



आर्यभट्ट ज्ञान विश्वविद्यालय
ARYABHATTA KNOWLEDGE UNIVERSITY

वार्षिक प्रतिवेदन Annual Report 2013-14



आर्यभट्ट ज्ञान विश्वविद्यालय, पटना
ARYABHATTA KNOWLEDGE UNIVERSITY, PATNA
www.akubihar.ac.in



ARYABHATTA KNOWLEDGE UNIVERSITY

(Established under Bihar Act 24, 2008)



Chancellor
Dr. D. Y. Patil



Vice-Chancellor
Dr. Uday Kant Misra



Registrar
Prof. (Dr.) Nirbhay Kumar Singh

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VICE-CHANCELLOR'S REPORT



I am overwhelmed while presenting the Annual Report of Aryabhatta Knowledge University (AKU) for the year 2013-14 incorporating various academic developments and fiscal activities. Aryabhatta Knowledge University is a toddler, just four years old. The University is still learning to walk with its baby steps, one at a time, hesitatingly, haltingly, holding & clutching on to every support available. Yes, but its each step can be compared with the giant leaps taken by the dwarf incarnation of Lord Vishnu, the Vamana Avatara!

Aryabhatta Knowledge University, like many other major Institutions in Bihar, is the brain child of most affable Shri Nitish Kumarji, erstwhile Chief Minister of Bihar, who still continues to shower his unconditional patronage & tutelage to AKU. The University is making all efforts to live up to the expectations and high standards of Venerable Shri Nitish Kumar ji, Hon'ble Chief Minister Shri Jitan Ram Manjhi ji and Hon'ble Education Minister Shri Brishin Patel ji with the benevolent and all-pervading blessings of His Excellency, the Chancellor of all Universities of Bihar, Hon'ble Shri D. Y. Patil. Under the love and care of these statwards, the University has made commendable and all-round progress during the year under report.

Presently, there are 71 affiliated Technical Colleges with AKU. Out of these, one Academic Centre, "Aryabhatta Centre for Nanoscience and Nanotechnology (ACNN)", is being run from the University Campus. The Centre is emerging as an excellent knowledge hub in the field of Nanoscience and Nanotechnology at the national level. Further the University, committed to take the state to a new height of technical/professional education, is in the advanced stage of establishing 8 new Schools with at least 3 Centres under each school. The University is grateful to Shri Haribansh Narayan Singh, MP, Rajyasabha, who, on his own volition, offered to donate his MP fund to create a new "Centre for Study of Rivers". This too was possible due to the initiative and encouragement of Shri Nitish Kumar Ji. In this regard, the visit of Dr. Rajendra Singh, Water Man of India and Ramon Magsaysay Award winner, to AKU on 10.10.2014, was significant. Dr. Singh has promised to provide all possible support for establishing the "Centre for Study of Rivers".

It gives me immense satisfaction to state that during the academic session 2013-14 the University has successfully conducted 57 examinations of various streams (and crossed the 100th mark of examinations conducted so far) in which 34,404 students appeared. Further,

20,671 students were registered with the University in the academic year 2013-14. The University timely holds strict & fair examinations and publishes results with least possible errors within the optimal time. AKU is ready with an in-house computerised system to cater to each and every examination related matters from registration to publication of results. This system would save time and money of the University. Once the entire system is vindicated as foolproof, its services could be extended to other Universities of the state.

The University is fulfilling a great social commitment through its affiliated 15 Community Colleges. These Community Colleges are dedicated to professional education for the deprived section of society. I am happy to mention here that Mr. Michael Pelletier, Charges D’Affairs, U. S. Embassy, New Delhi and Ms. Helen LaFave, Counsil General, U.S. Consulate, Kolkata, visited AKU on 17th June, 2014, to discuss the functioning of Community Colleges in Bihar. They appreciated the good work done by AKU for the deprived section of the society. The University is looking forward for linkages and collaborations with national and international institutions to promote higher technical and professional learning to larger masses through the community colleges. The University has already taken first step towards fulfilment of the above ambition by signing a Memorandum of Understanding (MoU) with an international charitable organization, Wadhwani Foundation, to improve the standard of Community Colleges.

Committed to academic reforms, the University is determined to make all its academic institutions tech-savvy for teaching through DVDs, virtual classes and e-classes to fill the gap between the demand of quality education and paucity of qualified teachers. The University has planned to bring all the colleges of each school under one Academic ambit through e-learning and e-teaching. The University is seeking help from C-DOT, NKN and CDC, New Delhi to implement the aforementioned proposal.

The University is also conscious of its social and financial responsibilities. Therefore the University has been proactively promoting merit, objectivity and transparency in all its decision making processes to ensure confidence among its all stakeholders. All such important decisions are taken in the most transparent manner by different authorities of the University which include the Court, the Executive Council, the Academic Council, the Finance Committee, the Examination Board, the Unfair means Committee, etc.

Efforts are being made to upload all decisions and activities of the University on the University website. Expression of Interest (EOI), results and vacancies are regularly uploaded on the website which has been revamped completely during the current year. Goods are being procured only through open tenders or at Directorate General of Supplies and Disposals (DGS & D) rates. The University has been made a zero tolerance zone for any unwarranted activities.

It gives me pride and satisfaction to report that the AKU is perhaps the first and so far the only university in Bihar which has constituted a committee to prevent the sexual harassment of its female employees. The Committee is chaired by Ms. Archana Palkar Khopade, Panel Advocate, AKU.

The University has also established Equal Opportunity Cell under the chairmanship of Prof. (Dr.) Kamal Prasad, HoC, ACNN.

Aryabhatta Knowledge University aims to armor its students with requisite survival skills at a time when they are exposed to the vagaries of competitive world. The focus is on excellence, innovation, research and thinking out of the box. The whole idea is to make higher technical education a tradition where a teacher is not a 'sage on the stage but a guide by the side' and the teaching is 'student oriented' rather than 'teacher centric'. With this in mind the paradigm of education is being designed to achieve academic excellence by revamping pedagogy, updating curriculum, implementing uniform class routines, collaborating with international academic agencies and introducing world class teaching tools in its institutions. The curriculum is being redesigned to make it market centric in consultation with the industry and the market forces.

2013-14 was eventful for AKU as the University successfully held its 1st Convocation ceremony on 24.02.2014 in which 3669 students were awarded with Medical/Engineering/ Technical/ Professional degrees. Luminary guests, His Excellency Dr. D. Y. Patil, Chancellor, Hon'ble Nitish Kumarji, the then Chief Minister, Hon'ble P. K. Shahi, the then Minister for Education and Hon'ble Gautam Singh, the then Minister for Science and Technology, blessed the students and conferred with their degrees.

One of the definition of education is, education is which liberates (सा विद्या या विमुक्तये)'. AKU is indeed indebted to Shri Nitish Kumarji, for providing it an opportunity to liberate the younger generation from shackles of ignorance. The University is determined to make them honest, healthy, competent, confident, open, inquisitive, zealous and vibrant. The aim is to prepare the students for the next level of their lives and open them to learning at every stage of their lives. They are also being trained to meet the challenges of the modern world and achieve their aspirations with courage, self-control, humility and empathy.

The year 2013-14 brought in lot many emotionally surcharged sad moments too for AKU. The founder Vice-Chancellor, Prof. (Dr.) S. N. Guha, who had nurtured AKU like his own child, completed his tenure and created an unreplaceable void. The four pillars, Dr. Akhileshwar Prasad, O.S.D. - 1 (Exam), Dr. B. K. Azad, O.S.D. - 2 (Exam), Shri K. N. P. Sinha, C.A.&A., and Shri Vijay Kumar, O.S.D. (Finance) also superannuated after completing 65 years. I salute these stalwarts with total equanimity, respect and adoration.

I am totally humbled by what AKU team has been able to accomplish so far. We are optimistically working with full dedication, greater hope, zeal and enthusiasm for fulfilment of the ambitious program slated for the coming academic years.



(Dr. Uday Kant Misra)
Vice-Chancellor

REGISTRAR'S MESSAGE



It is a pleasure to know of publication of the 1st Annual Report of Aryabhata Knowledge University based on the activities of the University in the year 2013-14. Foundation of the University was a significant achievement of the government and a fulfillment of dream of Shri Nitish Kumar, the former Chief Minister of Bihar.

The vision of the University has been to mould characters, shape the career, bring perfection in behavior and excellence in educating the younger generation of the state. Step by step we have achieved greater educational heights with continuous support of all stake holders including the government especially Shri Nitish Kumar Ji. The former chief minister worked hard with dedication to bring the forgotten educational glory of the state. AKU was established as one of the educational centres which would eventually bring back the tradition of learning and put Bihar on the educational map of the world.

The Vice-Chancellor of AKU has been putting all efforts to translate the dream of Shri Nitish Kumar Ji into a reality by working to establish 8 educational schools, ensuring a signature building for AKU, regularizing examinations and by making an effort to introduce modern teaching tools etc. I want to convey my heartiest congratulations to all stake holders especially the employees of AKU for their sincere and concerted efforts for the success of this University.

I hope the University achieves a new height of higher technical education in the coming years.

(Prof. N. K. Singh)
Registrar

CHAPTER -1

ABOUT THE UNIVERSITY

The word University is supposed to mean the universe in a city. It may as well mean unity in diversity. AKU is the consequence of one of the personal dreams (out of his very many) of Sri



Sri Nitish Kumar
Former C.M., Bihar

Nitish Kumar, the honourable former chief minister of Bihar. He is acknowledged to have the zeal and competence to turn his dreams into reality within optimum time and with minimum resources. Soon after Sri Kumar became the chief minister of Bihar in November 2005, education in general and technical education in particular in the state of Bihar has been receiving his personal attention. Before his advent at the helm of affairs, the condition of technical education in Bihar was not very positive. There were only a few exceptions. Even these rare glorious institutions of the bygone era were languishing for want of due care and attention. The sessions were running inordinately late. Since different technical institutions were being controlled by different Universities, there was no uniformity in their examination patterns either. Consequently the exodus of brilliant young students from Bihar to different states like Karnataka, Maharashtra, Delhi, UP and Punjab was exponentially increasing. Due to exorbitant financial implications, only the affluent families could afford to send their children outside Bihar for studying engineering or medical sciences. The majority of remaining otherwise intelligent children, who did not have the means for such venture, had to suffer the anonymity.

Since Sri Nitish Kumar comes from a humble background, he could very well empathise with the plight of the underprivileged students of his state. He immediately took meaningful and strong steps in this direction to assuage the pitiable condition of Higher/Technical Education. As a first step he desired to have uniform curricula in all the Technical colleges, regular sessions, timely examination and publication of results with minimum errors within a reasonable time. For his all such wishes to materialise, a dedicated educational infrastructure was immediately required.

And he established AKU through Aryabhatta Knowledge University Act, 2008 dated 11.08.2008! He envisioned the University, with headquarters at Patna, which would bring all Technical, Medical, Management and Professional institutions under one umbrella. He named it after the great mathematician and astronomer 'Aryabhatta' (476-550CE) and added the word 'Knowledge' to it. Since his penchant for details and love for vernacular are well known, he also christened this University in Hindi as 'Aryabhatta Gyan Vishwavidyalaya'. There is no definite proof to establish that the venerable 'Aryabhatta' was actually a native of Bihar. However, there is no doubt that his astronomical observatory was situated in

Taregana in Patna district of Bihar (hardly few kilometres away from the proposed site for AKU).

On 19th March 2010 Sri Nitish Kumar appointed Prof. (Dr.) S. N. Guha, Former Professor & Head of the Department of Physics, Patna University, Patna and former principal of the prestigious Science College, Patna as the first Vice-Chancellor of AKU. Initially AKU functioned from two bed rooms flat of Prof. Guha. Thereafter the office of AKU was shifted to 8 off Polo road, Patna, for about five months. Therefrom AKU moved to A. N. Sinha Institute of Social Sciences, and functioned from there for about one & half years. Presently Aryabhatta Knowledge University functions from the campus of Chanakya National Law University, Patna. The plan for its own campus is on an advanced stage. In the meantime AKU celebrated its 1st & 2nd Anniversary. The then Hon'ble Chief Minister was the chief guest in 1st anniversary and Sri P. K. Shahi, Hon'ble Minister for Education graced the 2nd anniversary as chief guest. The then Deputy Chief Minister, Shri Sushil Kumar Modi, was the chief guest in 3rd Anniversary and Shri Amarjeet Sinha, the then Principal Secretary of Department of Education, was the chief guest of the 4th Anniversary.

At the very inception, in September 2011 all State funded six Government Medical colleges and seven Engineering colleges were affiliated to AKU. Soon after, in October 2011, 'Post Graduate Degree in Food Technology and entrepreneurship (M.Sc. Food Technology)' was affiliated to AKU. It was followed by affiliation for 'B. Pharma' in December, 2011. Thus, within a very short time of its inception, AKU acquired the status of a truly technical University.

AKU prepared uniform syllabi for all subjects, timely conducted examinations for all the colleges and published results with greater accuracy within the shortest possible time. Thus the sessions were regularized. Since then every endeavour is being made to achieve excellence in teaching, research and extension work in these areas.

In his endeavour to resurrect the old glory of education system of Bihar, the then chief minister had been very ably assisted by four persons, namely Sri P. K. Shahi, the then Cabinet Minister for Education, Bihar, Sri Anjani Kumar Singh, I.A.S., the then Principal Secretary, Department of Education, Bihar (presently the Chief Secretary to the Govt. of Bihar) the then chief secretary of Bihar, Sri Navin Kumar and Sri Amarjeet Sinha, previous Principal Secretary, Department of Education, Bihar. Sri Anjani Kumar Singh, as the Principal Secretary of the Department of Education, and later as the Principal Secretary to the Chief Minister, sincerely matched each step of Sri Nitish Kumar, in setting up AKU. Shri Brajesh Mehrotra, the Principal Secretary to the Chancellor has been very supportive and keenly interested in the development of the University. The present Chief Minister Hon'ble Shri Jitendra Ram Manjhi and the Education Minister Hon'ble Shri Bishin Patel are highly experienced politicians who have been showering unstinted support to AKU.

Padmshree Dr. Vijay Prakash, Professor, P.M.C.H., Patna, Padmshree Dr. Jitendra Kumar Singh, former Director, Mahavir Cancer Sansthan, Patna, Former Vice-Chancellor of three Universities Prof. S. N. Sinha, Sr. Doris D'souza, Principal, Patna Women's College and other renowned Academicians have been actively guiding the Academic discourse of the University.



Prof. (Dr.) S. N. Sinha
Leading an inspection team



Padmshree Dr. Jitendra Kr. Singh
Cancer Expert



Padmshree Dr. Vijay Prakash
Professor, PMCH, Patna



Sr. Doris D'souza
Principal, PWC, Patna

VISION OF THE UNIVERSITY

The vision of AKU is to be a vibrant knowledge University, resonating with the mission of all round development, by providing value-based, creative and innovative quality education.

MISSION & OBJECTIVES OF THE UNIVERSITY

AKU has been established to impart higher education, promote research and to do much more. Through 15 community colleges AKU now offers innovative and socially relevant job oriented courses. AKU plans to preserve the connection between knowledge and the zest for life. Its objective is to make the life a way of living and not just an article of commerce.

In addition to above, AKU has made considerable headway in its goal to disseminate knowledge and research findings emerging from the University, and its institutions. AKU now further intends to develop relationships for achieving its objectives and to serve as an agency of quality improvement for teachers in their respective and interdisciplinary fields and also using modern teaching tools. AKU now is totally geared up to assimilate the scientific wisdom available across the world; to establish partnerships with industries and other contemporary systems in all sectors like technology, agriculture, manufacturing and services.

CHAPTER – 2

THE STATUTORY AUTHORITIES OF THE UNIVERSITY

1. MEMBERS OF THE 1ST COURT (20TH MAY, 2010 – 19TH MAY, 2014)

i.	The Vice-Chancellor, AKU, Patna	:	Member
ii.	The Director, Chandragutpa Institute of Management, Patna	:	Member
iii.	The Vice-Chancellor, Chanakya National Law University, Patna	:	Member
iv.	The Director, Birla Institute of Technology, Mesra, Patna Branch	:	Member
v.	Dr. Jitendra Singh, Vice-Chancellor, Nalanda Open University, Patna	:	Member
vi.	Dr. S. I. Ahsan, Pro Vice-Chancellor, Patna University, Patna	:	Member
vii.	Dr. Basant Singh, Ex. Joint Director, I.G.I.C., Patna	:	Member
viii.	Shri Lalit Kishore, Additional Advocate General	:	Member
ix.	The Director, (Higher Education) Education Deptt., Govt. of Bihar (Ex-Officio)	:	Member
x.	The Registrar, AKU, Patna	:	Member Secretary

2. MEMBERS OF THE 1ST EXECUTIVE COUNCIL (15 MARCH, 2011 – 14 MARCH, 2015)

i.	The Vice-Chancellor, AKU, Patna	:	Chairman
ii.	Prof. S. N. Sinha Ex Vice-Chancellor, J. P. University, Chapra	:	Member
iii.	Prof. Rajmani Prasad Sinha Ex-Chairman, Bihar School Exam Board.	:	Member
iv.	The Principal Secretary Education Department, GoB.	:	Member
v.	Dr. Vijay Prakash Singh Professor, P.M.C.H, Patna.	:	Member
vi.	Prof. Surendra Kumar Retd. Professor (Civil) N.I.T, Patna.	:	Member
vii.	Dr. D.M. Diwakar Director, A.N.S.I.S.S, Patna.	:	Member
viii.	Sri Krishna Pd. Singh Senior Advocate, Patna High Court, Patna.	:	Member
ix.	Prof. Vijaya Bandhopadhaya Professor, C. I. M. P.	:	Member
x.	The Registrar, AKU, Patna	:	Secretary

3. MEMBERS OF THE 1ST ACADEMIC COUNCIL (22 OCT., 2011 – 21 OCT., 2014)

- | | | | |
|-------|--|---|------------------|
| i. | The Vice-Chancellor, AKU, Patna | : | Chairman |
| ii. | The Deans of faculties | : | Members |
| iii. | The Director, Higher Education, Govt. of Bihar | : | Member |
| iv. | All Heads of University Departments | : | Member |
| v. | All Principals of Colleges maintained by the State Government. | : | Members |
| vi. | Two experts outside the University service, to be co-operated by the Academic Council for specific purpose according to needs. | : | Members |
| vii. | The President of the University Students Union: | : | Member |
| viii. | The Registrar, AKU, Patna | : | Member Secretary |

4. MEMBERS OF THE 1ST FINANCE COMMITTEE:

- | | | | |
|-------|--|---|----------|
| i. | The Vice-Chancellor, AKU, Patna | : | Chairman |
| ii. | Prof, Shambhu Nath Singh
(Chancellor's Nominee) | : | Member |
| iii. | Prof. Bhola Ishwar
(Chancellor's Nominee) | : | Member |
| iv. | Dr. Asha Singh
(Chancellor's Nominee) | : | Member |
| v. | Prof. (Dr.) Sita Ram Singh
Director, H.R.D, Govt. of Bihar
(Court Nominee) | : | Member |
| vi. | Sri P. M. Sahay
(Executive Council Nominee) | : | Member |
| vii. | Sri B. N. Jha
(Executive Council Nominee) | : | Member |
| viii. | Prof. S. N. Sinha
(Executive Council Nominee) | : | Member |
| ix. | The Finance Officer, A.K.U, Patna
Secretary | : | Member |

5. MEMBERS OF THE 1ST EXAMINATION BOARD

- | | | | |
|------|--|---|----------------|
| i. | The Vice-Chancellor, AKU, Patna | : | Chairman |
| ii. | Dr. Achintya, Dean (Engg.), BCE, Bhagalpur | : | Member |
| iii. | Dr. A.K.Singh, Dean (Medicine), JLNMC, Bhagalpur | : | Member |
| iv. | Father Thomas Perumalil, Dean (Edu.), AKU, Patna | : | Member |
| v. | The Registrar, AKU, Patna | : | Special Member |

6. MEMBERS OF THE 1ST BUILDING COMMITTEE (12 MAY, 2014 – 11 MAY, 2017)

- | | | | |
|-------|--|---|-------------------------------------|
| i. | The Vice-Chancellor, AKU, Patna | : | Chairman |
| ii. | The Superintending Engineer,
Building Construction Deptt., Bihar, Patna | : | Member |
| iii. | Shri Alok Kumar, Architect, New Delhi
(Nominated by the Executive Council) | : | Member |
| iv. | Shri P. M. Sahay, F.A., J. P. University, Chapra
(Nominated by the Finance Committee) | : | Member |
| v. | The Inspector of Colleges, AKU, Patna | : | Member |
| vi. | The Registrar, AKU, Patna | : | Member |
| vii. | The Deputy Registrar, AKU, Patna | : | Member Secretary |
| viii. | Shri Upendra Mohan Sinha,
Executive Engineer (Rtd.), C-DOT, New Delhi | : | Permanent Special
Invitee Member |

MEETINGS OF THE AUTHORITIES**1. THE COURT:-**

Sl. No.	Meeting	Date
1	11 th	15.01.2013
2	12 th	16.02.2013.
3	13 th	09.03.2013
4	14 th	13.08.2013
5	15 th	01.02.2014.
6	16 th	19.05.2014.

2. THE EXECUTIVE COUNCIL:-

Sl. No.	Meeting	Date
1	9th	12-01-2013
2	10th	11-05-2013
3	11th	09-08-2013
4	12th	28-08-2013
5	13th	03-10-2013
6	14th	04-12-2013
7	15th	25-01-2014
8	16th	10-03-2014
9	17th	19-04-2014
10	18th	17-05-2014
11	19th	02-09-2014

3. THE ACADEMIC COUNCIL:-

Sl. No.	Meeting	Date
1	2 nd	22.01.2013.
2	3 rd	06.05.2013.
3	4 th	29.07.2013
4	5 th	26.04.2014
5	6 th	28.06.2014.
6	7 th	30.08.2014

6th Meeting

28.06.2014



Academic Council Members in the Meeting on 28.06.2014

4. FINANCE COMMITTEE:-

Sl. No.	Meeting	Date
1	6 th	31.08.2013
2	7 th	17.12.2013
3	8 th	19.04.2014
4	9 th	15.05.2014
5	10 th	26.07.2014

5. EXAMINATION BOARD:-

Sl. No.	Meeting	Date
1	03 rd	17.01.2013
2	04 th	28.01.2013
3	05 th	04.02.2013
4	06 th	13.07.2013
5	07 th	22.07.2013
6	08 th	21.12.2013
7	09 th	20.01.2014
8	10 th	28.04.2014
9	11 th	02.06.2014
10	12 th	09.06.2014
11	13 th	28.07.2014
12	14 th	05.08.2014
13	15 th	11.09.2014

6. THE BUILDING COMMITTEE:-

Sl. No.	Meeting	Date
1	1 st	01.08.2014
2	2 nd	20.09.2014



Building Committee Members in the Meeting on 01.08.2014

CHAPTER - 3

QUALITY ENHANCEMENT INITIATIVES

1. INITIATIVES RELATED TO INFRASTRUCTURE:-

1.1 THE UNIVERSITY BUILDING:

The University has planned to ensure an intelligent, green and sustainable AKU campus. The focus would be on increasing the efficiency of resource utilization such as energy, water and materials etc. while reducing the impact on human health and environment during the building's life cycle. The constructing agency, Bihar State Infrastructure Development Corporation (BSEIDC) Ltd. has been entrusted with the total responsibility from conception to completion of this project. However, the University has also constituted a Project Monitoring Team (PMT) consisting of Shri Alok Kumar, Architect, New Delhi and Prof. Kalyan Prasad Agrawal,

Chandragupta Institute of Management Patna, to monitor the quality of work and timeline. Efforts are being made for construction of an intelligent campus – for future centric growth, secured campus – for people's safety, healthy campus – for people's health, energy efficient campus – for optimal consumption of energy and green & sustainable campus for larger interest of society.



Boundary of AKU under Construction

1.2 A PRE-FABRICATED STRUCTURE FOR ACNN:

The University, after realizing that it would take time for the main building to be fully functional and space constraint was adversely affecting academic activity of ACNN, has proposed to construct a Pre-Fabricated Structure for ACNN. The Pre-Fabricated structure would be roughly 15,000 Sq.ft. with area of the main building is constructed, once the pre-fabricated structure shall be integrated construction of could be utilized even after construction of a main building and would be compatible with the main building.



Graphic Image of Proposed Pre-Fabricated Building of ACNN

1.3 CONSTRUCTION OF UNIVERSITY SOPHISTICATED INSTRUMENT CENTRE (USIC) AND INCUBATORS:

The University has proposed to establish USIC and Incubators because this could be an important dimension in its relationship with the industry and commerce, a pathway for its own students to take ideas into the commercial world, an immediate way of putting their technology and expertise to work to the benefit of the local community and in some cases an investment vehicle for generating a financial return. It has been well known that the Industry, especially the manufacturing sector, has been heavily dependent on expert opinion and help from the academia. The incubators would turn ideas into business and would groom startups for establishing units industry started Bihar.

1.4 EQUIPPING EDUCATIONAL INSTITUTIONS WITH THE ELECTRONIC GADGETS FOR INTEGRATION OF DIFFERENT COLLEGES OF THE SAME STREAM:

The University has planned to equip educational institutions affiliated to AKU with the electronic gadgets for integration of different colleges of the same stream so that the University could integrate all colleges of the same stream to promote e-learning. It would be easier to educate students about modern developments of their streams by getting them connected with each other and with other educational institutions of national and international repute.

2. ACADEMIC PROGRESS

2.1 NEW HORIZONS

2.1.1 Plan for Establishment of Eight Schools:

So far, only one school of higher learning, i.e. Aryabhata Centre for Nanoscience and Nanotechnology has been made functional. To promote quality education and research in socially & financially viable fields, AKU has proposed to establish some more schools viz.-

- i School of Engineering & Technology
- ii School of Management Studies
- iii School of Health & Medicine
- iv School of Education Training & Research
- v School of Law and Legal Science
- vi School of Astronomy & Astrophysics
- vii School of Applied Mathematics
- viii School of Environment

2.1.2 Proposal for construction/establishment of three Centres of higher learning:

Ministry of Education, Govt. of Bihar has intimated that under the RUSA scheme, the University could be granted Rs. 78 crores, spread over a period of 3 financial years, for establishment of 3 technical centres at the rate of twenty six crores each. The funding could be made available during the financial years 2014-2015, 15-16 and 16-17. The University plans to establish the following 3 - Technical Centres under different schools of Academic Excellence:-

- (a) **"Aryabhatta Centre for Stem Cell Technology (ACSCT)" under the "School of Health and Medicine"** – This Centre is proposed to be established in financial year 2014-15. Although the project would cost approximately Rs. 100 Crores for the building of an area of 13,000 Sqm including the cost of infrastructure besides the cost of faculty, furniture etc, however, the financial allocation for financial year 2014-15 has been limited to Rs. 26 Crores. With the limited resources of Rs. 26 crores, it was proposed that the area of the building of the Centre would be restricted to approximately 3,380 sqm during the Financial Year 2014-15. For other infrastructure and man-power needs, fresh allocation from the Government shall be sought.
- (b) **"Aryabhatta Centre for Technical Teacher Training (ACTTT)" under the "School of Education, Training and Research"** – This centre is proposed to be established in financial year 2015-16. It is proposed to create this centre on the first floor of ACSCT. Although the project would cost approximately Rs. 110 Crores for a building of an area of 13,000 Sqm, the financial allocation is limited to Rs. 26 Crores. With the limited resources of Rs. 26 crore, it was proposed that the area of the School building would be restricted to approximately 3,000 sqm during the Financial Year 2015-16. For other infrastructure and man-power needs, fresh allocation from the Government shall be sought.
- (c) **"Aryabhatta Centre for Astrophysics (ACA)" under the "School of Astrophysics and Astronomy"** – This centre is proposed to be established in financial year 2016-17 and on the 2nd floor of ACSCT building. Although the project would cost approximately Rs. 120 Crores for a building of an area of 13,000 Sqm, the financial allocation is limited to Rs. 26 Crores. With the limited resources of Rs. 26 crore, it was proposed that the area of the School building would be restricted to approximately 2,600 sqm during the Financial Year 2016-17. For other infrastructure and man-power needs, fresh allocation from the Government shall be sought.

2.1.3 Establishment of "The Centre for studies of River", under a new school "School of Environment" by the fund from the Member of Parliament:

Shri Haribansh Narayan Singh, Hon'ble M. P., Rajyasabha has offered to donate his MP fund to Aryabhatta Knowledge University for Financial Year 2014-15 to establish a **Centre for Studies of Rivers**. He has expressed his concern for lack of Academic attention on Rivers despite recurring floods and draughts in Bihar.

Flood and draughts have been one of the several important reasons for economic backwardness of the State.

Aryabhatta Knowledge University took up the proposal of Shri Haribansh Narayan Singh in right earned to embark upon an immensely useful Academic Journey. The indiscriminate use of natural resources, obstructing the natural flow of Rivers by constructing Barrages and dams, and negligence towards their preservation have led to high degree of vulnerability in terms of flood due to silting and raising of river bed and land erosion. Highly alarming and adverse effect of climate change has added a new dimension to hydrological cycle resulting in unpredictable changes in rainfall intensity as well as frequency. This in turn has resulted in increased river flow but for a very short duration causing recurrent losses of life, property, flora and fauna. Problem of water pollution has also endangered the ecological system of rivers.

Rivers have always had severe impact on emerging changes in surrounding environment, population growth, industries and groundwater systems. The Centre would have vision to be recognized as a vibrant Centre of Excellence for knowledge, research and capacity building. The target is to work out ways and mean rejuvenate this dried up rivers of Bihar, to study this impact of various constructions in and around the rivers, probable impact of proposed linking of rivers be not only to work on various dimensions of disaster reduction and management but also on river engineering decisions such as an improved design for protection of bridge pillars, river navigation, restoration of biodiversity and ultimately sustainable use of rivers for betterment of society.

This Centre for study of Rivers would be placed under a new school “School of Environment”.

