisted and performance in entrance tests in the subjects / course which he / she wishes to undertake. All of the informations are downloaded and saves. It helps us in analyzing the popularity / states of a particular course and also in envisaging further strategies for improvement. Since each students has to provide his / her details such as Father's / Mother's Name, Category, Qualifications, Address, Gender, email, mobile No. etc., therefore, a comprehensive information about the student is stored which can be retrieved as and when required. 2. Examination: Examination forms are also filled online. The university provides a link to the college and the college authorities after proper verifications give approval. From thus, we get the list of appearing students. All</p>

information pertaining to examinations are provided online. Results / outcome of the examinations are also given online. The data captures related to examinations, facilitate analysis of the outcomes / result and help us in strategizing the course of corrections for further improvement.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Curriculum is prepared by the university and some teachers of the college are also the members of syllabus committee. The curriculum prepared by the university is relayed to the colleges and the academic calendar circulated by the university is followed by every department of the college. The college taking into account the number of departments, number of teachers, students and infrastructures meticulously prepares a routine which is circulated to every department of college. The departmental council of each department in consultation with Routine Incharge finalizes its own routine accordingly. The curriculum is translated into action through lectures, assignments, discussions, seminars, workshops etc. For example, time schedule of UG and PG classes of a particular department say Physics is allotted in the time table of the college. Their after, the Physics department in its departmental council distributes the topics as per expertise of teachers.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Spoken Tutorials		02/07/2018	90	Employability	To enhance computer skills / programming

#### 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BVoc	Agriculture	08/08/2018

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MSc	Physics	01/07/2018
MSc	Chemistry	01/07/2018
MSc	Mathematics	01/07/2018
MSc	Electronics	01/07/2019

MSc	Botany	01/07/2018
MSc	Zoology	01/07/2018
MSc	Environmental Sciences	01/07/2018
MCA	MCA	01/07/2018
MSc	Biotechnology	01/07/2018
MA	History	01/07/2018
MA	Economics	01/07/2018
MA	Sociology	01/07/2018
MA	Political Science	01/07/2018
MA	Geography	01/07/2018
MA	Psychology	01/07/2018
MA	Philosophy	01/07/2018
MA	English	01/07/2018
MA	Hindi	01/07/2018
MA	Maithili	01/07/2018
MA	Urdu	01/07/2018
MA	Public Administration	01/07/2018
MA	Labour and Social Welfare	01/07/2018

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

Certificate	Diploma Course
<b>No Data Entered/Not Applicable !!!</b>	

## 1.3 – Curriculum Enrichment

### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Environmental Sustainability	01/07/2019	1100
Swachcha Bharat Abhiyan Activities	01/07/2019	1100

### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BCA	Language and Programming	120
BBM	Marketing and Finance	140
BSc	Microbiology and Biochemistry	40
MBA	Marketing and Finance	60
MCA	Language and Programming	60
MSc	Microbiology and Biochemistry	15
MSc	Electronics	45



## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

### Feedback Obtained

Feedback are obtained through various stakeholders (i) Students (ii) Teachers (iii) Alumni (iv) Parents (v) Staffs. Questions in feedback relate to academic, administrative aspects of the college. These questions cover almost all important areas starting from curricular aspects to teaching, learning and evaluation, student support and progression, infrastructural supports, governance and management. There are separate set of question for each stake holders students, teachers, alumni, parents and staffs. In questionnaire pertaining to teachers, covers important areas like research, incentives, welfare mechanism etc. Alumni are asked to elaborate upon the quality of the education being imparted in their almatemat and the status of placements, counselling etc. Suggestions are sought from all stakeholders for further improvement of the college. At present, feedbacks are being obtained offline but online feedbacks forms would be made available shortly. The feedback obtained from various sources are analyzed meticulously in punctilious details. The information derives from the analysis, help in strategic and perspective planning and evaluating the undergoing plans. These help us in identifying and weeding out the problems having deleterious effects on successful implementation of the plans and policies. These also helps in making strategies for quality enhancement in teaching and learning process. Information obtained through feedback helps us in bridging the gap between deliverance and expectation.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	Physics	234	2403	220
BSc	Chemistry	196	1603	188
BSc	Mathematics	234	2403	227
BSc	Electronics	149	206	87
BSc	Botany	120	321	77
BSc	Zoology	234	1498	220
BSc	EWM	48	103	41
BSc	Biotechnology	80	122	87
BCA	BCA	120	499	120

BBM	BBM	150	598	150
BA	History	188	3598	188
BA	Sociology	111	1009	109
BA	Economics	188	2493	188
BA	Political Science	188	3298	187
BA	Geography	188	789	188
BA	Psychology	68	901	78
BA	Philosophy	72	264	76
BA	English	188	1564	188
BA	Hindi	188	954	108
BA	Urdu	54	60	8
BA	Maithili	36	21	1
MBA	Managment	60	554	60
MCA	Computer Application	60	661	60
MSc	Physics	58	492	48
MSc	Chemistry	58	339	50
MSc	Mathematics	115	549	99
MSc	Botany	58	155	9
MSc	Zoology	58	498	44
MSc	Environmental Sciences	48	122	46
MA	History	115	398	37
MA	Economics	115	198	22
MA	Political Science	115	195	21
MA	Sociology	115	155	15
MA	Geography	58	354	48
MA	Psychology	58	198	15
MA	Philosophy	115	50	3
MA	English	115	154	37
MA	Hindi	115	64	3
MA	Urdu	115	10	2
MA	Public Administration	115	65	11
MA	Labour & Social Welfare	115	154	37

## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of	Number of	Number of	Number of	Number of
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	students enrolled in the institution (UG)	students enrolled in the institution (PG)	fulltime teachers available in the institution teaching only UG courses	fulltime teachers available in the institution teaching only PG courses	teachers teaching both UG and PG courses
2018	7329	1756	134	96	134

## 2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
134	82	35	26	2	3

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Multipronged strategies are adopted for student mentoring and these include: (i) Entrusting Teachers: Although students are free to approach any teachers to seek suggestions on academic matters, personal problems and career guidance, yet one or two teachers in each department are entrusted as mentors for this specific role. (ii) Department of Psychology: Psychosocial and personal assistance to the students are facilitated through the department of Psychology. (iii) Career guidance and Placement Cell: This cell take initiatives to acquaint the students with tangibles, intangibles and adroitness and skill required for achieving success and shape their career. (iv) Workshops, Seminars: Workshops and seminars are organized for personality development and grooming in soft skills of the students. Eminent personalities from various fields are invites to share their experiences with the students. Through these workshops and seminars students learn essential scruples and adroitness in presenting their curriculumvitae (CV) in an impressive way and also for identifying job opportunities as well as preparations pertaining to interviews. Thus, with the help of college teachers as well as outside experts, academic and career counselling / mentoring are provided to the students. (v) Yuva Mahotsava – Yuva Mahotsava is regularly organized in the college on annual basis. It provides platforms for the students for expressing their hidden talents. Teachers and outside experts guide and mentor students according to their aptitudes and inclinations to participate in various activities which give them public exposure, confidence and to formulate innovative ideas in various fields, like debating, speech, cultural activities, sports, curricular, cocurricular and extracurricular activities.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
9085	134	1 : 67

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
95	83	12	0	79

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	DR. KRISHNA SINGH	Professor	ACADEMY SAMMAN

## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BA	Arts	Part I	05/05/2018	20/08/2018
BA	Arts	Part II	08/05/2018	25/08/2018
BA	Arts	Part III	15/05/2018	30/08/2018
BSc	Science	Part I	05/05/2018	20/08/2018
BSc	Science	Part II	08/05/2018	25/08/2018
BSc	Science	Part III	15/05/2018	30/08/2018
MA	Arts	Semester I	15/12/2018	15/02/2019
MA	Arts	Semester II	22/05/2018	30/08/2018
MA	Arts	Semester III	15/12/2018	15/02/2019
MA	Arts	Semester IV	15/12/2018	15/02/2019
MSc	Science	Semester I	15/12/2018	15/02/2019
MSc	Science	Semester II	22/05/2018	30/08/2018
MSc	Science	Semester III	15/12/2018	15/02/2019
MSc	Science	Semester IV	22/05/2018	30/08/2018

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

At U.G. level, internal examination in theory papers, practical, presentations on various topics given by the students, are regularly conducted and students are evaluated on based on performances. At P.G. level, CBCS (Choice Based Credit System) is operational since 2012. Every paper has 30 marks for continuous internal evaluation (CIA). Mid semester tests pertaining to CIA consists of MCQ, Short Answer Type and Long Answer Type Question> Besides the internal examinations, students are evaluated on the basis of assignments, seminars / quiz, attendance, punctuality and conduct. Every department endeavors to make the process more reliable, more comprehensible and transparent to make the evaluation more authentic and credible. On the basis of performances, slow and advance learner are distinguished and adequate attentions are given to slow learner while advance learner are mentioned to undergo indepth studies researches on various advance topics.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

At the beginning of the session, the university publishes the academic calendar mentioning schedules of academic activities to undertaken, filling up of examination for the period during which examinations are to be conducted, holdings and allied activities. Based on the university calendar, the college prepares its own calendar and strive hard for strict adherence to calendar. Since 18th March, 2018, erstwhile Magadh University was bifurcated to create a new university i.e. Patliputra University with headquarter at Patna. Our college, now become a constituent unit of Patliputra University but in the

matters of examinations, it is under both universities. Examinations scheduled of Patliputra University are being adhered to, while the examinations of Magadh University are delayed. Under the guidance of the Governors Secretariat, Magadh University is striving hard to stick to the schedules of examinations. The college is making strenuous efforts to cover the syllabi as per schedules of each of the both universities.

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

[http://www.ancpatna.ac.in/Menu/NAAC/agar\\_meetings/Students%20Performance%20and%20Learning%20Outcome.pdf](http://www.ancpatna.ac.in/Menu/NAAC/agar_meetings/Students%20Performance%20and%20Learning%20Outcome.pdf)

### 2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
B.A. Hons	BA	Economics	138	137	99.28
B.A. Hons	BA	Geography	115	115	100
B.A. Hons	BA	History	90	90	100
B.A. Hons	BA	Hindi	23	23	100
B.A. Hons	BA	English	128	128	100
B.A. Hons	BA	Sociology	122	121	99.18
B.A. Hons	BA	Psychology	92	91	98.91
B.A. Hons	BA	Political Science	100	99	99
B.A. Hons	BA	Urdu	2	2	100
B.A. Hons	BA	Philosophy	17	17	100
B.Sc. Hons	BSc	Physics	143	141	98.6
B.Sc. Hons	BSc	Chemistry	132	128	96.97
B.Sc. Hons	BSc	Botany	45	45	100
B.Sc. Hons	BSc	Zoology	108	107	99.07
B.Sc. Hons	BSc	Mathematics	178	177	99.44
B.Sc. Hons	BSc	Electronics	103	103	100
PHY	MSc	Physics	52	48	92.31
CHE	MSc	Chemistry	41	40	97.56
BOT	MSc	Botany	23	23	100
ZOO	MSc	Zoology	45	44	97.78
MAT	MSc	Mathematics	108	102	94.44
GEO	MA	Geography	42	40	95.24
HIS	MA	History	87	82	94.25
ENG	MA	Hindi	28	28	100
SOC	MA	Sociology	89	86	96.63

