

The Annual Quality Assurance Report (AQAR) of the IQAC of Assam Don Bosco University (2017-18)

Part – A

Data of the Institution

1. **Name of the Institution:** *Assam Don Bosco University*
 - **Name of the Head of the institution:** *Fr. (Dr.) Stephen Mavely*
 - **Designation:** *Vice Chancellor*
 - **Does the institution function from own campus:** *Yes*
 - **Phone no./Alternate phone no.** *0361-213 9291 / 0361-284 1949*
 - **Mobile no.** *9476690950, 8011403982*
 - **Registered Email:** *mavely@dbuniversity.ac.in*
 - **Alternate Email:** *contact@dbuniversity.ac.in*
 - **Address:** *Tapesia Gardens, Kamarkuchi*
 - **City/Town:** *Sonapur*
 - **State/UT:** *Assam*
 - **Pin Code:** *782402*

2. Institutional status:

- **University: State/Central/Deemed/Private:** *Private*
- **Type of Institution:** *Co-education*
- **Location : Rural/Semi-urban/Urban:** *Semi-urban*
 - **Financial Status: Centrally funded/state funded/Private (please specify):**
Private
 - **Name of the IQAC Co-ordinator/Director:** *Bikramjit Goswami*
 - **Phone no. /Alternate phone no.:** *0361 213 9291*
 - **Mobile:** *9854072315*
 - **IQAC e-mail address:** *iqac@dbuniversity.ac.in*
 - **Alternate Email address:** *bikramjit.goswami@dbuniversity.ac.in*

3. Website address:

Web-link of the AQAR: (Previous Academic Year):

<http://dbuniversity.ac.in/pdfs/AQAR%202016-2017.pdf>

4. Whether Academic Calendar prepared during the year? *Yes.*

Whether it is uploaded in the Institutional website: *Yes.*

Weblink: *http://www.dbuniversity.ac.in/pdfs/Autumn_Calendar_2018.pdf*

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
<i>1st</i>	<i>B</i>	<i>2.20</i>	<i>2014</i>	<i>from 2014 to 2019</i>
<i>1st (Reassessment)</i>	<i>B+</i>	<i>2.56</i>	<i>2018</i>	<i>from 2018 to 2023</i>

6. Date of Establishment of IQAC: *04/06/2011*

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item / Title of the quality initiative by IQAC	Date & duration	Number of participants / beneficiaries
<i>Workshop on new assessment methodology of NAAC</i>	<i>5th July 2017 (1 day)</i>	<i>89</i>
<i>Dissemination of information regarding NAAC assessment process to the students, parents and alumni for their involvement in quality improvement aspects of the University</i>	<i>Started on 26th July 2017 (Duration: 10 months)</i>	<i>Total number of participants= 800 (approx.)</i>
<i>Faculty Development Programme on 'Case Based Learning Methodology for Business School' by Prof. Debapratim Purkayastha, Associate Dean, IBS Hyderabad</i>	<i>2nd September 2017 (1 day)</i>	<i>8</i>
<i>Applying for ISO certification for the Mechanical Workshop of the University</i>	<i>July to September 2017 (3 months)</i>	<i>14</i>
<i>Participated in NIRF 2017</i>	<i>October to December 2017 (3 months)</i>	<i>30</i>
<i>Preparation and Submission of AQAR to NAAC</i>	<i>September to December 2017 (4 months)</i>	<i>35</i>
<i>Submission of SSR to NAAC</i>	<i>23rd October 2017 (6 months)</i>	<i>105</i>
<i>Meeting of IQAC</i>	<i>3rd February 2018 (1 day)</i>	<i>23</i>
<i>Meeting of IQAC</i>	<i>9th May 2018 (1 day)</i>	<i>23</i>

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

Institution / Department / Faculty	Scheme	Funding agency	Year of award with duration	Amount

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

***upload latest notification of formation of IQAC:** <http://dbuniversity.ac.in/IQAC.php>

10. No. of IQAC meetings held during the year: *2.*

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website: *Yes.* (<http://dbuniversity.ac.in/NAAC.php>)

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

No

If yes, mention the amount:

Year:

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

** Involvement and significant contribution in the NAAC Reassessment Process of the University.*

** Improvement in the Innovation and Research Climate of the University.*

** Successful stimulation of creativity and lateral thinking among the faculty members and students of the University by organizing development programs with specific themes.*

** Adoption of Online Courses in the University course structures for both UG and PG levels.*

** Involvement in setting up of Eco-friendly campuses along with Solar Rooftop installation initiatives.*

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
<i>Apply for NBA (National Board of Accreditation) accreditation</i>	<i>Two departments of the School of Technology- Department of Computer Science and Engineering and Department of Civil Engineering are preparing to apply for NBA accreditation.</i>
<i>Define programme outcomes and programme educational objectives of courses</i>	<i>Programme outcomes and programme educational objectives of all the programmes of the University are finalized and published.</i>
<i>Research Capacity Building for all Faculty</i>	<i>Professional Development Allowance Fund has been utilized and research activities have been enhanced. Quality of research publication has improved.</i>
<i>Leadership and Management Training for Faculty</i>	<i>Two specific training programmes targeting leadership and management skill enhancement have been organized and successfully completed for all the faculty members of the University.</i>
<i>Building Career Paths and</i>	<i>Career guidance cell and continuing education cell of the</i>

<i>enhancing competencies of Research Scholars</i>	<i>University have organized a number of training programmes and lecture sessions for building career paths for the UG as well as PG students. Research scholars have been encouraged to publish their work in reputed journals, thereby enhancing their quality of research.</i>
<i>Student Development Programmes</i>	<i>Two student development programmes were organised during the academic year targeting at their personality development and character building. Value added learning has been the primary criteria for forming the agenda of student development programmes.</i>
<i>Implement programmes as advised by UGC and MHRD – —SWAYAM, Yoga Day, Swachhata Pakhwada</i>	<i>SWAYAM courses have been introduced for the masters level at the School of Technology in the course structure itself. Yoga day has been celebrated in the University. Large involvement of the students led by the extra-curricular clubs in Swachhata Pakhwada.</i>
<i>To assess the Plans of action submitted by the departments for the academic year 2016-2017 to the director of HR, and to require every department under the various School of the University to create a departmental Plan of Action for the academic year 2017-18 and submit to the director HR.</i>	<i>All the departments of the University submitted the Plans of Action to the Director, HR. Plans of action of the previous year had also been reviewed. Action taken reports were also analyzed at University level.</i>

14. Whether the AQAR was placed before statutory body? Yes.

Name of the statutory body: *Board of Management & Academic Council.*

Date of meeting(s): *7th July 2018.*

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to

Assess the functioning? *Yes. (The NAAC appointed peer team interacted with the members of IQAC).*

Date: *9th May, 2018.*

16. Whether institutional data submitted to AISHE: *Yes.*

17. Does the Institution have Management Information System? *Yes.*

If yes, give a brief description and a list of modules currently operational.

Assam Don Bosco University (ADBU) uses Enterprise resource planning (ERP), which is a business process management software, that allows the University to use a system of integrated applications to manage and automate all the activities with respect to Academic, Administrative and other tasks in the university. For Assam Don Bosco University, JILIT has been implementing the ERP since 2015.

Currently operational modules of the Management Information System are:

- 1. Admission and Counselling*
- 2. Student Information System*
- 3. Learning Management*
- 4. Examination Management*
- 5. Automated Online Examination – Online Test*
- 6. Admin Module – System Administration*
- 7. Employee Web Portal*
- 8. Facility Management*
- 9. Notice Board – e-Notice / e-Communication*
- 10. Student Feedback – Feedback / Reaction Survey*
- 11. Human Resources*
- 12. Fee Management*