2.1.4 MoU between AKU and CDC:

The University is in an advanced stage of finalizing the MoU with Consultancy Development Centre (CDC), Department of Scientific and Industrial Research (DSIR) under the Ministry of Science and Technology, Govt. of India, to establish 8 Schools of Higher Learning. The broad roles of CDC would be:-

- a. To prepare a concept document with an overview of similar different schools the world over and their relevance in the present Indian context with a realistic projection of their futuristic role in nation building through employment generation.
- b. To explore the possibilities of creation of at least 3 centres under each school. The focus should be on to prepare a basic guidelines for establishment of infrastructure in terms of specialized buildings, labs, equipment etc. for each of the 8x3=24 Centres and the University Sophisticated Instrument Centre (USIC).
- c. To delineate the process of head hunting for resource persons, i.e. the teachers, technicians and non-teaching staff for each centres.

- d. Dr. Prabhat Ranjan, Executive Director, TIFAC, New Delhi, has taken up the responsibilities of coordinating with CDC on behalf of AKU.

2.1.5 MoU between AKU and C-DOT:

An agreement for MoU with C-DOT to interlink all colleges through internet and video conferencing, to introduce modern teaching tools and gadgets for dissemination of knowledge through e-learning/e-library is in an advance stage. Therefore the newly proposed building is being designed to cater to the demands of modern technology for updated teaching and learnings. It has been principally agreed that C-DOT shall install its pilot project in AKU for knowledge dissemination. Help from National Knowledge Network (NKN) is also being sought for the aforementioned work.

2.1.6 Proposal for introduction of Uniform Class Routines for all the colleges of the same stream from the next academic session:-

The University has decided to introduce Uniform Class Routines for all the colleges of the same stream from the next academic session. The Deans of all functional School have been requested to prepare and submit the uniform class routines with support of Principals of concerned colleges. It was brought out that a uniform class routine, with proper mile stones for each semester, would promote all colleges to complete courses on time and facilitate the university in monitoring teaching standards.

2.1.7 Granting scholarship/stipend to the students pursuing M.Tech/Ph.D. in centres run by the University:

It was a matter of great pride and satisfaction that through an entry test, the first batch of students has been enrolled in ACNN to pursue M.Tech/Ph.D. courses. These students, however, have not received any financial assistance from the university by way of scholarship or stipend, which is a common feature in such technical courses in all other institutions of repute. The Academic Council, in its 5th meeting, held on 26-04-2014, agreed to grant scholarship/stipend to the M.Tech/Ph.D. students in the centres under the direct control of the university & constituted the following sub-committee for working out the modalities for awarding fellowship & stipend.

- | | | |
|----------------------------|---|------------------|
| 1. Prof. (Dr.) S. N. Sinha | : | Chairman |
| 2. Dr. G. K. Choudhary | : | Member |
| 3. Dr. Khurshid Alam | : | Member |
| 4. Dr. Anjani Kr. Nathani | : | Member |
| 5. Sri B. K. Sinha, (F.O.) | : | Member-Secretary |

2.1.8 Formation of the Sub-Committee:

The same was ratified by the Executive Council and the Court. Subsequently the Sub-Committee has recommended the following:-

- (i) University should make all efforts to create the necessary infrastructure and physical facilities at the earliest possible to enter into the GATE/NET/JEST pool. This would enable the university to receive fund from the central agencies for the purpose of stipend/scholarship to all such candidates who join the programme through their qualifying examination(s) and there will not be any financial burden either on the University or the State Govt. Necessary approval from AICTE and other regulatory bodies should also be sought for providing stipend/scholarship to the M.Tech./Ph.D. students since they have qualified the University entrance test.
- (ii) All the students (M.Tech./Ph.D.), except the sponsored candidates, are eligible to get stipend as they have qualified the University entrance test (written test followed by Viva-voce examination with certain cut-off marks). However, such students who will hold the stipend/assistananship from any other sources will not be eligible for University stipend.
- (iii) Since the university is following the State reservation policy at the time of admission, all the admitted students are eligible (ref. para 2 above) to get stipend.
- (iv) The stipend may be discontinued under any of the following conditions:-
 - a) The student fails to attend at least 75% of the classes held every month (theory and practical). Provided 15% condonation may be done by the Vice-Chancellor, if he/she deems it fit and proper. In no case a candidate with less than 60% of attendance every month will be considered for stipend for that month.
 - b) The student fails to secure SGPA/CGPA of less than six (06).
 - c) No disciplinary proceeding which includes moral turpitude, arrest warrant or FIR is pending against the student concerned. However, if the student is found to be innocent subsequently, his/her scholarship may be reinstated.
 - d) The overall conduct of the student is found to be unsatisfactory.
- (v) The stipend amount will get credited to the student's S/B account.
- (vi) The University should create a corpus fund by approaching the State/Central Govt. agencies for grant and industrial houses for donations and charity.
- (vii) The University may levy a sum of Rs. 1,000/- (Rs. One Thousand only) per student per semester to be known as student's assistance fund instead of student's welfare fund from all such undergraduate students who are pursuing engineering and technology stream courses through colleges affiliated to AKU. The money so collected will be kept in a separate account and utilized for giving stipend to the post graduate student of the centre run by the University till such time the arrangements envisaged in para '1' above

becomes fully operational. The amount of stipend from students' assistance fund will be decided by the University.

All such post graduate students (Ph.D./M.Tech.) who receive stipend from students' assistance fund or any other source will have to devote a total of eight weeks of working days in a maximum of two slots for doing the teaching assistance ship in the colleges to be decided by the University.

The aforementioned recommendations have been appreciated and approved by various committees of the University. These propositions have been forwarded to the state Government. Once the Govt. approval is received the same would be implemented.

2.1.9 Formation of sub committees for improvement of Academic standard:-

Various sub-committees have been formed by Academic Council of the University to transform education system. The meeting of this sub-committees are held more frequently by allowing more debate on subtle issues and brain storming session to reach conclusion. AKU has finalized the study schemes for various disciplines which is being introduced in a phased manner. For example the following sub-committee have been constituted for the procurement and dubbing or sub-titling of the contents (in Hindi) of various technical DVDs and online available course materials for its students:-

(i) Sub-committee for Medical and other courses related to Health & Medicine.

Dr. Khurshid Alam (Patna Medical College)	: Chairman
Dr. A.K. Agrwal (Patna Medical College)	: Member
Dr. Rajiv Ranjan Prasad (Patna Medical College)	: Member
Dr. Ajay Pratap (Inspector of Colleges, AKU, Patna)	: Member Secretary

(ii) Sub-committee for all courses related to Engineering and Technology.

Dr. C.B. Mahto	: Chairman
Principal, Nalanda College of Engineering	
Dr. (Prof.) Girish Kumar Chaudhary	: Member
NIT, Patna	
Sri Akhileshwar Kr. Mishra	
Principal, Motihari College of Engineering, Motihari	: Member
Sri Rajeev Ranjan	: Member Secretary
Controller of Examination, AKU, Patna	

(iii) Sub-committee for B.Ed, M.Ed, BBA, BCA, B.Com (P), BMC, BBE etc. (courses other than Health and Medicine & Engineering and Technology)

Dr. (Fr.) Thomas Perumalil	: Chairman
Principal, St. Xavier's College of Education Patna	
Dr. Gyandeo Mani Tripathi	: Member
Principal Maitreya College of Education, Hajipur	
Dr. Raymond Cherubin	: Member

St. Xavier's College of Management & Technology,
Digha, Patna

Mr. Animesh karn : Member

St. Xavier's College of Management & Technology,
Digha, Patna

Ms. Vijay Shree : Member

St. Xavier's College of Education Patna

Dr. Deepankar Shri Gyan, : Member Secretary
Assistant Registrar, AKU, Patna

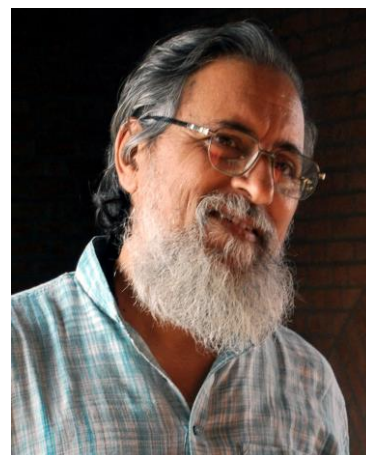
The idea behind this exercise is to help students who come from rural areas, who are not very well conversant with English language and are from economically weaker section of society.

2.1.10 Appointment of scholars of repute as advisors to the Vice-Chancellor:- Many accomplished scholars have been appointed as advisors to the Vice-Chancellor to achieve Academic excellence as given below:-

2.1.10.A Appointment of Professor Anil K. Gupta, IIM (A) Ahmedabad as special honorary advisor to the Vice-Chancellor for Innovation as well as special invitees to Academic Council:

Dr. A. K. Gupta is a Member, National Innovation Council, Chaired by Adviser to Prime Minister, Visiting Professor of Innovation Management in Emerging Markets, European Business School, Berlin, Fellow, National Academy of Agricultural Sciences, Fellow, The World Academy of Art and Science, California.

Honours/distinguished lectures: Doctor of Letters (Honoris Causa) from Central University of Orissa, Koraput, July 29, 2012; Hermes Award received by Honey Bee Network (May 2012), European Institute for Creative Strategies and Innovation, Paris; Priyadarshini Academy Award, 19 Sep 2010; Member, National e-Governance Advisory Group, Ministry of Communication and Information Technology, New Delhi, 2010; Non-official Director, Board of Indian Medicines Pharmaceutical Corporation Limited, Mohan, Dist. Almora, Uttarakhand, 2010, Visitor's Nominee on the Selection Committee, Centre for Technology Alternatives for Rural Areas, IIT, Mumbai; Member of the Expert Group on Innovation for mid-term appraisal of the 11th Five Year Plan [2009]; Invited to be founding member of the LAUNCH - A global initiative to identify and support the innovative work poised to contribute to a sustainable future and accelerate solutions to meet urgent challenges facing our society by NASA; Member, Jury of Asian Innovation Awards by Asian Wall Street Journal/FEER



(2002-2008), Jury to select 12 most promising climate Friendly Innovations in Sweden by Global Focus (2007-08); Jury for Tata Innovations Award (2008); Committee on Credit Flow of Ministry of Micro, Small & Medium Enterprises, Government of India, 2009, Advisory Committee of World Economic Forum on Entrepreneurship Education; Thermax Innovation Council; Technical Advisory Group of Media Lab, Asia; Expert Committee for the schemes STARD, STAWS,YS, TSP and SCSP under the Science and Society Programme of Department of Science & Technology, Government of India; Advisory Committee for Recruitment and Assessment Board, Council of Scientific and Industrial Research, Delhi, Research Council of Advanced Materials and Processes Research Institute (AMPRI), Bhopal; Advisory Board of Innovations, MIT Press; Editorial Advisory Board of International Journal of Sustainable Development, Editorial Board of International Journal of Commons, IASCP, USA; Journal of Rural Development, National Institute of Rural Development, Hyderabad; Advisory Board of the newsletter, Business.2010, published by Secretariat of the Convention on Biological Diversity, Canada; Research Council for National Institute of Science, Technology and Development Studies (NISTADS), New Delhi. Research advisory Committee of Department of Drinking Water Supply Government of India, New Delhi, etc.

2.1.10.B Appointment of Dr. Prabhat Ranjan, Executive Director, TIFAC, New Delhi, as special honorary advisor to the Vice-Chancellor for Growth & Development respectively as well as special invitees to Academic Council:

Dr. Prabhat Ranjan has been working since 25.04.2013 as Executive Director, Technology Information, Forecasting and Assessment Council (TIFAC) which is an autonomous organization set up in 1988 under the Department of Science & Technology, Govt. of India.



Dr Ranjan's schooling was in Netarhat School followed by graduation at IIT Kharagpur and masters from Delhi University. Subsequently he received his PhD degree from University of California, Berkeley based on his research related to nuclear fusion at Lawrence Berkeley Laboratory during 1983-86. He was a recipient of National Science Talent Search award in 1976.

Immediately after his doctorate, he returned to India to participate in the Nuclear Fusion Program of the country which was in a nascent state at that point in time. He continued his research at Saha Institute of Nuclear Physics, Calcutta and Institute for Plasma Research (IPR), Gandhinagar, making a major contribution in this area by bringing tokamaks (experimental nuclear fusion reactors) to international standards of operation. He was project leader of Aditya Tokamak and SST-1 Tokamak Operation and Control Group till 2002.

From 2002 to 2013, he served as Professor at Dhirubhai Ambani Institute of Information and Communication Technology, (DA-IICT), Gandhinagar. During this period he worked on many real life problems including societal issues. In

particular, his work in the development of 'Environment Control System' based on body part movement, voice and brainwaves has helped improved quality of life of many persons with disability. He is passionate about application of embedded systems and sensor network technology to the areas of wildlife research, planetary exploration and healthcare. His work has won him many accolades including HP Innovate 2009 award, NCPEDP-Mphasis Universal Design Award 2012 and Bihar Gaurav Samman 2012.

2.1.10.C Appointment of Shri K. N. Gupta as an advisor to the Vice-Chancellor for Information Technology:

Shri K. N. Gupta, former Executive Director, C-DOT, has been appointed as an advisor to the Vice-Chancellor for Information Technology.

2.1.10.D Appointment of Shri Manas Bihari Verma as an advisor to the Vice-Chancellor for the Academic Centre, Study of Rivers:

Shri Manas Bihari Verma was born in 1943 at Dharbhanga in Bihar. He graduated in BSc (Mechanical Engineering) from Patna University in 1965 and ME (Mechanical Engineering) from Calcutta University in 1969. He started his career at DRDO in 1970. From 1973 to 1986 he held various assignments at DRDO Hqrs, GTRE and CRE (Engines), Koraput. He was deputed to ADA in 1986 to contribute in the LCA programme as Project Director (General Systems). He was promoted to Sc



'G' in 1990, Sc 'H' in 1994 and subsequently as Outstanding Scientist in 2001. He took over as the LCA Programme Director in June 2002. He was the Programme Director (Combat Aircraft) and Director of ADA from September 1, 2003. to August 2005. He was elevated as Distinguished Scientist in November 2004.

He was deeply involved in LCA project definition, evolved the architecture and specification for all Mechanical Systems of the Light Combat Aircraft incorporating latest technologies. This resulted in design, development and flight qualification of about 143 LRUs to meet the stringent Air Worthiness requirements. Indigenous development of LCA Environmental Control System, carbon brake disc, dynamometer and AMAGB were undertaken and realized under his guidance. Under his leadership the requirements of the Full Scale Engineering Development (FSED) – Phase – I activities were achieved with 202 flight test sorties with the three aircraft viz., TD1, TD2 and PV1. Critical technologies like Digital Fly-by-Wire system, glass cockpit, all composite wing, carbon-carbon brake discs and a host of indigenously developed technologies

were demonstrated. He set stringent goals for Integration of Weapons, Integration of Multi Mode Radar and Initial Operational Clearance of Tejas, leading to the Final Operational Clearance and induction. He initiated action for Limited Series Production of Tejas.

Awards: He was the recipient of the Indigenisation of Aeronautical Equipment Award by Aeronautical Society of India in 1998 and Scientist of the Year in 2001. He was awarded Technology Leadership Award by DRDO in 2004

2.1.10.E Appointment of Dr. Amar Kant Jha Amar as the special honorary advisor for Health and Hygiene:

Professor and former Principal of Patna Medical College, Patna, Dr. Amar Kant Jha Amar has been appointed as an advisor to the Vice-Chancellor for Health and Hygiene.

2.1.11 Ph.D. course in Social Sciences:-

In response to memo no. 14/M7-138/2013-384 dated 07.03.2014 of the Special Secretary, Department of Education, Govt. of Bihar, and the University has included Ph.D., Social Science, for the students of A N Sinha Institute of Social Studies, Patna. It is important to mention here that the institute receives fellowship from Indian Council of Social Science Research (ICSSR), New Delhi for 15 students pursuing Ph.D.

Although, AKU is primarily a technical University, however, the authorities of the University, emboldened by the directions of the state Govt., embarked upon a hitherto uncharted area of inclusion of Ph.D. in Social Sciences in the AKU fraternity. Efforts are being made to create a highbred system by integrating the technical and social science subjects since both these fields of study impart knowledge to improve our lives, choices, groups, institutions policies, social processes and society in general.

2.1.12 Syllabus of Ph.D. courses in Health and Medicine, Education, Nanoscience & Nanotechnology, Bachelor in Business Economics, Bachelor in Mass Communication, etc.:-

The University has admitted students at Ph.D. level in Nanotechnology and Nanoscience and would be admitting students at Ph.D. level in Education, Engineering and Medical from 14.10.2014. Different sub-committees constituted by the University authorities have submitted the syllabi of

different courses at Ph.D., Master and Bachelor level. The syllabi of aforementioned new courses have been approved by the Academic Council of the University.

2.1.13 The syllabus of course of the Patna Dental College, Patna:-

The syllabus of Bachelor of Dental Surgery course at the Dental College, Patna, recently affiliated to AKU, Patna by Government of Bihar, as designed by Dental Council of India, New Delhi, has been approved by the University Authorities.

2.1.14 The syllabus of Bachelor of Ayurvedic Medicine and Surgery (B.A.M.S) course of the Government Ayurvedic College, Patna:-

The syllabus of course of the Government Ayurvedic College, Patna, recently affiliated to AKU, Patna by Government of Bihar, as designed by Central Council of Indian Medicine, has been approved by the University Authorities.

2.1.15 An overview of New Courses already started by the AKU:

- i. Ph.D in Social Sciences for students of A. N. Sinha Institute of Social Studies, Patna
- ii. Ph.D. in Education.
- iii. Bachelor of Mass Communication.
- iv. Bachelor of Business Economics.
- v. M.Tech. & Ph.D. in Nanoscience.
- vi. Ph.D. in Health & Medicine
- vii. Ph.D. in Engineering
- viii. Bachelor in Dental Surgery (BDS)
- ix. Bachelor in Ayurveda, Medicine and Surgery (BAMS)

2.1.16 New Academic Regulations:

Regulations regarding the following subjects have been approved by the members of Honorable Executive Council on 09-08-2013 for onward transmission to the Department of Education, (Government of Bihar):-

- i. Regulations for the degree of M.B.B.S.
- ii. Regulations for the degree of Basic B.Sc. Nursing
- iii. Regulations for the degree of Post Basic B.Sc. Nursing
- iv. Amended and Revised regulations for the degree of Bachelor of Technology and Bachelor of Pharmacy Program

- v. Transitory regulations for B.Tech for Old Courses (Semester System of DCE, Darbhanga)
- vi. Transitory regulations for B.Tech/B.Pharm for old courses (Annual System) 2012
- vii. Transitory regulations for B.Pharm old course (Annual System)
- viii. Regulations for the degree of Bachelor of Education (B.Ed.)
- ix. Regulations for the degree of Master of Education (M.Ed.) Credit Based Semester System
- x. Regulations for Diploma in Medical Radiotherapy Technology (DMRT).
- xi. Regulations for the degree of Bachelor in Business Administration (B.B.A.) (Credit Based Semester System)
- xii. Regulations for the degree of Bachelor in Computer Applications (B.C.A.) (Credit Based Semester System)
- xiii. Regulations for the degree of M.Tech and Ph.D. Programmes in Nanoscience and Nanotechnology
- xiv. Regulations for the degree of B.Com. (Professional) (Credit Based Semester System)
- xv. Regulations for the degree of Master of Science in Food Technology
- xvi. Regulations for the degree of Post Graduate medical courses (M.D./M.S./Diploma)
- xvii. Regulations for the degree of Bachelor of Architecture

2.2 THE SOCIAL CONNECTS:

2.2.1 Community Colleges affiliated to AKU, Bihar:-

The idea of establishing Community Colleges was endorsed in the conference of Education Ministers of different state of India held in Delhi on 22nd February 2012. The concurrence of the Central Govt. was received in June 2012. Thereafter the scheme was introduced during the 12th five year plan.

The main objectives of this scheme are:-

- (a) to make higher education relevant to the learner and the community;
- (b) to integrate relevant skills into the higher education system;
- (c) to provide skill based education to students currently pursuing higher education but actually interested in entering the workforce at the earliest opportunity;
- (d) to provide employable and certifiable skills with necessary general education to Senior Secondary School pass-outs not willing to join existing higher education system.

- (e) to provide for up-gradation and certification of traditional/acquired skills of the learners irrespective of their age;
- (f) to provide opportunities for community-based life-long learning by offering courses of general interest to the community for personal development and interest;
- (g) to provide opportunity to move to higher education in future; and
- (h) to offer bridge courses to certificate holders of general/vocational education, so as to bring them at par with appropriate National Vocational Education Qualifications Framework (NVEQF) level.

Though in the west the concept of Community Colleges is well established, however, in India the Community Colleges have been initiated on pilot basis. In the first stage 100 such colleges have been started in India in out of which 15 colleges are in Bihar. As the pilot colleges were started from existing colleges, the fund requirement was limited to provision for additional faculty, development of curriculum, other facilities and day to day consumption expenditure. Thus with limited resources an ambitious programme was launched which was meant to bring renaissance in field of education. The aim was to create a man/woman power who would be self-dependent and an asset to society both socially and financially. In Bihar the following courses were started in 15 pilot colleges:-

Sl. No.	Courses	Name of college
1.	Health Care	Patna Women's College, Patna A. N. College, Patna J. D. Women's College, Patna R. N. College, Sharsha C. M. Science College, Darbhanga Govt. Women's College, Gardanibagh, Patna Rajendra College, Chapra R. D. & D. J. College, Munger Narayan Mahavidyalaya, Siwan
2.	Retail	Patna Women's College, Patna R. K. College, Madhubani A. N. College, Patna L. S. College, Muzaffarpur Gaya College, Gaya M.S. College, Motihari Govt. Women's College, Gardanibagh, Patna Narayan Mahavidyalaya, Siwan
3.	Fashion Technology	J. D. Women's College, Patna
4.	Food Processing	A. N. College, Patna Agriculture College, Sabour R. K. College, Madhubani
5.	Mobile Communication	C. M. Science College, Darbhanga Rajendra College, Chapra

		R. D. & D. J. College, Munger
6.	Theatre & Stage Craft	Purnea College, Purnea
7.	Automobile	L. S. College, Muzaffarpur M. S. College, Motihari
8.	Farm, Machinery & Power	Agriculture College, Sabour

Although aforementioned syllabi had been provided by Government of India, according to the guidelines, some modifications were made as per local requirements of the area where the courses have been taken up. The modified syllabi of aforementioned 8 subjects have been approved by the Academic Council, the Executive Council and the Court of the University.

An international NGO, Wadhwani Foundation had volunteered to assist the University to bring the level of Community Colleges at par with their International counterparts.

MOU WITH WADHWANI FOUNDATION:

A Memorandum of Understanding was signed between the Registrar A.K.U. & Director (SDN) of Wadhwani Foundation, New Delhi, on 27.04.2012 at Aryabhatta Knowledge University for the Technical & Professional support of all the Community Colleges of Bihar affiliated to Aryabhatta Knowledge University, Patna. The main purpose of this Memorandum of Understanding was to develop skills of youth for Industry-Driven Employability through effective training in Community Colleges affiliated to AKU.

Dr Sanjeevan Sinha, M.D., BSEIDC a very committed officer and pioneer in works for the causes of Community Colleges, was Chief Guest of this function.



The Registrar, AKU; The Managing Director, BSEIDC; The Vice-Chancellor, AKU and an Official of the Wadhwani Foundation in the MoU Signing Ceremony

Visit of Representatives of U.S. Embassy, New Delhi to Aryabhatta Knowledge University, Patna

On 17th June, 2014, a visit was made by Mr. Michael Pelletier, Charges D'Affairs, U.S. Embassy, New Delhi and Ms. Helen LaFave, Counsil General, U.S. Consulate, Kolkata at Aryabhatta Knowledge University, Patna. Ms. Erica Diya Basu, Public Communications Chief, U.S. Consulate, Kolkata also accompanied them. The purpose of this visit was to interact with the representatives of Community Colleges in Bihar. They also shared the experience of United States about successfully running the Community Colleges. They elaborated how Community Colleges were filling the gap between the requirements of local industry and technically trained workforce.

All the Principals and coordinators of all 15 community colleges affiliated to AKU were invited to interact with them. Many of them shared their experiences and future necessity of Community Colleges in Bihar.



Representatives of U.S. Embassy with officials

3. ADMINISTRATIVE ACCOMPLISHMENTS

3.1 ANNUAL MAINTENANCE OF BASIC AMENITIES IN AKU HEAD QUARTER AND OTHER WORKS:

It is well known that people strive to work and stay in an organization that provide good and positive work environment which makes the employees feel value. Work environment can affect employees' commitments, motivation and performance which ultimately helps the organization to achieve a competitive edge over its rises. AKU has created an attractive, creative, comfortable, satisfactory and motivated working environment so as to give its employees a sense of pride and purpose in whatever they do. The University has developed a chart to maintain basic amenities to be provided to employees of the University and regular disposal of other works.

The chart mentioned above follows:

Sl. No.	Agenda	Decision	Responsibility	Target Date
1.	Annual Maintenance of basic amenities	<p>Annual Maintenance of basic amenities of AKU, Patna, to be ensured as follows:</p> <p>Pre Summer Check:</p> <ul style="list-style-type: none"> Sufficient supply of cold and treated drinking water to be ensured for employees and visitors. An alternative arrangement of 100 glasses of sealed clean drinking water to be ensured for an emergency. Cleaning and servicing of fans, ACs, Exhausts, Motor-pump & water supply pipes. Cleaning of overhead water tank. Cleaning and checking of glass panes for breakage. Cleaning and checking of curtains for wear and tear. Fumigation in office area to ensure mosquito free zone. Treatment for rodents. Checking of all batteries for sufficient water. <p>Pre Monsoon Check:</p> <ul style="list-style-type: none"> Sufficient supply of treated drinking water to be ensured for employees and visitors. An alternative arrangement of 100 glasses of sealed clean drinking water to be ensured for an emergency. Cleaning of overhead water tank. Easing out of door and windows. Cleaning and washing of carpets. Cleaning of sewerage septic tank. Fumigation in office area to ensure mosquitos' free zone. Checking of all electrical points for proper working condition. No Water logging at main entrance gate to be ensured. Water seepage from roof top to be checked Cleaning of roof top and rain water pipes. Treatment for rodents. Checking of all batteries for sufficient water. <p>Pre winter check:</p>	<p>Assistants of General section under supervision of Section officer of General Section.</p> <p>Assistants of General section under supervision of Section officer of General Section.</p> <p>Assistants of General section under</p>	<p>30.04.2014 (Every year by 1st week of March)</p> <p>15.06.2014 (Every year by 2nd week of June)</p> <p>30.10.2014 (Every year by 4th week of October)</p>

Sl. No.	Agenda	Decision	Responsibility	Target Date
		<ul style="list-style-type: none"> Sufficient supply of treated drinking water to be ensured for employees and visitors. An alternative arrangement of 50 glasses of sealed clean drinking water to be ensured for an emergency. Checking of all heaters and blowers for proper working condition. Checking of all batteries for sufficient water. Fumigation in office area to ensure mosquitoes' free zone. Treatment for rodents. Checking of all UPS for proper functioning. 	<p>supervision of Section officer of General Section.</p> <p>Mr. Sabir Kumar, Section Officer</p>	
2.	Medicines in First Aid Box	List of medicines (Homeopathy, Unani, Ayurvedic and Allopathic) to be prepared for season related common ailments in Winter, Summer and Monsoon season and handed over to the in-charge of First Aid Box (Mrs. Priya Babu) for procurement. An Electronic Blood Pressure checking machine and electronic sugar level checking machine to be procured for First Aid Box.	Inspector of Colleges and PA to V.C.	28.04.2014
3.	Health Check-up and Blood donation camp	A camp for health check-up of all AKU employees and blood donation to be organized thrice a year. Letters regarding this subject to be written to IMA, rotary club, lions club, chamber of commerce, red cross, etc.	Inspector of Colleges	30.04.2014 By second week of March, July, November every year.
4.	Procurement and maintenance of Fire Extinguishers	<ul style="list-style-type: none"> Fire extinguishers for office premises to be procured as follows: <ul style="list-style-type: none"> V.C. Office - 1 V.C. chamber - 1 (small) PVC chamber - 1 (small) F.O. chamber - 1 (small) Room at the entrance - 1 (small) Registrar chamber - 1 (small) Account Section - 1 Exam Section - 1 Corridors - 2 General Section Hall - 2 Evaluation Centre - 2 ACNN - 1 Stairs - 1 Checking and refilling of Fire Extinguishers after installation in AKU premises. 	<p>Finance Officer</p> <p>Section officer of General Section</p>	<p>30.04.2014</p> <p>Regularly after installation</p>
5.	Cleaning of Office Premises	To ensure effective cleaning of office premises and availability of consumables for the said purpose, the area has been divided into twelve parts:	Respective In-Charge for supervision: a. Head of the Centre b. Asstt. Controller of	

Sl. No.	Agenda	Decision	Responsibility	Target Date
		a. ACNN b. Evaluation Centre c. Examination Section d. General Section e. V.C. office f. Pro-V.C. & Finance Section g. Library and Corridor h. Main Entrance and Registrar Office i. Stairs & Basement j. Maintenance of Washroom (W) k. Maintenance of Washroom (M) l. Conference Hall	Exam. c. Controller of Exam. d. Assistant Registrar e. P. A. to V. C. f. Finance Officer g. Assistant Librarian h. Section Officer (R) i. Budget and A/c Officer j. Mrs. Tripti Gupta, Asstt. k. Vimal K. Goswami, Asstt. l. P.A. to V.C.	Daily
6.	Peon deployment	<p>Peons to be deputed, on rotation basis for six months, as follows:</p> a. V.C. Office - two b. Pro-V.C. Office - two c. Registrar Office - two d. IoC Office - one e. F.O. Office - two f. Account Section - one g. CoE Office - three h. Evaluation Centre - three i. General Section - three j. Library, RTI Office - one k. Helper (electrical work) - one l. Service boy - two <ul style="list-style-type: none"> Mrs. Sujata Devi, Cook, to be deployed as female attendant of female officer. The outsource agency to be requested to replace one male sweeper with one female sweeper, who would clean female washroom and the area where more female employees are working. Controller of Examination requested that his section required 4 peons to function properly. He was advised to deploy peons from other area whenever there would be work pressure. He was also asked to find out the possibility of franklin machine to stamp documents. 	<p>Assistant Registrar</p> <p>Assistant Registrar</p> <p>Assistant Registrar</p> <p>Controller of Examination</p>	30.04.2014 (2 nd week of April and 2nd week of October every year)
7.	Earmarking of news related to University	<p>News related to University to be earmarked from following daily newspapers published from Patna:</p> a. Times of India b. Hindustan Times c. The Telegraph d. Hindustan e. Dainik Jagran f. Dainik Bhaskar g. Prabhat Khabar h. Aaj i. i-Next j. Rashtriva Sahara	a. Deputy Registrar b. Assistant Registrar c. Mr. Pramod Kumar, SO d. Mr. Sunil Kumar, SO (P) e. Ms. Bharti Kumari, Asstt. f. Mrs. Indu Bhaskar, Asstt. g. Mr. Ravi Prakash, A.Lib. h. Mr. B.K. Goswami,	Daily

Sl. No.	Agenda	Decision	Responsibility	Target Date
		k. Sanmarg l. Inqalab (Urdu) • News related to any University of Bihar in general and AKU in particular to be scanned and saved in Computer in Vice Chancellor's Office. • A photocopy of the news related to the University to be compiled in Guard File to be kept in the Library. All newspaper to be catalogued and to be kept in the Library.	Asstt. i. Mr. Rajesh Ranjan, Asstt. j. Ms. Dolly Ghosh, Lib. Asst. k. Mr. K. Chaudhary, Asstt. l. Md. Jawed Alam, Asstt. Assistant Librarian and PA to Vice Chancellor Assistant Librarian	
8.	Refrigerator	Double-door Refrigerator to be shifted from Hon'ble V.C. office to General Section for use of all employees of AKU under the supervision of Assistant Registrar.	Assistant Registrar	15.04.2014
9.	Maintenance of IT & Wi-Fi connectivity	All maintenance contracts of computer Systems, IT peripherals (Printers & others), software & Internet etc. to be checked and renewed timely. Connection of Wi-Fi to all computers to be ensured.	Assistant (R) and Mr. Sabir Kumar, SO	As and when required.
10.	Maintenance and Review of Outsourced/ Contractual Staff	Regular review and maintenance of contract of outsourced/contractual employees.	Assistant of HR Cell under the supervision of Assistant Registrar	Regularly
11.	Handbook	Updating of Handbook	Deputy Registrar	As and when required.
12.	Annual Confidential Report	• Format of Annual Confidential Report to be presented for Hon'ble V.C.'s approval. • ACR of all regular employees to be submitted.	Assistant Registrar Assistant of HR Cell All Regular Employees	7 th May, 2014 30 th June, 2014; 4 th week of March every year.
13.	Declaration of Assets	All employees of AKU to submit declaration of their Assets in prescribed format (Bihar Govt.) to HR Cell.	All employees	7 th May, 2014; Second week of Feb. every year.
14.	Service Book, NPS (PRAN No.), GPF, GIS, Annual increment and date of retirement.	Service Book, NPS (PRAN No.), GPF, GIS, Annual increment and date of retirement of all regular employees of AKU to be maintained regularly.	Assistant of Payroll Cell and Pension	As and when required.
15.	Group Medical Insurance	Scope for group medical insurance of AKU employees to be explored. A tender may be placed to select most cost effective company for the said purpose.	Finance Officer	30.05.2014
16.	File Movement	To ensure movement of all files to be completed in 72 hours. All section heads to ensure no pendency of correspondence and to initiate file for timely disposal in matters of urgency.	All officials and Employees of AKU.	Regularly.
17.	Matter pertaining to Financial	Any matter pertaining to financial implications to be dealt with as following-	Finance Officer and Deputy Registrar	As and when required.