PSY	MA	Psychology	43	42	97.67
POL	MA	Political Science	66	65	98.48
URD	MA	Urdu	7	7	100
PHL	MA	Philosophy	3	3	100
PBA	MA	Public Administration	47	45	95.74
B.Lib	BLibSc	Library Science	91	87	95.6
B.Sc. Hons	BSc	Information Technology	64	64	100
B.Sc. Hons	BSc	Biotechnology	40	40	100
MBA	MBA	Business Administration	60	60	100
MCA	MCA	Computer Application	57	57	100

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

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

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
International Projects	2190	DST NWO WOTRO	45000000	1000000
Major Projects	1095	UGC	1320000	890000
Major Projects	1460	UGC DAE	986400	739800
Interdisciplinary Projects	730	DST WTI	15500000	8758000
Interdisciplinary Projects	1095	DST UKERI	6282808	2852200
Students Research Projects (Other than compulsory by the University)	120	UGC	846400	846400

### 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Modernity, Inter Religious Conflict and Non Violent Expansion of Buddhism	Department of Philosophy	30/03/2019
Stress Management and Mental Health in youth	Department of Psychology	12/07/2018
Sociological Perspective in Health Hygiene	Department of Sociology	31/07/2019
Computer Vision: Remote Sensing	Dept. of Physics Electronics	18/09/2018
SC ST Development	A N College, Patna	11/10/2018
India USA Relationship under Trump Administration	Department of Political Science	26/10/2018
Intellectual Property Right in perspective of Social Educational and Economical Aspects	Under the Banner of S N Sinha Memorial Lecture Series	08/11/2018
Social Sciences and National Resurgences	A N College	01/12/2018
Workshop Integrated Fluorosis Mitigation	Department of Chemistry	21/12/2018
Tax Shaving and Wealth Creation	Department of Economics	12/02/2019
Sakaratak Vaktitva Nirman: Yuva Sandarbh	Department of Public Administration	12/03/2019

### 3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
<b>No Data Entered/Not Applicable !!!</b>				

### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
<b>No Data Entered/Not Applicable !!!</b>					

## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
<b>No Data Entered/Not Applicable !!!</b>		

### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Hindi	1
Mathematics	1

Political Science	2
Economics	1
Geography	1
English	1
Sociology	2
Philosophy	1
Psychology	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Physics	6	3.1
National	Chemistry	10	2.4
National	Botany	3	1.6
International	Botany	1	1.0
International	Zoology	2	6.2
National	Zoology	9	0.8

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Physics	3
Chemistry	3
Botany	2
Zoology	2
Mathematics	1
History	2
Sociology	2
Economics	1
Political Science	2
Geography	3
Psychology	1
English	1
Hindi	2
Urdu	1
Philosophy	1

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in	Number of citations excluding self
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					the publication	citation
Effect of different microwave power applied during microwave assisted radiant heating on the structure, dielectric and electrical properties of Ba <sub>0.8</sub> Ca <sub>0.2</sub> TiO <sub>3</sub> ceramics	Dr. Seema Sharma	Journal of Materials Science: Materials in Electronics	2018	4	Yes	4
Biosynthesized composites of AuAg nanoparticles using Trapa peel extract induced ROS mediated p53 independent apoptosis in cancer cells	Dr. Seema Sharma	Drug and Chemical Toxicology	2018	3	Yes	3
Study of Structural, Electrical and Magnetic properties of $1-x(\text{Ba}_{0.96}\text{Ca}_{0.04}\text{TiO}_3)_x(\text{BiFeO}_3)$ ceramics composites	Dr. Seema Sharma	Journal of Materials Sc: Materials in Electronics	2018	0	Yes	0
Enhanced electrical and magnetic properties in BZT/NFO multiferroic	Dr. Seema Sharma	Journal of Materials Sc: Materials in Electronics	2018	2	Yes	2

composites derived by MARH						
Role of ferrite phase on the structure, dielectric and magnetic properties of (1x) KNNLx NFO composite ceramics	Dr. Seema Sharma	Journal of Magnetism and Magnetic Materials	2019	7	Yes	7
Lead free (K,Na, Li) NbO <sub>3</sub> /NiFe <sub>2</sub> O <sub>4</sub> thin film by Pulsed Laser Deposition Structure, Dielectric, Magnetic and Magneto dielectric behavior	Dr. Seema Sharma	Journal of Alloys and Compounds	2019	3	Yes	3
Synthesis of Benzo[4,5]imidazo[2,1b]thiazol by copper (II) catalysed thioamination of nitroalkene with 1HBenzo[d]imidazole2 thiol	Dr. Amrita Chakraborty	Advance synthesis and catalyst	2018	6	Yes	6
W C (Tungsten Carbide): A novel material for Electrochemical Energy con	Dr Sheerin Masroor	Material Science Research, India	2018	0	Yes	0

servation and Storage						
In vitro screening for antiacetylcholinesterase and antioxidant activity of Piper	Dr. Manorma Kumari	Annals of Plant Science	2018	0	Yes	0
Bacteriological Assessment of Drinking water supplied Inside the Government Schools of Patna District, Bihar, India	Dr. Sushil Kr Singh	American Journal of Environmental Protection	2018	0	Yes	0
Assessment of Effects of Sand Mining on Physicochemical Parameters of Sone water at Koelwar.	Dr. Sushil	Indian Journal of Environmental Protection (IJEP)	2018	0	Yes	0
Arsenic in prostate cancer patients in Gangetic Zone of Bihar	Dr. Preety Sinha	IOSR journal of Biotechnology and Biochemistry	2018	1	Yes	1
Effect of Arsenic induced toxicity in the Prostate gland of Swiss albino mice	Dr. Preety Sinha	European journal of pharmaceutical and medical Research	2018	1	Yes	1