Part-B

CRITERION I – CURRICULAR ASPECTS		
1.1 Curriculum Design and Development		
1.1.1 Programmes for which syllabus revision was carried out during the Academic year		
Name of programme	Programme Code	Dates of revision
<i>Master of Business Administration</i>	<i>MBA</i>	<i>01-Jul-17</i>
<i>Bachelor of Technology- Computer Science and Engineering</i>	<i>BTECH (CSE)</i>	<i>01-Jul-17</i>
<i>Bachelor of Technology- Electrical and Electronics Engineering</i>	<i>BTECH (EEE)</i>	<i>01-Jul-17</i>
<i>Bachelor of Technology- Mechanical Engineering</i>	<i>BTECH (MNE)</i>	<i>01-Jul-17</i>
<i>Bachelor of Technology- Civil Engineering</i>	<i>BTECH (CVE)</i>	<i>01-Jul-17</i>
<i>Master of Technology- Computer Science and Engineering</i>	<i>MTECH (CSE)</i>	<i>01-Jul-17</i>
<i>Master of Technology- Electrical and Electronics Engineering</i>	<i>MTECH (EEE)</i>	<i>01-Jul-17</i>
<i>Master of Technology- Electronics and Communication Engineering</i>	<i>MTECH (ECE)</i>	<i>01-Jul-17</i>
<i>Bachelor of Computer Applications</i>	<i>BCA</i>	<i>01-Jul-17</i>
<i>Master of Computer Applications</i>	<i>MCA</i>	<i>01-Jul-17</i>
<i>Master of Science</i>	<i>MSc Physics</i>	<i>01-Jul-17</i>
<i>Master of Science</i>	<i>MSc Biotechnology</i>	<i>01-Jul-17</i>
<i>Master of Science</i>	<i>MSc Biochemistry</i>	<i>01-Jul-17</i>
<i>Master of Science</i>	<i>MSc Microbiology</i>	<i>01-Jul-17</i>
<i>Master of Science</i>	<i>MSc Psychology</i>	<i>01-Jul-17</i>
<i>Master of Social Work</i>	<i>MSW</i>	<i>01-Jul-17</i>
<i>Bachelor of Commerce</i>	<i>BCOM</i>	<i>01-Jul-17</i>
<i>Master of Arts</i>	<i>MA Education</i>	<i>01-Jul-17</i>
<i>Bachelor of Technology- Mechanical Engineering</i>	<i>BTECH (MNE)</i>	<i>16-Dec-17</i>
<i>Bachelor of Technology- Electronics and Communication Engineering</i>	<i>BTECH (ECE)</i>	<i>16-Dec-17</i>
<i>Bachelor of Technology- Electrical and Electronics Engineering</i>	<i>BTECH (EEE)</i>	<i>16-Dec-17</i>
<i>Bachelor of Arts</i>	<i>BA Mass Communication</i>	<i>16-Dec-17</i>
<i>Bachelor of Arts</i>	<i>BA Education</i>	<i>16-Dec-17</i>

<i>Bachelor of Arts</i>	<i>BA English</i>	<i>16-Dec-17</i>
<i>Master of Arts</i>	<i>MA Education</i>	<i>16-Dec-17</i>
<i>Bachelor of Computer Applications</i>	<i>BCA</i>	<i>16-Dec-17</i>
<i>Master of Computer Applications</i>	<i>MCA</i>	<i>16-Dec-17</i>
<i>Master of Science</i>	<i>MSc Biochemistry</i>	<i>16-Dec-17</i>
<i>Master of Science</i>	<i>MSc Zoology</i>	<i>16-Dec-17</i>
<i>Master of Science</i>	<i>MSc Chemistry</i>	<i>16-Dec-17</i>

1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year:

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
<i>Psychology and Counselling (B.A. Psychology)</i>	<i>10-09-2012</i>	<i>Personal Growth (PCPG0107)</i>	<i>10-08-2017</i>
<i>Mass Communication (B.A. Mass Communication)</i>	<i>01-08-2017</i>	<i>Professional Communication (MCPC0105)</i>	<i>01-08-2017</i>
<i>Mass Communication (B.A. Mass Communication)</i>	<i>01-08-2017</i>	<i>Community Radio (MCCR0102)</i>	<i>17-01-2018</i>
<i>Mass Communication (B.A. Mass Communication)</i>	<i>01-08-2017</i>	<i>Traditional Media (MCTM0104)</i>	<i>17-01-2018</i>
<i>Mass Communication (B.A. Mass Communication)</i>	<i>01-08-2017</i>	<i>Digital Journalism (MCDJ0023)</i>	<i>01-08-2017</i>
<i>Mass Communication (B.A. Mass Communication)</i>	<i>01-08-2017</i>	<i>Advertising and e-Marketing (MCAM0019)</i>	<i>17-01-2018</i>
<i>Mass Communication (B.A. Mass Communication)</i>	<i>01-08-2017</i>	<i>Portfolio (MCPO6012)</i>	<i>17-01-2018</i>
<i>Mass Communication (B.A. Mass Communication)</i>	<i>01-08-2017</i>	<i>Desktop Publishing I (MCDT0106)</i>	<i>17-01-2018</i>
<i>Master of Social Work (MSW)</i>	<i>01-08-2011</i>	<i>Project Cycle Management and Resource Mobilisation (SWPR0029)</i>	<i>21-01-2018</i>

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme/Course	Date of introduction
<i>Master of Business Administration (MBA) / Tourism and Hospitality Management</i>	<i>01-Jul-17</i>
<i>Master of Business Administration (MBA) / Product and</i>	<i>16-Dec-17</i>

<i>Brand Management</i>	
<i>Bachelor of Arts (BA) / BA English</i>	<i>01-Jul-17</i>
<i>Bachelor of Arts (BA) / BA Education</i>	<i>01-Jul-17</i>
<i>Bachelor of Arts (BA) / BA Mass Communication</i>	<i>01-Jul-17</i>
<i>Bachelor of Arts (BA) / BA Psychology</i>	<i>01-Jul-17</i>
<i>Master of Science (MSc) / MSc Chemistry</i>	<i>01-Jul-17</i>
<i>Master of Science (MSc) / MSc Zoology</i>	<i>01-Jul-17</i>

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
<i>Master of Business Administration (MBA) / Tourism and Hospitality Management</i>		<i>PG</i>	<i>01 July 2017</i>		<i>PG</i>
<i>Master of Business Administration (MBA) / Product and Brand Management</i>		<i>PG</i>	<i>16 December 2017</i>		<i>PG</i>
<i>Bachelor of Arts (BA) / BA English</i>	<i>UG</i>		<i>01 July 2017</i>	<i>UG</i>	
<i>Bachelor of Arts (BA) / BA Education</i>	<i>UG</i>		<i>01 July 2017</i>	<i>UG</i>	
<i>Bachelor of Arts (BA) / BA Mass Communication</i>	<i>UG</i>		<i>01 July 2017</i>	<i>UG</i>	
<i>Bachelor of Arts (BA) / BA Psychology</i>	<i>UG</i>		<i>01 July 2017</i>	<i>UG</i>	
<i>Master of Science (MSc) / MSc Chemistry</i>		<i>PG</i>	<i>01 July 2017</i>		<i>PG</i>
<i>Master of Science (MSc) / MSc Zoology</i>		<i>PG</i>	<i>01 July 2017</i>		<i>PG</i>

For all the existing programmes of the University, CBCS has been implemented since 2008.

1.3 Curriculum Enrichment		
1.3.1 Value-added courses imparting transferable and life skills offered during the year		
Value added courses	Date of introduction	Number of students enrolled
<i>Personal Growth (PCPG0107)</i>	<i>10 August 2017</i>	<i>36</i>
<i>Functional English (LSFN0012)</i>	<i>25 August 2017</i>	<i>65</i>
<i>Creative Writing in English (LSCW0013)</i>	<i>15 January 2018</i>	<i>30</i>
<i>Swayam Courses: An introduction to Information Technology (ECSW0001)</i>	<i>1 July 2017</i>	<i>1</i>
<i>Design of photovoltaic system (ECSW0002)</i>	<i>1 July 2017</i>	<i>1</i>
<i>Swayam Course: Hardware modeling using Verilog (ECSW0003)</i>	<i>1 July 2017</i>	<i>1</i>
<i>Swayam Course: Introduction to Matlab Programming (ECSW0004)</i>	<i>1 July 2017</i>	<i>3</i>
<i>Swayam Course: Introduction to Time-Frequency Analysis and Wavelet Transforms (ECSW0005)</i>	<i>1 July 2017</i>	<i>2</i>
<i>Android Application Development Fundamentals</i>	<i>1 July 2017</i>	<i>39</i>
<i>Introduction to Internet of Things</i>	<i>1 July 2017</i>	<i>18</i>
<i>Introduction to MATLAB Programming</i>	<i>1 July 2017</i>	<i>18</i>
<i>Traffic Engineering and Management</i>	<i>15 May 2018</i>	<i>56</i>

1.3.2 Field Projects / Internships under taken during the year	
Project/Programme Title	No. of students enrolled for Field Projects / Internships
<i>Concurrent fieldwork/ MSW</i>	<i>66</i>
<i>Continuous fieldwork/ MSW</i>	<i>57</i>
<i>Students Exchange programme/ MSW</i>	<i>12</i>
<i>Block placement/ MSW</i>	<i>57</i>
<i>Summer Training/ BTECH-CVE</i>	<i>61</i>
<i>Summer Training/ BTECH-CSE</i>	<i>52</i>
<i>Summer Training/ BTECH-EEE</i>	<i>31</i>
<i>Summer Training/ BTECH-ECE</i>	<i>12</i>
<i>Summer Training/ BTECH-MNE</i>	<i>60</i>
<i>Field work / MSc Psychology</i>	<i>21</i>
<i>Field work / MSc Psychology</i>	<i>20</i>
<i>Supervised Internship/ MSc Psychology</i>	<i>20</i>
<i>Summer Internship/ MSc Psychology</i>	<i>21</i>
<i>Study Tour/ MSc Psychology</i>	<i>20</i>
<i>Critical Assessment of Bridge Pier Scour Predictors/ BTECH-</i>	<i>5</i>