Sl. No.	Agenda	Decision	Responsibility	Target Date
	implications	<p>a. A user, needing anything to procure/purchase, to submit his requisition to General Admin. Section with possible/estimated cost details.</p> <p>b. General Admin. Section to forward the same to Finance Section for procurement of goods/ services.</p> <p>c. Finance section to procure goods / services as per Finance rules.</p> <p>d. On receipt of the material, the same to be taken into the stock and thereafter handed over to the User by stock/store keeper.</p> <p>e. User to certify satisfaction of functioning of the material / service and to advise for payment accordingly.</p> <p>f. The payment advise with user certification to be forwarded by General Admin. Section to Finance Section for payment to the concerned party.</p> <p>g. Finance section should explore whether payment to supplier of goods/services could be made online.</p>		
18.	Telephone, Internet and Mobile Bills	The bills of telephone, internet and mobile, with user certification and payment advice from the user, to be forwarded by General Admin. Section to Finance Section for payment on time.	Md. Jawed Alam, Assistant	Within Due Dates
19.	Functions, celebrations, local tours (picnic / entertainment),	Functions and celebrations related to University shall be organized on due date. Local tours (picnic/entertainment)	PA to V.C.	As and when required.
20.	Arranging monthly meeting with celebrities	Monthly meeting with celebrities / achievers / motivators to be organized.	Inspector of Colleges	3 rd week of every month
21.	Diary and Dispatch	<ul style="list-style-type: none"> All letters received/issued, till date, to be properly maintained in their respective registers/files/guard-file by the related section of AKU. All the sections should ensure that there is no delay in responding the received letters and dispatching the issued letters. A separate centralized dispatch cell to be established to receive, to issue & dispatch all letters of the University. All issued letters to be uploaded on AKU website. 	<p>All officials and Employees of AKU.</p> <p>Dr. K. Choudhary, Asstt. In- charge of Dispatch Section and Web Programmer</p>	<p>Regularly</p> <p>20.04.2014</p> <p>Regularly</p>
22.	Digitization of records	Possibility of digitization of all previous records to be looked into.	Md. Javed Alam and P.A. to the V.C.	30.04.2014
23.	Attendance and Leave Record	Attendance and leave record of all employees (regular / contractual / hired through agency) of AKU to be maintained regularly. Possibility of uploading leaves online to be explored by Mr. Javed Alam.	<ul style="list-style-type: none"> Attendance to be checked as per Office Order vide memo no. 009/PVC/015/182/AKU/2013, dt. 11.02.14. 	Regularly

Sl. No.	Agenda	Decision	Responsibility	Target Date
			<ul style="list-style-type: none"> Attendance of outsource staff (hired through agency) to be checked by Asst. Reg. Leave record (all employees) to be maintained by Mr. Javed Alam, Assistant. 	
24.	Movement and maintenance of official vehicles.	Road tax payment, checking for pollution control, servicing of vehicles, changing of upholstery etc. to be done on time. All logbooks need to be regularly maintained by the respective user.	Driver of concerned vehicles under the supervision of Assistant Registrar.	The first report should reach the Registrar by 30.04.2014 and it to be done on quarterly basis.
25.	Garbage disposal	Scope for disposal of garbage (viz bio-degradable and non-degradable) to be explored.	Mr. Sujit Kumar, Assistant.	30/04/2014
26.	Weeding out old records	Scope for weeding out old records to be looked into.	Controller of Examination	30.04.2014
27.	Numbering of purchased goods	All goods procured by AKU to be numbered.	Store keeper (in-charge)	07/05/2014
28.	Lunch and tea club	Possibility of formation of lunch and tea club to be explore.	Controller of Examination, (Chairman), B. & A.O., Section Officer (Exam) and PA to V.C.	30.04.2014
29.	Scope for AKU bus for employees	To find out the possibility of round bus service for bringing employees of AKU to office and to send them back home.	PA to V.C.	30.04.2014
30.	Training	A training calendar for financial and administrative training for employees of AKU to be put up for V.C.'s approval.	Financial training - F.O. Administrative training - D.R.	15.05.2014
31.	Standard draft for letters	Standard drafts of official letters (Hindi & English) to be put up for approval by V.C.	Assistant Registrar	15.05.2014

3.2 CENTRALISED E-DESPATCH:

Earlier different sections of AKU used to have different diary and despatch systems. AKU authorities realized that this was not only creating confusion but was also a waste of time and resources. Therefore, a centralized diary and despatch section was created and e-despatch system was activated. This has

immense usability for the University as it is able to make instant communication and any letter can be traced on e-despatch system.

3.3 PROCUREMENT OF RADIO FREQUENCY IDENTIFICATION (RFID SYSTEM FOR ATTENDANCE, SECURITY AND PROPER SURVEILLANCE:

On the recommendation of the Finance Committee and the Court a contemporary, modular and upgradable (when shifted to the new campus) Radio Frequency Identification is being procured. The tenders have been re-invited due to no offer received in the previous call. The system would ensure un-obstructive, yet effective surveillance and attendance maintaining system. Looking at the security requirements of the proposed in-house examination related activities, it became all the more important to be extremely cautious.

3.4 PUBLICATION OF UNIVERSITY EXAMINATION CALENDAR AND INSPECTION CALENDAR:

The University has published Examination Calendar and Inspection Calendar. This would ensure timely conduction of examination and regularize inspection. All the stake holders have been apprised with the time schedule of examination and inspection through these calendars. Thus all officials and concern institutions are well prepared to meet the deadlines on time. The aims to regularize the academic sessions, to ensure effective uniform teaching standard, to facilitate and compute affiliation on time and to make the workforce productive. See Examination Calendar at annexure – I.

Annual Calendar of Affiliation Cell

Activities	Proposed Dates
Advertisement for Session 15-16	28 th Nov., 2014
Application for New Affiliation, New courses in existing institutions, Extension of Affiliation of existing colleges, increase/decrease in intake.	1 st – 23 rd Dec., 2014
Scrutiny of applications	3 rd – 12 th Jan., 2015
Meeting of ANTPC	15 th Jan., 2015
Formation of Inspection Teams	20 th Jan., 2015
Inspection of colleges	20 th Jan. – 15 th March, 2015
Meeting of ANTPC	20 th March, 2015

Meeting of BOA	25 th March, 2015
Meeting of Court	31 st March, 15
Letter of affiliation/rejection	2 nd – 6 th April, 2015
Date for appeal	9 th – 15 th April, 2015
Meeting of ANTPC	17 th April, 2015
Meeting of BOA	22 nd April, 15
Reply of appeal	25 th April, 15
Surprise visit of IOC - 4 Colleges/ Month	June 2015-Dec, 2015

3.5 FORMATION OF A SUB-COMMITTEE FOR REGULAR EVALUATION OF ADHERENCES TO AFFILIATION RULES BY THE COLLEGES:

According to the current RUSA guideline, a University could affiliate only 100 colleges. At present, 73 colleges had already been affiliated to AKU. However, to maintain quality education and to ensure that affiliated colleges qualify to be graded as Centres for Excellence by UGC, a sub-committee has been constituted by the Academic Council for visiting/inspecting the colleges and guiding them to do the needful for maintaining and upgrading the quality of education. The sub-committee comprised the following:-

- | | | |
|--|---|-------------|
| 1. Dr. Khurshid Alam, PMC, Patna | : | Chairperson |
| 2. Inspector of Colleges, AKU, Patna | : | Member |
| 3. Controller of Examination, AKU, Patna | : | Member |

The above mentioned decision of the Academic Council has been ratified by the Executive Council and approved by the Court.

3.6 OUTSOURCING OF A WEB-PROGRAMMER:

The website of AKU was very insipid since it was maintained by an outside agency. To revamp and modernize the AKU website, one web programmer, Shri Vishal Ratan Kumar, has been outsourced from NIC, Patna. The aim to display, collect, and/or disseminate information over the internet about the University, Administration, Academics, student's activities like courses, examinations, results, new announcements, grievances and grievance redressal, circulars and notices etc are being accomplished with efficiency and élan.

3.7 APPOINTMENT OF O.S.D. (EXAM):

In the light of continuous increase in work load of the examination section, the appointment of an O.S.D. (Exam) was considered necessary. In exercise of power of Vice-Chancellor under section 23(c) Mr. Ramji Singh, had been appointed as O.S.D. (Exam) on 10-5-2014 on temporary basis at a fixed emolument of @18000/= per month for six months. The appointment was ratified by the Executive Council and approved by the Court.

3.8 AUTOMATION AND IN-HOUSE PUBLICATION OF ALL EXAMINATION RELATED MATTERS:

The examination related works of AKU were being performed through outsourcing. The need was felt by the University for complete In-house Computerization of result publication and other examination related works by using "CHANAKYA" software from NIC which has been provided free of cost. The NIC has been paid Rs. 7,68,459.00 (Seven Lacs Sixty Eight thousand Four hundred Fifty nine) only so far. This has approval of the Finance Committee, the Executive Council and the Court. The module has been prepared and successfully tested. It is hoped that the next result shall be published in-house.

3.9 WEEDING OUT OF RECORDS, ESPECIALLY THE OLD ANSWER BOOKS:-

The University has been conducting various examinations since last 4 years. The answer books of these examinations are piling up in the hired University store. The University needed to weed out old records, especially the old answer books of Examinations. Accordingly the University has been permitted by the Academic Council that it may dispose off old answer books after finally conferring degrees to the students, or after 3 years of the date of receipt of the records, whichever is later. However, answer books under R.T.I., Court cases, caught for cheating etc. shall be kept till the final decision would have been taken about such cases. Accordingly, the process of weeding out of old records has been completed. The tender has been invited for disposal of old answer books.

3.10 ACCREDITATION OF NAAC FOR ALL COLLEGES AFFILIATED TO AKU:

The university acknowledged the importance of NAAC accreditation and the UGC guidelines which affected eligibility of Institutions of Higher Education for grants. The University has written letters to all affiliated colleges to prepare & apply for NAAC accreditation. However, AKU as the University would have to wait for at least three years to apply for Accreditation by NAAC since one of the criteria for accreditation is to have teaching facilities on campus for at least three years.

3.11 CONSTITUTION OF INTERNAL COMPLAINT COMMITTEE FOR WOMEN OF AKU:

As per the guidelines of UGC, the Supreme Court and the Sexual Harassment of Women at work place (Prevention, Prohibition and Redressal) Act, 2013 came into force with effect from 9th of December, 2013. Internal Complaint Committee has been established by Aryabhatta Knowledge University, Patna, to provide a healthy and congenial atmosphere to the staff and students of the University. The committee consists of the following members:

- | | | |
|-----|---|--------------------|
| i | Ms. Archana Palkar Khopate, Panel Advocate, AKU | : Chairperson |
| ii | Prof. Kamal Prasad, HoC, ACNN, AKU | : Member |
| iii | Fr. Nishant, Principal, St. Xavier's College of Mgmt, Patna | : Member |
| iv | Prof. Vijaya Bandhopadhyaya, Associate Professor, CIMP | : Member |
| v | Mrs. Priya Babu, P.A./Secretary to VC, AKU | : Member Secretary |

A detailed information and instruction regarding sexual harassment of women at work place has been circulated to all employees of the University. The University is determined to create a gender friendly, democratic and fearless environment to make AKU an institution to be reckoned with.

3.12 CREATION OF EQUAL OPPORTUNITY CELL IN AKU:

The University is committed to the right to equality. To fulfil the same Equal Opportunity Cell has been created consisting the following:

- | | | |
|----|---|----------|
| 1. | Prof. (Dr.) Kamal Prasad, HoC, ACNN | : Member |
| 2. | Dr. Deepankar Shri Gyan, Asst. Registrar, AKU | : Member |
| 3. | Smt. Indu Bhasker, Assistant, AKU | : Member |
| 4. | Md. Jawed Alam, Assistant, AKU | : Member |

3.13 LIMITED ADMINISTRATIVE SAY ON COLLEGES/INSTITUTION AFFILIATED TO AKU:

The University has been facing consistent problems such as use of unfair means in examination, indiscipline in colleges and non-availability of evaluators, especially for medical papers. It was felt that lack of administrative say was not only hampering the academic standard but was also an important reason in delay of publication of result because of non-availability of examiners especially that of the medical fraternity. Accordingly the University had sent letters to the government requesting to grant limited administrative say to the University to enable it to conduct examinations properly and timely publish of results. The Government has taken very positive steps in this regard (See annexure – II).

3.14 UNIVERSITY CANTEEN FOR EMPLOYEES OF THE UNIVERSITY:

The canteen to provide tea and lunch to University employees was initiated in April 2014. The University authority observed that employees used to go out of campus for tea and lunch. This was not only time consuming but also adversely affected the health of employees. Thereafter the Hon'ble Vice-Chancellor created a team of officials who would manage the canteen on the University premise. This canteen has positively contributed to the University by providing more working period and help the employees who got good & healthy food at a very low price on no profit no loss basis.

3.15 QUICK DISPOSAL OF FILES:

Employees of AKU have been directed to ensure quick disposal of files, latest by 72 hours. A file should complete its cycle within the above mentioned period. This has promoted timely completion of all tasks and dissuaded red tapism. A system of automatic electronic monitoring of movement of files is being contemplated to be installed soon.

4. SOCIAL INITIATIVES

4.1 INSE MILIYE PROGRAMME

The University has been arranging monthly meeting with celebrities in programme named "इनसे मिलिए". In this programme, a celebrity is invited to talk about his/her role in shaping the society to inspire employees of AKU. These talks are highly motivating and give a direction to make life useful for the society. Till date many achievers have addressed the AKU fraternity. The list includes Shri Abhyanand, I.P.S., the then D.G.P., Bihar; Shri V. S. Dubey, IAS (Retired), Former Chief Secretary, Bihar and Jharkhand; Shri Manoj Bajpai, Film Actor; Freedom Fighter Mrs. Bharti Choudhary Asha, a former member of Interim Government of



Dr. V. S. Dubey with the Vice-Chancellor and the Registrar



Shri Abhyanand, with the Vice-Chancellor and the Registrar



Shri Manoj Bajpai with the Registrar

Head of the Police, Dr. Rajendra Singh, Water Minister of India etc.



Smt. Bharti Choudhary Asha, with the Vice-Chancellor



Dr. Rajendra Singh with the Vice-Chancellor and others

4.2 BLOOD DONATION CAMP

A Blood Donation Camp was organized by Aryabhatta Knowledge University with the support of Indian Red Cross Society, Patna on 3rd May, 2014. Employees including aged people like Registrar and Vice-Chancellor of AKU enthusiastically donated 31 units of blood in this Camp.

5. FINANCIAL INITIATIVES

5.1 PROCUREMENT OF GOODS THROUGH OPEN TENDER:

On the recommendation of the Finance Committee, the Executive Council and the Court, All goods/services are being procured through open tendering system by putting the notices on the notice board/website/national/state level newspapers as per requirement and expected expenditure. The purchases is being made on annual basis and not in instalments. It would help the University to use its resources in the best possible way. Through this process the University has already procured books for University library at a discount of 30 percent and has bought computer systems at DGS & D rates.

The "Tender Opening Committee" consists of the following members:

- | | |
|---|----------|
| (i) Mr Birendra Kr. Sinha, F.O. | : Member |
| (ii) Dr. Deepankar Shree Gyan, A.R. | : Member |
| (iii) Mr. Ravikant Diwakar, B.A.O. | : Member |
| (iv) Dr. Rakesh Kr. Singh, Asst. Prof. ACNN | : Member |
| (v) Dr. Kumar Balwant Singh, A.C.E.(I) | : Member |

5.2 PROPOSAL OF RAISE IN EXAMINATION FEE OF MEDICAL STUDENTS:

It was noticed by the University that the expenditure on conducting the examination of medical students was running in deficit since long. The deficit was being partly compensated from the cushion of surplus money saved from the fees for other technical examinations. The deficit was expected to increase further because it had been approved that the University would pay remuneration for

preparing the model answers of all examination papers. This decision, though very necessary for ensuring uniformity in evaluation of the answer sheets, would not only deplete the surplus from the other technical Examination fee, but would also increase the deficit for medical courses alarmingly. Therefore, a raise in the examination fee for medical students was considered necessary. The University officials are calculating the deficit amount and the examination fee amount to be raised.

5.3 PURCHASE OF 8 LAPTOPS FOR OFFICERS OF AKU:

On the recommendation of the Finance Committee 8 laptops have been purchased for officers of the university at DGSD rates.

5.4 PURCHASE OF 31 MOBILE PHONE AND REIMBURSEMENT OF BILLS:

Total 31 no. of mobile phone had been purchased. The university was reimbursing monthly mobile bills up to Rs. 500/- for personnel below the rank of Assistant Registrar, Rs. 1,000/- for Assistant Registrar and other officers of the university except for VC, PVC & Registrar. For these three officers no limits were fixed. The Finance Committee had felt that such indiscriminate allotment of mobile phones across the Board was preposterous and was prevalent in no other University. The Finance Committee had, therefore, resolved that a sub-committee, comprising of university officers, be constituted for earmarking the people to be given the mobile (only up to the level of Assistant Registrar) and decide the slab for monthly mobile expenses. The Finance Committee had also resolved that a certificate in each case should be obtained from the user that the claimed amount was for official calls only.

The sub-committee, comprising of the Registrar, the Inspector of Colleges, the Controller of Examinations and the Finance Officer, was constituted. On the recommendation of the sub-committee, the Finance Committee has approved different re-imbursement slabs for mobile/phone bills of officials as mentioned below:-

Sl. No.	Designation	Limit of Bill Amount
1.	The Vice-Chancellor	Unlimited
2.	The Pro Vice-Chancellor	Unlimited
3.	The Financial Advisor	2000.00
4.	The Registrar	2000.00
5.	The Inspector of Colleges	1000.00
6.	The Controller of Examination	1200.00
7.	The Finance Officer	750.00
8.	The Deputy Registrar	750.00
9.	The Assistant Registrar	500.00

10.	The Budget & Account Officer	500.00
11	The Assistant Controller of Exams.	500.00
12	O.S.D. (Examination)	500.00

5.5 REMUNERATION FOR INVIGILATORS, CLASS III & IV EMPLOYEES FOR HOME CENTRE WORK OF ALL AFFILIATED COLLEGES BY AKU. (TO BE ASKED FROM FINANCE SECTION):

The proposal of remuneration for Invigilators, Class III & IV employees for Home Centre Work was recommended by Finance Committee, in its 8th meeting, held on 19.04.2014, since the money was being paid by the university to the employees of other colleges for similar work. The same has been approved by the University administration.

5.6 TA/DA FOR PERSONS OF ALL AFFILIATED COLLEGES BY AKU FOR COLLECTION & DISTRIBUTION OF EXAMINATION FORMS, REGISTRATION FORMS, PRACTICAL EXAMINATIONS, MARK SHEET & ADMIT CARD:

The Finance Committee, in its 8th meeting, held on 19.04.2014, has endorsed the proposal of granting TA/DA for concern persons of all affiliated colleges by AKU. The payment is to be made from local levy. The same is being implemented.

5.7 GROUP HEALTH INSURANCE COVER OF AKU EMPLOYEES.

The University felt the need of Health cover for all employees to help them meet any exigencies related to health issues. The money would be generated from the welfare fund and the contributions from the employees. Expressions of Interest from different agencies have been received through tender notice, published in August 2014. The matter is in an advanced stage of finalization.

5.8 CONCESSION/EXEMPTION/WAIVING OFF LATE EXAMINATION FEE:

The university was facing a peculiar situation when sometimes institutions/ colleges did not deposit the examination fees along with examination forms to the university within the announced date, despite receiving the same from the students on time. This often resulted in imposition of late fine for which students were not at fault. The university authorities have approved a proposal of waiving of late fine in such cases where the students have submitted the form along with fee to

college/institution on or before time. It has also approved to fix the responsibilities in such cases of mistakes.

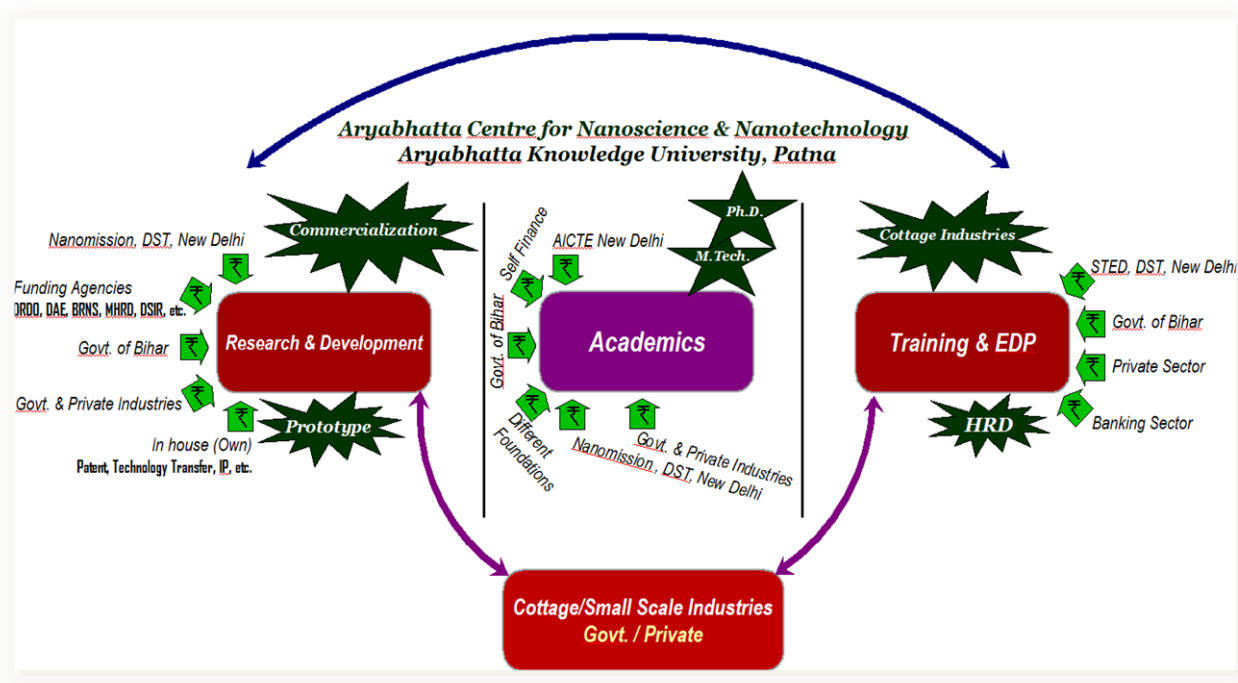
CHAPTER – 4

SCHOOLS AND CENTRES

1. ARYABHATTA CENTRE FOR NANOSCIENCE & NANOTECHNOLOGY (ACNN)

As a consequence of the efforts of our erstwhile visionary Chief Minister, Shri Nitish Kumar and the Vice Chancellor, Prof. (Dr.) S. N. Guha that Aryabhatta Centre for Nanoscience and Nanotechnology came in to existence in 2012. This is the first Centre of the University to carryout teaching and research in Nanoscience & Nanotechnology. Along with this, the centre is working on developing trained manpower through the EDP, thereby generating a series of cottage industries in order to alleviate the problem of unemployment to some extent. ACNN acts as a knowledge hub in the field of Nanoscience and Nanotechnology. The organizational chart illustrates the plan of action along with the support systems and their outcomes. This centre is in the process of procuring sophisticated instruments and support facilities in order to keep pace with the exponential up surge in modern technologies. This centre is proposed to have three wings:

1. Research & Development
2. Academics
3. Training & EDP



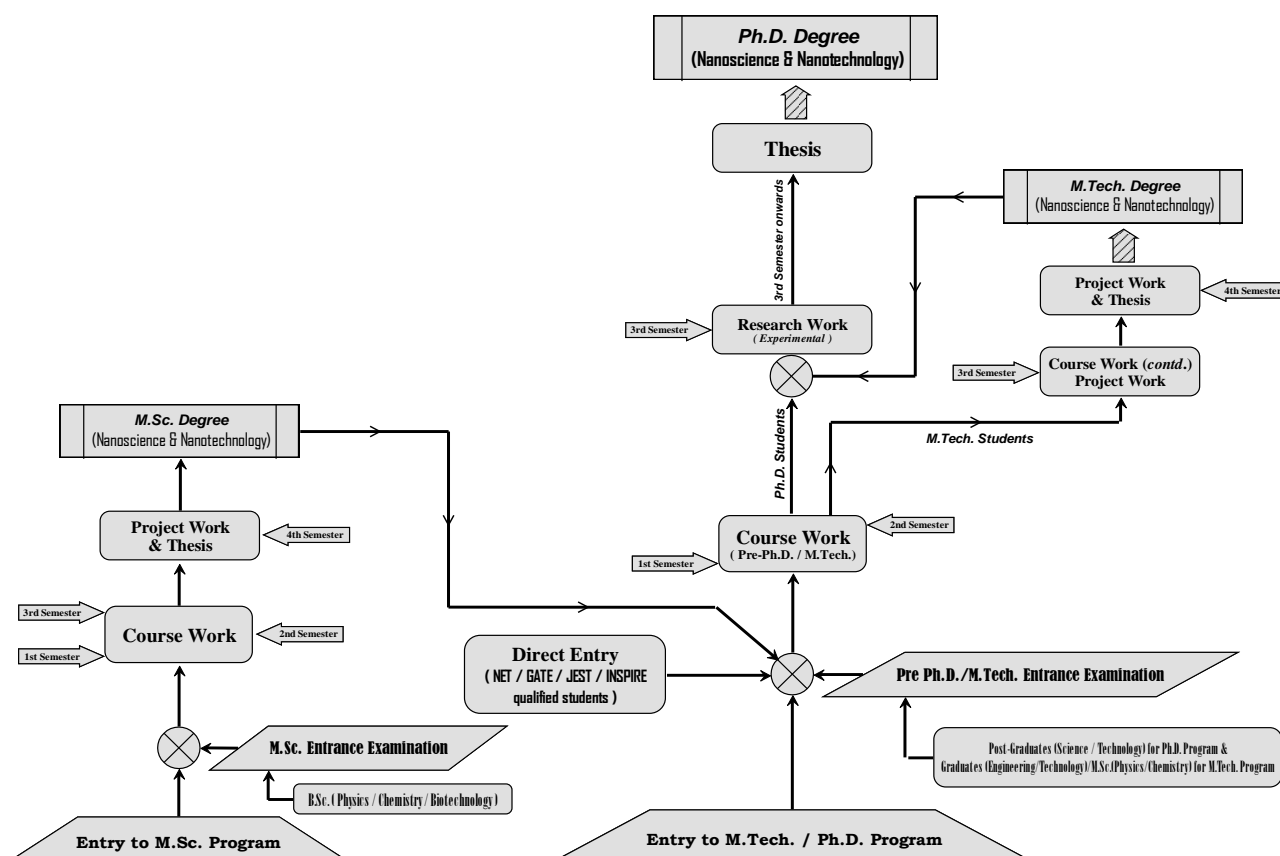
1.1 MISSION STATEMENT

The challenges posed by nanoscience and nanotechnology cannot be answered solely by principles and techniques derived from a single science or a technology discipline.