Toxic effect of induced sodium Arsenic on the ovary of sariss albino mice.	Dr. Preety Sinha	Europian journal pharmaceutical and Medical Research	2018	1	Yes	1
The calculation of Median Lethal Dose (LDSO) and Maximum Permissible Dose (MPD) Values of sodium Arsenic in female Saiss albino mice.	Dr. Preety Sinha	IOSR journal of Environmental Science, Toxicology and Food Technology	2018	1	Yes	1
Sodium Arsenite Induced Histopathological and Oxidative DNA Damage in the ovary of mice.	Dr. Preety Sinha	IOSR journal of Biotechnology and Biochemistry	2018	1	Yes	1
Analysis of phosphate solubilization activity of bacterial strains isolated from river Ganga	Dr. Akhilesh Kumar	Airo International Research Journal	2019	0	Yes	0
Approach Towards the nanoparticles of zinc oxide in various factors	Dr Akhilesh Kumar	Airo International Research Journal	2019	0	Yes	0
A study of	Dr.	Research	2019	0	Yes	0

Pseudomonas Aerregionosa in T3SS Gene expression	Akhilesh Kumar	Review International Journal of Multidisciplinary				
Study on synthesis of silver nanoparticles and their characterization	Dr. Akhilesh Kumar	Airo International Research Journal of	2019	0	Yes	0
Study on silver nanoparticles and the yeast cell: Inhibitory concentration, effect on growth.	Dr. Akhilesh Kumar	Airo International Research Journal of	2019	0	Yes	0
Study on Phosphate Solubilizing micro form Agro land of embankment of river Ganga at Patna	Dr. Akhilesh Kumar	Airo International Research Journal	2019	0	Yes	0
The Value of the Universal Wellbeing and Bodhisattv	Prof. Shailesh Kumar Singh	Pragya	2019	0	Yes	0
In Vitro elimination of Arsenic from water through Lactobacillus sporogenesis	Dr. Ashok Kr Ghosh	European Journal of Pharmaceutical and Medical Research	2018	3	Yes	3
Effect of Phosphate Solubilizing bacteria and their role in plant	Dr. Ashok Kumar Ghosh	Journals of Environmental protection	2019	1	Yes	1

growth promotion						
Phosphate solubilization Activities of bacterial strains isolated from Ganggetic planes of North Bihar	Dr. Ashok Kumar Ghosh	Journal of Biotechnology and Biochemistry	2019	1	Yes	1
Arsenic oxidation by facultative imolithotrophic Delstia SPP.BA529 for its potential application in ground water Arsenic Bioremediation	Dr. Ashok Kumar Ghosh	International Bio Deterioration and Biodegradation	2019	5	Yes	5

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Role of ferrite phase on the structure, dielectric and magnetic properties of (1x) KNNLx NFO composite ceramics	Dr. Seema Sharma	Journal of Magnetism and Magnetic Materials	2019	21	7	Yes
Effect of Arsenic induced toxicity in the	Dr. Preety Sinha	European journal of pharmaceutical and medical	2018	1	1	Yes

Prostate gland of Sauiss albino mice		Research			
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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	10	22	30	42

### 3.4 – Extension Activities

#### 3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Awareness Rally on World Population Day	NSS	14	251
Painting Competition	NSS	3	21
Blood Donation Camp	NSS and AIDS SOCIETY (BACS) LIONS INTERNATIONAL, PATNA	10	2
Plantation Program	NSS	10	2
International Youth Day	NSS	21	2
Eye and Dental Check up Camp	NSS	5	250
Blood Donation Camp	NSS and HDFC Bank	45	3
Awareness Program on Good touch and Bad touch	NSS	145	2
Run for Unity	NSS	351	19
Speech Competition on corruption	NSS and NTPC	165	10
Health Check up	Under DST UKIERI Project	2	4
Awareness on Arsenic poisoning symptoms	Under DST UKIERI Project	2	4

#### 3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Environment Awareness	Awareness on Environment	Environment, Forest and Climate Change Dept., Govt. of Bihar	941
Green Audit	Departmental Award	A N College, Patna	45

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Aids Awareness Program	NSS and BSHS	Awareness	2	51
Gender Cell	NSS and Bhumika Bihar	Gender issues	5	102
Mock Drill on Earth Quake	Dept. of Disaster Management	Mock drill on Earthquake	15	351
Flood	A N College, Patna	Relief and Rescue Operation	10	145
Swachhata Abhiyan	NSS and NCC	Special cleanliness Drive in campus and surrounding area	15	352

### 3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Review meeting of project NutriSAM at Salford University, U.K.	10	British Council	1
Review meeting of project NutriSAM at A N College, Patna at	10	DST, Govt. of India	1
Workshop of project NutriSAM at Salford University, U K	15	British Council	1
Workshop of project NutriSAM at A N College, Patna	20	DSt, Govt. of India	2
Kickoff meeting of project NATWIP, Sodertora	7	European Union ERA NET Cofund	2