<i>CVE</i>	
<i>Construction of Sewage Treatment Plant/ BTECH-CVE</i>	<i>1</i>
<i>Preparation of Detailed Project Reportin of Nohron Minor Flow Irrigation Project in East Khasi Hills District at Water Resources Development/ BTECH-CVE</i>	<i>3</i>
<i>Construction of Flexible pavements/ BTECH-CVE</i>	<i>1</i>
<i>Observation and Evaluation of Civil Maintanance Work at IOCL , Guwahati/ BTECH-CVE</i>	<i>2</i>
<i>Construction of Retail Outlet Pumps,Indian Oil, West Bengal/ BTECH-CVE</i>	<i>1</i>
<i>Road construction using water bound Macadam and report on State Chaplain's Residence/ BTECH-CVE</i>	<i>13</i>
<i>Drilling and Construction in ONGC</i>	<i>5</i>
<i>Internship in National Hydroelectric Power Corporation Ltd on Construction of Gravity Dam in Lower Subansiri river of 2000MW/ BTECH-CVE</i>	<i>6</i>
<i>Building Construction at PWD(Building) / BTECH-CVE</i>	<i>3</i>
<i>Internship in G+11 High Rise Luxury apartment in Trivandrum/ BTECH-CVE</i>	<i>1</i>
<i>Analysis and design of Multistoreyed building Seismic Prone Area using SAP 2000/ BTECH-CVE</i>	<i>3</i>
<i>Effect of Lead Removal by Using Water Hyacinth roots/ BTECH-CVE</i>	<i>3</i>
<i>Building Construction and Preparation of Master plan for Proposed Sports Complex at Bokakhat under Srishtie Construction, Guwahati/ BTECH-CVE</i>	<i>1</i>
<i>Building construction/ BTECH-CVE</i>	<i>1</i>
<i>Internship on Various Building construction works UnderCPWD(NEZ), Shillong, Meghalaya/ BTECH-CVE</i>	<i>10</i>
<i>Internship on Rehabilitation of State Highway-12 (PWD Goalpara Rural Road Subdivision) / BTECH-CVE</i>	<i>1</i>
<i>Internship on Tourism Resort Projects under Meghalaya Tourism Development Corporation Ltd/ BTECH-CVE</i>	<i>1</i>
<i>File Tracking System/ BTECH-CSE</i>	<i>6</i>
<i>The System Design for IOT Application & Raspberry pi/ BTECH-CSE</i>	<i>13</i>
<i>Core Java/ BTECH-CSE</i>	<i>5</i>
<i>Backend development for E-commerce website/ BTECH-CSE</i>	<i>1</i>
<i>Spectral Signature based Classification using Multispectral RS Data/ BTECH-CSE</i>	<i>1</i>
<i>Classification of Multispectral RS Data using Rotation Forest Algorithm/ BTECH-CSE</i>	<i>1</i>
<i>Hyperspectral Spectroradiometer Data Processing and Analysis/ BTECH-CSE</i>	<i>1</i>

<i>Classification of UAV image using support vector machines/ BTECH-CSE</i>	1
<i>Classification of Multispectral UAV data using Neural Network & Development of a Desktop Application for Analysis of Hyperspectral Spectroradiometer Satellite Data/ BTECH-CSE</i>	1
<i>Mobile application Development/ BTECH-CSE</i>	2
<i>Bike Rental Platform/ BTECH-CSE</i>	1
<i>Web vulnerability scanner/ BTECH-CSE</i>	1
<i>A Study on BSNL Wired & Wireless Networking Technologies/ BTECH-CSE</i>	1
<i>A Study on Wired & Wireless Networking and its Security at NRL/ BTECH-CSE</i>	3
<i>Backend development for E-commerce website/ BTECH-CSE</i>	1
<i>Database Management and Maintenance/ BTECH-CSE</i>	1
<i>IOT and Android Applications Development/ BTECH-CSE</i>	5
<i>Mobile application Development/ BTECH-CSE</i>	2
<i>Feasibility study of launch of an app based pork ordering system,Arohan Foods/ MBA</i>	1
<i>Research study on marketing segmentation in Banalari World Cars, Shillong,Banalari World Cars/ MBA</i>	1
<i>Employee satisfaction and consumer behaviour in Banalari World Cars, Shillong,Banalari World Cars/ MBA</i>	1
<i>Consumer satisfaction in Banalari World Cars, Shillong,Banalari World Cars/ MBA</i>	1
<i>Sales planning and analysis at Banalari world cars, Shillong,Banalari World Cars/ MBA</i>	1
<i>A research study on recruitment and selection of Banlari World Cars,Banalari World Cars/ MBA</i>	1
<i>Effectiveness of training and development at Bethany hospital, Shillong/ MBA</i>	1
<i>Study on employee welfare at Bethany hospital, Shillong/ MBA</i>	1
<i>A study on organization culture in Bethany hospital, Shillong/ MBA</i>	1
<i>A study on the level of commitment among employees of Bethany Hospital, Shillong/ MBA</i>	1
<i>To find out the level of occupational stress of the workers of Bethany Hospital, Shillong/ MBA</i>	1
<i>Customer satisfaction on service quality using RSQS model at Big Bazaar, Guwahati/ MBA</i>	1
<i>A study on Customer experience in Big Bazaar, Guwahati/ MBA</i>	1
<i>Company's sales analysis and customer satisfaction at Classic Grande the classic group of hotels, Imphal/ MBA</i>	1

<i>Preference of tourist destinations for people of Guwahati at Exotic holidays and events/ MBA</i>	<i>1</i>
<i>Database management updation and verification of Highway Delite/ MBA</i>	<i>1</i>
<i>Market research of business units for Highway delite/ MBA</i>	<i>1</i>
<i>Mapping of highway routes with Highway Delite in terms of product and service availability/ MBA</i>	<i>1</i>
<i>A study on Content management of Highway delite app/ MBA</i>	<i>1</i>
<i>Mutual Fund Simplified- Awareness and attitude on mutual funds for ICICI DIRECT CUSTOMERS/ MBA</i>	<i>1</i>
<i>A study on employees job satisfaction of Marwari Maternity Hospital & Research Centre</i>	<i>1</i>
<i>A study on the training process for the employees of MASSS(Maintenance and Security Service Solutions) / MBA</i>	<i>1</i>
<i>A study on the job satisfaction of the employees of MASSS(Maintenance and Security Service Solutions) / MBA</i>	<i>1</i>
<i>Selection and recruitment process at MASSS (Maintenance and Security Service Solutions) / MBA</i>	<i>1</i>
<i>A study on the different job roles of different departments of MASSS (Maintenance and Security Service Solutions) / MBA</i>	<i>1</i>
<i>A study of project financing and working capital management of NEEPCO/ MBA</i>	<i>1</i>
<i>A study on Customer Satisfaction at Pantaloons Retail Store, Shillong/ MBA</i>	<i>1</i>
<i>Customer satisfaction and after sales service at Rani Motors, Shillong/ MBA</i>	<i>1</i>
<i>Organisational culture- Employee loyalty at Rani Motors, Shillong/ MBA</i>	<i>1</i>
<i>Customer satisfaction on dealer companies in Shillong- Rani Motors, Shillong/ MBA</i>	<i>1</i>
<i>Understanding shopper behaviour and evaluation of customer experience at select stores of Reliance Retail/ MBA</i>	<i>1</i>
<i>Understanding shopper behaviour and evaluation of customer experience at select stores of Reliance Retail/ MBA</i>	<i>1</i>
<i>Understanding shopper behaviour and evaluation of customer experience at select stores of Reliance Retail/ MBA</i>	<i>1</i>
<i>Understanding shopper behaviour and evaluation of customer experience at select stores of Reliance Retail/ MBA</i>	<i>1</i>
<i>A study on Customer Satisfaction and the effects of store environment at Reliance trends, Guwahati/ MBA</i>	<i>1</i>
<i>Consumer Behavior and changing preference of beverages/ MBA</i>	<i>1</i>

1.4 Feedback System				
1.4.1 Whether structured feedback received from all the stakeholders.				
1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution?