Instead, it requires the contributions of diverse inter-related fields, but is not limited to, physics, chemistry, mathematics, biology and engineering. Aryabhatta Knowledge University, Patna has initiated two postgraduate (M.Sc. and M.Tech.) courses as well as Ph.D. programme in the area of Nanoscience and Nanotechnology.

1.2 ACADEMIC PROGRAMME

ACNN recognizes that modern scientific research is carried out without any boundaries. The faculty members of ACNN are making efforts to establish research laboratory in inter-disciplinary areas while discharging their teaching and other duties. The primary aim in ACNN from its students is to take up challenging research and teaching assignments in universities, R&D laboratories and various industries wherever they work. ACNN is consciously endeavoring to create an atmosphere of fraternity, cooperation and a sense of social responsibility. A self-explanatory flowchart as shown under illustrates the details of different academic programmes and their implementation. The benefits of these programmes in Nanoscience & Nanotechnology to the university are many-fold:



At present, this centre is offering postgraduate program: M.Tech. and doctoral program: Ph.D. in *Nano Science & Technology*.

Number of students enrolled: M.Tech.(Nano Science & Technology) – 10
Ph.D.(Nano Science & Technology) – 06

Major thrust areas within the subject in which research activities are being actively pursued:

- Nanotechnology (*Experimental*)
- Nanobiotechnology (*Experimental*)
- Electroceramics (Ferroelectrics and piezoelectrics) (*Experimental*)
- Ceramic-Polymer Composites (*Experimental*)

1.3 AIMS & OBJECTIVES

The main aims of the centre are as under:

- To provide high quality postgraduate teaching and research leading to the degree: M.Sc./M.Tech./Ph.D in the field of Nano Science & Technology.
- To work as Central Facility so that other institutions of the state could be benefited out of it.
- Development of eco-friendly nanotechnology based synthetic protocols/products and to generate resources from technology transfer, commercialization of products, knowledge transfer and consultancy services.
- To provide training to unemployed (skilled and unskilled) mass and organize Entrepreneurship Development Programme, Workshops as well as Short-Term Training Programme in Nanotechnology to produce skilled human resource and generate self-employment in the state.
- To establish Intellectual Property Right Cell and Incubation Centre at ACNN.
- To develop new need-based nanotechnology related courses.
- To establish Science & Technology Entrepreneurship Park (STEP) under the auspices of AKU Patna.
- To promote nanotechnology based medium/small/cottage industries.
- Establish global research collaborations with the leading institutions/R&D labs to facilitate and/or promote frontier area research (Carry out Industry-Institute and Institute-Institute interface). Also, to motivate researchers (within the state) to carry out some need-based interdisciplinary researches.
- To develop awareness among children and common citizens of the state towards the potentials and prospects of nanotechnology.

1.4 ACHIEVEMENTS OF THE CENTRE AT NATIONAL / INTERNATIONAL LEVEL

1.4.1 National links / collaborations for promoting teaching and research

- Department of Metallurgical Engineering & Materials Science, Indian Institute of Technology, Mumbai.
- Department of Physics, Indian Institute of Technology, Roorkee.
- Department of Physics, Indian Institute of Technology, Kanpur.
- School of Materials Science & Technology, Indian Institute of Technology, BHU, Varanasi.
- Department of Physics & Meteorology, Indian Institute of Technology, Kharagpur (WB).
- Magnetic Measurement Laboratory, National Physical Laboratory, New Delhi
- Nanotechnology Application Centre, University of Allahabad, Allahabad

- Central Glass & Ceramic Research Institute, Kolkata
- SAIL (R&D), Ranchi
- Department of Physics, Ranchi University, Ranchi
- Department of Physics, Indian Institute of Technology, Patna.
- P.G. Department of Physics, Patna University, Patna
- University Department of Physics, T.M. Bhagalpur University, Bhagalpur
- University Department of Chemistry, Magadh University, Bodh Gaya

1.4.2. Talks/Lecture organized at the Centre

The centre is regularly organizing Lectures of renowned Professors/Scientists from India and abroad on upcoming and future aspects of nanotechnology and allied areas.

1. Dr. Rakesh K. Sinha, Principal Scientist, Planning & Performance Division, CSIR New Delhi (Different funding modes of the CSIR in Nano Science and Technology - 20.04.2013).
2. Mr. Tariq Badar, Controller of Store and Purchases, NPL, New Delhi (Purchase processes of heavy/expensive research instruments and CVC rules - 16.05.2013).
3. Prof. Animesh Jha, Leeds University, UK (Lasers in micro and nanoscale engineered devices for sensing and medicine applications - 19.11.2013).
4. Dr. K. Ogura, Japan (On promises and applications of the scanning electron microscopy - 16.12.2013).

1.4.3. Visitors to the Centre

1. **Prof. Ratnesh Lal**, University of California, San Diego, USA
2. **Prof. Animesh Jha**, Leeds University, UK
3. **Prof. S. Ram**, Materials Science Centre, IIT Kharagpur (WB)
4. **Dr. K. Ogura**, Senior Scientist, JEOL Japan
5. **Dr. Rakesh K. Sinha**, Principal Scientist, CSIR New Delhi
6. **Mr. Tariq Badar**, Controller of Store and Purchases, NPL, New Delhi
7. **Dr. Yusuke Harano**, Director, JEOL Japan
8. **Sri Anjani Kumar Singh**, IAS, Principal Secretary, CM Secretariate, Govt. of Bihar, Patna
9. **Sri Abhyanand**, IPS, DGP Patna
10. **Sri Sanjivan Sinha**, IAS, Special Secretary (HRD) Patna
11. **Dr. J. K. Dutta**, Chairman, The Institution of Engineers (India), Bihar State Centre, Patna
12. **Prof. R. K. Verma**, Pro-Vice Chancellor, Patna University, Patna
13. **Prof. S. N. Choudhary**, T.M.B.U. Bhagalpur
14. **Dr. J. K. Singh**, Director, Mahaveer Cancer Sansthan, Patna
15. **Dr. M. Kar**, IIT Patna
16. **Dr. N. Nischal**, IIT Patna
17. **Prof. G. K. Choudhary**, NIT Patna
18. **Dr. M. P. Singh**, NIT Patna
19. **Dr. A. Narayan**, Patna University, Patna

1.5 BASIC AND ADVANCED FACILITIES AVAILABLE IN THE CENTRE

Following are the infrastructure available/facilities created at ACNN to undertake researches in Nano Science & Technology at the moment:

- Smart Classroom
- Library
- Soft-Chemical Laboratory (Materials synthesis)
- Bio-Chemical Laboratory (Materials synthesis)
- Computational Nanotechnology Laboratory
- Internet facility
- Multimedia projector
- Clean and fully air conditioned workspace
- Structural Characterization Laboratory
- Nano Characterization Laboratories (Electrical, Optical, thermal, etc.)
- Students' Common room
- Faculty Chambers
- Office and Store rooms
- Appraisal area
- Fire safety arrangement
- Stand-by power supply

1.6 FACULTY

1. **Dr. Kamal Prasad**, Ph.D., *Professor & Head*
2. **Dr. Anal K. Jha**, Ph.D., *Assistant Professor*
3. **Dr. Rakesh Kumar Singh**, Ph.D., *Assistant Professor-cum-Prof. Incharge-Establishment*

Dr. Kamal Prasad [Google citations: 1184 (1035 - since 2009); *h-index*: 19 (17); *i10-index*: 34 (29)]

Powder Diffraction File (International Centre for Diffraction Data, USA)

1. Barium Praseodymium Tantalum Oxide: **Ba(Pr_{1/2}Ta_{1/2})O₃**, K. Prasad, Powder Diffraction File - **Release 2013**, ICDD USA.
2. Barium Praseodymium Niobium Oxide: **Ba(Pr_{1/2}Nb_{1/2})O₃**, K. Prasad, Powder Diffraction File, ICDD USA, (2013) in print.
3. Barium Bismuth Tantalum Oxide: **Ba(Bi_{1/2}Ta_{1/2})O₃**, K. Prasad, Powder Diffraction File, ICDD USA, (2014) in print.
4. Barium Yttrium Niobium Oxide: **Ba(Y_{1/2}Nb_{1/2})O₃**, Powder Diffraction File, ICDD USA, (2014) accepted.

Research Publications (*Journals*)

- 1 Dielectric relaxation in Ba(Y_{1/2}Nb_{1/2})O₃-BaTiO₃ ceramics, **K. Prasad**, Priyanka, K. AmarNath, K.P. Chandra and A.R. Kulkarni, *Journal of Materials Science: Materials in Electronics*, (2014) Online First. DOI: [10.1007/s10854-014-2244-0](https://doi.org/10.1007/s10854-014-2244-0). ISSN: 1573-4803

- 2 The Structural, electrical and magnetic properties of perovskite $(1-x)\text{Ba}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3-x\text{BaTiO}_3$ ceramics, S. Bhagat, K. AmarNath, K.P. Chandra, R.K. Singh, A.R. Kulkarni and **K. Prasad**, *Advanced Materials Letters*, **5**(3) (2014) 117-121. DOI: [10.5185/amlett.2013.fdm.28](https://doi.org/10.5185/amlett.2013.fdm.28). ISSN: 0976-3961
- 3 Green synthesis and characterization of $(\text{Ag}_{1/2}\text{Al}_{1/2})\text{TiO}_3$ nanoceramic, Sandeep Kumar, Anal K. Jha and **K. Prasad**, *Materials Science – Poland*, (2014) in press. ISSN: 2083-1331
- 4 Green synthesis of silver nanoparticles and its activity on SiHa cervical cancer cell line, Anal K. Jha and **K. Prasad**, *Advanced Materials Letters*, **5**(9) (2014) 501-505. DOI: [10.5185/amlett.2014.4563](https://doi.org/10.5185/amlett.2014.4563). ISSN: 0976-3961
- 5 Green synthesis and characterization of $\text{BaFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$ nanoparticles, Anal K. Jha and **K. Prasad**, *Journal of the Chinese Advanced Materials Society*, (2014) in press. DOI: [10.1080/22243682.2014.941931](https://doi.org/10.1080/22243682.2014.941931).
- 6 Synthesis of silver nanoparticles employing fish processing discard: An eco-amenable approach, Anal K. Jha and **K. Prasad**, *Journal of the Chinese Advanced Materials Society*, (2014) in press. DOI: [10.1080/22243682.2014.930796](https://doi.org/10.1080/22243682.2014.930796).
- 7 Synthesis of $(\text{Ag}_{0.5}\text{Fe}_{0.5})\text{TiO}_3$ nanocrystalline powders using stearic acid gel method, S. Kumar, L.K. Sahay, Anal K. Jha and **K. Prasad**, *Advanced Materials Letters*, **5**(2) (2014) 67-70. DOI: [10.5185/amlett.2013.fdm.06](https://doi.org/10.5185/amlett.2013.fdm.06). ISSN: 0976-3961
- 8 Effective Complex Permittivity and AC Conductivity of $(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.94}\text{Ba}_{0.06}\text{TiO}_3$ -PVDF 0-3 Composite, Ansu K. Roy, K. AmarNath, **K. Prasad** and A. Prasad, *Advanced Materials Letters*, **5**(2) (2014) 100-105. DOI: [10.5185/amlett.2013.fdm.77](https://doi.org/10.5185/amlett.2013.fdm.77). ISSN: 0976-3961
- 9 Synthesis and characterization of nanocrystalline $\text{Al}_{0.5}\text{Ag}_{0.5}\text{TiO}_3$ powder, S. Kumar, L.K. Sahay, Anal K. Jha and **K. Prasad**, *Advances in Nano Research*, **1**(4) (2013) 211-218. DOI: [10.12989/anr.2013.1.4.211](https://doi.org/10.12989/anr.2013.1.4.211). ISSN: 2287-237X
- 10 Rose (*Rosa sp.*) petals assisted green synthesis of gold nanoparticles, Anal K. Jha and **K. Prasad**, *Journal of Bionanoscience*, **7**(3) (2013) 245-250. DOI: [10.1166/jbns.2013.1139](https://doi.org/10.1166/jbns.2013.1139). ISSN: 1557-7910
- 11 Can animals too negotiate nano transformations?, Anal K. Jha and **K. Prasad**, *Advances in Nano Research*, **1**(1) (2013) 35-42. DOI: [10.12989/anr.2013.1.1.035](https://doi.org/10.12989/anr.2013.1.1.035). ISSN: 2287-237X
- 12 Electrical Properties of $0.25\text{Ba}(\text{Bi}_{1/2}\text{Ta}_{1/2})\text{O}_3-0.75\text{BaTiO}_3$, J. Kumar, S.N. Choudhary, **K. Prasad** and R.N.P. Choudhary, *Advanced Materials Letters*, **5**(2) (2014) 106-110. DOI: [10.5185/amlett.2013.fdm.81](https://doi.org/10.5185/amlett.2013.fdm.81). ISSN: 0976-3961
- 13 Electrical Properties of a Lead-Free Perovskite Ceramic: $\text{Ba}(\text{Gd}_{1/2}\text{Nb}_{1/2})\text{O}_3$, K. Amar Nath, K.P. Chandra, A.R. Kulkarni, **K. Prasad**, *Advances in Ceramic Science and Engineering*, **3**(1) (2014) 11-17. DOI: [10.14355/acse.2014.0301.02](https://doi.org/10.14355/acse.2014.0301.02).

- 14 Structural, FTIR and ac conductivity studies of NaMeO_3 ($\text{Me} \equiv \text{Nb, Ta}$) ceramics, Sumit K. Roy, S.N. Singh, K. Kumar and **K. Prasad**, *Advances in Materials Research*, 2(3) (2013) 173-180. DOI: [10.12989/amr.2013.2.3.173](https://doi.org/10.12989/amr.2013.2.3.173). ISSN: 2234-0912
- 15 Impedance and ac conductivity studies of $\text{Ba}(\text{Pr}_{1/2}\text{Nb}_{1/2})\text{O}_3$ ceramic, K. Amar Nath, **K. Prasad**, K.P. Chandra and A.R. Kulkarni, *Bulletin of Materials Science*, 36(4) (2013) 591-599. ISSN: 0250-4707
- 16 Piezoelectric, impedance, electric modulus and ac conductivity studies on $(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.95}\text{Ba}_{0.05}\text{TiO}_3$ ceramic, A.K. Roy, **K. Prasad** and A. Prasad, *Processing and Applications of Ceramics*, 7(2) (2013) 81-91. DOI: [10.2298/PAC1302081R](https://doi.org/10.2298/PAC1302081R). ISSN: 1820-6131
- 17 Structural and electrical properties of lead free ceramic: $\text{Ba}(\text{Nd}_{1/2}\text{Nb}_{1/2})\text{O}_3$, K. AmarNath, **K. Prasad**, K.P. Chandra, A.R. Kulkarni, *Advances in Materials Research*, 2(2) (2013) 119-131. ISSN: 2234-0912
- 18 Electrical properties of $(\text{Na}_{0.5}\text{Bi}_{0.5})(\text{Zr}_{0.75}\text{Ti}_{0.25})\text{O}_3$ ceramic, Lily, K.L. Yadav and **K. Prasad**, *Advances in Materials Research*, 2(1) (2013) 1-13. ISSN: 2234-0912
- 19 Impedance spectroscopy and electrical conductivity studies on $(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.92}\text{Ba}_{0.08}\text{TiO}_3$ ceramic, A.K. Roy, A. Singh, K. Kumari, A. Prasad and **K. Prasad**, *Physics Express*, 3 (2013) 14. ISSN: 2231-0002
- 20 Electrical conduction in $(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.94}\text{Ba}_{0.06}\text{TiO}_3$ -PVDF 0-3 composites by impedance spectroscopy, A.K. Roy, A. Singh, K. Kumari, **K. Prasad**, A. Prasad, *IOSR-Journal of Applied Physics*, 3(5) (2013) 47-58. e-ISSN: 2278-4861
- 21 Electrical conduction in $(\text{Na}_{0.5}\text{Bi}_{0.5})_{1-x}\text{Ba}_x\text{TiO}_3$ ($0 \leq x \leq 1$) ceramic by complex impedance/modulus spectroscopy, A. Prasad, A.K. Roy and **K. Prasad**, *ISRN Ceramics*, Volume 2013 (2013), Article ID 369670, 12 pages. DOI: [10.1155/2013/369670](https://doi.org/10.1155/2013/369670). ISSN: 2090-7494

Research Publications (in Conference proceedings)

- 1 Rietveld refinement of perovskite $\text{Ba}(\text{Re}_{1/2}\text{Nb}_{1/2})\text{O}_3$; $\text{Re} \square \text{Pr, Nd, Sm, Gd and Dy}$ ceramics, K.P. Chandra, K. AmarNath, A.R. Kulkarni and **K. Prasad**, *AIP Conference Proceedings*, 1536 (2013) 1001-1002. DOI: [10.1063/1.4810570](https://doi.org/10.1063/1.4810570). ISSN: 1551-7616.

Invited Presentations/Conference/Seminar

1. Delivered three lectures in *UGC Sponsored Refresher Course in Experimental Physics* at ASC, Ranchi University, Ranchi (Jharkhand) on 21st and 22nd July, 2014.
2. Presented a paper in *International Conference on Functional Materials-2014* at Indian Institute of Technology, Kharagpur (WB) from Feb. 05 – 07, 2014.

3. Delivered an invited talk in National Seminar on *Emerging Trends in Condensed Matter Physics-2013* at University Department of Physics, T.M.B.U., Bhagalpur during Jan. 17-18, 2014.
4. Participated in “DST-Lockheed Martin India Innovation Growth Programme 2013 Technology Expo” organized by FICCI at Patna on 8th Jan. 2014.
5. Participated in “Launching of the website ‘SAHYOG BIHAR’ and followed by discussion meeting” organized by Department of Planning, Govt. of Bihar at Patna on 8th Jan. 2014.
6. Participated in “DST-Lockheed Martin India Innovation Growth Programme 2013 Technology Expo” organized by FICCI at Patna on 5th Dec. 2013.
7. Participated in Discussion meeting on “The Millennium Alliance” organized by FICCI & USAID at Patna on 23rd Oct. 2013.
8. Participated in National Seminar on Unleashing Innovations during Sept. 20-21, 2013 at Patliputra Ashok, Patna.

Other Professional Activities

K. Prasad is acting as Editorial Board Member of the following journals:

- **Colloids & Surfaces B: Biointerfaces** (Elsevier)
- **Journal of Biosensors & Bioelectronics** (OMICS Group)
- **Clinical Reviews and Opinions** (Academic Journals)
- **World Research Journal of Materials Science and Engineering** (Bioinfo Publications)
- **Explore** (A Journal of Research for Undergraduate and Postgraduate Students)

K. Prasad is acting as Reviewer (Peer) of different International Science Foundations:

- ★ **Czech Science Foundation**, Department of Physical Sciences, Czech Republic
- ★ **Latvian Council of Science**, Riga, LV-1050, Latvia

K. Prasad is acting as Reviewer (Peer) of different International / National Journals:

- **ACS:** *Langmuir*; *Industrial & Engineering Chemistry Research*; *The Collection of Czechoslovak Chemical Communications*.
- **ACeS:** *Journal of the American Ceramic Society*.
- **AIP:** *Journal of Applied Physics*.
- **Bentham Press:** *Current Biotechnology*.
- **Elsevier:** *Journal of Non-Crystalline Solids*; *Journal of Alloys & Compounds*; *Colloids & Surfaces B: Biointerfaces*; *Journal of Physics & Chemistry of Solids*; *Materials Chemistry & Physics*; *Materials Science & Engineering B*; *Materials Research Bulletin*; *Sensors and Actuators B*; *Journal of Hazardous Materials*; *Solid State Sciences*; *Materials Letters*; *Journal of the Taiwan Institute of Chemical Engineers*; *Scientia Iranica*; *Spectrochimica Acta A*; *Acta Biomaterialia*; *Applied Clay Science*; *Journal of Taibah University for Science*; *Journal of Environmental Chemical Engineering*.
- **Hindawi:** *Journal of Nanoparticles*; *Journal of Biomedicine and Biotechnology*.
- **IEEE:** *Transactions on Nanotechnology*.
- **Maney:** *Advances in Applied Ceramics*.
- **SCIRP Journal:** *Advances in Nanoparticles*.

- **Springer:** *Applied Physics A*; *Journal of Materials Science*; *Journal of Nanoparticle Research*; *Journal of Polymer Research*; *Journal of Materials Science: Material In Electronics*; *Folia Microbiologica*; *World Journal of Microbiology and Biotechnology*; *Journal of Industrial Microbiology & Biotechnology*; *International Journal of Industrial Chemistry*; *Indian Journal of Physics*; *International Nano Letters*.
- **Techno Press:** *Advances in Nano Research*.
- **VBRI Press:** *Advanced Materials Letter*.
- **Wiley:** *Biotechnology Progress*; *Small*.
- **Wiley-VCH:** *Biotechnology Journal*.
- **Worldscientific:** *International Journal of Modern Physics B*; *Journal of Advanced Dielectrics*.
- **CSIR Publn.:** *Indian Journal Engineering & Materials Science*; *Indian Journal of Pure & Applied Physics*.

K. Prasad is Member of different Professional Societies

1. Full member of *American Nano Society (ANS)*, USA (by invitation)
2. Life member of *International Centre for Theoretical Physics*, Italy: *India Chapter (IC-ICTP)* New Delhi
3. Life member of *Indian Association for the Cultivation of Sciences (IACS)*, Jadavpur, Kolkata
4. Life member of *Materials Research Society of India (MRSI)*, Bangalore
5. Life member of *Indian Physics Association (IPA)*, Bombay
6. Full member of *Nanopaprika.eu - International Nanoscience Community*

Ms. Smriti Kumari a B.Tech. student of Sikkim Manipal University, WB completed project titled “*Development of a Software to Estimate Energy Spacing in Metallic Nanoparticles*” under the supervision of **Dr. K. Prasad**.

Dr. Anal K. Jha [Google citations: 604 (582 - since 2009); h-index: 12 (11); i10-index: 15 (15)]

Research Publications (Journals)

- 1 Green synthesis of silver nanoparticles and its activity on SiHa cervical cancer cell line, **Anal K. Jha** and K. Prasad, *Advanced Materials Letters*, 5(9) (2014) 501-505.
DOI: [10.5185/amlett.2014.4563](https://doi.org/10.5185/amlett.2014.4563).
- 2 Synthesis of silver nanoparticles employing fish processing discard: An eco-amenable approach, **Anal K. Jha** and K. Prasad, *Journal of the Chinese Advanced Materials Society*, (2014) in press.
DOI: [10.1080/22243682.2014.930796](https://doi.org/10.1080/22243682.2014.930796).
- 3 Green synthesis and characterization of (Ag_{1/2}Al_{1/2})TiO₃ nanoceramic, Sandeep Kumar, **Anal K. Jha** and K. Prasad, *Materials Science – Poland*, (2014) in press.
ISSN: 2083-1331
- 4 Green synthesis and characterization of BaFe_{0.5}Nb_{0.5}O₃ nanoparticles, **Anal K. Jha** and K. Prasad, *Journal of the Chinese Advanced Materials Society*, (2014) in press.
DOI: [10.1080/22243682.2014.941931](https://doi.org/10.1080/22243682.2014.941931).
- 5 Synthesis of (Ag_{0.5}Fe_{0.5})TiO₃ nanocrystalline powders using stearic acid gel method, S. Kumar, L.K. Sahay, **Anal K. Jha** and K. Prasad, *Advanced Materials Letters*, 5(2) (2014) 67-70.
DOI: [10.5185/amlett.2013.fdm.06](https://doi.org/10.5185/amlett.2013.fdm.06). ISSN: 0976-3961
- 6 Synthesis and characterization of nanocrystalline Al_{0.5}Ag_{0.5}TiO₃ powder, S. Kumar, L.K. Sahay, **Anal K. Jha** and K. Prasad, *Advances in Nano Research*, 1(4) (2013) 211-218.
DOI: [10.12989/anr.2013.1.4.211](https://doi.org/10.12989/anr.2013.1.4.211). ISSN: 2287-237X
- 7 Rose (*Rosa sp.*) petals assisted green synthesis of gold nanoparticles, **Anal K. Jha** and K. Prasad, *Journal of Bionanosciences*, 7(3) (2013) 245-250.
DOI: [10.1166/jbns.2013.1139](https://doi.org/10.1166/jbns.2013.1139). ISSN: 1557-7910
- 8 Can animals too negotiate nano transformations?, **Anal K. Jha** and K. Prasad, *Advances in Nano Research*, 1(1) (2013) 35-42.
DOI: [10.12989/anr.2013.1.1.035](https://doi.org/10.12989/anr.2013.1.1.035). ISSN: 2287-237X

Invited Presentations/Conference/Seminar

1. Presented a paper in *International Conference on Functional Materials-2014* at Indian Institute of Technology, Kharagpur (WB) from Feb. 05 – 07, 2014.
2. Delivered a talk in National Seminar on *Emerging Trends in Condensed Matter Physics-2013* at University Department of Physics, T.M.B.U., Bhagalpur during Jan. 17-18, 2014.
3. Participated in “Launching of the website ‘SAHYOG BIHAR’ and followed by discussion meeting” organized by Department of Planning and Development, Govt. of Bihar, Patna on 8th Jan. 2014.
4. Participated in “Demonstration cum awareness programme on 3D printing” organized by State Innovation Council, Department of Planning and Development, Govt. of Bihar on 5th May 2014 at BIT Patna.
5. Participated in “Launching of the website ‘SAHYOG BIHAR’ and followed by discussion meeting” organized by Department of Planning, Govt. of Bihar, Patna on 8th Jan. 2014.
6. Participated in “DST-Lockheed Martin India Innovation Growth Programme 2013 Technology Expo” organized by FICCI at Patna on 5th Dec. 2013.
7. Participated in Discussion meeting on “The Millennium Alliance” organized by FICCI & USAID at Patna on 23rd Oct. 2013.
8. Delivered an Invited talk in National Seminar on Unleashing Innovations during Sept. 20-21, 2013 at Patliputra Ashok, Patna.

Other Professional Activities

Anal K. Jha is acting as Reviewer (Peer) of different International Journals:

- ★ *Applied and Environmental Microbiology* (American Society of Microbiology, USA)
- ★ *Journal of Inorganic and Organometallic Polymers and Material* (Springer)
- ★ *Current Nanoscience* (Bentham Press, USA)
- ★ *Colloids and Surfaces B: Biointerfaces; Journal of Hydrogen Energy* (Elsevier)
- ★ *BioMed Research International* (Hindwai, USA)

Anal K. Jha is Member of different Professional Societies

1. Fellow of Cambridge Commonwealth Society (FCCS), UK
2. Full member of *American Nano Society (ANS)*, USA (by invitation)

Dr. Rakesh Kumar Singh [Citations: 76, Academic Performance Indicator- 500-Consolidated)]

Research Publications (*Journals*)

- 1 Study of Structural and Optoelectronic Properties of ZnO Codoped with Ca and Mg, , M.K. Mishra, A. Narayan, **Rakesh Kumar Singh**, Manoranjan Kar, *Indian Journal of Materials Science*, Vol. 2013, Article ID: 405147, (2014) p. 1-6. DOI: <http://dx.doi.org/10.1155/2013/405147>.
- 2 Effect of quenching on Ba-hexaferrite nanoparticles and study their, Structural, thermal and Magnetic studies, **Rakesh Kumar Singh**, R.K. Verma, *J. Ther. Anal. Cal.*, Springer (2014) *in press*.

- 3 Sm Iron Garnet nanoparticles, synthesis and high magnetization obtained through Citrate Precursor method, **Rakesh Kumar Singh**, A. Narayan, R.K. Verma and K. Prasad, *J. Ther. Anal. Cal.*, Springer (2014) in press.
- 4 Modification of Photoconductivity and PL spectrum of ZnO nanoparticles through co-doping with Sr and Cd, M.K. Mishra, A. Narayan, **Rakesh Kumar Singh**, R.S. Yadav, M. Kar, A.C. Pandey, *Photon-Int. J. Mater. Science*, **107** (2013) 160-167.
- 5 Study of structural and optoelectronic properties of ZnO codoped with Ca and Mg, M.K. Mishra, A. Narayan, **Rakesh Kumar Singh**, R.S. Yadav, N.K. Nidhi, A.C. Pandey, *Indian Journal of Material Science*, Article ID-405147 (2013) 1-6. DOI: [10.1155/3168](https://doi.org/10.1155/3168). ISSN: **2314-7490**
- 6 Synthesis, Structural and Magnetic properties of $\text{Ni}_{0.8}\text{M}_{0.2}\text{Fe}_2\text{O}_4$ (M = Co, Cu) nanoparticles synthesized by Citrate Precursor Method, **Rakesh Kumar Singh**, Rakshan Noor, Vijeta Mishra, Priya Tiwari, *Explore*, **IV** (2013), in press. ISSN: **2278-0297**
- 7 Synthesis and effect of annealing temperature on structural and magnetic properties of $\text{Ni}_{0.75}\text{Zn}_{0.25}\text{Fe}_2\text{O}_4$ and $\text{Ni}_{0.25}\text{Zn}_{0.75}\text{Fe}_2\text{O}_4$ Nanopowder, annealed at temperature 550°C, 650°C and 700°C, **Rakesh Kumar Singh**, Tarbia Jamil, Rashmi Kumari and Priya Kumari, *IRIS – Journal for Young Scientists*, **3** (2013), accepted. ISSN: **2278-618X**
- 8 Synthesis and Study of effect of size of divalent metal on structural and Magnetic Properties of MFe_2O_4 (M=Mg, Ni, Cu and Ca) Ferrite Nanomaterials, Synthesized by Citrate approach and annealed at 450°C, Richa Sinha, Sushmita Kumari, Priya Tiwari, **Rakesh Kumar Singh**, *IRIS – Journal for Young Scientists*, (2013) in press. ISSN: **2278-618X**
- 9 Study the effect of Annealing temperature on Structural & Magnetic properties of LiFe_5O_8 (Lithium Ferrite) Nanomaterials and Synthesized by Citrate Precursor Method, Vijeta Mishra, Rakshan Noor, **Rakesh Kumar Singh**, *IRIS – Journal for Young Scientists*, (2013) in press. ISSN: **2278-618X**
- 10 Rakesh Kr Singh and Amarendra Narayan, Structural, Magnetic and Dielectric behavior of $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_{1.99}\text{R}_{0.01}\text{O}_4$; R=Gd, Pr and Sm, synthesized using Citrate precursor method, annealed at 450C, *IJETR*, **2**(8) (2014) 125-130.