University,  
Stockholm

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Project Work	Sharing of lab training	CSIR IITR, Lucknow	01/01/2019	30/06/2019	2
Project Work	Sharing of Lab work	IITR, Lucknow	01/01/2019	30/06/2019	1
Project Work	Sharing of Laboratory for project work	Biosite Research Pvt. Ltd., Bangalore	01/01/2019	30/06/2019	1
Project Work	Sharing of Laboratory for Project work	Indian Council of Medical Research, Agamkuan, Patna	01/01/2019	30/06/2019	1
Project Work	Sharing of Laboratory for Project Work	Rajendra Memorial Research Institute of Medical Sciences, ICMR, Patna	01/01/2019	30/06/2019	3
Project Work	Sharing of laboratory for Project work	Mahavir Cancer Sansthan and Research Centre, Patna	01/01/2019	30/06/2019	1
Project Work	Sharing of laboratory for project Work	Patliputra Diagnostic and Research Centre, Patna	01/01/2019	30/06/2019	4
Project Work	Sharing of Laboratory and Knowledge for Project Work	CSIR CDRI, Lucknow	01/01/2019	30/06/2019	2

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate

houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Telcocrats Technology, Mohali	05/02/2019	Technology Partner	148
Bihar Chamber of Commerce	10/08/2018	Training and knowledge sharing	320
Mahavir Cancer Sansthan and Research Centre, Patna	06/09/2018	Research and Project Training	60
Patna Dairy Project, Phulwari Sharif, Patna	21/08/2018	Training and Project Work	60

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
14000000	12479023

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Others	Existing

### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Soul 2.0	Fully	2.0	2017

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total

Text Books	49294	17285412	648	223244	49942	17508656
Reference Books	9800	6860000	76	39119	9876	6899119
Journals	33	25489	13	9579	46	35068
CD & Video	443	40489	47	4889	490	45378
Weeding (hard & soft)	7000	56876	560	16899	7560	73775

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
<b>No Data Entered/Not Applicable !!!</b>			

#### 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	357	8	3	2	1	20	34	60	6
Added	24	0	0	0	0	0	0	0	0
Total	381	8	3	2	1	20	34	60	6

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

60 MBPS/ GBPS
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4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
<b>No Data Entered/Not Applicable !!!</b>	

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
8000000	7659195	8000000	7459194

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

<b>Physical facilities and academic facilities form the integral part for effective implementation of the curriculum through quality teaching and</b>
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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 Profincharge 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 infrastructures.

[http://www.ancpatna.ac.in/Menu/NAAC/aqar\\_meetings/Policies%20and%20Maintenance%20of%20facilities.pdf](http://www.ancpatna.ac.in/Menu/NAAC/aqar_meetings/Policies%20and%20Maintenance%20of%20facilities.pdf)

## **CRITERION V – STUDENT SUPPORT AND PROGRESSION**

### **5.1 – Student Support**

#### **5.1.1 – Scholarships and Financial Support**

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Poor Boys Fund	21	50000
Financial Support from Other Sources			
a) National	Scholarship under various scheme	1058	5290000
b) International	0	0	0

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Communication Skills	11/09/2018	50	Dept. of English
Problem Solving Skills	25/09/2019	50	Dept. of Psychology
Yoga	27/11/2019	50	Yoga Centre, Patna
Counselling and Mentoring	05/02/2019	120	Placement Cell

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Banking	10	120	5	5
2018	Civil Services	15	150	6	6
2018	NET	10	50	8	8
2018	JAM	15	60	10	10

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
325	325	30

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Benchmarkers India	18	2	Wipro	16	0

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	722	A N College,	Departments	A N College,	Departments

		Patna	of Science, Social Science and Humanity	Patna	of Science, Social Science and Humanity
2018	1034	Different colleges	Dept. of Science, Social Science and Humanity subjects	A. N. College, Patna	Department of Science, Social Science and Humanity

5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	8
CAT	45
Civil Services	5
Any Other	434

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Cricket	Inter Collge	15
Basketball	Inter College	12
Kho Kho	Inter College	12
Kho Kho	University	3
Cricket	University	7
Basketball	University	7
Basketball	State	3
Shooting	State	3

### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Shooting (Bronze Medal)	National	1	0	Economics Roll No 29	Ranjan Kumar

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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 avenues, holding campus placements, organizing students for extension activities, green initiatives, social services, awareness campaigns, gender sensitivities etc.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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. They also participate in various campaigns like environmental protection and preservation, road safety, energy conservation etc.

5.4.2 – No. of enrolled Alumni:

265

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

3

### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Teachers, staffs and students are members of various committees and are involved in decision making process which renders it participatory in nature. This helps in improving the effectiveness and efficiency of institutional process. The college promote a culture of participative management Through deliberations and interaction with teachers, staffs, various committee member

and students, the college leadership encourages the decentralization and participative management. Discussions and deliberations are made both statutory and nonstatutory committees faculty members play an active role in management of academic as well as developmental activities. Regular meetings of HoDs and various committees are held, therefore, all members participate in decision making process, therefore, it inherently makes the management participative in nature. Entrustment of responsibilities to HoDs, Bursars, IQAC, ensures decentralization and participative management in dispensation of academic, administrative and financial works. The two glaring and outstanding examples of decentralization and participative Management during the last year are (i) Library Management and (ii) Management of cultural activities (i) Library Management: The library has an advisory council which through profincharge Library, librarian, library staffs and some students BLIS( Bachelor of Library Science) functions in coordinated manner ensuring decentralization and participative management. The library committee/advisory council, through feedbacks of the students and library staffs takes the decision for procurement of new books, journals etc. on the basis of the decision of the library committees comprising of profincharge, Librarian, senior teachers and the Principal as Head of the committee, books, journals, magazines, newspapers etc. are procured or purchased. Some brilliant students of BLIS help in managing the library activities including operations of seminar libraries in the departments. They are paid some amount for the services they render. This is a glaring example of "Earn while Learn" and also ensures participative management of the Library. (ii) Management of Cultural Activities: The college endeavors for holistic development of its students. By organizing "Yuva Mahotsava" it provides platforms to give exposure to hidden intrinsic and innovative artistic talents of the students. Last year Yuva Mahotsava was organized in which various events like Dance (folk/classical), Music (Classical, Semi Classical, Light Vocal etc.), Instrumental performances, one act play, debate, elocution, painting, rangoli, science exhibitions, poster exhibitions etc. were held. A committee comprising of Head of the Institution, teachers, staffs and students assisted by subcommittees for different events were constituted. In order to ensure decentralization and participative management, each subcommittee had adequate representation of teachers, staffs and students and these were given autonomy to take policy decisions for the events assigned to them. These subcommittees through involvement of the student representatives acted and coordinated in a efficacious manner and ensure success of "Yuva Mahotsava".