Feedback is obtained regularly from the students, faculty members, employers, alumni and parents of Assam Don Bosco University. The detailed process and action taken are described in brief in the following.

Feedback from Students:

Every semester, all the students of the University provide feedback regarding the courses taught, through an online system. The student feedback is compiled in individual reports by the department of Human Resources and shared with each faculty member in one-on-one meetings. The student feedback report prepared from the online feedback system highlights the strengths and areas of improvement for each faculty member. Also ratings are given by students on different identified and weighted criteria of the teaching-learning processes.

Special feedback session for the final year students is conducted at the end of every academic year. In this process, students give suggestions on various aspects of teaching-learning and curriculum design, based on their experience over the years spent at the University. Based on the feedback, necessary action is taken by the University administration.

Feedback from Faculty members:

Each faculty of the University provides feedback on updation/modification of syllabus taught by him/her and forwards it to the respective HoD (Head of Department). The Board of Studies (BoS) for each department conducts the annual meeting, wherein the feedback given by the subject teachers are presented to the board for consideration. Based on the recommendations of the BoS, discussions are done in the Academic Council meeting for the required modifications in Curriculum as well as Teaching-Learning processes.

The faculty members also give feedback regarding the respective Heads of the departments in specified format online every year. A detailed analysis of this feedback is done by the department of HR and shared with the HODs in one-on-one meetings.

Feedback from Employers:

Feedback regarding the performance of students is taken from the employers during campus recruitment processes, by the Training and Placement department of the University. These feedback reports are taken into consideration for designing/modifying contents of the training activities for the students.

Employers' feedback reports are also referred to while updating the syllabi during the Board of Studies meetings of the departments.

Feedback from Alumni:

Alumni of the University play a major role in providing feedback of the various processes of the University. The vision, mission and PEOs (Program Educational Objectives) of each department had been sent to alumni. Based on the suggestions provided by the alumni, the vision, mission and Programme Educational Objectives (PEOs) of the departments have been modified.

Feedback from Parents:

Every year annual Parents-Teachers Meet is organized. During the interaction of parents with the respective mentors, teachers and also with the college management, feedback on various issues are obtained. Parents are encouraged to suggest changes in the processes of the University for overall quality improvement. Various actions are taken by the management based on this feedback.

Criterion II- Teaching-Learning and Evaluation			
2.1 Student Enrolment and Profile			
2.1. 1 Demand Ratio during the year			
Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
<i>BA Philosophy</i>	60	27	27
<i>BA Education</i>	60	14	10
<i>BA English</i>	60	89	49
<i>BA Mass Communication</i>	60	34	24
<i>BA Psychology</i>	60	77	48
<i>Bachelor of Commerce</i>	60	91	71
<i>BCA</i>	60	85	60
<i>BTech -Civil Engineering</i>	60	154	70
<i>BTECH-Computer Science and Engineering</i>	60	133	60
<i>BTECH-Electrical and Electronics Engineering</i>	60	56	25
<i>BTECH-Electronics and Communication Engineering</i>	60	32	15
<i>BTECH-Mechanical Engineering</i>	60	69	26
<i>MA Education</i>	40	32	12
<i>Master of Computer Application</i>	60	59	37
<i>Master of Social Work</i>	60	126	69
<i>MSC Biochemistry</i>	30	9	3
<i>MSC Biotechnology</i>	30	30	15
<i>MSC Chemistry</i>	40	64	35
<i>MSC Microbiology</i>	30	53	22
<i>MSC Zoology</i>	30	104	43
<i>MSC-Physics</i>	40	37	14
<i>MSC-Psychology</i>	40	44	23
<i>MTECH-Civil Engineering</i>	24	20	15
<i>MTECH-Computer Science and Engineering</i>	24	16	6
<i>MTECH-Electrical and Electronics Engineering</i>	24	9	1
<i>MTECH-Electronics and Communication Engineering</i>	24	12	5
<i>PHD- Chemistry</i>	-	8	1
<i>PHD- Mathematics</i>	-	6	1
<i>PHD- Biochemistry</i>	-	4	1
<i>PHD- Biotechnology</i>	-	13	7
<i>PHD- Civil Engineering</i>	-	8	3
<i>PHD- Computer Science and Engineering</i>	-	22	3
<i>PHD- Electrical and Electronics Engineering</i>	-	2	0
<i>PHD- Electronics and Communication Engineering</i>	-	6	1
<i>PHD- Management</i>	-	57	1

<i>PHD- Microbiology</i>	-	7	2
<i>PHD- Physics</i>	-	5	1
<i>PHD- Zoology</i>	-	5	1
<i>PHD- Education</i>	-	20	4
<i>PHD- Mass Communication</i>	-	11	1
<i>PHD- Social Work</i>	-	34	3
<i>MBA</i>	60	80	41
Total		1764	856

2.2 Catering to Student Diversity

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

Year	Number of students Enrolled in the institution (UG)	Number of students Enrolled in the institution (PG)	Number of full time Teachers available in the institution teaching only UG courses	Number of fulltime Teachers available in the institution teaching only PG courses	Number of teachers Teaching both UG And PG courses
2017-18	1250	583	33	58	55

2.3 Teaching-Learning Process

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

Number of teachers on roll	Number of teachers using ICT(LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources And techniques used
146	146	LCD, internet, intranet, bioinformatics lab, NPTEL materials, SWAYAM materials	63	0	Bioinformatics, internet, NPTEL, SWAYAM, Spoken Tutorials, MOOCS

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

Every Undergraduate and Postgraduate student of the University is assigned a faculty mentor by the Mentoring committees. The faculty mentor acts as an advisor to the student for all his/her professional and personal developmental needs. Meeting with the mentors is also kept as a routine affair, mentioned in the academic calendar, apart from the need-based meetings. The mentors keep records of attendance

of the mentees, performance of the mentees in examinations, participation of mentees in events in and outside the University. Also the mentors keep a file of each mentee and update it regularly. The mentors are the primarily responsible persons for preparing the proficiency certificates for each graduating student mentee, which bears the testimony of the student's participation and performance in various activities in and outside the University, while in the course of study. Mentors also act as a point of contact between the teachers and the parents. During parents interaction meet, the mentors discuss about the performance and progress of the mentees with their parents.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
1833	146	1:12.5

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
234	231 (total number of faculty)	3	39	134

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

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Mr. Arup Baruah	Assistant Professor	NET qualified
2017	Dr. Sarat Kumar Chettri	Assistant Professor	Awarded PHD degree
2017	Dr. Saugata Purkayastha	Assistant Professor	Pursued Research work at Indian Statistical Institute, Kolkata under the fellowship Fast-SF, 2017 offered by Indian Academy of Sciences. (56 day course, May 2017 to July 2017)

2018	<i>Dr. Gypsy Nandi</i>	<i>Assistant Professor</i>	<i>Awarded PHD degree</i>
2018	<i>Dr. Jhimli Kumari Das</i>	<i>Assistant Professor</i>	<i>Awarded PHD degree</i>
2018	<i>Pranjal Sarma</i>	<i>Assistant Professor</i>	<i>Best Poster Award Research Conclave'18, IIT Guwahati</i>

2.5 Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year-end examination
<i>Masters in Business Administration</i>	<i>MBA</i>	<i>2018</i>	<i>12/04/2018</i>	<i>27/04/2018</i>
<i>Bachelor of Technology</i>	<i>B Tech</i>	<i>Autumn 2017</i>	<i>09/12/2017</i>	<i>11/01/2018</i>
<i>Bachelor of Technology</i>	<i>B Tech</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Master of Technology</i>	<i>M Tech</i>	<i>Autumn 2017</i>	<i>09/12/2017</i>	<i>11/01/2018</i>
<i>Master of Technology</i>	<i>M Tech</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Master of Computer Applications</i>	<i>MCA</i>	<i>Autumn 2017</i>	<i>09/12/2017</i>	<i>11/01/2018</i>
<i>Master of Computer Applications</i>	<i>MCA</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Bachelor of Computer Applications</i>	<i>BCA</i>	<i>Autumn 2017</i>	<i>09/12/2017</i>	<i>11/01/2018</i>
<i>Bachelor of Computer Applications</i>	<i>BCA</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Bachelor of Commerce</i>	<i>BCom</i>	<i>Autumn 2017</i>	<i>09/12/2017</i>	<i>11/01/2018</i>
<i>Bachelor of Commerce</i>	<i>BCom</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Master of Commerce</i>	<i>MCom</i>	<i>Autumn 2017</i>	<i>09/12/2017</i>	<i>11/01/2018</i>
<i>Master of Commerce</i>	<i>MCom</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Master of Social Work</i>	<i>MSW</i>	<i>Autumn 2017</i>	<i>08/12/2017</i>	<i>11/01/2018</i>