Research Publications (Conference Proceedings)

- 1 Study of structural, optical and photoconductive properties of Sr and Mg codoped ZnO nanoparticles prepared by co-precipitation method, M. K. Mishra A. Narayan, **Rakesh Kumar Singh**, R.S. Yadav, N.K. Nidhi, Manoranjan Kar, A.C. Pandey, *Nanoscience & Nanotechnology Proceedings*, University of Lucknow (2013).
- 2 Synthesis of NiFe_2O_4 and MgFe_2O_4 nanoparticles through citrate precursor method, annealed at 650C and study their structural & magnetic properties, Proceeding of National conference, **Rakesh kr Singh**, A.Yadav, VVIT, ISBN: 978-81-925776-9-2, (2014) 72-74.

Research Project

Study of composition and annealing temperature effect on structural, electrical and magnetic properties of some rare earth ions substituted Ferrite Nanoparticles. Sponsored by UGC New Delhi, submitted in March 2014.

Invited Presentations/Conference/Seminar

1. Talk delivered as a **Resource Person** in a one day Research Exposure camp on Nanotechnology under CPE-UGC scheme on 9th jan 2014 at M.M.College, Patna University

2. Lecture delivered as a **Resource Person** in Innovation in Science Pursuit for Inspired Research (INSPIRE) of DST, Govt. of India Programme, at J. D. College J. P. University Chapra on 30th October 2013
3. Lecture delivered as a **Resource Person** in Innovation in Science Pursuit for Inspired Research (INSPIRE) of DST, Govt. of India Programme at A. N. College Patna on 28th Sep 2013
4. **Paper presented** in National Conference of Focal theme "Quality Education and Excellence in the field of Engineering and Research" at V V T Purnea, on the topic-Synthesis of NiFe_2O_4 and MgFe_2O_4 nanoparticles through citrate precursor method, annealed at 650C and study their structural & Magnetic properties, proceeding of National conference,, Date-14th March 2014
5. Delivered a Talk as a **Resource Person** in a orientation course for Physics teachers at IIT Patna on the topic "innovative Method of teaching Physics through low cost/no cost experiments and Converging technologies of 21st Century", Organized by-Dept. Of Physics, IIT Patna and CSIR-Delhi, Date-5th July 2013.
6. Delivered a lecture on "Creating interest in Physics learning through low cost/no cost experiments" at Dept. of Education, Patna Women's College, Patna University on 9th August 2013.
7. Participated in Refresher course entitled "Update of intellectual Property Rights", DST, Govt. of U.P on 17th Dec 2013 at Lucknow and in the training cum orientation workshop on development of communication skills, computer Application and Stress busting proficiency, on 12th Jan 2014, organized by- Aryabhatta Knowledge University, Patna and Institute of Engineers (India).
8. National seminar on "Unpleasing Innovation" on 20-21 Sep 2013, organized by Bihar State Innovation Council, Dept. of Planning & Development, Govt. of Bihar
9. NME-ICT Awareness Workshop on 17th Jan 2014 organized by Patna Women's College, Patna University and NIT Patna, MHRD, Govt. Of India
10. Seminar on Full bright Fellowship of USA for Indian citizen academicians on 4th March 2014, organized by- European Union knowledge exchange programme, of A. N. College Patna
11. National workshop for **Senior Resource person of Utsahi Physics Teachers** (utsahiphysicsteachers.com)- **a group evolved through IIT Kanpur** initiative project on "Innovation in Physics" coordinated by Prof. H.C.Verma, at Lucknow, organized by- Siksha-Sopan IIT Kanpur, Date: 7-9 June 2014
12. National workshop on "Environment protection through appropriate technology and management" at A. N. college patna, Organized by: NEERI-CSIR and A. N. college, Patna, Date- Oct 12-13, 2013

Other Professional Activities

Dr. Rakesh Kumar Singh is Member of different Professional Societies

1. Member of *Indian Association of Physics Teachers (IAPT)*
2. Member of *Indian Science Congress (ISC)*
3. Member of *Indian Chemical Society (ICS)*
4. Member of *Magnetic Society of India (MSI)*, Hyderabad
5. Society for Scientific Values, New Delhi;

6. The Art of Living Foundation, India
7. Utsahi Physics Teacher Group, IIT Kanpur; and Anvesika-IAPT

Dr. Rakesh Kumar Singh acted as Member of Board of Governance of Ambedkar Institute of higher education, Patna. He is also acting as Editorial Board Member of the following journals:

- *Explore* (A Journal of Research for Undergraduate and Postgraduate Students)
- *IRIS* (Journal for Young Scientists)

Dr. Rakesh Kumar Singh was a member of following Seminars/ Conferences

S.No	Name	Date and Venue	Responsible for
1	National seminar on " Trends in Technological Development for Military Applications" VITM, Buxar,	18-19 jan 2014	Organizing Committee Member
2.	5 th Global Bihar Science Conference-2013	16-18 Nov 2013 A.M.College Patna Magadh University	Organizing Committee Member
3.	National Graduate Physics Examination-2014 of Indian Association of physics Teachers(IAPT)	19 th January 2014	Jt. Coordinator
4.	21 st National Children Science Congress: A Programme of Govt. of India on Focal theme " Energy: Explore, Harness and Conserve"	6 th Dec 2013 State council of educational research and training, Dept. of Education, Govt. of Bihar, Patna	Valued guidance as a member of Evaluation committee member for the selection of national team (Bihar state awardee)
5.	Science fair on " Indian Science and Scientists-Ancient and Modern" for College and University levels Organized by- National Anvesika Network of India-IAPT	5 th October 2013 Science College Patna University	Joint. Programme Coordinator
6.	National Level Experimental test at School level to M.Sc/M.Tech level	17 th Sep 2013, Kanpur	Co-ordinator

1.7 M.TECH. & PH.D. STUDENTS (SESSION: 2013-'15)

Ph.D. (Nano Science & Technology) students:



M.Tech. (Nano Science & Technology) students:



1.8 DIFFERENT COMMITTEES OF THE CENTRE

1. Academic Regulation Committee for M.Tech. & Ph.D. Program

- | | |
|---|------------|
| a) Prof. Kamal Prasad, Head, ACNN | - Chairman |
| b) Prof.(Dr. G. K. Choudhary, Elect. Engg., NIIT, Patna | - Member |
| c) Dr. N. K. Nischal, Department of Physics, IIT, Patna | - Member |
| d) Dr. Anal Kant Jha, Assistant Professor, ACNN | - Member |
| e) Dr. Rakesh Kumar Singh, Assistant Professor, ACNN | - Member |
| f) Dr.(Smt.) Kumari Anjana, D.R.(Acad.) AKU | - Member |

2. Technical Committee

- | | |
|--|------------|
| a) Prof. Kamal Prasad, Head, ACNN | - Chairman |
| b) Dr. M. Kar, Department of Physics, IIT, Patna | - Member |

- c) Dr. A. Narayan, Department of Physics, Patna University, Patna- Member
- d) Dr. A.K. Verrma, VITM, Buxar - Member
- e) Dr. Anal Kant Jha, Assistant Professor, ACNN - Member
- f) Dr. Rakesh Kumar Singh, Assistant Professor, ACNN - Member

3. Anti-Ragging Committee

Students' Representative (Ph.D.)

1. Mrs. Mugdha Rao, Research Scholar, ACNN, AKU, Patna
2. Mrs. Babita, Research Scholar, ACNN, AKU, Patna
3. Mr. Abhay Kumar Aman, Research Scholar, ACNN, AKU, Patna

Students' Representative (M.Tech)

1. Mr. Pushpesh Sagar, M.Tech. Student, ACNN, AKU, Patna
2. Mr. Shahnawaz Hassan, M.Tech. Student, ACNN, AKU, Patna

Teachers' Representative

1. Dr. Anal Kant Jha, Assistant Professor, ACNN, AKU, Patna
2. Dr. Rakesh Kumar Singh, Assistant Professor, ACNN, AKU, Patna

4. Local Purchase Committee

- a) Dr. Rakesh Kumar Singh, P.I.(E), ACNN - Chairman
- b) Dr. Prabhas Kumar, ACE-II, AKU, Patna - Member
- c) Sri Ravi Kant Diwakar, B.A.O., AKU, Patna - Member
- d) Sri Kumar Yashupal, C.C.T., ACNN - Member

1.9 FEW PHOTOGRAPHS OF THE CENTRE



Aryabhatta Centre for Nanoscience & Nanotechnology



Appraisal area



Conference Hall



Faculty chamber



Nanomaterials Characterization area



Dr, Rakesh Kumar Singh, delivering a lecture



Bio-synthesis laboratory



Soft-chemical laboratory



e-library area



Simulation laboratory



Students in Classroom



Library area



Smart Classroom

1.10 MEMOIRES OF A FEW PAST EVENTS



Sri Nitish Kumar, C.M. Bihar initiative of Nanotechnology Centre at AKU Patna



Prof. R. Lal, University of California, San Diego, USA delivered a lecture on 04.02.2013



Dr. R. K. Sinha, Principal Scientist, Planning & Performance Division, CSIR New Delhi delivered a lecture on 20.04.2013





Prof. Animesh Jha, Leeds University, UK delivered a lecture on 19.11.2013



Dr. K. Ogura, Japan delivered a lecture on 16.12.2013



Dr. Yusuke Harano, Director, JEOL Japan



Prof. S. Ram, IIT Kharagpur

Visited ACNN, AKU Patna



Sri Abhyanand, DGP Bihar, Visited ACNN



Group Photograph of Students with Faculty members

CHAPTER – 5

TRAINING

Training is a very important and integral component of institutions. Performance of staffs/employees provides a focal point of all development activities of an organization. Performance can only be assessed if there is some point of reference against which it can be measured. Training is an important tool to solve problems and improve performance.

Training cell of AKU is working hard to inculcate work culture and performance driven work force. The University is determined to motivate the employees, create a conducive working environment and enhance the skill, knowledge, attitude and competency of all employees. Accordingly the University has so far organized the following training programmes:-

1. ONE DAY ORIENTATION WORKSHOP PROGRAMME ON 12.01.2014:-

Aryabhatta Knowledge University has arranged the first one day training cum orientation workshop, on development of communication skills, computer applications and stress busting proficiency. The workshop was arranged with active support and help of Institution of Engineers (India), Bihar chapter on **12th January, 2014** at Aryabhatta Knowledge University, Patna.

This programme was attended by the following:-

Sl. No.	Name of the Person	Designation
1.	Sri Anjani Kumar Singh, IAS	Principal Secretary, C. M. Secretariat, Bihar
2.	Prof. (Dr.) S.N. Guha	Vice Chancellor, AKU, Patna
3.	Dr. Uday Kant Misra	Pro. Vice-Chancellor, Patna
4.	Sri J. K. Dutta	Chairman, IEI, Bihar
5.	Prof. (Dr.) N.K. Singh	Registrar, AKU, Patna
6.	Prof. (Dr.) Kamal Prasad	HOC, ACNN, AKU, Patna



Shri Anjani Kr. Sinha, IAS, Prof. S. N. Guha, and Shri J. K. Dutta



Dr. Uday Kant Misra, Vice-Chancellor, AKU, training the employees on Managing Stress and Developing Creativity

List of Trainees:-

Sl. No.	Name of Institution	Officials/Employees	Numbers
01	Bihar State Building Construction Corporation Limited, Patna	CGM, GM, DGM and Project Manager	12
02	St. Xavier's College of Education, Patna	Professor & Assistant Professor	06
03	Vidya Daan Institute of Technology, Buxar	Professor & Assistant Professor	06
04	Aryabhatta Knowledge University, Patna	Teaching & Non-Teaching Staff and Officers	30

List of Trainers:-

Sl. No.	Topic of Training Programme	Name of Trainers
01	Developing Communication Skills.	Prof. Shilpee A. Dasgupta
02	MBTI Test	Prof. Swati Dhir
03	Computer Training	Shri Deepak Kumar
04	Managing Stress and developing creativity in teaching	Shri Subhash Chandra

Major Objectives of the Programme:-

- i. **Developing Communication Skills:-** It was intended to imbibe the process of breaking the barrier between the teachers and the students, among the employees of the University and among officials who attended the programme. Power of positive attitude, non-violent communication, emotional intelligence and assertive communication were deliberated over in this session.
- ii. **MBTI Test:-** It was a psychological test which was used as a tool to decipher the basic inclination of the participants and to assess one's innate strengths. Myers Briggs Type Indicator (MBTI) has been considered as one of the most popular and respected personality type tools in the world. The tool has helped people to understand the reasons that cause differences at home and in the workplace. It has helped to build relationships and teams.

Some of the benefits of MBTI were enumerated thus:-

- Avoid and resolve conflicts
- Play to an individual's strengths
- Identify gaps in the team
- Discover how a team style works best with customers
- Enable self-understanding and so reduce stress
- Learn to relax
- Aid career development
- Assist communication strategies

- Provide managers with the understanding to give effective feedback
 - Inform personal development plan
 - Work together more effectively
 - Relate to each other with greater understanding
 - Encourage true psychological diversity
 - Support people through life transitions
 - Inform your own and others decision making
 - Develop thinking skills
 - Develop emotional intelligence
 - Identify and develop strengths and weaknesses
 - Develop leaders, managers, teams and HR expertise
 - Encourage team members to understand and appreciate different strengths
 - Improve and change culture.
- iii. **Computer Training:-** Computer training was designed to inculcate skills for making power point presentations, data analysis through excel sheets, internet surfing and e-learning.
- iv. **Managing Stress and developing creativity:-** This session was planned to deal with simple stress busting techniques to manage stress for creative and productive work.

2. WORKSHOP ON STRESS MANAGEMENT ON 15.06.2014:-

Aryabhatta Knowledge University arranged another workshop on Stress Management Programme on 15th June, 2014 at Aryabhatta Knowledge University, Patna on request from Bihar State Building Construction Corporation Limited, Patna.

The workshop was attended by the following:-

Name of Trainer	Name of Institutions & Designation of Participates	No of Participants
Dr. Uday Kant Misra Vice-Chancellor, AKU, Patna	Bihar State Building Construction Corporation Limited, Patna, GM, AGM, IT Manager & Engineers.	28
	AKU, Patna, Teaching Staff & Officers	06

In modern world stress has become part of life. Our stress is triggered when we are faced with overwhelming demands. The demands can be big or small, but it's the importance we attach to them that decides their impact. Prolonged exposure to stress can have an impact on physical, emotional and mental health. Some of us feel stressed out and may visit a doctor for help. Most of the time stress can grow slowly and go unnoticed or ignored for years. Lack of time, information and motivation can cause it to build up until something breaks under the pressure.

With this in mind, one of the most important skills we can ever learn is the right way to manage stress. Once we make use of the skills, moods become more stable, thoughts become clearer, relationships improve, and the risk of illness diminishes.

It requires a commitment to yourself to take the necessary time and effort to learn new stress management skills. But we should all aim to develop at least one strategy to turn to when we feel our stress levels rising.

Through this training, participants were reminded that relaxation and peace of mind were not reserved only for those with pots of money and masses of free time. These could be theirs, too, with a little knowledge and understanding. The trainees were taught about many effective on-the-spot techniques they could use in the middle of an intensely stressful situation. They could practice deep breathing to provide extra oxygen for both physical and emotional well-being, or take a break to remove themselves from the situation. If necessary, they could invent an excuse to spend a few moments by themselves. Thus they would be able to think more clearly and get in touch with their feelings. This could enable them to decide what to do to lift the pressure.

The following points were deliberated upon in the training programme:-

- Try to build stress-reducing activities into your life, such as exercise, relaxation and hobbies.
- Eat well and ensure you have sufficient rest and sleep to prepare yourself for the inevitable stresses of life.
- Avoid making self-critical comments.
- Become aware of your own strengths, weaknesses and needs.
- Make it a priority to get plenty of support rather than trying to cope alone.
- Write down your thoughts so that they begin to make sense. Decide on priorities and look for solutions.
- Think creatively – what might another person do in your situation?
- Delegate, share responsibility, and renegotiate deadlines. Often those around you won't realize how overloaded you're feeling.
- Prepare for events as much as possible in advance, but don't try to be perfect, or expect other people and events to be perfect.
- Always seek expert advice when you experience severe physical and emotional symptoms of stress.

The training facility was in-house under the VC and the fee collected for this training was donated to Employees' Welfare Fund of AKU.

Based upon the experience and encouraging feedback, the University has already created a training cell and intends to develop full-fledged training centre for the teachers of technical institutions of AKU by engaging the best possible resource persons.

3. IN HOUSE TRAINING PROGRAMMES OF ARYABHATTA KNOWLEDGE UNIVERSITY, PATNA:

The Vice-Chancellor of Aryabhatta Knowledge University, realizing limitations of financial resources, introduced in-house training programmes. Under this programmes the senior most officials/knowledgeable officials, employed or associated with the University, have been requested to impart training to AKU employees. On the one hand this training programme was designed to cost the minimum, on the other hand it was meant to train the newly recruited employees in official work and to bring the best out of them. Running a course in-house can bring numerous benefits for both i.e. the employees and the institution as enumerated below:-

- i. **Cost-efficient:** if you need to train a group of employees, in-house training can often save you money as compared with external training courses.
- ii. **Customized content:** with in-house training you can work through your own case studies and address specific training and administrative needs.
- iii. **Convenience:** running a course in-house means that you can choose a time, location and pace to suit you and your colleagues, saving you both time and money.
- iv. **Specially selected trainer:** you can choose the trainer most suited to your training needs, so that you get the most out of the course.
- v. **Consistent quality:** employees may prefer learning with their colleagues, and training all of your staff together also means that you can be sure of the consistency of their learning and development.

The schedule of the in-house training is given below:

Sl. No.	Topic of Training Programmes	Dates	Venue	Time	Dur.	Name of Trainers
01.	Computer Applications in the office with English as the Medium	13.08.14	Conference Hall of AKU	03:00 to 05:00 PM	01 day	Prof. S. N. Sinha, Former V. C. J. P. University, Chapra
02.	Computer Application	14.08.14	Conference Hall of AKU	03:00 to 05:00 PM	01 day	Mr. Vishal Ratan Kumar, Web Programmer, AKU Patna
03.	Work in Examination Section.	01 to 03.09. 14	Conference Hall of AKU	03:00 to 05:00 PM	03 days	Dr. Akhileswar Prasad, Ex-O.S.D. (Exam) AKU Patna
		04 & 05.09.14	Conference Hall of AKU	03:00 to 05:00 PM	02 days	Er. Rajeev Ranjan, CoE AKU. Patna
04.	Conduct & Discipline, Right to Information (RTI)	12 & 13.09.14	Conference Hall of AKU	03:00 to 05:00 PM	02 days	Dr. Deepankar Shree Gyan, Assistant Registrar, AKU Patna
05.	General Financial Rules, Pay & Allowances, Medium Term Budgetary Frame	08 to 11.10.14	Conference Hall of AKU	03:00 to 05:00 PM	04 days	Shri P.M. Sahay, Financial Advisor, J.P. University Chapra

06.	General Administration	13 to 15.10.14	Conference Hall of AKU	03:00 to 05:00 PM	03 days	Prof. S. N. Sinha, Former V. C. J. P. University, Chapra
07.	Motivational workshop	10 & 11.11.14	Conference Hall of AKU	03:00 to 05:00 PM	02 days	Shri V.S. Dubey, Retd. I.A.S.
08.	Inventory Management	10 to 12.12.14	Conference Hall of AKU	03:00 to 05:00 PM	03 days	Shri P.M. Sahay, Financial Advisor, J. P. University, Chapra
09.	Training of Teachers	15 to 19.12.14	Conference Hall of AKU	03:00 to 05:00 PM	05 days	Prof. S. N. Sinha, Former V. C. J. P. University, Chapra

4. ESTABLISHMENT OF A SCHOOL FOR TRAINING OF TEACHERS:

The University has felt the need for training of teachers to promote student-centric and positive approach towards teaching by using modern teaching tools. The objective would be to familiarize the teachers with extensive use of computers and IT tools besides the online courses, freely available on net, for teaching. Also, a need was felt to take teaching to the door steps of the students through internet. A proposal has been sent to the government for establishment of School of Education, Training & Research.

5. EXTERNAL TRAINING ARRANGED FOR EMPLOYEES OF THE UNIVERSITY:-

5.A Two Day Residential Training Programme on "THE SEXUAL HARASSMENT OF WOMEN AT WORKPLACE (PREVENTION, PROHIBITION AND REDRESSAL) ACT, 2013".

Aryabhatta Knowledge University, Patna, had sent Dr. Rakesh Kumar Singh to participate in the Two Day Residential Training Programme on "THE SEXUAL HARASSMENT OF WOMEN AT WORKPLACE (PREVENTION, PROHIBITION AND REDRESSAL) ACT, 2013" from Sep. 15th and 16th, 2014 at Bangalore.

5.B Three Day Residential Training Programme on Domestic Inquiry, Disciplinary Action and Discipline

Aryabhatta Knowledge University, Patna, had sent Dr. Dipankar Shree Gyan to participate in the Three Day Residential Training Programme on Domestic Inquiry, Disciplinary Action and Discipline from Sep. 22 to 24, 2014 at Goa.

It is expected that exposure to a national level training programme would expand the vision and ameliorate the working capacity of the aforementioned employees in particular and eventually other employees in general.

CHAPTER – 6**RECRUITMENT & APPOINTMENTS****1. STATUTORY OFFICER**

Sl.No.	Name	Post	Qualification	Date of Joining
1	Dr. Uday Kant Misra	Pro V.C.	Ph.D.	11.06.2013
2	Prof. (Dr.) N. K. Singh	Registrar	Ph.D.	20.07.2012
3	Sri Birendra Kumar Sinha	F.O.	MBA	24.01.2011

2. TEACHING FACULTY

Sl.No.	Name	Post	Qualification	Date of Joining
1	Prof. (Dr.) Kamal Prashad	Prof. ACNN	Ph.D.	01.10.2013
2	Dr. Anal Kant Jha	Asst. Prof. ACNN	Ph.D.	31.08.2013
3	Dr. Rakesh Kumar Singh	Asst. Prof. ACNN	Ph.D.	02.09.2013

3. ADMINISTRATIVE/NON-TEACHING STAFF

Sl.No.	Name	Post	Qualification	Date of Joining
1	Prof. (Dr.) Ajay Pratap	Inspector of Colleges	Ph.D.	07.12.2013
2	Er. Rajeev Ranjan	COE	M.Tech.	22.10.2013
3	Dr. (Smt.) Kumari Anjana	Dy.Registrar	Ph.D.	19.10.2013
4	Dr. Deepankar Shree Gyan	Assistant Registrar	Ph.D.	09.10.2013
5	Sri Ravi Kant Diwakar	Budget & A.O.	MBA, Ph.D (p)	18.12.2013
6	Dr. Prabhash Kumar	Assistant Controller	Ph.D.	28.10.2013
7	Smt. Priya Babu	P.A.to V.C.	B.A., P.G.D.C.A.	30.08.2013
8	Sri Sabir Kumar	Section Officer	B.Com	30.08.2013
9	Sri Sunil Kumar - I	Section Officer	MCA	03.09.2013
10	Sri Sunil Kumar-II	Section Officer	Graduate	05.09.2013
11	Sri Pramod Kumar	Section Officer	MBA PGDCA	16.09.2013
12	Md. Eqbal Ahsan	Section Officer	M.Com. BLIS	18.10.2013
13	Sri Sanjeev Kumar	Section Officer	B.Com.	01.10.2013
14	Sri Razi Ahmad	Assistant	B.Sc. IT	30.08.2013
15	Sri Sujit Kumar	Assistant	M.Com. Dip. In IT	30.08.2013
16	Smt. Tripti Gupta	Assistant	MBA	31.08.2013
17	Sri Rajesh Ranjan	Assistant	M.A.	31.08.2013
18	Miss Bharati Kumari	Assistant	B.A.	31.08.2013
19	Sri Bimal kumar Goswami	Assistant	B.Sc. (Hons.) PGDCA	03.09.2013
20	Sri Pawan Kumar Mandal	Assistant	B.Com.	03.09.2013
21	Dr. Krishna Choudhary	Assistant	Ph.D.	16.09.2013
22	Md. Jawed Alam	Assistant	M.A. (Urdu)	04.10.2013

Sl.No.	Name	Post	Qualification	Date of Joining
23	Sri Sunil Kumar-III	Assistant	M.A. (RD)	08.10.2013
24	Smt Indu Bhaskar	Assistant	B.A. (Hons.) DCA	28.10.2013
25	Sri Vijay Kumar	Assistant	M.A.	02.01.2014
26	Dr. Ravi Prakash	Asstt. Librarian	Ph.D.	02.09.2013
27	Sri Abhijeet Kumar Sriwastawa	Computer Operator	MCA	30.08.2013
28	Sri Kanhaiya Kumar	Computer Operator	M.Sc.	02.09.2013
29	Sri Dilip Kumar Singh	Computer Operator	MCA	02.09.2013
30	Md. Daud Quraishi	Computer Operator	M.A. (Urdu)	03.09.2013
31	Sri Kumar Vijay	Store Keeper	B.Com.(Hons.) LLB	11.09.2013
32	Sri Ramji Kumar	Acctt.Asstt	B.Com.(Hons.)	11.09.2013
33	Sri Kumar Yashupal	Clerk cum typist	B.C.A.	11.09.2013
34	Smt. Dolly Ghosh	Library Assistant	MLIS	12.03.2014
35	Sri Dilip Kumar Choudhary	Peon	Matric	01.03.2014

4. CONTRACTUAL STAFF

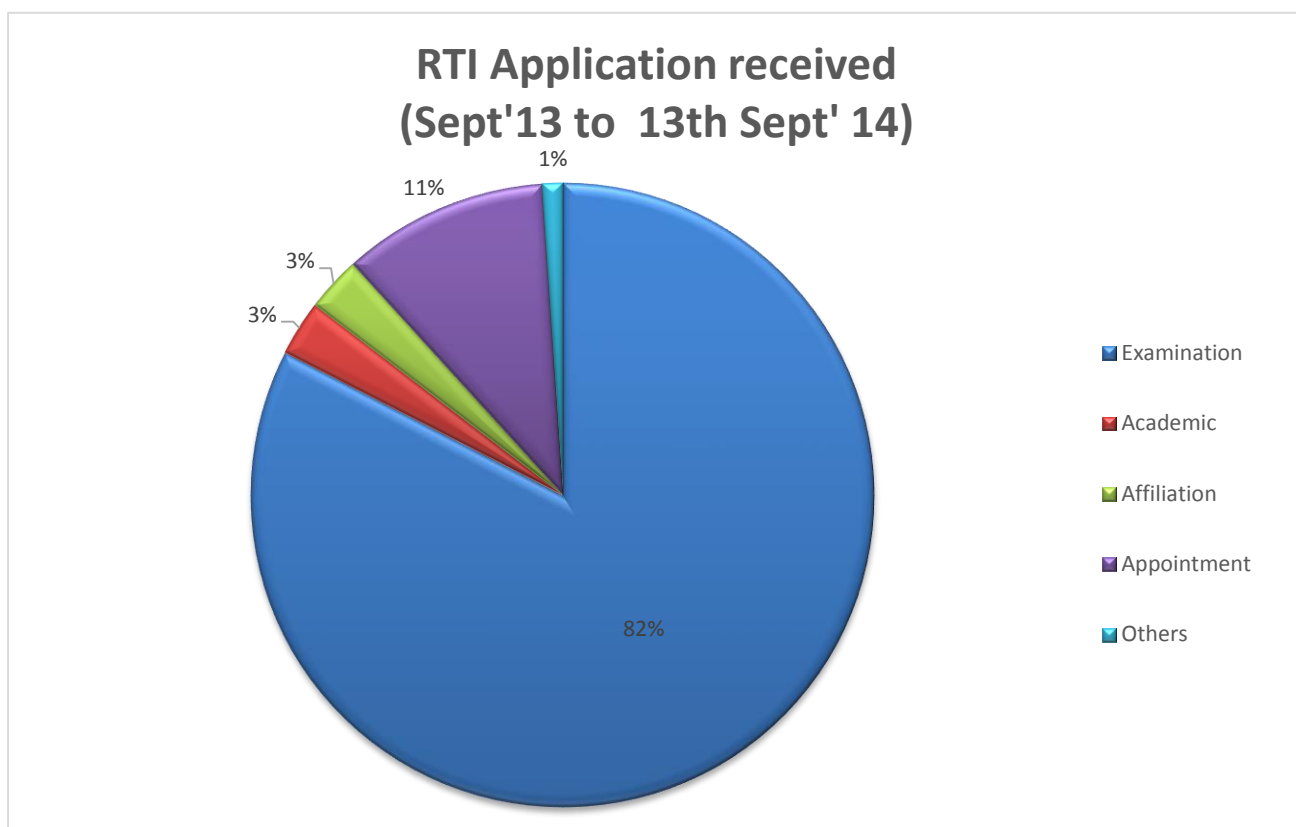
Sl.No	Name	Post	Qualification	Date of Joining
1	Dr. Khurshid Alam	On deputation		
2	Dr. Santosh Kumar	Assitt. Exam	M.Sc. (Phys.) Ph.D.	01.09.2012
3	Sri Indrajeet Guharay,	Assitt.	B.Com. (Hons)	12.09.2012
4	Sri Yugal Kishore Upadhyae	Assitt.	Pre. Science	17.10.2013
5	Smt Sanyukta Kumari	Accounts Assistant	B.A. (Hons.) BLIS	05.02.2013
6	Sri Navin Kumar	M.T.S. cum Computer Operator	B.A. (Hons.) DCA	05.02.2013
7	Sri Navneet Kumar	M.T.S. cum Computer Operator	M.A. (Eng.) BLIS DCA with Tally	06.02.2013
8	Sri Gyanchandra Lal Verma	M.T.S. cum Computer Operator	M.A. (History) BLIS DCA with Tally	09.02.2013
9	Sri Saurabh Kumar,	Technical Asstt.	MCA	01.07.2013
10	Sri Ravi Ranjan Kumar	M.T.S. cum Computer Operator	B.Com.	01.07.2013
11	Sri Santosh Kumar	M.T. cum Computer Operator	B.Sc. (IT Hons.)	01.07.2013
12	Sri Anup Kumar Sur	Assistant	B.Com.	02.01.2013
13	Sri Rampravesh Singh	Accounts Assistant	B.A.	02.01.2013
14	Sri Abhishek Kumar	M.T.S. cum Computer Operator	B.A. (Hons.) DCA	07.02.2013