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	The college is a constituent unit of Patliputra University UG curriculum is prepared by the university and a large number of teachers are members Board of studies/syllabus committee and thus play pivotal role in restructuring/revising curricula of various subjects. For postgraduate classes under CBCS scheme, courses of studies were prepared under the supervision of Governor's secretariat. A sizable number of teachers from this college were on the panel of the



syllabus committees for various courses and have contributed significantly in updating, modifying, restructuring the syllabi as per the contemporary needs of the students/industries and corporate sectors.

Teaching and Learning

At the start of the beginning of the session, in the meeting of Heads of the Departments with Principal, detailed plan layout is prepared. Each department plans in detail the time schedule of theory and practical classes based on the number of students, availability of space and infrastructural supports. Besides conventional mode of teaching our teachers adopt various modes of teaching like use of ICT facilities, models, charts and use of laboratories to facilitate "Learning by Doing" in the Laboratory (LBDL). The college organizes different programmes to enhance knowledge, management skills, lifeskills distinct from the course curriculum. Under S. N. Sinha Memorial Lecture series, seminars, workshops, experts of various professions and fields are invited to augment and enhance knowledge base of the students. Science exhibition, poster exhibitions, debates etc. enable students to show their creativity and innovative ideas. The campus is WiFi enabled and the students have access to it. The students are exposed to the latest developments in the fields of their choice. The teachers act as facilitator and motivator while the students acquire advanced knowledge on their own initiatives.

Examination and Evaluation

Lesson learnt in theory and practical classes form a major ingredient of the evaluation of the students knowledge. In addition to these students are evaluated through Continuous Internal Assessment, regularity, punctuality, discipline in the classroom. 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 Assessment (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 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.

Research and Development

Anugrah Narayan College, Patna is premier college in Bihar where teaching and research capabilities are concomitantly being developed. There are many international and national projects undergoing in the college. Various steps are being undertaken to enhance and expand Research and Development activities: a) The Central Instrumentation Facility is being strengthened and augmented. b) Teachers and researchers are encouraged to make efforts for acquisition of projects. c) Research committee of the college assist young teachers in implementing protocols for research applications to different funding agencies. It liaisons with the college International office in matters of International research collaborations, exchange programs and student internship. d) The college is striving hard to provide adequate infrastructures to promote researches in Science, Social sciences and Humanities. e) Many meritorious final year students are being involved in funded research projects. f) Attempts are being made to evolve formulation of research projects with teacher and student exchanges, joint publications and preparation of networks for facilitating collaborations, international/ National linkages. g) The Principal Investigators are being granted autonomy. Timely release of resources/ funds enable PIs to maintain project implementation time line as approved by funding authorities.

Library, ICT and Physical Infrastructure / Instrumentation

(v) Library, ICT and Physical Infrastructures/ Instrumentation Significant initiatives have been taken by the Library Advisory Committee to

render the library user friendly and these include: (a) Classification, cataloguing and automation of library (b) Implementation of Soul 2.0 software of INFLIBNET (c) Purchase of new books, subscription of journals, magazines and e-journals (d) Making provisions for separate Boys and Girl's Reading Hall (e) The process of cataloguing, classification and automation of departmental seminar libraries located in different departments are being carried out. To keep pace with changing trends in software and hardware, the college endeavors to update and upgrade IT infrastructures. Weeding out of old and outdated computers and replacement by new computers are regularly carried out. The campus is WiFi enabled, therefore classrooms have facilities for ICT enabled teaching and learning process with the help of portable community computer Kyan/LCD projectors. Provisions are made in annual budget for procurement, upgradation, deployment and maintenance of computers. AMC are made every year for upkeep and maintenance of computers. The policy of the college is to provide and create essential infrastructures to support quality education and to provide conducive ambience for teaching and learning. Funds are properly allocated for enhancement of infrastructures and their optimum utilization. Attempts are made for acquisition of funds from state, central and other funding agencies for augmenting and expanding infrastructures.

**Human Resource Management**

The quality of human resources dictates the success of an organization. Effective Human resource management gives competitive edge and maximizes employee performance. Strategies for quality improvements in human resources management include: (a) Strategic management and optimum utilization of human resources. (b) Minimizing staff attrition rate and improving retention rate. (c) Providing requisite facilities to staff and teachers. (d) Welfare measures like Group Insurance etc. (e) Strategic planning to integrate individual's organisational goals. (f) Maintenance of amicable and cordial relations between management and employees.