<i>Master of Social Work</i>	<i>MSW</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Master of Science (Psychology) 1st Semester</i>	<i>MSc. Psychology</i>	<i>Autumn 2017</i>	<i>16/12/2017</i>	<i>11/01/2018</i>
<i>Master of Science (Psychology) 3rd Semester</i>	<i>MSc. Psychology</i>	<i>Autumn 2017</i>	<i>08/12/2017</i>	<i>11/01/2018</i>
<i>Master of Science (Psychology) 2nd Semester</i>	<i>MSc. Psychology</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Master of Science (Psychology) 4th Semester</i>	<i>MSc. Psychology</i>	<i>Spring 2018</i>	<i>04/06/2018</i>	<i>30/06/2018</i>
<i>Master of Arts (Education)</i>	<i>MA Education</i>	<i>Autumn 2017</i>	<i>16/12/2017</i>	<i>11/01/2018</i>
<i>Master of Arts (Education)</i>	<i>MA Education</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Master of Arts (Human Rights)</i>	<i>MA Human Rights</i>	<i>Autumn 2017</i>	<i>16/12/2017</i>	<i>11/01/2018</i>
<i>Master of Arts (Human Rights)</i>	<i>MA Human Rights</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Master of Arts (Mass Communication)</i>	<i>MA Human Rights</i>	<i>Autumn 2017</i>	<i>16/12/2017</i>	<i>11/01/2018</i>
<i>Master of Arts (Mass Communication)</i>	<i>MA Human Rights</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Master of Science (Physics)</i>	<i>MSc. Physics</i>	<i>Autumn 2017</i>	<i>16/12/2017</i>	<i>11/01/2018</i>
<i>Master of Science (Physics)</i>	<i>MSc. Physics</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Master of Science (Microbiology)</i>	<i>MSc. Microbiology</i>	<i>Autumn 2017</i>	<i>16/12/2017</i>	<i>11/01/2018</i>
<i>Master of Science (Microbiology)</i>	<i>MSc. Microbiology</i>	<i>Spring 2018</i>	<i>02/06/2018</i>	<i>30/06/2018</i>
<i>Master of Science</i>	<i>MSc.</i>	<i>Autumn 2017</i>	<i>16/12/2017</i>	<i>11/01/2018</i>

(Biochemistry)	Biochemistry			
Master of Science (Biochemistry)	MSc. Biochemistry	Spring 2018	02/06/2018	30/06/2018
Master of Science (Biotechnology)	MSc. Biotechnology	Autumn 2017	16/12/2017	11/01/2018
Master of Science (Biotechnology)	MSc. Biotechnology	Spring 2018	02/06/2018	30/06/2018

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year (*Do not include re-evaluation/ re-totalling)

Number of complaints or grievances about the evaluation	Total number of students appeared in the examination	Percentage
47	3574	0.013%

2.6 Student Performance and Learning Outcomes

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

Program Educational Objectives and Course Outcomes for all the programmes of the University are stated and displayed. They are also accessible to all the faculty and students through the University ERP system. The link of the Program Educational Objectives and Course Outcomes is-

http://erp.dbuniversity.ac.in/adbu_erp/downloads/student_downloads/

2.6.2 Pass percentage of students

Programme	Programme Name	Branch	No. of Students appeared in the final year examination	No. of students passed in final semester/year examination	Pass Percentage
B. Tech	Bachelor of Technology	CSE	40	39	87.5
		EEE	21	21	100
		ECE	13	13	100
		CVE	65	65	100
		MNE	52	52	100
BCA	Bachelor of Computer Applications		32	30	88
MCA	Master of Computer Applications		18	18	100

<i>M. Tech</i>	<i>Master of Technology</i>	<i>CSE</i>	9	8	88.88
		<i>CVE</i>	14	13	92.85
		<i>ECE</i>	4	4	100
		<i>EEE</i>	6	6	100
<i>MSW</i>	<i>Master of Social Work</i>		57	57	100
<i>MSc. Psy.</i>	<i>Master of Science in Psychology</i>		20	20	100
<i>MA Edu</i>	<i>Master of Arts in Education</i>		9	9	100
<i>MBA</i>	<i>Master of Business Administration</i>		36	36	100
<i>MSc. Phys</i>	<i>Master of Science in Physics</i>		20	20	100
<i>MSc. Microbiology</i>	<i>Master of Science in Microbiology</i>		19	19	100
<i>MSc. Biochemistry</i>	<i>Master of Science in Biochemistry</i>		2	2	100
<i>Msc. Biotechnology</i>	<i>Master of Science in Biotechnology</i>		5	5	100
<i>MA Mass Communication</i>	<i>Master of Arts in Communication</i>		7	7	100

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance:

Institution designed the questionnaire and uploaded the results of the previous student satisfaction survey. The details are provided as the following weblink:

<https://drive.google.com/open?id=0B6BdffGT59ZnZklUTlJ1S2RtdHVfOXDzaWJTN0c1bEdnYkE0>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION**3.1 Promotion of Research and Facilities****3.1.1 Teachers awarded National/International fellowship for advanced studies/ research during the year**

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
<i>National</i>	<i>Dr. Saugata Purkayastha</i>	<i>Fast-SF</i>	<i>July 2017</i>	<i>Indian Academy of Sciences</i>
<i>International</i>				

3.1.2 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of fellowship	Funding agency
<i>Studies on nitriding of tungsten under ITER Divertor like plasmas</i>	<i>2 years</i>	<i>BRNS, Mumbai</i>

3.2 Resource Mobilization for Research**3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations**

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major Projects	<i>2 years</i>	<i>BRNS, Mumbai</i>	<i>Rs. 16,68,000</i>	<i>Rs. 8,75,875</i>
	<i>3 years</i>	<i>Biotechnology Industry Research Assistance Council, Govt. of India</i>	<i>Rs. 48,75,000</i>	
	<i>3 years</i>	<i>Assam Science Technology & Environment Council (ASTEAC), Govt. of Assam</i>	<i>Rs. 2,00,000</i>	
	<i>2 years</i>	<i>Assam Science Technology & Environment Council (ASTEAC), Govt. of Assam</i>	<i>Rs. 5,99,100</i>	
	<i>1 year</i>	<i>The Wildlife Conservation Trust (WCT)</i>	<i>Rs. 3,93,800</i>	
Minor Projects	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTEAC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTEAC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTEAC), Govt. of Assam</i>	<i>Rs. 10,000</i>	

	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	

	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
	<i>1 year</i>	<i>Assam Science Technology & Environment Council (ASTECC), Govt. of Assam</i>	<i>Rs. 10,000</i>	
Interdisciplinary Projects				
Industry sponsored Projects				
Projects sponsored by the University				
Students Research Projects (other than compulsory by the University)				
International Projects				
Any other (specify)				
Total			<i>Rs. 79,75,900</i>	<i>Rs. 8,75,875</i>

3.3 Innovation Ecosystem		
3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year		
Title of Workshop/Seminar	Name of the Dept.	Date(s)
<i>Recent trends in nanosciences</i>	<i>Life Science</i>	<i>9 February 2018</i>
<i>National Conference on Emerging Trends in the Area of Biosciences (NC-ETAB-2018)</i>	<i>Life Science</i>	<i>9 April 2018</i>
<i>Case based learning methodology for Business Schools</i>	<i>MBA</i>	<i>2 September 2018</i>

<i>National Seminar cum workshop on Mental Health and Social Work practice</i>	<i>MSW</i>	<i>28 April 2018</i>
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3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year <i>NIL</i>				
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year		
Incubation Centre	Name	Sponsored by
Name of the Start-up	Nature of the Start-up	Date of Commencement
<i>Anisoft Media</i>	<i>IT Enabled Service</i>	<i>2017</i>
<i>Globinno</i>	<i>Engineering Solutions</i>	<i>2017</i>

3.4 Research Publications and Awards	
3.4.1 Ph.Ds awarded during the year	
Name of the Department	No. of Ph.Ds Awarded
<i>Department of CSE & IT</i>	<i>2</i>
<i>Department of ECE</i>	<i>2</i>
<i>Department of Life Sciences (bio-technology)</i>	<i>1</i>
<i>Department of Northeast India Studies</i>	<i>3</i>
<i>Department of Social Work</i>	<i>3</i>
<i>Department of Comparative Religion</i>	<i>1</i>