CHAPTER - 7

RIGHT TO INFORMATION AND COURT CASES

RTI Cell:

The University, conscious of its responsibility and obligations, has created an active RTI Cell to act in full spirit of the RTI act. Efforts have been made to ensure transparency by providing timely information to applicants. Moreover, if need be, the applicants are also enlightened about the right ways to get their rights to information. In the last one year the cell received 384 applications out of which 380 have been disposed off satisfactorily. The rest 4 applications are under process. The subjects of applications seeking informations have been displayed through the diagram below:



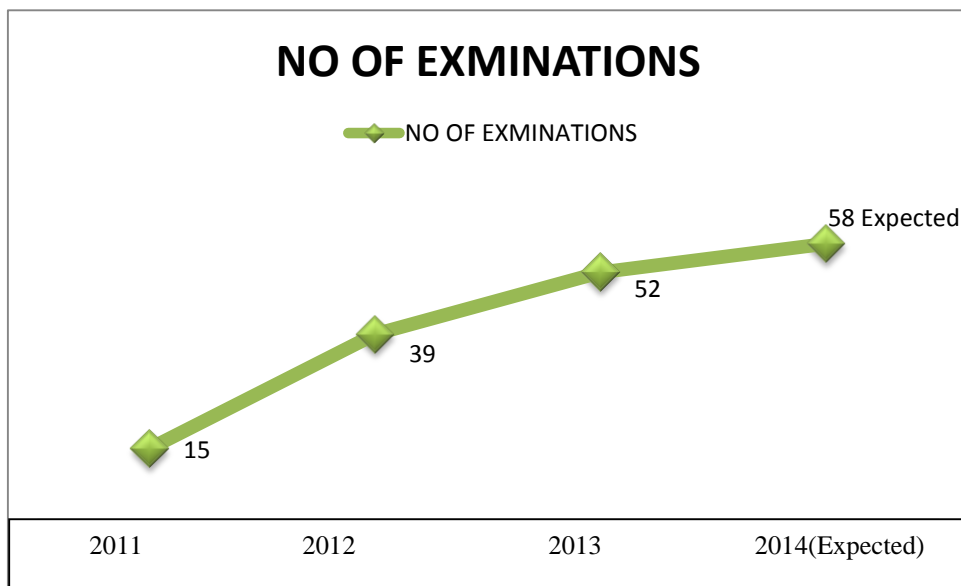
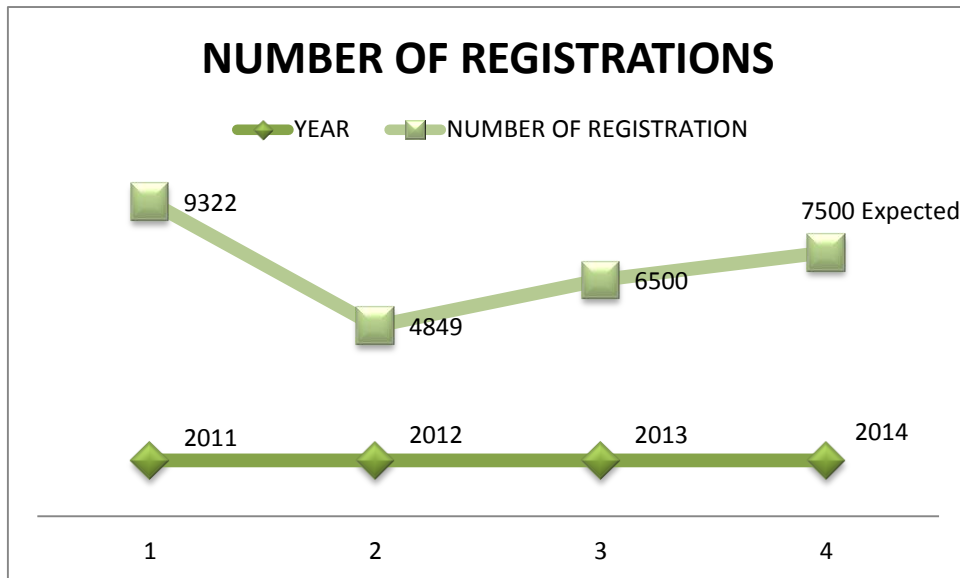
Court Cases:

The University has so far got 41 CWJCs. The cases are monitored regularly and affidavits are filed on time. Till date 26 cases out of 41 have been disposed off in favour of the University. Rest 14 cases are pending with the Hon'ble Patna High Court and one case with the Hon'ble Delhi High Court. The University has ensured equidistribution of cases among empanelled lawyers for regular and effective monitoring.

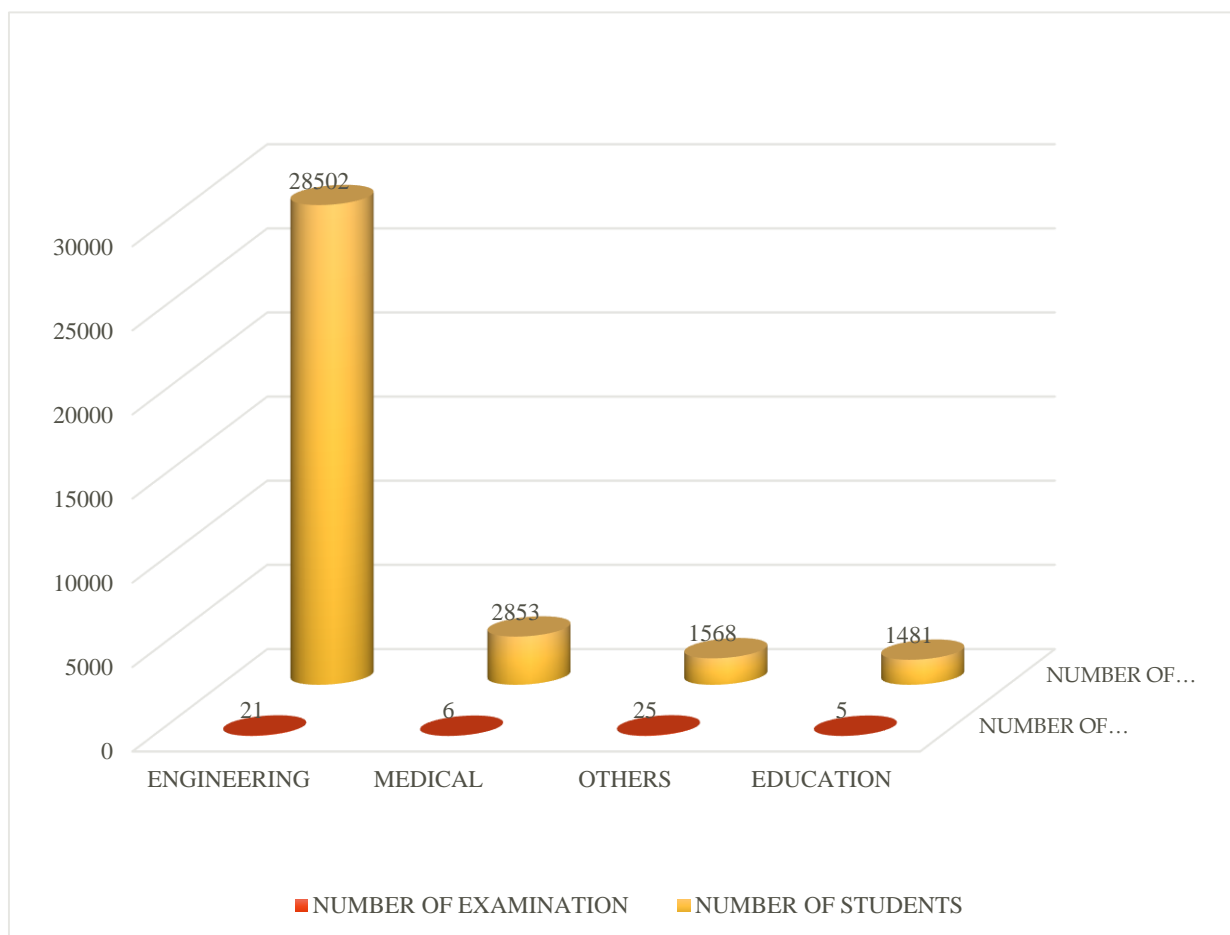
CHAPTER – 8

EXAMINATION

1. EXAMINATION IN THE YEAR 2013-2014



EXAM TYPE	NUMBER OF EXAMINATION	NUMBER OF STUDENTS
ENGINEERING	21	28502
MEDICAL	6	2853
OTHERS	25	1568
EDUCATION	5	1481
TOTAL	57	34404



2. LIST OF EXAMINATION

ENGINEERING	EXAMINATION LIST	NUMBER OF STUDENT
1	B.TECH 4TH YEAR ANNUAL THEORY EXAMINATION, 2013	1219
2	B.TECH 3RD YEAR THEORY EXAM, 2013	1312
3	B.TECH 8TH SEM THEORY EXAMINATION, 2013	228
4	B.TECH 2ND SEMESTER THEORY EXAMINATION, 2013	3277
5	B.TECH/B.PHARM 4TH SEMESTER THEORY EXAMINATION, 2013	2208
6	6TH SEMESTER B.TECH THEORY EXAMINATION, 2013	237
7	B.PHARMA 1ST SEMESTER THEORY EXAMINATION, 2013	64
8	B.TECH. 1ST SEMESTER THEORY EXAMINATION, 2013	3610

ENGINEERING	EXAMINATION LIST	NUMBER OF STUDENT
9	B.PHARM. 3RD YR	13
10	B.TECH/B.PHARM 3RD SEMESTER	3289
11	B.PHARM. 4TH YR	26
12	B.TECH/B.PHARM. 5TH SEMESTER	2185
13	B.TECH 7TH SEM [DCE]	234
14	B.PHARM. 3RD YR	13
15	B.TECH 8TH SEM THEORY EXAMINATION, 2014	232
16	B.TECH/B.PHARM 2ND SEMESTER THEORY EXAMINATION 2014	3640
17	B.TECH[LT]/B.PHARM 4TH YEAR THEORY EXAMINATION 2014	13
18	B.TECH 4TH YEAR ANNUAL THEORY EXAMINATION, 2014	1292
19	B.TECH/B.PHARM 4TH SEMESTER THEORY EXAMINATION, 2014	3331
20	B.TECH/B.PHARM 6TH SEMESTER THEORY EXAMINATION, 2014	2063
21	3RD SEMESTER M.SC FOOD TECHNOLOGY THEORY EXAMINATION, 2013	16

OTHERS	EXAMINATION LIST	NUMBER OF STUDENT
1	POST BASIC B.SC. NURSING 2ND YEAR ANNUAL THEORY EXAMINATION, 2013	12
2	POST BASIC B.SC. NURSING 1ST YEAR ANNUAL THEORY EXAMINATION, 2013	15
3	2ND SEMESTER B.B.A. THEORY EXAMINATION, 2013	41
4	2ND SEMESTER B.C.A. THEORY EXAMINATION, 2013	31
5	4TH SEMESTER M.SC. FOOD TECHNOLOGY, 2013	16
6	BBA 3RD SEMESTER THEORY EXAMINATION, 2013	35
7	BCA 3RD SEMESTER THEORY EXAMINATION, 2013	25
8	BBA 1ST SEMESTER THEORY EXAMINATION, 2013	270
9	BCA 1ST SEMESTER THEORY EXAMINATION, 2013	260
10	1ST YEAR BACHELOR IN OPERATION THEATRE TECH. THEORY EXAMINATION, 2013	7
11	1ST YEAR BACHELOR IN OPHTHALMIC TECH. THEORY EXAMINATION, 2013	9
12	1ST YEAR BACHELOR IN RADIO IMAGING TECHN. THEORY EXAMINATION, 2013	2
13	1ST YEAR BACHELOR IN MEDICAL LABORATORY TECH. THEORY EXAMINATION, 2013	14

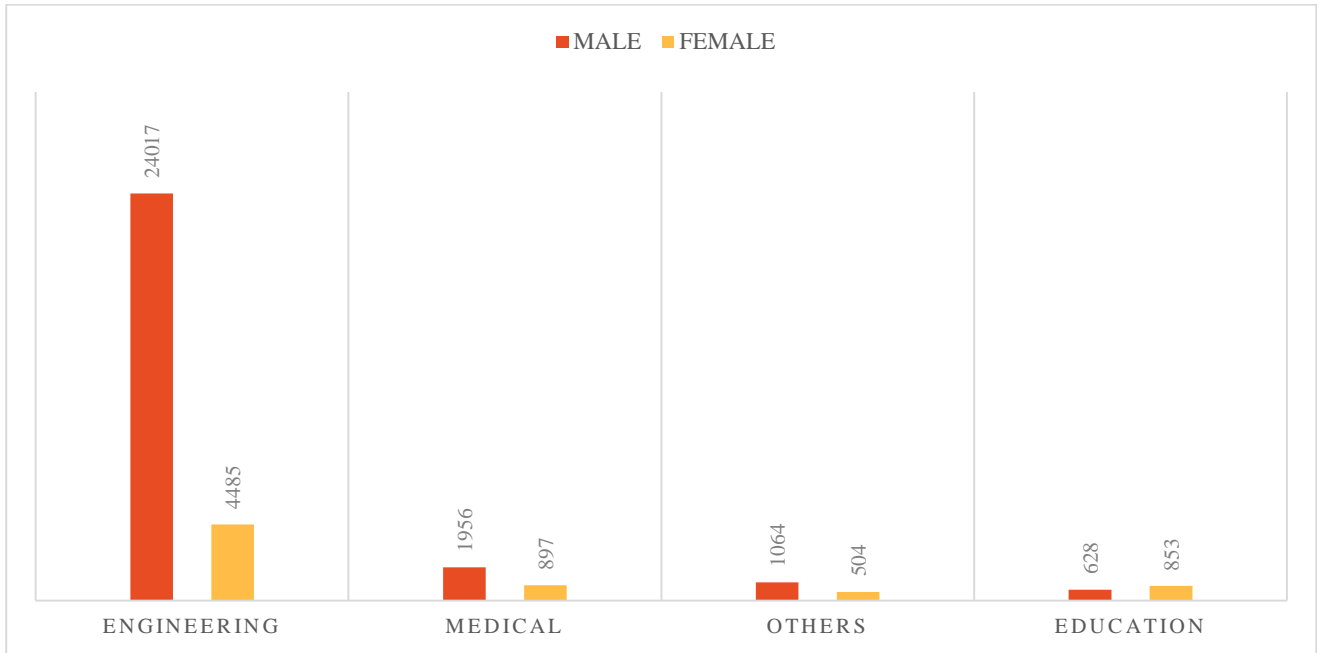
OTHERS	EXAMINATION LIST	NUMBER OF STUDENT
14	B.COM (PROFESSIONAL) 1ST SEMESTER THEORY EXAMINATION, 2013	65
15	B.SC. NURSING 1ST YR	40
16	BBA 2ND SEMESTER	251
17	BCA 2ND SEMESTER	242
18	B.COM [P] 2ND SEMESTER	61
19	B.SC. NURSING 1ST YR	67
20	POST BASIC B.SC. NURSING 1ST YEAR ANNUAL THEORY EXAMINATION	16
21	POST BASIC B.SC. NURSING 2ND YEAR ANNUAL THEORY EXAMINATION	12
22	DMRT - 1ST YEAR EXAMINATION	10
23	DMRT - 2ND YEAR EXAMINATION	10
24	BBA 4TH SEMESTER	32
25	BCA 4TH SEMESTER	25

EDUCATION	EXAMINATIONS LIST	NUMBER OF STUDENTS
1	1ST YEAR B.ED THEORY EXAMINATION, 2013	499
2	2ND SEMESTER M.ED THEORY EXAMINATION, 2013	33
3	M.ED. 1ST SEMESTER	34
4	M.ED. 2ND SEMESTER	34
5	B.ED THEORY EXAMINATION 2014	881

MEDICAL	EXAMINATIONS LIST	NUMBER OF STUDENTS
1	1ST PROFESSIONAL MBBS EXAMINATION, 2013	444
2	3RD PROFESSIONAL MBBS PART-1 THEORY EXAM-2013	442
3	3RD PROFESSIONAL MBBS PART-2 THEORY EXAM-2013	439
4	2ND PROF. MBBS	435
5	MD/MS & DIPLOMA EXAMINATION	305
6	1ST PROFESSIONAL M.B.B.S EXAM, 2014	788

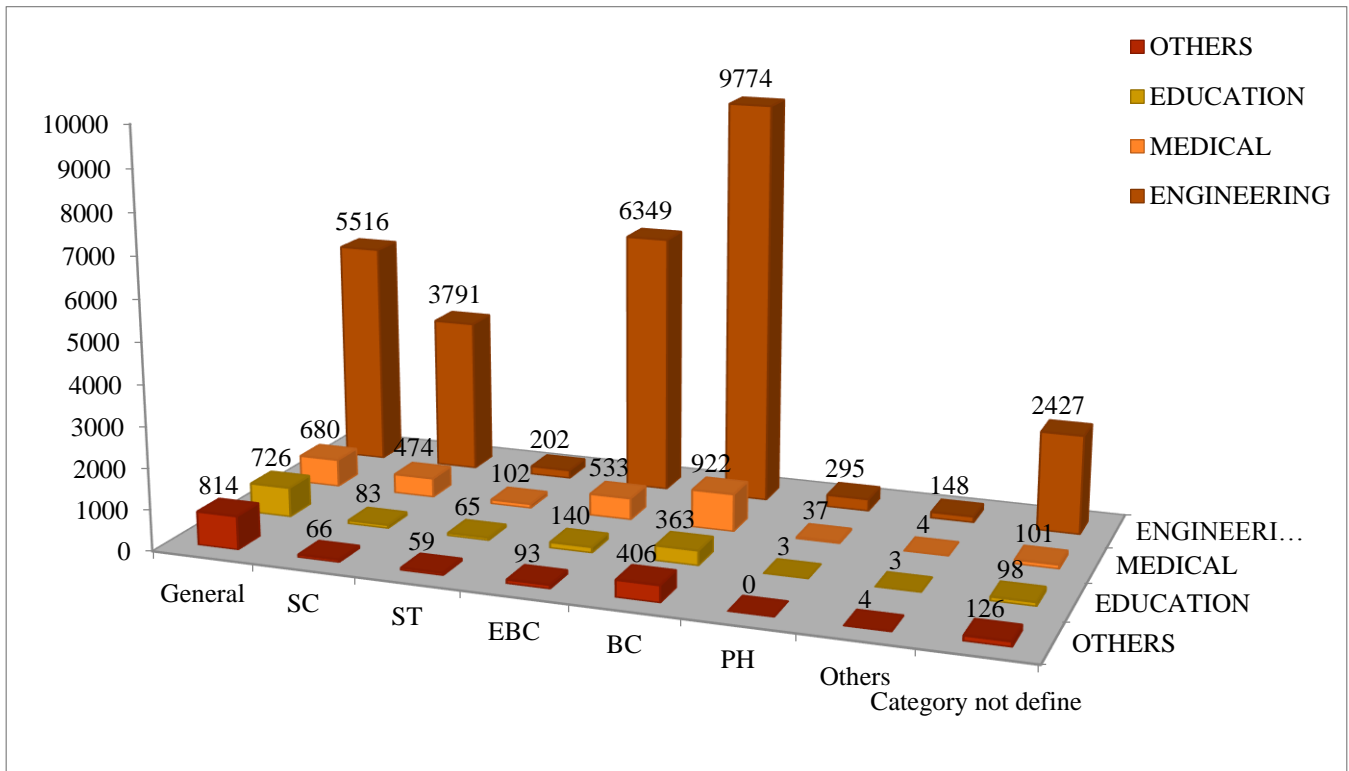
3. GENDER WISE DATA IN THE EXAMINATION YEAR 2013-2014

GENDER	ENGINEERING	MEDICAL	OTHERS	EDUCATION
MALE	24017	1956	1064	628
FEMALE	4485	897	504	853



4. CATEGORY IN THE EXAMINATION YEAR 2013-2014

CATEGORY	OTHERS	EDUCATION	MEDICAL	ENGINEERING
GENERAL	814	726	680	5516
SC	66	83	474	3791
ST	59	65	102	202
EBC	93	140	533	6349
BC	406	363	922	9774
PH	0	3	37	295
OTHERS	4	3	4	148
CATEGORY NOT DEFINE	126	98	101	2427



5. TOPPER'S LIST OF B.TECH. 8TH SEMESTER, 2014

SL.	Regd. No.	Name	FATHER'S NAME	CGPA
1	10101111042	SHRISTI RAJ	PAWAN KUMAR GUPTA	8.98
2	10102111080	PAYAL PRIYA	GIRINDRA MOHAN DAS	8.92
3	10102111063	RAKESH KUMAR	RAM DEO SINGH	8.89
4	10102111115	NEHA KUMARI	UMESH PRASAD CHOUDHARY	8.87
5	10102111089	SHADAB	KHALILUR RAHMAN	8.83
6	10103111139	SWEETY KUMARI	BASUDEO MANDAL	8.81
7	10102111070	SUMIT KUMAR DEY	AMAL DEY	8.80
8	10102111084	AJIT KUMAR	DEV KUMAR SINGH	8.80
9	10102111096	KESHAV KUMAR	SUSHIL KUMAR RAY	8.80
10	10102111104	KAMLESH KUMAR	RAMASHISH PRAJAPATI	8.79

6. TOPPER'S LIST OF M.ED. 2ND SEMESTER, 2014

SL.	NAME	FATHER'S NAME	REGD. NO.	CGPA
1	ANUMEHA	ASHUTOSH NARAIN	12501501013	9.79
2	ANKITA	SANJAY KUMAR	13502501103	9.69
3	SUJATA KUMARI	JITENDRA KUMAR	13502501122	9.69
4	A ANTHONY SAMY	C ALPHONSE	13502501101	9.69
5	SHRISTI SINGH	PRADUMAN SINGH	13502501120	9.58

SL.	NAME	FATHER'S NAME	REGD. NO.	CGPA
6	NIRUPAMA SRIVASTAVA	NIRANJAN KUMAR VERMA	13502501110	9.48
7	NEEL KAMAL SHARAN	SRI NATH SHARAN	13502501108	9.38
8	RITHIKA STEFFI STANLEY	RICHARD STANLEY	12501501074	9.38
9	SMITA PASCHAL	PASCHAL PETER OSTA	13502501121	9.38
10	MADHU BALA	UMESH PRASAD SINGH	13502501106	9.27
11	SHIPRA	GOVIND SHARAN SHARMA	13502501118	9.27

7. TOPPER'S LIST OF B.ED., 2014

SL.	COLLEGE	NAME	REG. NUMBER	REMARKS	MARKS
1	Ganga Global Institute Of Teacher Education, Begusarai	ABHILASHA KUMARI	13501507022	1st Div. WITH DIST.	872
2	St. Xavier's College of Education, Patna	ALISHA GUPTA	13501501002	1st Div. WITH DIST.	865
3	St. Xavier's College of Education, Patna	LIGI MOL P A	13501501038	1st Div. WITH DIST.	860
4	St. Xavier's College of Education, Patna	SANDHYA P J	13501501077	1st Div. WITH DIST.	858
5	Maa Aranya Devi B.Ed. College, Arrah	GARIMA SINGH	13501505018	1st Div. WITH DIST.	857
6	Trident B.Ed. College, Giddha, Arrah	GEETIKA	13501502051	1st Div. WITH DIST.	853
7	Shri Nityanand Jha College Of Education	PRATIK ANAND JHA	13501508076	1st Div. WITH DIST.	851
8	Maa Aranya Devi B.Ed. College, Arrah	KM BHAWANA JAISWAL	13501505052	1st Div. WITH DIST.	849
9	St. Xavier's College of Education, Patna	SADAF JAHAN	13501501075	1st Div. WITH DIST.	848
10	Ganga Global Institute Of Teacher Education, Begusarai	REECHA KUMARI	13501507001	1st Div. WITH DIST.	847

8. TOPPER'S LIST OF MEDICAL 3RD PROFESSIONAL MBBS PART-II, 2013

SL.	COLLEGE	NAME	REG. NUMBER	REMARKS	MARKS
1	SKMC	SHWETA SHALINI	09201205006	PASS Hons in Sur., Obst. and Gyn., Paed.	673
2	PMC	KANCHAN SHARMA	09201201073	PASS Hons in Sur., Obst. and Gyn., Paed.	653
3	SKMC	SHILPA KUMARI	09201205002	PASS Hons in Sur., Obst. and Gyn.	651
4	SKMC	NEHA	09201205014	PASS	635

SL.	COLLEGE	NAME	REG. NUMBER	REMARKS	MARKS
5	PMC	PRANAY KUMAR	09201201025	PASS Hons in Obst. and Gyn.	634
6	SKMC	ABHINAV MEHROTRA	09201205018	PASS	634
7	PMC	SONU KUMAR	09201201091	PASS Hons in Obst. and Gyn.	633
8	JLNC	JAYANTI SINHA	09201203008	PASS	633
9	PMC	ARVIND KUMAR	09201201014	PASS Hons in Obst. and Gyn.	632
10	SKMC	KAJAL KUMARI	09201205005	PASS	632

9. TOPPER'S LIST OF B.ED., 2013

SL.	COLLEGE	NAME	REG. NUMBER	REMARKS	MARKS
1	Maa Aranya Devi B.Ed. College, Arrah	SHILPEE SINGH	12501505082	1st Div. WITH DIST.	866
2	St. Xavier's College of Education, Patna	ANUMEHA	12501501013	1st Div. WITH DIST.	862
3	St. Xavier's College of Education, Patna	RITHIKA STEFFI STANLEY	12501501074	1st Div. WITH DIST.	862
4	St. Xavier's College of Education, Patna	SHINY PHILIP	12501501083	1st Div. WITH DIST.	859
5	Maitreya College of Education & Management, Hajipur	PAPPU KUMAR SINGH	12501504051	1st Div. WITH DIST.	854
6	Maa Aranya Devi B.Ed. College, Arrah	RAMBHA KUMARI	12501505063	1st Div. WITH DIST.	853
7	Maa Aranya Devi B.Ed. College, Arrah	PUSHPA KUMARI	12501505057	1st Div. WITH DIST.	852
8	St. Xavier's College of Education, Patna	ATI PRIYA	12501501021	1st Div. WITH DIST.	849
9	Trident B.Ed. College, Giddha, Arrah	RAKESH RANJAN	12501502067	1st Div. WITH DIST.	849
10	Maitreya College of Education & Management, Hajipur	KUMARI JYOTI	12501504033	1st Div. WITH DIST.	849
11	Maitreya College of Education & Management, Hajipur	SACHIN KUMAR	12501504072	1st Div. WITH DIST.	849

10. TOPPER'S LIST OF M.ED. 2ND SEMESTER, 2013

SL.	Regd. No.	Name	FATHER'S NAME	CGPA
1	12502501007	EKTA RAI	BAKHAT BAHADUR	9.9
2	12502501002	ADITI ABHILASHA JAYASWAL	ANIL KUMAR JAYASWAL	9.8
3	12502501035	VINCI VIVEKA	VINCENT LAZARUG	9.7
4	12502501003	AMRITA SINGH	ASHOK KUMAR	9.6
5	12502501028	SHANTI KISHORI SINGH	HILARIYAN SINGH	9.5
6	12502501030	SHRUTY	MADAN MURARI CHOUDHARY	9.5
7	12502501034	USHA KUMARI	HARISHCHANDRA CHAUDHARY	9.4
8	12502501029	SHARDA KUMARI	BIMAL PRASAD SINGH	9.4
9	12502501025	RASHMI SINGH	SHRI RAJAN KUMAR SINGH	9.3
10	12502501017	PRITI KUMARI	TRIPURARI SHARMA	9.3

11. TOPPER'S LIST OF M.SC. (FOOD TECHNOLOGY), 2010-2012

SL.	Regd. No.	Name	FATHER'S NAME	CGPA
1	10305304002	SHADAN HAIDER	MD GHOLAM HAIDER	8.65
2	10305304015	JUNAID ANSARI	MD MANSOOR	8.45
3	10305304006	INDRESH KUMAR	RAMJEE PRASAD	8.19
4	10305304010	SHASHI RANJAN	RAMA NAND PRASAD	8.07
5	10305304007	KUMARI PRITI WALA	MAHESH PRASAD PANDEY	8.02
6	10305304005	RAVINDRA KUMAR	RAM PRASAD SINGH	7.93
7	10305304012	RITESH KUMAR	MUNDRIKA THAKUR	7.82
8	10305304008	SONI KUMARI	DAYANAND PANDEY	7.76
9	10305304013	PRAKASH GYANODYA	RAM NARAYAN SINGH	7.48
10	10305304009	RAVI RANJAN	GANOURI PRASAD	7.45

12. ACHIEVEMENTS IN THE YEAR 2013-14 OF EXAMINATION SECTION

Number of Examination Conducted **57**

✓ Engineering	21
✓ Medical	06
✓ Education	05
✓ Others	25
✓	

Number of result published **51**

✓ Engineering	17
✓ Medical	05
✓ Education	05
✓ Others	25

Number of student registered **6287**

Special Classes for Engineering Students:

University conducted some special classes for students of 4th and 6th semester of Motihari Engineering College, Motihari to help them complete their syllabus in the University campus. Experienced faculty were engaged to teach the students.