Industry Interaction / Collaboration	The placement and Guidance cell of the college and Department of Management invites prominent people from industries, corporate houses etc. and facilitates interaction with the students a part of quality improvement and employment strategies. Some of the measures in this direction include: (a) Increasing the frequency of industry academia interface and interactions. (b) Onsite visits of industries as part of the projects for comprehensive learning of the processes and management systems. (c) Organizing workshops/ seminars with the industry experts. (d) Entering into collaborations and signing of MOUs with industries.
Admission of Students	Admissions are done by the university through entrance tests. The students are sent from the university on the basis of merit cum choice. Students give choices for the colleges and on the basis of performance in the entrance test, they are given offer letter and after verification of the documents, their admissions are approved by the college online. This process is applicable on admission to all disciplines UG, PG and Vocational/Professional. The reservation policy of the Government of Bihar are strictly adhered to and SCs, STs and girl students of all categories are given full exemption of fee. The admission process is transparent and the categorywise list of the students selected on the basis of merit cum choice of the college and the subject are uploaded on the university website. Admissions under sports quota is made on merit as per the recommendations of the sports committee.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	To be introduced from next academic session
Administration	MIS to be introduced.
Finance and Accounts	To be introduced
Student Admission and Support	At the behest of the Governor's Secretariat, Bihar, admissions at U.G. and P.G. levels in conventional as well as vocational / professional courses are done at university level. For

admissions, applications are invited online and after scrutiny, the selection list is also uploaded online. A link is also provided to the college. Through the link. We assess the number of applications submitted for each course of the college and the number of students selected through number of choices each student has exercised / enlisted and performance in entrance tests in the subjects / course which he / she wishes to undertake. All of the informations are downloaded and saves. It helps us in analyzing the popularity / states of a particular course and also in envisaging further strategies for improvement. Since each students has to provide his / her details such as Father's / Mother's Name, Category, Qualifications, Address, Gender, email, mobile No. etc., therefore, a comprehensive information about the student is stored which can be retrieved as and when required.

**Examination**

Examination forms are also filled online. The university provides a link to the college and the college authorities after proper verifications give approval. From thus, we get the list of appearing students. All information pertaining to examinations are provided online. Results / outcome of the examinations are also given online. The data captures related to examinations, facilitate analysis of the outcomes / result and help us in strategizing the course of corrections for further improvement.

**6.3 – Faculty Empowerment Strategies**

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Prof. S. P. Shahi	Indian Social Science Congress	Indian Social Science Congress	16174
2019	Dr. Sujeet Kumar Dubey	Indian Social Science Congress	Indian Social Science Congress	14198
2018	Dr. Ajay Kumar	All India Sociological Society	All India Sociological Society	24268

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Management and administrative skills	Use of Computer for efficient Management	10/09/2018	12/09/2018	28	32

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Orientation Programme	5	17/07/2018	13/08/2018	21

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	0	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
General Provident Fund and Group Insurance General and	General Provident Fund and General Insurance	Poor Boys Fund, Full and half Free ship to Students, Full Exemption of fee to SC, ST, and Girls students

**6.4 – Financial Management and Resource Mobilization**

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The income and expenditures are closely monitored by Bursar (Income), Bursar(expenditure) and the Accountant headed by the principal. Proposals for college are approved by Development cum Building committee and proposals pertaining to purchases are approved by the "Purchase Committee" of the college. All financial rules and regulations are properly followed. Internal audits are done annually after the end of the financial year. Audits of all accounts including Vocational/Professional departments are carried out. The last audit of the financial year 201819 was accomplished in SeptemberOctober 2019. In addition to it, external audit by the university has been done comprehensively in 2019. In case of salary and Development grants, the college prepares budget for the forthcoming year and sends it to the university. It is duly approved by the syndicate at the university level and sent to the

Education Department of the Govt. of Bihar. The state government after scrutiny and approval sends the budget of all universities of Bihar to the Bihar Legislative Assembly, where it is passed and thereafter, grants are released by the state government.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
<b>No Data Entered/Not Applicable !!!</b>		

6.4.3 – Total corpus fund generated

<b>No Data Entered/Not Applicable !!!</b>
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### 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic			Yes	College Administration
Administrative			Yes	College Administration

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Suggestions for improvement of academics 2. Cooperation in maintaining discipline 3. Participation in cultural events, sports etc.
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6.5.3 – Development programmes for support staff (at least three)

1. Computer Training 2. Administrative Skills 3. Conducive environment for self up gradation
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Implementation of CBCS in Post Graduate 2. Development of software for obtaining online feedback from students, teachers, alumni, parents etc. 3. Acquisition of STAR College Status from Dept. of Biotechnology, Govt. of India
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6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Preparation of Academic Calendar fro session - 201819	06/07/2018	06/07/2018	16/07/2019	31

2018	Preparation of Annual Report of the College for Session 2017 18	06/07/2018	06/07/2018	16/11/2018	15
2018	Green Audit of the College and Plantation Drive	06/07/2018	06/07/2018	16/10/2018	35
2018	Preparation for DBT Star Status	06/07/2018	06/07/2018	16/11/2018	10000
2018	Seminar and Workshops Development of Software for online feedback	06/07/2018	06/07/2018	16/09/2018	9000
2019	Starting of ability Enhancing Compulsory Course (AECC) in PG 1st Semester	29/01/2019	29/01/2019	29/04/2019	1000

## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Womens Empowerment	08/03/2019	08/03/2019	45	22
Good Touch- Bad Touch	27/10/2018	27/10/2018	65	24

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

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, waste and energy audit etc. The "CLEAN CLAN" society formed by the students of MBA have also shown its unflinching resolve for preserving the heritage and environment • The energy is conserved by making optimum use of electricity. The campus street lights have been replaced with solar vapor lamps, LED bulbs. • Some street poles have solar vapor lamps. 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 ewaste.