3.4.2 Research Publications in the Journals notified on UGC website during the year			
	Department	No. of Publications	Average Impact factor if any
National	<i>Computer Science and Engineering (CSE)</i>	<i>1</i>	
	<i>Electronics and Communication Engineering (ECE)</i>	<i>1</i>	
International	<i>Electrical and Electronics Engineering (EEE)</i>	<i>7</i>	<i>2.1955</i>
	<i>Electronics and Communication Engineering (ECE)</i>	<i>11</i>	<i>2.3323</i>
	<i>Computer Science and Engineering (CSE)</i>	<i>8</i>	<i>1.209</i>
	<i>Civil Engineering (CVE)</i>	<i>1</i>	<i>1.543</i>
	<i>Life Sciences</i>	<i>8</i>	<i>2.6124</i>
	<i>Basic Sciences</i>	<i>13</i>	<i>1.7065</i>

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year	
Department	No. of Publications (Total)
<i>Computer Science and Engineering (CSE)</i>	14
<i>Electrical and Electronics Engineering (EEE)</i>	5
<i>Mechanical Engineering (MNE)</i>	5
<i>Electrical and Electronics Engineering (EEE)</i>	5

3.4.4 Patents published/awarded during the year <i>NIL</i>			
Patent Details	Patent status Published/Field	Patent Number	Date of Award

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index						
Title of the paper	Name of the author	Title of the Journal	Year of publication	Citation index	Institutional affiliation as mentioned in the publication	Number of citation excluding self-citations
<i>A Score-Level Solution to Speaker Verification Using UBM Pooling and Adaptive Cohort Selection</i>	<i>P Das</i>	<i>Advances in Electronics, Communication and Computing (conference)</i>	<i>2017</i>	-	<i>Assam Don Bosco University</i>	<i>1</i>
<i>Smart Border Monitoring System-A Survey</i>	<i>B Deb, B Das, A Paul, B Sharma</i>	<i>Academic Science, International Journal of Computer Science (IJACS)</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>A Comparative Analysis of Some Discretization Techniques Using Mutual Information and Transfer Entropy</i>	<i>BB Hazarika, SS Ahmed</i>	<i>European Journal of Advances in Engineering and Technology,</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	

<i>Graph theory based optimum routing path selection method for wireless sensor network</i>	<i>B Sharma, N Brahma</i>	<i>Computer, Communication and Electrical Theory (Book Chapter)</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	<i>11</i>
<i>A Pragmatic Way of Logic Bomb Attack Detection Methodology</i>	<i>B Sharma</i>	<i>Indian Journal of Science and Technology</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	<i>11</i>
<i>Acoustic Representation of Monophthongs with Special Reference to Bodo Language</i>	<i>U Sharma</i>	<i>Speech and Language Processing for Human-Machine Communications (Conference)</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Detection of Human Emotion from Speech—Tools and Techniques</i>	<i>A Mohanta, U Sharma</i>	<i>Speech and Language Processing for Human-Machine Communications (Book Chapter)</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>A Novel Hybrid Approach for Influence Maximization in Online Social Networks Based on Node Neighborhoods</i>	<i>G Nandi, U Sharma, A Das</i>	<i>Advances in Electronics, Communication and Computing (Conference)</i>	<i>2018</i>	<i>1</i>	<i>Assam Don Bosco University</i>	<i>1</i>
<i>An Efficient Link Prediction Technique in Social Networks based on Node Neighborhoods</i>	<i>G Nandi, A Das</i>	<i>International Journal of Advanced Computer Science and Applications</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>E-mail spam filtering: a review of rechniques and trends</i>	<i>A. Bhowmick, S. M. Hazarika</i>	<i>Advances in Electronics, Communication and Computing (book chapter)</i>	<i>2018</i>	<i>5</i>	<i>Tezpur University, Assam Don Bosco University</i>	<i>5</i>

<i>An insight into assistive technology for the visually impaired and blind people: state-of-the-art and future trends</i>	<i>A. Bhowmick, S. M. Hazarika</i>	<i>Journal on Multimodal User Interfaces</i>	<i>2017</i>	<i>17</i>	<i>Tezpur University, Assam Don Bosco University</i>	<i>17</i>
<i>Analysis of Picosecond Pulse for ATR Using Ultra-Wideband RADAR</i>	<i>K Bhattacharyya, R Deka, S Baruah</i>	<i>Recent Trends in Signal and Image Processing (conference)</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Nanostructured biosensor to estimate the freshness of fish</i>	<i>SK Boruah, B Agarwal, S Baruah, P K Boruah</i>	<i>ADBU Journal of Engineering Technology(AJET)</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>A Qualitative Study on Microwave Remote Sensing and Challenges Faced in India</i>	<i>P A Kashyap</i>	<i>ADBU Journal of Engineering Technology</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	
<i>Zinc oxide nanoparticle inhibits the biofilm formation of Streptococcus pneumoniae</i>	<i>P Bhattacharyya, B Agarwal, M Goswami, D Maiti, S Baruah, P Tribedi</i>	<i>Antonie van Leeuwenhoek</i>	<i>2018</i>	<i>2</i>	<i>Assam Don Bosco University</i>	<i>2</i>
<i>Nanoscale wide-band Semiconductors for photocatalytic Remediation of aquatic pollution</i>	<i>Biplab Sarkar, Akshay Vishnu Daware, Priya Gupta, Kishore Kumar Krishnani, Sunandan Baruah, Surajit Bhattacharjee</i>	<i>Environmental Science Pollution Research</i>	<i>2017</i>	<i>2</i>	<i>Tezpur University, Assam Don Bosco University</i>	<i>2</i>

<i>Automatic RADAR Target Recognition System at THz Frequency Band. A Review</i>	<i>K Bhattacharyya, R Deka, S Baruah</i>	<i>ADBU Journal of Engineering Technology(AJET)</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	
<i>Performance of Pd Doped SnO₂ as Sensing Material for Tea Aromatic Chemicals</i>	<i>P Kakoty, M Bhuyan, K Das</i>	<i>IEEE Sensors Journal</i>	<i>2018</i>		<i>Tezpur University, Tezpur University, Assam Don Bosco University</i>	
<i>A Review on Distribution Network Reconfiguration</i>	<i>P Konwar, J Ahmed, B Sengupta, M Gogoi</i>	<i>ADBU Journal of Engineering Technology(AJET)</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Determination of Protein Content of Castor Leaves Using UV-Based Sensor System</i>	<i>JK Das, S Laskar</i>	<i>Advances in Systems, Control and Automation (book chapter)</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	
<i>Analysis and Characterization of Spectral Signature of Soil Nitrogen Content Based on VNIR Optical Sensing for Application in Smart Farming</i>	<i>S Mukherjee, S Laskar</i>	<i>Lecture Notes Series in Electrical Engineering, Vol.462, ISBN 978-981-10-7901-6.(bookChapter)</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Water Quantity-Based Quality Measurement of Transformer Oil Using Polymer Optical Fiber as Sensor</i>	<i>DK Mahanta, S Laskar</i>	<i>IEEE Sensors Journal</i>	<i>2018</i>	<i>2</i>	<i>Assam Don Bosco University</i>	<i>2</i>
<i>Investigation of transformer oil breakdown using optical fiber as sensor</i>	<i>DK Mahanta, S Laskar</i>	<i>IEEE Transactions on Dielectrics and Electrical Insulation</i>	<i>2018</i>	<i>2</i>	<i>Assam Don Bosco University</i>	<i>2</i>

<i>Breakdown voltage based transformer oil analysis using optical fiber as sensor</i>	<i>DK Mahanta, S Laskar</i>	<i>Microoptics Conference (MOC) (conference)</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	
<i>Electrical insulating liquid: A review</i>	<i>DK Mahanta, S Laskar</i>	<i>Journal of Advanced Dielectrics</i>	<i>2017</i>	<i>2</i>	<i>Assam Don Bosco University</i>	<i>2</i>
<i>Distance measurement using free space optics</i>	<i>DK Mahanta, S Laskar</i>	<i>Microoptics Conference (MOC) (conference)</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	
<i>Study of Power Flow Control Using FACTS Devices</i>	<i>LK Lyngdoh, J Ahmed</i>	<i>ADBU Journal of Engineering Technology (AJET)</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>An approach to enhance the efficiency of P-N junction solar cell</i>	<i>P Changmai, R Baruah, A Giri, R K Das, R Sinha</i>	<i>International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS) (conference)</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	
<i>Study on the Communal Resting behaviour of Some Birds with Response to Land Use/Land Cover Change in Guwahati Metro City of Assam</i>	<i>P Sarkar, M Kalita, AE Hussain, AK Das, A Bhuyan</i>	<i>International Journal of Engineering Technology Science and Research</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	
<i>Pre-oxidation of low-density polyethylene (LDPE) by ultraviolet light (UV) promotes enhanced degradation of LDPE in soil”</i>	<i>P. Tribedi, and S. Dey</i>	<i>Environmental Monitoring and Assessment</i>	<i>2017</i>		<i>Assam Don Bosco University, The Neotia University, Assam Don Bosco University</i>	