Online Model Answer

University has uploaded some model answer on our website to help the students score better.

Pre-Registration Test (PRT)

The University has conducted conducted Pre-Registration Test in Health and Medicine and Engineering and Education.

Moving towards the Automization

- | | |
|------------------------------|---------------|
| • Online Registration form | Under process |
| • Online Examination form | Under process |
| • Online Re-evaluation | Under process |
| • Online Scrutiny | Under process |
| • Online Result Publication | Working |
| • Online Student Grievances | Working |
| • In house Result Processing | Under process |

13. FIRST CONVOCATION:-

The University has successfully held its first Convocation on 24.02.2014 in which 3669 (three thousand six hundred sixty nine) students were awarded with Medical/Engineering/Technical/Professional degrees. The list containing the names of student who got Gold Medal in various faculties is given below:-



SHISTA PRIYADARSHINI

Patna Medical College, Patna
M.B.B.S
201119201051
07201201052



RICHA SINGH

Patna Medical College, Patna
DOCTOR OF MEDICINE (MD)
23412Y201003
11234201191



DIVYA PRASAD

Patna Medical College, Patna
MASTER OF SURGERY (MS)
24212Y201009
11242201221



PRASHANT KUMAR MANDILWAR

Patna Medical College, Patna
PG DIPLOMA IN MEDICINE
25012Y201004
11250201345



ABHILASHA KUMARI

Darbhanga College of Engineering, Darbhanga
B-TECH (SEMESTER SYSTEM)
103128111008
08103111070



JULEE

Nalanda College of Engineering, Nalanda
B-TECH (ANNUAL SYSTEM)
103124109005
08103109105



SUDIPTA TIRKEY

College of Nursing Kurjil Holy Family Hospital, Patna
POST BASIC B.S.C.NURSING
301132301013
11301301013



ANKUR KUMAR SINHA

Patna Medical College, Patna
PG DIPLOMA IN MEDICINE
27112Y201006
11271201445



PRASOON KUMAR

Darbhanga Medical College, Darbhanga
DOCTOR OF MEDICINE (MD)
23412Y202002



MAYANK KUMAR

Darbhanga Medical College, Darbhanga
MASTER OF SURGERY (MS)
24212Y202005
10242202137



EKTA RAI

St. Xavier's College of Education, Patna
MASTER IN EDUCATION
502132501007
12502501007



SHILPEE SINGH

Maa Aranya Devi B.ED College, Arrah
BACHELOR IN EDUCATION
501131505084
12501505082



SUSHMA SUMAN

Muzaffarpur Institute of Technology, Muzaffarpur
B-PHARM (ANNUAL SYSTEM)
08109107258
109124107002



SHIKHA RANJAN

Darbhanga College of Engineering, Darbhanga
B-TECH (SEMESTER SYSTEM)
09103111151
103138111044

Aryabhatta Knowledge University extends its heartiest congratulations to the aforementioned Gold Medalist, majority of who are female. It is great to be a part of renaissance as the state which had been witnessing low percentage of women education is now creating a history in the field of education in general and female education in particular. This is reflected from the above mentioned list which mentions 10 female Gold Medalist out of total 14 in professional courses.



The Convocation Ceremony begins.

Gold Medalist Student (Master of Surgery MS) receiving degree from the then Hon'ble Chief Minister, Shri Nitish Kumar.



Gold Medalist Student (Master of Surgery MS) receiving degree from the then Hon'ble Chief Minister, Shri Nitish Kumar.

Gold Medalist Student (Master of Surgery MS) receiving degree from the then Hon'ble Chief Minister, Shri Nitish Kumar.

CHAPTER – 9

LIBRARY

Library is a store house of information and the key to the knowledge, for the era of Information Technology revolution. Library has a powerful influence on reading, stimulating and strengthening research and critical thinking skills.

Procurement of books for Libraries of AKU and ACNN

On the recommendation of the Library Committee (Ref. vide 007/Lib/002/AKU/2013 dated 12.11.2013, order has been placed for procurement of 449 [108(ACNN Library) + 341 (AKU Library)]. So far 413 books have been received. The details are as follows:

ACNN Library:

Nanoscience and Nanotechnology - 98 (Total Cost : Rs. 7,08,047.00)

AKU Library:

Engineering - 228

Education - 27

1,85,033.00)

Others

- 100

413

(Total Cost : Rs.

(i) **Donated Books** - 533 (Books related to Computer, Science, Engineering had been donated by Publishers and Persons)

(iii) **Journals (gifted from Publishers and Persons)** : 180

Total no. of Books in the AKU Library : 948 [533+415]

Total no. of Books in the ACNN Library : 105 [98+7]

1053

(One thousand fifty

three)

Current Status of AKU Library:

Gratis/Donated Books : 577

(by Author/Publishers/Personal/Individuals/Bihar Legislative Council, Patna)

Purchased Books : 371

(Amit Book Depot, Patna & Rajkamal Prakashan Pvt Ltd., Patna)

(i) **Journals (gifted from Publishers and Persons)** : 195
(approx.)

Library has a balanced collection of 1053 Books to support Engineering, Medical Science, Computer Sciences, Education and others. All the books are arranged on Book shelves using Dewey Decimal Classification (DDC) scheme. Library books are issued to Faculties, University Officers and Staffs. Library services include circulation (issue/return) of books and journals in the all working days.

(iv) **Chronicle of Newspaper & News clips:**

Ref. vide 002/Registrar/001/382/AKU/2014 dated 11.04.2014.

In compliance to the above office order, news related to University, development, scientific findings and research etc. are being kept in guard file for reference, knowledge and action if required by superior officials from the following newspapers:

- a) Times of India
- b) Hindustan Times
- c) The Telegraph
- d) Hindustan
- e) Dainik Jagran
- f) Dainik Bhaskar
- g) Prabhat Khabar
- h) Aaj
- i) i-Next
- j) Rashtriya Sahara
- k) Sanmarg
- l) The Inquilab(Urdu)
- m) Economic Times(English)
- n) THE HINDU (New Delhi Edition)

Note:

Due to non-availability of **THE HINDU** (New Delhi Edition) Newspaper, it has been replaced by **The Indian EXPRESS** (New Delhi Edition) from 12.09.2014 (vide Ref. No.007/Lib/006/2387/AKU/2014, dated 10.09.2014).

- i) News related to any University of Bihar in general and AKU in particular are scanned and saved in computer in Library and also in the Vice-Chancellor's Office.
- ii) All Newspapers are catalogued and kept in the Library.
- iii) The news from the website of UGC, MHRD etc., are also printed and kept in the Guard file in the Library for information and necessary action if needed.

Future plan:-

- i) to established e-Library and
- ii) to make a Modern and rich Library.

LIBRARY COMMITTEE:

The Hon'ble members of "Library Committee" of the Aryabhatta Knowledge University, Patna, constituted (vide Ref. No. 007/Lib./1460/002/AKU/2013, dated 30.10.2013) are as mentioned below:

- | | | |
|---|---|----------|
| 1. The Vice-Chancellor, AKU, Patna | : | Chairman |
| 2. The Pro-Vice-Chancellor, AKU, Patna | : | Member |
| 3. Dean, Faculty of Medicine, AKU, Patna | : | Member |
| 4. Dean, Faculty of Engineering, AKU, Patna | : | Member |

- | | | |
|--|---|--------------------|
| 5. Dean, Faculty of Education, AKU, Patna | : | Member |
| 6. Prof. Kamal Prasad, Head, ACNN, AKU, Patna | : | Member |
| 7. Prof. (Dr.) Vijay Prakash,
Head, Gastro -Enterology, PMCH, Patna | : | Member |
| 8. Prof. Ram Bachan Roy, Chairman,
Bihar State Public Library and Information Center Authority,;
Deptt. of Education, Govt. of Bihar | : | Special
Invitee |
| 9. Dr. Ravi Prakash, Asst. Librarian, AKU, Patna | : | Convener |

CHAPTER – 10

AFFILIATION

5.1 APPLICATION RECEIVED FOR FRESH AFFILIATION FOR ACADEMIC SESSION 2014-15 WITH ARYABHATTA KNOWLEDGE UNIVERSITY PATNA.

Course Applied	No. of Application	Rejected after Scrutiny	Inspection done	Rejected after Inspection	Affiliated	Pending
BBA, BCA & B. Com. (P)	09	06	03	02	01	--
B. Sc. (N)	01	--	01	--	01	--
B. Ed.	04	--	04	01	03	--
Degree & Bridge course in Medical Lab Technology	01	01	--	--	--	--
BBE	01	--	01	--	01	--
BMC	01	--	01	--	01	--
B. Tech.	02	--	02	--	02	--
MBA	02	02	--	--	--	--
MCA	01	01	--	--	--	--
Total	22	10	12	03	09	

5.2 INSPECTION CALENDAR FOR THE SESSION 2014-15

S.No.	Date of Inspection done	Name of College
01	8 th May 2014	Veerayatan B.Ed. College, Pawapuri, Dist. Nalanda – 803 115.
02	10 th May 2014	Kamla Bhubneshwar B.Ed. College P.O. Chandour, P.S. Bhagwanpur, Dist. Begusarai-851133.
03	11 th May 2014	KGI School of Education Vill- Maudahi, P.O. Katesar, Maner, Patna.
04	12 th May 2014	Institute of Management and Planning & Advance Computer Training 4 th Floor, Dunda Shahi Complex, Kala Manch Compound, Bari Path, Bakerganj, Patna-800004.
05	14 th May 2014	Maryada Purushottam College of Education Chilhari, Block- Dumraon, Dist. Buxar.
06	26 th May 2014	Moti Babu Institute of Technology, Industrial Estate, N.H.87, Forbisganj, Dist. Araria-854301. (Fresh Affiliation-Engineering)

S.No.	Date of Inspection done	Name of College
07	30 th May 2014	St.Xavier College of Management & Technology XTTI Campus, Digha Ghat, Patna-800 011.
08		The Principal/Director IMAT College (Insys Management and Technology) 2 nd Floor, Above Radhey Krishna Community Hall Ganga Market, Shivpuri, Off. Boring Road, Patna-800 023. (Fresh Affiliation_ BBA & BCA & B.Com(P))
09		The Principal/Director Institute of Management and Planning & Advanced Computer Training (IMPACT) 4 th Floor, Dunda Shahi Complex, Kala Manch Compound, Bari Path Bakerganj, Patna-800 004. (Fresh Affiliation_ BBA & BCA & B.Com(P))
10	31 st May 2014	Cimage Business College 2 nd and 3 rd Floor, Kulharia Complex, Ashok Rajpath, Patna- 800004.
11		Cimage Professional College Kiran Bhawan, Near Rajapur Pool, Boring Canal Road, Patna- 800001.
12		Cimage College Commercial Plot No.5, Road No.1A, Boring Road, Patna- 800001
13	1 st June 2014	Kingway Technical Institute At- Kulharia, P.O. Karmnasha P.S. Durgawai, Dist. Kaimur-821 105.
14	2 nd June 2014	Arcade Institute of Science & Technology Khagaul Road, Patna-801 503.
15	3 rd June 2014	Ganga Global Institute of Teacher Education National Highway 31, Vill- Ramazanpur (Near Ganga Dairy Ltd.) Begusarai-851 129.
16	5 th June	Surendra B. Ed Teachers Training College, Surendra Nagar, Neora Shiwala More, Khagaul, Patna - 801 113
17		Mundeshwari College for Teacher Education, Vill/ PO - Sarari, Tehsil/ Taluka - Danapur, Patna ,Bihar - 801 105.
18	6 th June	Admerit Business College Opp. Geological Survey of India, Kankarbagh, Patna- 800 020.
19	7 th June 2014	Exalt College of Engineering & Technology, At & P.O. Kanhali, Hazipur Mahua Road, Dist. Vaishali- 844 122. (Fresh Affiliation- Engineering)
20	8 th June 2014	Shri Nityanand Jha College of Education, Village- Sijoul, Dist.- Madhubani, Bihar - 847 235.
21	9 th June 2014	Shashi School of Business & Media Surendra Nagar, Shivala More Neura, Danapura, Patna- 801113
22		International School of Management Sarari, Khagaul Road, Patna-801105.
23	9 th June 2014	Shyamlal Chandrashekhar Nursing School

S.No.	Date of Inspection done	Name of College
		N.H.31, Parmanandpur, Khagaria- 851 205. (Fresh Affiliation- Nursing)
24	11 th June 2014	St. Xavier's College of Management & Technology, Patna X.T.T.I, Campus, Digha Ghat, Patna- 800 011 (Fresh Affiliation_ BMC & BBE)
25	13 th June, 2014	Maitreya College of Education & Management N.S.1(P), EPIP Campus, Hajipur Industrial Area Hajipur, Vaishali- 844102.
26	14 th June, 2014	MITMI IT & Management College 110, Patliputra Market, Sabzibagh, Patna.
27	14 th June 2014	Trident B.Ed. College, MUP III (P), Giddha Industrial Growth Centre, Vill + PO - Giddha, Ara, Dist. - Bhojpur, Bihar - 802314.
28		Maa Aranya Devi B. Ed. College, Ara - Buxar Road, P.O. - Bampali, Dist. - Bhojpur - 802 301
29	11 th July 2014	Sityog Institute of Technology Industrial Growth Centre, Jasola More, Aurangabad-824101
30	20 th July 2014	K. K. College of Engineering & Management Beruti - Indrapur, P.O. - Nepura, P.S. - Deepnagar, Biharsharif - 803115.
31	21 st July 2014	Buddha Institute of Technology 141/83, Ashok Nagar, Gaya - 823001.
32	24 th July 2014	Exalt College of Engineering & Technology, At & P.O. Kanhauli, Hazipur Mahua Road, Dist. Vaishali- 844 122.
33	1 st August 2014	Azmet Institute of Technology Zafar Nagar, Anarkali, Kishanganj - 855107 (Bihar).
34	2 nd August 2014	Vidya Vihar Institute of Technology Biada Industrial Growth Centre, Maranga, NH-31, Purnea- 854301
35	7 th August 2014	Shashi School of Business & Media, Surendra Nagar, Shivala More Neura, Danapur, Patna-801113 .
36		International School of Management, Sarari, Khagaul Road, Patna-801105.
37	9 th August 2014	Cimage College, Commercial Plot No. - 5, Road No. -1A, Boring Road, Patna - 1
		Cimage Professional College, Kiran Bhawan, Near Rajapur Pul, Boring Canal Road, Patna -1
		Cimage Business College, 2nd & 3rd Floor, Kulharia Complex, Ashok Rajpath, Patna - 4
38	16 th August 2014	Netaji Subhash Institute of Technology Amhara, Bihta, Patna-801118.
39	1 st September, 2014	Patna Sahib College of Engineering & Technology, Bafapur, Banthu, Bhagwanpur (Patna-Muzaffarpur Highway), Vaishali.
40	9 th September 2014	Mahavir Cancer Sansthan C/o Mahavir Asthan Nyas Samiti, Phulwarisharif, Patna- 801505.

S.No.	Date of Inspection done	Name of College
41	13 th September 2014	Adwaita Mission Institute of Technology Shivdham, PO - Maniyarpur, Dist- Banka, Bihar - 813 104
42		College of Nursing, Kurji Holy Family Hospital, P.O. Sadaquat Ashram, Patna- 800 010. Course: Basic B.Sc. Nursing
43		College of Nursing, Kurji Holy Family Hospital, P.O. Sadaquat Ashram, Patna- 800 010. Course: Post Basic B.Sc. Nursing

5.3 ANNUAL CALENDAR OF AFFILIATION CELL - FOR SESSION 2015-16

Activities	Proposed Date
Advertisement for Session 15-16	28 th Nov.,14
Application for New Affiliation, New courses in existing institutions, Extension of Affiliation of existing colleges, increase/decrease in intake.	1 st – 23 rd Dec.,14
Scrutiny of applications	3 rd – 12 th Jan., 2015
Meeting of ANTPC	15 th Jan.,2015
Formation of Inspection Teams	20 th Jan., 2015
Inspection of colleges	20 th Jan. – 15 th March, 2015
Meeting of ANTPC	20 th March, 2015
Meeting of BOA	25 th March, 2015
Meeting of Court	31 st March,15
Letter of affiliation/rejection	2 nd – 6 th April, 2015
Date for appeal	9 th – 15 th April, 2015
Meeting of ANTPC	17 th April, 2015
Meeting of BOA	22 nd April,15
Reply of appeal	25 th April,15
Surprise visit of IOC - 4 Colleges/ Month	June 2015-Dec, 2015

5.4 LIST OF COLLEGES UNDER AKU

Govt. Medical Colleges

1. Patna Medical College, Patna
2. Nalanda Medical College, Patna
3. Anugrah Narayan Magadh Medical College, Gaya
4. Jawahar Lal Nehru Medical College, Bhagalpur
5. Darbhanga Medical College, Laheriasarai, Darbhanga
6. Sri Krishna Medical College, Muzaffarpur
7. Government Medical College, Bettiah
8. Vardhman Institute of Medical Sciences, Pawapuri (Nalanda)

Govt. Dental College

1. Patna Dental College, Patna

Govt. Ayurved College

1. Govt. Ayurvedic College, Patna

Govt. Pharmacy College

1. Government Pharmacy College, Gulzarbag, Patna

Govt. Engineering Colleges

1. Nalanda College of Engineering, Chandi, Biharsharif, Nalanda
2. Darbhanga College of Engineering, Darbhanga
3. Muzaffarpur Institute of Technology, Muzaffarpur
4. Motihari College of Engineering, Motihari
5. Bhagalpur College of Engineering, Bhagalpur
6. Lok Nayak Jay Prakash Institute of Technology, Chapra
7. Gaya College of Engineering, Gaya

Non-Govt. Engineering Colleges

1. Patna Sahib College of Engineering & Technology, Bhagwanpur, Hajipur
2. Vidya Vihar Institute of Technology, Purnea
3. Netaji Subhash Institute of Technology, Amhara, Bihta, Patna
4. K.K. College of Engineering & Management, Biharsharif
5. Sityog Institute of Technology, Jashoia More, Aurangabad
6. Buddha Institute of Technology, Ashok Nagar, Gaya
7. Azmet Institute of Technology, Kishanganj
8. Adwaita Mission Institute of Technology, Banka (Bihar)
9. Vidya Dan Institute of Technology, Arian, Dumraon, Buxar
10. Moti Babu Institute of Technology, Forbesganj
11. Exalt College of Engineering & Technology, Vaishali

Non-Govt. Architecture

1. Ambedkar Institute of Architecture, Maner, Patna

Non-Govt. B.Ed. Colleges

1. St. Xavier's College of Education, Digha Ghat, Patna
2. Trident B.Ed. College, Gidha, Bhojpur
3. Maitreya College of Education & Management, Hajipur,
4. Maa Aranya Devi B. Ed. College, Ara, Bhojpur
5. Kingway Technical Institute, Kulharia, Kaimur
6. Shri Nityanand Jha College of Education, Sijoul, Madhubani
7. Ganga Global Institute of Teacher Education, Ramazanpur, Begusarai
8. Mundeshwari College for Teacher Education, Danapur, Patna
9. Veerayatan B.Ed. College, Pawapuri, Dist. Nalanda
10. Kamla Bhubneshwar B. Ed. College, Bhagwanpur, Begusarai
11. KGI School of Education, Vill - Maudahi, Maner, Patna

Post Basic (N)/B. Sc. (Nursing) Colleges/ Institutes

1. College of Nursing, Kurji, Patna
2. Shyamlal Chandrashekhar Nursing School, Khagaria

Non-Govt. BBA, BCA & B. Com(P) Colleges/ Institutes

1. Sityog Institute of Technology, Aurangabad.
2. Cimage College, Boring Road, Patna
3. Cimage Business College, Ashok Rajpath, Patna
4. Cimage Professional College, Boring Canal Road, Patna
5. Admerit Business College, Kankarbagh, Patna
6. Shashi School of Business & Media, Danapur, Patna
7. International School of Management, Khagaul, Patna
8. Arcade Institute of Science & Technology, Khagaul, Patna
9. Ambedkar Institute of Higher Education, Gola Road, Patna
10. Institute of Management and Planning & Advance Computer Training, Bakarganj, Bari Path, Patna

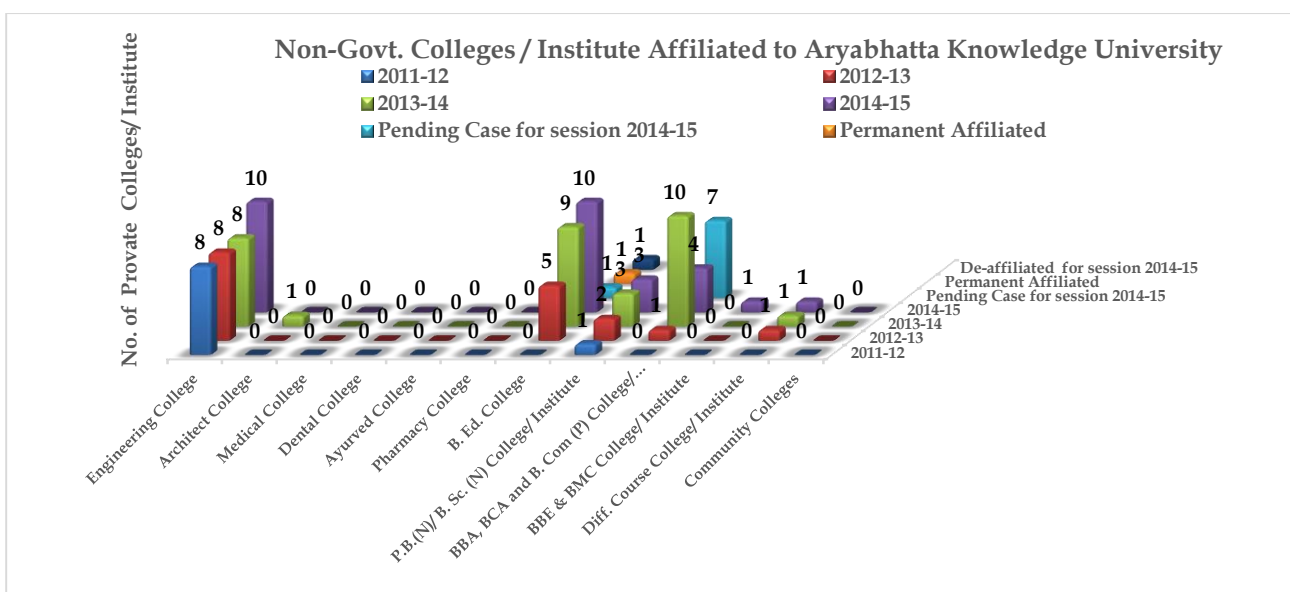
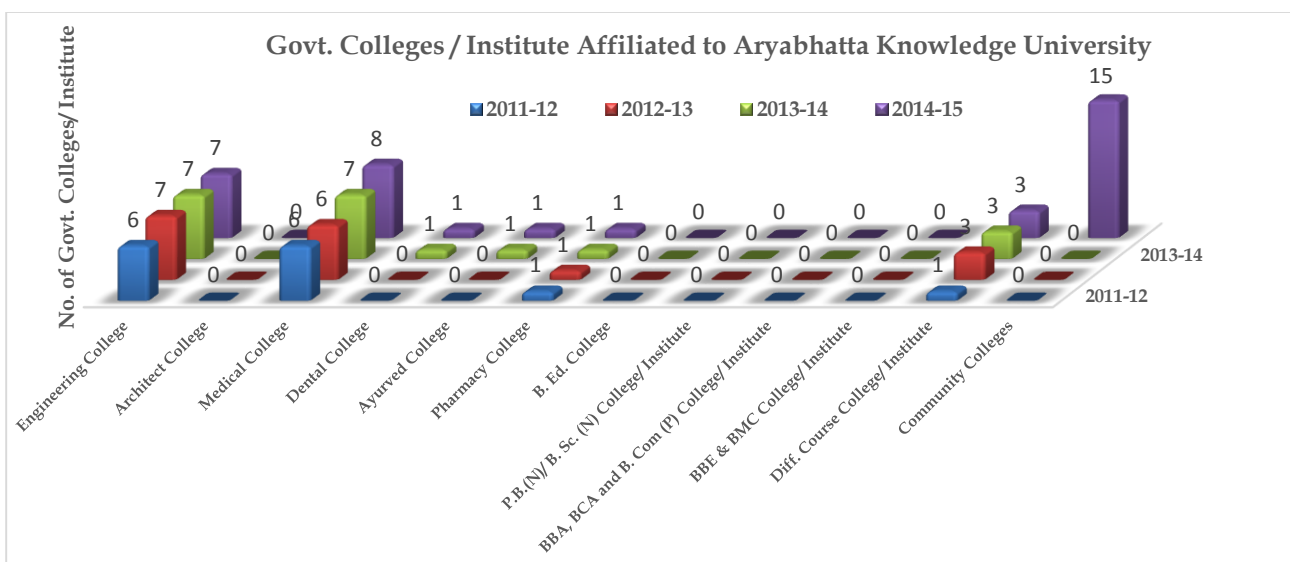
Other Colleges/ Institutes

1. Public Health Institute, Ashok Rajpath, Patna
2. Jagjivan Ram Institute of Parliamentary Studies & Political Research, Patna

3. Institute of Entrepreneurship Development, East Gandhi Maidan, Patna
4. St. Xavier's College of Management & Technology, Digha Ghat, Patna
5. Mahavir Cancer Sansthan, Phulwarisharif, Patna

Community Colleges


1. Patna Women's College, Patna
2. A.N. College, Patna
3. J.D. Women's College, Patna
4. Government Women's College, Patna
5. R. K. College, Madhubani
6. Purnia College, Purnia
7. L. S. College, Muzaffarpur
8. Gaya College, Gaya
9. R.M. College, Saharsa
10. M.S. College, Motihari
11. C.M. Science College, Darbhanga
12. Rajendra College, Chapra
13. R.D. & D.J. College, Munger
14. Agriculture College, Sabaur, Bhagalpur
15. Narayan Mahavidyalaya College, Goriakothi, Siwan



CHAPTER – 11

FINANCE, ACCOUNTS AND AUDIT DEPARTMENT

1. AUDIT REPORT 2013-14



G. MANDAL & CO
CHARTERED ACCOUNTANTS

Phone : 0612-6570566
 9835274290, 9310995305
 E-mail: cagopalm@gmail.com

West Boring Canal Road, New Punaichak, (Near Indira Bhawan),
 Patna – 800023

The Registrar,
 Aryabhatta Knowledge University,
 Chanakya National Law University Campus,
 Patna, Bihar,

Dear Sir,

Sub: - Consolidated Internal Audit Report of M/S Aryabhatta Knowledge University for the year ended 31st March, 2014(2013-2014).

We have pleasure to inform you that, we have completed the Internal Audit of the account of the university for the year ended 31st March, 2014, with the books of account and other related vouchers & records produced to us. Our observations and suggestions are as under:

1. Cash book, ledger, trial balance along with all the subsidiaries ledgers of the university is being maintained in computer software (Tally Package) as well as manual and up to date as on 31st march 2014.
2. The Bank reconciliations Statement of all the operative bank account of the University is up to date and reconciled without any long pending items as on 31st march 2014.
3. The University inter fund transactions is also reconciled as on 31st march 2014.
4. The University has maintained Fixed Assets register up to date in computer software as on 31st march 2014, and the physical verification of the Fixed assets done by the management on due interval during the financial year 2013-14. No discrepancies have been found during the course of the physical verification.


5. Our fund wise observations and suggestions are as follows:-

A. Endowment Fund:

During the course of our audit we observed that Rs. 1.95 crores is coming as endowment deposit with the university, however terms and condition of the deposit not made available for our verifications, at the time of discussion with concern official it was explained that the deposit is refundable with interest. However no interest expenses booked/accounted for during the financial year 2013-14.

B. University Main Account Fund:

- a) The University Officers and staffs salary and related payment is being made as per the Bihar extraordinary Gazette no. 15D-01/09 part-II, H.E- 2693 dated 27th August 2010.
- b) The University has not deposited the amount deducted under new pension scheme from the employee salary and an equal contribution by employer, to the concern department during the



financial year 2013-14 of Rs. 9,76,112/- as well as Rs.112068/- of ACNN. Therefore it is suggested to do the needful for the same as the same is a statutory non-compliance.

c) Legal expenses 92714/-

As per the provision of service tax reverse charge mechanism, any payment made to lawyer will be subject to reverse charge, hence the liability to deposit service tax is lying with the AKU in case of legal expenses paid to lawyer, therefore it is suggested to recheck the provisions of service tax act and deposit the service tax under reverse charge mechanism to avoid the penalty.

d) VAT Payable Rs. 1, 02,754/-

The VAT payable is coming as payable as on 31st march 2014 and not yet deposited to the concern Department.

C. EXAMINATION AND REGISTRATION FUND

a) Sundry advances Rs. 21975419/-

Following are the advances outstanding since more than one year as on 31st march 2014:-

<u>Name</u>	<u>Amount (Rs.)</u>
Arvind Mahila College	426800/-
B.D college, Mithapur, Patna	316355/-
B.R.A.B.U., Muz.	22800/-
Gaya College, Gaya	415057/-
Government Zila High School, Motihari	184305/-
J.D. Womens College, Patna	222700/-
J.L.N.M.C., Bhagalpur	14625/-
M.S. college, Motihari	97400/-
N. Jha Mahila Mahavidyalaya, Darbhanga	385730/-
R.B.J.B. Mahavidyalaya	26500/-
Sri Krishna Medical College, Muz.	142115/-
Sri Krishna Mohan Prasad, H.O.D, Muz.	199790/-
T.M.B. University, Bhagalpur	145000/-
Zila School, Purnea	128015/-
K.Alam	5000/-
Total Rs.	2732192/-

The above advances are outstanding since more than one year; hence the University is advice to follow up with the party for early recovery/adjustment of the same.