#### 7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	10
Ramp/Rails	Yes	10
Rest Rooms	Yes	10
Scribes for examination	Yes	25

#### 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	5	4	16/08/2018	30	College to Community	Health, Sanitation, Child Education, Environment awareness, womens empowerment	452

#### 7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Regularity and Punctuality	01/07/2018	As per university rule, 75 attendance of all the classes held in the respective departments is mandatory to appear in the university examination of the year
Prohibition of Ragging in the campus	01/07/2018	Ragging is a criminal offence. Any student found guilty of ragging will face stringent legal and / or punitive action as per UGC and university guidelines.
Gender Equity	01/07/2018	Any case of gender harassment in the form of

		eve teasing and threats of harassment will dealt with strictly.
Prohibition of Communication Device	01/07/2018	Use of mobile phone is restricted in the classroom
Plastic Free Campus	01/07/2018	Use of single use plastic in the campus is prohibited
Tobacco Free Zone	01/07/2018	Tobacco is completely prohibited in the campus

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Workshop on Freedom of Expression and Threat to Media	15/09/2018	15/10/2018	150
Seminar on Leading Role of Youth in Nation Building	20/08/2018	20/08/2018	122
Mahatma Gandhi Samaroh and Ideals of Non Violence	02/10/2018	02/10/2018	145

#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Green Audit 2. Plantation 3. Rain Water Harvesting 4. Vermi Composting 5. Initiative for Environmental Protection and Hygiene

### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

Best Practices I 1. Facilitating International Exposure to students. 2. To provide global exposure academically and building cultural understanding amongst the students. 3. The global scenario is rapidly changing. Therefore, the students should be well equipped with essential scruples and adroitness to compete in diverse global environment. Keeping in view the principles enunciated in our vision and mission statement, A. N. College, Patna started the process of International linkages and studentteacher exchange programmes. 4. Presently the college has numerous International linkages and studentteacher exchange programmes such as ERASMUS INDIA4EU, Experts Asia, Namaste, Svagata, Heritage, UKIERI, Commonwealth and Fullbright fellowships. The college has numerous collaborations with universities of Europe, USA and South Korea. 5. Ms. Rashmi Rani, Ph.D. student of Physics and an India4EU awardee went to Italy and thereafter received a Post Doc fellowship in France. Ms. Arpana Singh, M.Sc. student of Physics and an India4EU awardee went to Italy and thereafter received a Ph.D. fellowship in Germany. 7.3 Best Practices - II 1. Directing Youths exuberance towards social responsibility. 2. To inculcate and embed the sense of social responsibility amongst the youth. 3. All the citizens of India have the responsibility towards the holistic development of the society. Therefore to address this issue, various initiatives have been undertaken by the college towards the training of the overall growth of the students. 4. The social issues addressed by the college under the umbrella of NSS activities include Environmental issues in our society, Drug abuse, Stress Management, Malnutrition and Gender inequality, Sex crime and role of youth in its

prevention and Sanitation. A survey and monitoring programme of pension distribution was assigned to the college by the Dept. of Social Welfare, Govt. of Bihar. Awareness workshops were organized by the college on AIDS, Physical disability and Mass cleanliness. 5. The above foresaid details as mentioned in point 4 has led to successful implementation of various initiatives such as blood donation camp, instilled selfconfidence amongst the students and their alacrity towards their rights and duty were enhanced along with their social responsibilities. Regarding the pension distribution initiatives it was found that in most of the places the pension was carried as per schedule. 6. One of the most important problems encountered during the implementation of the initiatives is lack of awareness and education amongst the people in the society. One important point to be noted here is the cavalier approach of the Government officials towards the plight of the citizens

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 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 GangaMeghnaBrahmaputra 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.

Provide the weblink of the institution

## 8.Future Plans of Actions for Next Academic Year

A. N. College Patna, by virtue of its unremitting efforts has relentlessly marched ahead to realize its cherished goal for achieving excellence in field of higher education. It has evolved itself into a multidisciplinary, coeducational college having 27 departments which are imparting teachings in Science, Social Sciences, Humanities, Vocational and Professional courses. In most of the departments, it is running U.G., P.G. and Ph. D. courses. The college has endeavored to provide holistic education to its students and has been assiduously working for providing excellent academic ambience and support structures for curricular, cocurricular and extracurricular activities. Apart from teaching and learning the college is grooming and nurturing Research, Innovation and Extension to make substantial contribution to societal progress and benevolence. Recognizing the various perspectives of growth and development, a multidimensional future action plans having ingredients of Teaching, Learning, Researches, Infrastructures, Learning Resources augmentation and expansion, effective governance, social outreach strategies, etc. have been articulated in consonance with the objectives enshrined in Vision and Mission statements. These include: (i) Participation in NIRF (National Institutional Ranking Framework) (ii) Starting new courses/ certificate courses/ short terms courses commensurate with the industrial driven demands, employability in the market, socioeconomic requirements and local needs. (iii) To reap full advantages of MOOC like Spoken English etc. (iv) Facilitating student's exposure to national and international arena. (v) Construction of a Multipurpose building for further expansion and to deal with the problem of spacecrunch in some departments. (vi) Completion of the auditorium to boost cultural activities, seminars, conferences etc. (vii) Enhancing research facilities and creating state of the art laboratories by strengthening, augmenting an expanding Common Instrumentation Facility. (viii) Acquisition of projects in Science, Social Sciences and Humanities, enhancing national and international collaboration, partnering with industries and hosting and participating in national and international conference. (ix) Acquisition of fund for vertical expansion of Examination. (x) Expansion of Technical Block. (xi) Automation of office by MIS. (xii) Introduction of Radio Frequency Identification (RFID) in Central Library, automation of departmental seminar libraries, procurement of new books, journals etc. (xiii) Strengthening and augmenting sports facilities. (xiv) Intensifying extension activities/social outreach and community engagements, plantation of trees, Grand Audit sanitation programs, RainWater harvesting, WasteManagement etc. (xv) Increasing frequency of industry interaction, engagement of alumni Association for increasing employability of the students, organizing workshops/ seminars in collaboration with industry/ corporate houses etc.