<i>Microbial functional diversity plays an important role in the degradation of polyhydroxybutyrate (PHB) in soil</i>	<i>S. Dey and P. Tribedi,</i>	<i>3 Biotech</i>	<i>2018</i>		<i>Assam Don Bosco University, Guwahati, Assam Don Bosco University, The Neotia University, West Bengal</i>	
<i>The galactic luminous supersoft X-ray source RXJ0925.7 – 4758/MRVel</i>	<i>Nandita Prodhani and Monmoyur i Baruah</i>	<i>Pramana – J. Phys</i>	<i>2018</i>			
<i>Supersoft X-ray sources: a review study</i>	<i>Parag Bhattacharya and Monmoyur i Baruah,</i>	<i>Journal of Applied and Fundamental Sciences</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Plasma expansion synthesis of tungsten nanopowder</i>	<i>Trinayan Sarmah, Ngangom Aomoa, G. Bhattacharjee, Sidananda Sarma, Biswajit Bora, D. N. Srivastava, H. Bhuyan, M. Kakati and G. De Temmerman</i>	<i>Journal of Alloys and Compounds</i>	<i>2017</i>	<i>4</i>	<i>Centre of Plasma Physics-Institute for Plasma Research, Sonapur, 782402, Assam, India</i>	<i>4</i>

<p><i>Studies on synthesis of plasma fusion relevant tungsten dust particles and measurement of their hydrogen absorption properties</i></p>	<p><i>Trinayan Sarmah, N. Aomoa, Sidananda Sarma, U. Deshpande, B. Satpati, Divesh N. Srivastava, Sanjiv Kumar, M. Kakati and G. De Temmerman</i></p>	<p><i>Fusion Engineering and Design</i></p>	<p>2018</p>	<p>1</p>	<p><i>Centre of Plasma Physics-Institute for Plasma Research, Sonapur, 782402, Assam, India</i></p>	<p>1</p>
<p><i>Synthesis of finest superparamagnetic carbon-encapsulated magnetic nanoparticles by a plasma expansion method for biomedical applications</i></p>	<p><i>Lavita Sarma, N. Aomoa, Trinayan Sarmah, S. Sarma, A. Srinivasan, G. Sharma, Ajay Gupta, V. R. Reddy, B. Satpati, D. N. Srivastava, S. Deka, L. M. Pandey and M. Kakati</i></p>	<p><i>Journal of Alloys and Compounds</i></p>	<p>2018</p>	<p>1</p>	<p><i>Centre of Plasma Physics-Institute for Plasma Research, Sonapur, 782402, Assam, India</i></p>	<p>1</p>

<i>Design, synthesis, structure elucidation and biological activities of 3-(substituted amino)-1-(pyridine-4-yl)propenones and 5-isonicotinyl-1,2,3,4-tetrahydropyrimidine-adamantane hybrids</i>	<i>Utpalparna Kalita, Shunan Kaping, Revinush Nongkynrih and Jainarain Vishwakarma</i>	<i>Monatshefte für Chemie-Chemical monthly</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	
<i>Ultrasound assisted synthesis of 1-amino-3-ferrocenyl-3-oxoprop-1-enes</i>	<i>Jainarain Vishwakarma, Shilpika Khanikar, Utpalparna Kalita, Shunan Kaping and Madhushree Saha</i>	<i>Current Chemistry Letters</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>On the nilpotent elements of Z_n as a ring and Z_d as a module over Z_n</i>	<i>Dr. Saugata Purkayastha, Dr. Hemen Bharali,</i>	<i>International Journal of Recent Scientific Research</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Increasing soil organic carbon pool as a means to regulate global warming</i>	<i>Nibedita Kapil</i>	<i>Journal of Applied and Fundamental Sciences</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Ethnicity influences gut metabolites and microbiota of the tribes of Assam, India</i>	<i>Dehingia, M., Sen, S., Bhaskar, B., Joishy, T.K., Deka, M., Talukdar, N.C. and Khan, M.R.</i>	<i>Metabolomics</i>	<i>2017</i>	<i>2</i>	<i>Assam Don Bosco University</i>	<i>2</i>

<i>Chemometric analysis reveals links in the formation of fragrant bio-molecules during agarwood (Aquilariamalaccensis) and fungal interactions.</i>	<i>Sen, S., Dehingia, M., Talukdar, N.C. and Khan, M.R.</i>	<i>Scientific Reports</i>	<i>2017</i>	<i>5</i>	<i>Assam Don Bosco University</i>	<i>5</i>
<i>Lipopolysaccharide causes NFκB-mediated induction of inducible nitric oxide synthase gene and more production of nitric oxide in air-breathing catfish, Clariasmagur (Hamilton).</i>	<i>Mahua G. Choudhury, S Kumari, KB Das, N Saha</i>	<i>Gene</i>	<i>2018</i>	<i>1</i>	<i>Assam Don Bosco University</i>	<i>1</i>
<i>Omp36 mediated meropenem resistance in clinical isolates of Klebsiellapneumoniae.</i>	<i>Borah VV, Ghosh A, Shahbaaz Mohd., Hassan I, Saikia KK</i>	<i>Journal of Current Advanced Research International</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Effect of different physiochemical conditions on the synthesis of silver nanoparticles using fungal ceel filtrate of Aspergillusoryzae (MTCC 1846) and their antibacterial effect</i>	<i>Probin Phanjon, G Ahmed</i>	<i>Advances in Natural Science: Nanoscience and Nanotechnology</i>	<i>2018</i>	<i>3</i>	<i>Assam Don Bosco University</i>	
<i>A Review on Paris Polyphylla Smith: As an Effective and Alternative Treatment of Cancer</i>	<i>Arcadius Puwein, Shiny C. Thomas, Laishram Indira Singha</i>	<i>International Journal of Pharmaceutical Science Invention</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	

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<i>Imprints of a light sterile neutrino at DUNE, T2HK, and T2HKK</i>	<i>Sandhya Choubey, Debajyoti Dutta, and Dipyaman Pramanik</i>	<i>physical review D 96, 056026</i>	<i>Sep-17</i>	<i>12</i>	<i>Harish-Chandra Research Institute, Allahabad</i>	<i>12</i>
<i>Measuring the sterile neutrino CP phase at DUNE and T2HK</i>	<i>Sandhya Choubey, Debajyoti Dutta, and Dipyaman Pramanik</i>	<i>EurPhys.J. C78 (2018) no.4, 339</i>	<i>Jul-05</i>	<i>5</i>	<i>Harish-Chandra Research Institute, Allahabad</i>	<i>5</i>
<i>Study of fracture resistance of a weldment with a propagating crack</i>	<i>S.A. Krishnan, Abhishek Sarmah, A. Moitra, G. Sasikala, C. Lakshman Rao, Shaju K Albert,</i>	<i>International Journal of Pressure Vessels and Piping</i>	<i>2018</i>		<i>Indira Gandhi Center for Atomic Research, Assam Don Bosco University, Indian Institute of Technology Madras</i>	
<i>Effect of triaxiality factor on failure behaviours and relative strengths of different riveted lap joints</i>	<i>A. Sarmah, M. Kherkatar y, J. Rijal, B. Sarma, R. Paul</i>	<i>International Conference on Mechanical Engineering</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Digital Forensics as a Big Data Challenge</i>	<i>Dolly Das, Urjashee Shaw, SmritiPriya Medhi</i>	<i>Computing for Sustainable Global Development (Conference)</i>	<i>2017</i>	<i>1</i>	<i>Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi</i>	<i>1</i>