6. General observations

- The University is advice to book the interest on FDRs as per the bank interest certificate in respective fund.
- The University is advice to deduct the TDS on different types of examination and other expenses where payment to a particular person exceeds Rs. 75000/- pa or Rs. 30000/- per payment during the financial year, as per the provisions of section 194J of the income tax act 1961.



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2. BALANCE SHEET AS ON 31.03.2014

G. MANDAL & CO.
CHARTERED ACCOUNTANTS

West Boring Canal Road
New Punaichak
(Near Indira Bhawan)
Patna-800023
Ph. No.- 0612-5670566(O)
9835274290(M)

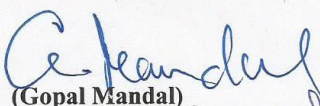
ARYABHATTA KNOWLEDGE UNIVERSITY, PATNA
CHANAKYA NATIONAL LAW UNIVERSITY CAMPUS, PATNA

SOURCES OF FUND	SCHEDULE	AMOUNT AS ON 31.03.2014	AMOUNT AS ON 31.03.2013
A. UNRESTRICTED FUNDS			
General fund	1	404391351.75	336236469.90
Govt. Grant for Building Construction	2	100000000.00	0.00
Endowment Deposit	3	19500000.00	10500000.00
Current Liabilities & Provisions	4	9813922.00	245518.00
Total Rs.		533705273.75	346981987.90
APPLICATION OF FUNDS			
B. FIXED ASSETS	5		
Tangible Assets		15255437.09	8496342.90
Intangible Assets		0.00	0.00
Capital Work in Progress		11395992.00	0.00
INVESTMENT			
Long term	6	396582309.00	252000000.00
Short term		0.00	0.00
CURRENT ASSETS & LOANS AND ADVANCES			
Current Assets			
Cash and bank	7a	42192431.00	38236413.00
Other current assets	7b	33673152.66	9997406.00
Loans, advances & Deposits	7c	34605952.00	38251826.00
Total Rs.		533705273.75	346981987.90
Notes of Accounts	19		

As per our report of even date

For **G. MANDAL & Co.**

Chartered Accountants


(Gopal Mandal)
Partner

M.No.-072030

FRN.-0030946

Dated:

Place: Patna




Md. Ehsan
Section Officer


Kant Diwaker
Budget & Accounts Officer


Birendra
Finance Officer
Aryabhatta Knowledge University, Patna


Registrar
Aryabhatta Knowledge University, Patna

3. INCOME & EXPENDITURE ACCOUNT

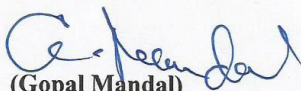
G. MANDAL & CO.
CHARTERED ACCOUNTANTS

West Boring Canal Road
New Punaichak
(Near Indira Bhawan)
Patna-800023
Ph. No.- 0612-5670566(O)
9835274290(M)

ARYABHATTA KNOWLEDGE UNIVERSITY, PATNA
CHANAKYA NATIONAL LAW UNIVERSITY CAMPUS, PATNA

PARTICULARS	SCHEDULE	AMOUNT AS ON 31.03.2014	AMOUNT AS ON 31.03.2013
INCOME			
Academic Receipts	8	60936314.00	39564400.00
Government Grants	9	34878866.00	155000000.00
Affiliation & Inspection Fee	10	7594700.00	2830000.00
Income from Investment	11	29869640.66	11393818.00
Other Income	12	3110317.00	858117.00
TOTAL(A)		136389837.66	209646335.00
EXPENDITURE			
Establishment Expenses	13	19277211.00	8328041.00
Academic Expenses	14	4120070.00	900672.00
Administrative and General Expenses	15	22916223.52	15758840.00
Repairs and Maintenance	16	1370939.10	457799.90
Finance Cost	17	81518.00	33338.00
Examination Expenses	18	17106230.00	8777449.00
Depreciation	5	3000939.18	1395867.50
TOTAL(B)		67873130.80	35652007.40
Balance being Excess of Income over Expenditure	(A-B)	68516706.86	173994327.60
<u>Transfer to/from Designated Funds</u>			
Building Fund		0.00	0.00
Others (Specify)		0.00	0.00
Balance being Surplus(Deficit) Carred to General Fund		68516706.86	173994327.60

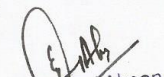
As per our report of even date
For **G. MANDAL & Co.**
Chartered Accountants



(Gopal Mandal)
Partner

M.No.-072030
FRN.-003094C

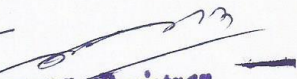
Dated:
Place: Patna




Md. Ebadat Ahsan
Section Officer


Ravi Kant Diwaker
Budget & Accounts Officer


Finance Officer
Aryabhatta Knowledge University, Patna


Registrar
Aryabhatta Knowledge University, Patna

4. SCHEDULES

Aryabhatta Knowledge University, Patna SCHEDULE FORMING PART OF THE BALANCE SHEET AS AT 31.03.2014		
	Current Year 31.03.2014	Previous Year 31.03.2013
Schedules		
SCHEDULE - 1 GENERAL FUND		
Balance as at the beginning of the year	335874644.89	162242142.3
Add: Surplus transferred from the Income & Expenditure account	68516706.86	173994327.60
	404391351.75	336236469.90
Less: Adjusted in during the Year	0.00	0.00
Balance as the Year Ended	404391351.75	336236469.90
SCHEDULE - 2 Govt. Grant for Building Construction	Current Year 31.03.2014	Previous Year 31.03.2013
Balance as at the beginning of the year	0.00	
Add: Grants from Education Department Govt. of Bihar	100000000.00	
	100000000.00	0.00
Less: Adjustment during the year	0.00	
Balance as the Year Ended	100000000.00	0.00
SCHEDULE - 3 Endowment Funds	Current Year 31.03.2014	Previous Year 31.03.2013
Balance as at the beginning of the year	105000000.00	55000000.00
Add: During the year received from various college	90000000.00	50000000.00
	195000000.00	105000000.00
Less: Adjustment during the year	0.00	0.00
Balance as the Year Ended	195000000.00	105000000.00



Ravi Kant Diwakar
Ravi Kant Diwakar
Budget & Accounts Officer

Birendra
Birendra
Finance Officer

Registrar
Registrar
Aryabhatta Knowledge University, Patna

Md. Emdad Ahsan
Md. Emdad Ahsan
Section Officer

SCHEDULE -4 Current Liabilities & Provisions	Current Year 31.03.2014	Previous Year 31.03.2013
(a) Statutory Liabilities		
G.I.S.	1520.00	0.00
GPF	53570.00	0.00
Income Tax	5,000.00	0.00
NPS (1)	869,564.00	0.00
NPS (2)	109,308.00	0.00
NPS (ES)	109,308.00	0.00
VAT	105469.00	0.00
TDS	4389.00	0.00
Total	1258128.00	0.00
(b) Sundry Creditors	0.00	0.00
M/s Advantage Media Consultant	77899.00	0.00
M/s Bharat Commercial Agency	247480.00	0.00
M/s BIS(india) Pvt. Ltd.	492476.00	0.00
M/s Hue Service Pvt Ltd.	1099783.00	0.00
M/s Home Care Enterprises	57678.00	0.00
M/s Kishore Enterprises	3253.00	0.00
M/s Narayani Enterprises	24000.00	0.00
M/s Mani Sri Enterprises	6436.00	0.00
M/s Blaze Flash Courier	29971.00	0.00
M/s Bharat Lal Tent & Crockery House	4145.00	0.00
M/s New Camera Man (Manoj Kumar Mandal)	33850.00	0.00
M/s Zenor Informatics	10541.00	0.00
M/s Kores(India) Ltd.	8816.00	0.00
M/s Axiom Enterprises	2189.00	0.00
Allahabad Bank	80800.00	0.00
M/s Datatec Methodex Pvt. Ltd.	1601134.00	0.00
M/s Magadh Tour & Travels	215067.00	0.00
M/s Vandana Tour & Travels	421216.00	0.00
Total	4416734.00	0.00
(c) Liabilities for Expenses	0.00	0.00
Office Rent	660279.00	227540.00
Electricity Charges	23613.00	0.00
Audit Fee Payable	50562.00	17978.00
Other Expenses Payable	4195.00	0.00
Salary Payable	1859741.00	0.00
Examination Expenses Payable	374802.00	0.00
Evaluation Expenses Payable	986731.00	0.00
Total	3959923.00	245518.00
(d) Securities Deposits	0.00	0.00
Security Money (B.I.S.)	10000.00	0.00
Security Money (Cool Control)	10000.00	0.00
Security Money (Magadh Tour & Travel)	10000.00	0.00
Security Money (Rakesh Kumar Sinha)	69137.00	0.00
Security Money (Vandana Tour & Travel)	10000.00	0.00
Security Money (Amit Book Depot)	70000.00	0.00
Total	179137.00	0.00
Grand total	9813922.00	245518.00



Md. Eqbal Ahsan
Section Officer

Ranjant Diwakar
Budget & Accounts Officer

Finance Officer
Aryabhata Knowledge University, Patna

Registrar
Aryabhata Knowledge University, Patna

SCHEDULE -5 FIXED ASSETS

ARYABHATTA KNOWLEDGE UNIVERSITY
CHANKAYA NATIONAL LAW UNIVERSITY CAMPUS, PATNA.

Schedule of Fixed Assets Forming Part of Consolidated Balance Sheet As on 31.03.2014.

SL. No	Particulars	W.D.V. as on 01.04.2013.	Addition during the year	Sold during the year	Assets used for more than 180 days	Assets used for less than 180 days	Total	Rate of Depreciation (%)	Depreciation for more than 180 days	Depreciation less than 180 days	Depreciation during the year	W.D.V. as on 31.03.2014.	W.D.V. as on 31.03.2013.
1	Furniture & Fixtures(S.B.I)	3,061,413.20	1,440,141.00		3608786.20	892768.00	4,501,554.20	10	360,878.62	44638.4	405,517.02	4,096,037.18	4522278.2
2	Motor Car(Ambassador & Maruti)	1,544,343.75	1,235,648.00		2779991.75	0.00	2,779,991.75	15	416,998.76	0	416,998.76	2,362,992.99	1544343.75
3	Computer & Accessories	849,533.00	1,221,748.00		892221.00	1179060.00	2,071,281.00	60	535,332.60	353718	889,050.60	1,182,230.40	849533
4	Photocopier Machine	36,437.12	314,474.00		350911.12	0.00	350,911.12	15	52,636.67	0	52,636.67	298,274.45	36437.12
5	Gas cylinder & Stove	3,621.89	0.00		3621.89	0.00	3,621.89	15	543.28	0	543.28	3,078.61	3621.89
6	Water purifier	17,650.35	107,118.00		67090.35	57678.00	124,768.35	15	10,063.55	4325.85	14,389.40	110,378.95	17650.35
7	Air Conditioner	511,957.72	698,400.00		1210357.72	0.00	1,210,357.72	15	181,553.66	0	181,553.66	1,028,804.06	511957.72
8	Television	9,500.88			9500.88	0.00	9,500.88	15	1,425.13	0	1,425.13	8,075.75	9500.88
9	Fax Machine	172,512.77			172512.77	0.00	172,512.77	15	25,876.92	0	25,876.92	146,635.85	172512.77
10	CCTV Camera	118,967.79			118967.79	0.00	118,967.79	15	17,845.17	0	17,845.17	101,122.62	118967.79
11	Board for Display	5,712.80			5712.80	0.00	5,712.80	15	856.92	0	856.92	4,855.88	5712.80
12	Generator	56,950.00			56950.00	0.00	56,950.00	15	8,542.50	0	8,542.50	48,407.50	56950
13	Air Cooler	33,341.25			33341.25	0.00	33,341.25	15	5,001.19	0	5,001.19	28,340.06	33341.25
14	Computer Software	48,076.87			48076.87	0.00	48,076.87	15	7,211.53	0	7,211.53	40,865.34	48076.87
15	LCD Projector	34,203.70			34203.70	0.00	34,203.70	15	5,130.56	0	5,130.56	29,073.15	34203.7
16	Printer	531,254.80	189,096.00		657578.80	62772.00	720,350.80	15	98,636.82	4707.9	103,344.72	617,006.08	531254.8
17	Aluminium Partition	0.00	877,329.00		189955.00	691374.00	877,329.00	10	18,595.50	34668.7	53,164.20	824,164.80	0
18	Coffee Machine	0.00	28,980.00		28980.00	0.00	28,980.00	15	4,347.00	0	4,347.00	24,633.00	0
19	Inventor with Battery	0.00	20,300.00		20300.00	0.00	20,300.00	15	3,045.00	0	3,045.00	17,255.00	0
20	Laptop	0.00	64,135.00		64135.00	0.00	64,135.00	60	38,481.00	0	38,481.00	25,654.00	0
21	Mobile Set	0.00	165,570.00		102000.00	63570.00	165,570.00	60	61,200.00	19071	80,271.00	85,299.00	0
22	Refrigerator	0.00	28,000.00		28000.00	0.00	28,000.00	15	4,200.00	0	4,200.00	23,800.00	0
23	Scanner	0.00	8,800.00		8800.00	0.00	8,800.00	60	-	2640	2,640.00	6,160.00	0
24	Steel Rack	0.00	326,880.00		236080.00	90800.00	326,880.00	10	23,608.00	4540	28,148.00	298,732.00	0
25	Wall Fan	0.00	4,200.00		4200.00	0.00	4,200.00	15	630.00	0	630.00	3,570.00	0
26	Water Heater	0.00	10,275.00		10275.00	0.00	10,275.00	15	1,541.25	0	1,541.25	8,733.75	0
27	AC/N												
28	Furniture and Fixture	1,460,865.00	1,155,207.88		1915508.88	700564.00	2,616,072.88	15	287,326.33	52542.3	339,868.63	2,276,204.25	0
29	Electrical equipment	0.00	22,824.00		22824.00	0.00	22,824.00	15	3,423.60	0	3,423.60	19,400.40	0
30	Electronics	0.00	1,164,959.50		190793.50	974166.00	1,164,959.50	15	28,619.03	73062.45	101,681.48	1,063,278.03	0
31	Computer	0.00	672,000.00		672000.00	0.00	672,000.00	60	-	201600	201,600.00	470,400.00	0
32	Books	0.00	3,948.00		3948.00	0.00	3,948.00	100.00	-	1974	1,974.00	1,974.00	0
33	TOTAL TANGIBLE ASSETS	8,496,342.89	9,760,033.38	0.00	12,858,876.27	5,397,500.00	18,256,376.27	760.00	2,203,508.58	797,388.60	3,000,939.18	15,255,437.09	0
	Capital work in progress	0.00	1,139,592.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11,395,992.00	0.00
	Intangible assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL (Previous Year)	460,6806.3	558,3682	298276.9			9892210.4				1,395,867.50	8496342.9	

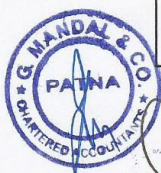


Signature of Section Officer
Signature of Budget & Accounts Officer
Signature of Finance Officer
Signature of Registrar
Aryabhatta Knowledge University, Patna

SCHEDULE - 6 Investment	Current Year 31.03.2014	Previous Year 31.03.2013
Balance as at the beginning of the year	252000000.00	252000000.00
Add: During the year	174682309.00	0.00
Total	426682309.00	252000000.00
Less: Matured during the year	30100000.00	0.00
Balance as the Year Ended	396582309.00	252000000.00

SCHEDULE - 7 CURRENT ASSETS & LOANS AND ADVANCES	Current Year 31.03.2014	Previous Year 31.03.2013
(a). Cash & Bank Balance	0.00	
Cash-in-hand	113434.00	47062
Bank Accounts	42078997.00	38189351
Total	42192431.00 Dr	38236413.00 Dr
(b) Other Current Assest		
Accrued Interest	33653352.66	9984406
Security Deposit with Electricity Board	13000.00	13000
Security Money (SKSS)	6800.00	0.00
	33673152.66	9997406.00
(c). Advances to Staff and Institutions		
Advances to Staff & Institutions	22439919.00	16172177
Advance for Building Construction	8604008.00	20000000
Receivable from Institution	380697.00	965756
TDS	3181328.00	1113893
Total	34605952.00 Dr	38251826.00 Dr

SCHEDULE - 8 ACADEMIC & EXAMINATION RECEIPTS	Current Year 31.03.2014	Previous Year 31.03.2013
Admission Fee	520000.00	0.00
Application Fee	146550.00	0.00
Marksheet Fee	2374550.00	0.00
Degree Fee	42000.00	0.00
Duplicate Marksheet Fee	34000.00	0.00
Examination Fee	34867000.00	29095748
Examination Fee (Back Log)	1703500.00	0.000
Late Fine	1383350.00	0.00
Local Leavy	8903100.00	6764500
Provisional Certificate Fee	489750.00	0.00
Re-Examination Fee	61500.00	0.00
Registration Cancellation Fee	500.00	0.00
Registration/Examination Fee	4170564.00	0.00
Thesis Fee	106500.00	0.00
Re-evaluation Fee	1725250.00	0.00
Re-totaling Fee	35750.00	0.00
Admit Card Fee	1500.00	0.00
Migration Fee	192000.00	0.00
Provisional Fee	9650.00	0.00
Sale of Examination form	2749900.00	3704152
Sale of Registration form	686200.00	0.00
Convocation Income	733200.00	0.00
Total	60936314.00	39564400.00



Md. Ehsan Ahsan
Section Officer

Ravi Kant Diwakar
Budget & Accounts Officer

Birendra
Finance Officer
Aryabhatta Knowledge University, Patna

Registrar
Aryabhatta Knowledge University, Patna

SCHEDULE - 9 GRANT FROM EDUCATION DEPARTMENT	Current Year 31.03.2014	Previous Year 31.03.2013
Grant from Education Department (AKU)	34878866.00	0.00
Grant from Education Department (ACNN)	0.00	155000000
Total	34878866.00	155000000.00
SCHEDULE - 10 AFFILIATION & INSPECTION FEES	Current Year 31.03.2014	Previous Year 31.03.2013
Affiliation Fee	4420000.00	1345000
Inspection & Processing Fee	3145000.00	1485000
Affiliation Form Fee	29700.00	0
Total	7594700.00	2830000
SCHEDULE - 11 INCOME FROM INVESTMENT	Current Year 31.03.2014	Previous Year 31.03.2013
Interest on F.D.	29869640.66	11393818.00
SCHEDULE - 12 OTHER INCOME	Current Year 31.03.2014	Previous Year 31.03.2013
Interest on Saving Bank	2716990.00	763734
Credit Note	52323.00	0.00
Sale of old Newspaper	0.00	0.00
Misc. Receipts	293394.00	76793
Sale of Tender Bid Fee	3000.00	0.00
RTI	44610.00	17590
Total	3110317.00	858117.00
SCHEDULE - 13 ESTABLISHMENT EXPENSES	Current Year 31.03.2014	Previous Year 31.03.2013
Basic Salary	6536290.00	8029807
Dearness Allowance	6009726.00	0
Special Allowance	135732.00	0
H.R.A.	1263860.00	0
Medical Allowance	55127.00	0
C.T.A.	190837.00	262983
Medical Reimbursement	66117.00	30051
Over Time Expenses	66153.00	5200
NPS	544090.00	0
Honarium	4409279.00	0
Total	19277211.00	8328041.00
SCHEDULE - 14 ACADEMIC EXPENSES	Current Year 31.03.2014	Previous Year 31.03.2013
Convocation Expenses	2625095.00	0
Membership Fee	49000.00	0
Medals & Prizes	47208.00	0
Meeting Conference & Seminar	1316766.00	900672
Lab Expenses	82001.00	0
Total	4120070.00	900672.00



Md. Eqbal Hossain
Section Officer

Ravi Kant Diwakar
Budget & Accounts Officer

Bisesh
Finance Officer
Aryabhatta Knowledge University, Patna

[Signature]
Registrar
Aryabhatta Knowledge University, Patna

SCHEDULE - 15 ADMINISTRATIVE & GENERAL EXPENSES	Current Year 31.03.2014	Previous Year 31.03.2013
(a). Infrastructure		
Office Rent	5755182.00	4567140
Out Sources Salary	5198733.00	2824070
Electric and Power	232369.00	177316
	11186284.00 Dr	7568526.00 Dr
(b). Postage, Telephone and Internet Charges		
Telephone Expenses	377066.00	439691
Internet/ Web Designe Exp	655050.00	
Postage & Telegrame	175726.00	41223
	1207842.00 Dr	480914.00 Dr
(c). Audit & Professional Charges		
Audit Fee	50562.00	20964
Professional Charges	68988.00	0
Legal Charges	92714.00	16851
Remuneration to Resource Person	1120660.00	356410
	1332924.00 Dr	394225.00 Dr
(d). Other Office Expenses		
Advertisement Expenses	1358106.00	507630
Office Contingencies Expenses	888008.52	897226
Paper & Periodical	19846.00	15524
Printing & Stationary	2643096.00	2874599
Guest House Expenses	4500.00	0
Local Conveyance	49582.00	0
T.A./ D.A.	595354.00	77083
	5558492.52 Dr	4372062.00 Dr
e). Vechile Hiring/Running Charges		
Vechile Hiring Charges	3288689.00	2757668
Diesel, Petrol & Gas	341992.00	185445
	3630681.00 Dr	2943113.00 Dr
Total Administrative & General Expenses	22916223.52 Dr	15758840.00 Dr
SCHEDULE - 16 REPAIR & MAINTENANCE OF EQUIPMENT AND OTHER ASSETS	Current Year 31.03.2014	Previous Year 31.03.2013
A.C. Repair & Maintnance	474959.00	
Computer Maintence Etc.	192302.00	0
Electric Repair & Maintenance	89023.00	196462
Office Maintenance	174889.10	160236.9
Photo Copier Machine Repair & Main.	53995.00	
Vehicle Repair and Maintenance	158507.00	101101
PVC Flooring & Painting Expenses	227264.00	
	1370939.10	457799.90
SCHEDULE - 17 FINANCE COST	Current Year 31.03.2014	Previous Year 31.03.2013
Bank Charges	81518.00	33338.00
SCHEDULE - 18 EXAMINATION EXPENSES	Current Year 31.03.2014	Previous Year 31.03.2013
Evaluation Expenses	7028238.00	5671903
Examination Centre Expenses	7372260.00	2732291
Bank Safe Custody Expenses	595216.00	319800
Paper Setting Expenses	1689442.00	0.00
Examination Contigency Expenses	30709.00	53455
Re-Evaluation Expenses	383365.00	0.00
Re-Totalling Expenses	7000.00	0.00
	17106230.00	8777449.00



Md. Eqbar Ansan
Section Officer

Ravi Kaht Diwakar
Budget & Accounts Officer.

Finance Officer
Aryabhata Knowledge University, Patna

Registrar
Aryabhata Knowledge University, Patna

SCHEDULE - 19**CONSOLIDATED NOTES ON ACCOUNTS AND ACCOUNTING
POLICIES****ARAYBHATTA KNOWLEDGE UNIVERSITY, PATNA****NOTES TO THE ACCOUNTS FORMING PART OF BALANCE SHEET AS AT MARCH 31, 2014.****A. ACCOUNTING POLICIES**

1. The university is following mercantile system of accounting for recognizing income and expenses, except in case of admission fees and Grant-in-aid which are being accounted on cash basis.
2. Depreciation on fixed assets (if any) is being charged as per the rate of depreciation prescribed in the income tax act 1961.
3. Bank interest is being accounted on time proportion basis as specified in the Accounting standard- 9 issued by the Institute of chartered accountant of India.

B. NOTES OF ACCOUNTS

1. In the opinion of the university Management, the Current Assets, Loans & Advances have value on realization in the ordinary course of business, at least equal to the amount at which they are stated in the Balance Sheet.
2. The provision for expenses and for all know liabilities are adequate and not in excess of the amount reasonable necessary.
3. Previous year figures have been rearranged and regrouped wherever considered necessary to confirm the classification adopted for the current year.
4. Balances with banks are as per the actual transactions made in financial years and carrying same value as stated in bank statement as on 31st march 2014.
5. Fund specific notes of accounts is as follows:-

a) Endowment Fund**General Fund (as per last account Rs. 1,10,81,512/-)**

Out of the above (Rs. 1,10,81,512/-) a sum of Rs. 55,00,000/- in financial year 2011-12 and Rs. 50,00,000/- in financial year 2012-13 were received as Endowment deposits from the colleges (Refundable) however wrongly the same had been taken as income and transferred to the general fund account through Income and expenditure accounts of the respective years.

Now the same have been rectified and accordingly the proceeds have been transferred to endowment deposit accounts as on 31st march 2014.



b) UNIVERSITY MAIN ACCOUNT FUND**i) Capital work in progress: - 1,13,95,992/-**

The university has paid as advance Rs. 2.00 crores to M/S Bihar state education infrastructure Development Corporation limited for Building Construction; accordingly Rs. 1.1395 Crores has been booked as capital work in progress based on the Bihar treasury code-2011 (BIT Form 27 C) dated 20.12.2013 utilization account, however copy of bills not available with University.

ii) NPS

The university is not depositing the NPS amount with the Department due to non-availability of the approval from the finance department, Govt. of Bihar.

iii) VAT payable Rs. 1,02,754/-

The VAT payable is coming as payable as on 31st march 2014.

iv) Govt grant for building construction

Under this head Rs. 10.00 crores received from Government of Bihar for building construction for the university.

As per our report of even date

For G.Mandal & Co
Chartered Accountants

(Gopal Mandal)
Partner
Membership No. 072030

Place : Patna

Date :



(Md. Eqbal Ahsan)
Md. Eqbal Ahsan
Section Officer

(Ravi Kant Diwakar)
Ravi Kant Diwakar
Budget & Accounts Officer

(Birendra)
Finance Officer
Aryabhatta Knowledge University, Patna

(Registrar)
Registrar
Aryabhatta Knowledge University, Patna

5. UTILIZATION CERTIFICATE

BTC FORM - 42A
FORM FOR UTILIZATION CERTIFICATE
(See Rule 271)

Not Payable at treasury

Major Head -	Treasury Code -
Sub Major Head -	DDO Code -
Minor Head -	Bank Code -
Sub Head -	Bill Code -

UTILIZATION CERTIFICATE No / Bill No . Date-

OFFICE OF Aryabhatta Knowledge University MONTH OF March, 2014.

1. Certified that out of Rs 3,48,78,866/- of Grants-in aid sanctioned during the year 2013-14 in favour of Establishment & Other Expenses of Aryabhatta Knowledge University under this Ministry/Department letter no. given in the table below and Rs 9,59,00,191/- on account of unspent balance of the previous year, a sum of Rs 6,60,21,189/- has been utilized for the purpose for which it was sanctioned and that the balance of Rs 6,47,57,868/- remained unutilized at the end of the year 2013-14 will be adjusted towards the grants-in aid payable during the next financial year.

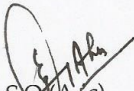
Kinds of checks exercised.

- iii. Cash Book
- iv. Ledger
- iii Audited Accounts

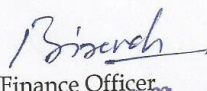
3. Particulars of Grants-in-aid:


Sl. No	Sanction letter No. and date	Name of the grantee	Purpose of the grant.	Amount of grants drawn	T.V. No. & date of drawal	Amount Utilized for the year 2013-14	Balance	Amount Surrendered (with letter no. & date)
1	2	3	4	5	6	7	8	9
1	15/M 1 - 28/13(HE) -764 दिनांक - 04.04.2013	AKU, Patna	Establishment & Other exp.	3,48,78,866/-	43/2013-14	6,60,21,189.00	6,47,57,868.00	Nil

Counter Signature by
Sanctioning AuthoritySignature & Designation of the competent authority
of the department sanctioning Grants-in aid


Md. Eaqbal Ahsan
Section Officer


B & A.O.
Ravi Kant Diwakar
Budget & Accounts Officer


Finance Officer
Finance Officer
Aryabhatta Knowledge University, Patna


Registrar
Registrar
Aryabhatta Knowledge University, Patna



15 SEP 2014

For G. MANDAL & CO.
Chartered Accountants

(Gopal Mandal)
Partner
M. No.-072030

BTC FORM - 42A
FORM FOR UTILIZATION CERTIFICATE
(See Rule 271)

Not Payable at treasury

Major Head -	Treasury Code -
Sub Major Head -	DDO Code -
Minor Head -	Bank Code -
Sub Head -	Bill Code -

UTILIZATION CERTIFICATE No / Bill No . Date-

OFFICE OF Aryabhatta Knowledge University MONTH OF March, 2014.

1. Certified that out of Rs 3,48,78,866/- of Grants-in aid sanctioned during the year 2013-14 in favour of Establishment & Other Expenses of Aryabhatta Knowledge University under this Ministry/Department letter no. given in the table below and Rs 9,59,00,191/- on account of unspent balance of the previous year, a sum of Rs 6,60,21,189/- has been utilized for the purpose for which it was sanctioned and that the balance of Rs 6,47,57,868/- remained unutilized at the end of the year 2013-14 will be adjusted towards the grants-in aid payable during the next financial year.

Kinds of checks exercised.

- iii. Cash Book
- iv. Ledger
- iii Audited Accounts

3. Particulars of Grants-in-aid:

Sl. No	Sanction letter No. and date	Name of the grantee	Purpose of the grant.	Amount of grants drawn	T.V. No. & date of drawal	Amount Utilized for the year 2013-14	Balance	Amount Surrendered (with letter no. & date)
1	2	3	4	5	6	7	8	9
1	15/M 1 - 28/13(HE) -764 दिनांक - 04.04.2013	AKU, Patna	Establishment & Other exp.	3,48,78,866/-	43/2013-14	6,60,21,189.00	6,47,57,868.00	Nil

Counter Singnature by
Sanctioning AuthoritySignature & Designation of the competent authority
of the department sanctioning Grants-in aid

S. O. A/c
Md. Eqbal Ansari
Section Officer

B. & A.O.
Ravi Kant Diwakar
Budget & Accounts Officer

Bisesh
Finance Officer
Finance Officer
Aryabhatta Knowledge University, Patna

Registrar
Registrar
Aryabhatta Knowledge University, Patna



15 SEP 2014

For G. MANDAL & CO.
Chartered Accountants

Gopal Mandal
(Gopal Mandal)
Partner

M. No.-072030