<i>Linguistic Grammar Approach to Textual Steganography</i>	<i>Urjashee Shaw, Smriti Priya Medhi</i>	<i>Computing for Sustainable Global Development (Conference)</i>	<i>2017</i>		<i>Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi</i>	<i>0</i>
<i>Black Hole Attacks on MANETS and its Effects</i>	<i>Abhilash Singh, Kausthav Pratim Kalita, Smriti Priya Medhi</i>	<i>Computing for Sustainable Global Development (Conference)</i>	<i>2018</i>		<i>Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi</i>	<i>0</i>
<i>Development of Automatic Systems Using GSM Technology (Book)</i>	<i>Tanvira Ismail</i>	<i>LAMBERT Academic Publishing (ISBN No. 978-3-659-85803-1)</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Dialect Identification of Assamese Language using Spectral Features</i>	<i>Tanvira Ismail and L. Joyprakash Singh</i>	<i>Indian Journal of Science and Technology</i>	<i>2017</i>		<i>NEHU</i>	
<i>Development of Speech Corpora for Goalparia Dialect and Similar Languages</i>	<i>Tanvira Ismail and L. Joyprakash Singh</i>	<i>2017 IEEE International Conference on Signal and Image Processing Applications, Malaysia</i>	<i>2017</i>		<i>NEHU</i>	
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<i>Flow features of a conducting visco-elastic fluid past a vertical permeable plate</i>	<i>Rita Chudhury and Bamdeb Dey</i>	<i>Global Journal of Pure and Applied Mathematics</i>	<i>2017</i>		<i>Gauhati University</i>	
<i>Unsteady thermal radiation effects on MHD convective slip flow of visco-elastic fluid past a porous plate embedded in porous medium</i>	<i>Rita Chudhury and Bamdeb Dey</i>	<i>International Journal of Applied Mathematics and Statistics</i>	<i>2018</i>		<i>Gauhati University</i>	
<i>Framework for an optical Sensor System for Monitoring of Soil Nitrogen and Tailoring soil pH</i>	<i>Deepti Lourembam, Shakuntala Laskar, Subra Mukherjee</i>	<i>Springer Journal of Optics(2017), Vol-47,Issue-2, pp-180-194</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>An Empirical Exponential Model based on Reflectivity Measurements for Soil Nitrogen Detection”</i>	<i>Deepti Lourembam, Subra Mukherjee</i>	<i>International Journal of Computer Applications 172(6):21-25, August 2017.</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	
<i>A Simple optical sensor based system for monitoring plant health status</i>	<i>Wesheu Mero, Subra Mukherjee</i>	<i>In Procc. of 4th National Conference on Emerging trends and Applications in Computer Science , 14th and 15th September, 2018</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	

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<i>Speech Background Noise Removal Using Different Linear Filtering Techniques</i>	<i>MinajulHaque and Kaustubh Bhattacharyya</i>	<i>Advanced Computational and Communication Paradigms, Proceedings of International Conference on ICACCP 2017</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Automatic Brain Tumor Detection and Classification of Grades of Astrocytoma</i>	<i>Devi N., Bhattacharyya K., Mandal J., Saha G., Kandar D., Maji A.</i>	<i>Proceedings of the International Conference on Computing and Communication Systems. Lecture Notes in Networks and Systems, vol 24. Springer, Singapore,</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Design and Analysis of Slotted Microstrip Patch Antenna, A review</i>	<i>Rupanda Thangjam, Kaustubh Bhattacharyya</i>	<i>Journal of Telecommunication Study Volume 4 Issue 2</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Ultra-wide band (UWB) pulse design and channel modeling</i>	<i>Pallabi Bora, Kaustubh Bhattacharyya</i>	<i>Journal of Telecommunication Study Volume 4 Issue 2</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	

<i>Coupled Regenerative Braking and Suspension System</i>	<i>Pranjal Sarma, Sourav Gogoi, Johny Champramary</i>	<i>Research Conclave'18, IIT Guwahati</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Alternate Soft Lithographic Approaches for Microfluidic device Fabrication Using PCM and EDM based tools</i>	<i>Pranjal Sarma, P. K. Patowari</i>	<i>National Conference on Recent Advances in Science and Technology (NCRAS-2018) [Conference]</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Fabrication of microchannels on metal using WEDM and EDM for microfluidic applications</i>	<i>Pranjal Sarma, P. K. Patowari</i>	<i>National Conference on Recent Advances in Science and Technology (NCRAS-2018) [Conference]</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Design & Conceptualization of a Coupled Regenerative Braking & Suspension System</i>	<i>Johny Champramary, Sourav Gogoi, Debasish Kerketta, Chigam D Shira, Manoj Naidu, Pranjal Sarma</i>	<i>National Conference on Recent Advances in Science and Technology (NCRAS-2018) [Conference]</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Optimal operation of Distributed Network embedded to wind – Battery storage system for revenue enhancement</i>	<i>Swapnali Hazarika, SmritiDey</i>	<i>ADBU Journal of Engineering Technology(AJET),</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	

<i>Investigating the Use of UPFC Device for Reduction of SPA in a Power System</i>	<i>Durlav Hazarika, Smriti Dey</i>	<i>J. Inst. Eng. India Ser. B</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>Study of Water Body to Analyze its Impact on Fish Fauna</i>	<i>Shreyashi Das, M. Babita Devi, Ankita Chakraborty, Parismita A. Kashyap</i>	<i>Journal of Basic and Applied Engineering Research</i>	<i>2018</i>		<i>Assam Don Bosco University</i>	
<i>A Survey paper on Sentiment Analysis</i>	<i>Dharitri Sarkar and Arup Baruah</i>	<i>Regional International Conference on Natural Language Processing</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	
<i>Automated Author Identification</i>	<i>Sweta Bhadra and Arup Baruah</i>	<i>Regional International Conference on Natural Language Processing</i>	<i>2017</i>		<i>Assam Don Bosco University</i>	
<i>Assamese Named Entity Recognition System Using Naive Bayes Classifier</i>	<i>Gitimoni Talukdar, Pranjal Protim Borah, Arup Baruah</i>	<i>Advances in Computing and Data Sciences (Book Chapter)</i>	<i>2018</i>		<i>Royal Group of Institutions, Guwahati, Indian Institute of Technology, Guwahati, Assam Don Bosco University, Guwahati</i>	

<i>WSD for Assamese Language</i>	<i>Pranjal Protim Borah, Gitimoni Talukdar, Arup Baruah</i>	<i>Recent Developments in Machine Learning and Data Analytics (Book Chapter)</i>	2018		<i>Indian Institute of Technology, Guwahati, Royal Group of Institutions, Guwahati, Assam Don Bosco University, Guwahati</i>	
<i>On x-injective modules</i>	<i>Saugata Purkayastha, Helen. K. Saikia</i>	<i>Algebra Letters</i>	2018		<i>Department of Mathematics, Gauhati University</i>	
<i>Codon-Based Analysis of Alzheimer's Disease (AD) Using Soft Computational Tool</i>	<i>Hemashree Bordoloi, S.R Nirmala</i>	<i>Mandal J., Saha G., Kandar D., Maji A. (eds) Proceedings of the International Conference on Computing and Communication Systems. Lecture Notes in Networks and Systems, vol 24. Springer, Singapore</i>	2018		<i>Assam Don Bosco University</i>	
<i>A Framework for Codon Based Analysis to detect abnormalities responsible for Esophagus Cancer using Soft Computing Tool</i>	<i>Hemashree Bordoloi, Daisy Roy, S.R Nirmala</i>	<i>Published in: 2018 5th International Conference on Signal Processing and Integrated Networks (SPIN)</i>	2018		<i>Assam Don Bosco University</i>	

<i>Are machine learning based intrusion detection system always secure? An insight into tampered learning</i>	<i>Rupam Kumar Sharma, Hemanta Kr. Kalita, Biju Issac</i>	<i>Journal of Intelligent & Fuzzy Systems</i>	<i>2018</i>	<i>1</i>	<i>North Eastern Hills University</i>	<i>1</i>
<i>Comparative Modular Exponentiation with Randomized Exponent to Resist Power Analysis Attacks</i>	<i>H. J. Mahanta, A. K. Khan</i>	<i>Arabian Journal of Science and Engineering</i>	<i>2017</i>		<i>Assam University</i>	
<i>Partitioned-Exponent Blinding: A countermeasure Against Power Analysis Attack</i>	<i>H. J. Mahanta, A. K. Khan</i>	<i>Indian Journal of Science and Technology</i>	<i>2017</i>		<i>Assam University</i>	
<i>Securing RSA against Power Analysis Attacks through Non-Uniform Exponent Partitioning and Randomization</i>	<i>H. J. Mahanta, A. K. Khan</i>	<i>IET Information Security</i>	<i>2018</i>		<i>Assam University</i>	
<i>Improving Power Analysis Peak Distribution Using Canberra Distance to Address Ghost Peak Problem</i>	<i>H. J. Mahanta, A. K. Khan</i>	<i>International Journal of Information Security and Privacy</i>	<i>2018</i>		<i>Assam University</i>	
<i>A New Breast Border Extraction and Contrast Enhancement Technique with Digital Mammogram Images for Improved Detection of Breast Cancer</i>	<i>Manasi Hazarika, Lipi B Mahanta</i>	<i>Asian Pacific journal of cancer prevention</i>	<i>2018</i>		<i>Gauhati University</i>	
<i>A Novel Region Growing Based Method to Remove Pectoral Muscle from MLO Mammogram Images</i>	<i>Manasi Hazarika, Lipi B Mahanta</i>	<i>Advances in Electronics, Communication and Computing (conference), LNEE, Springer</i>	<i>2018</i>		<i>Gauhati University</i>	

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

Title of the paper	Name of the author	Title of the Journal	Year of publication	h-index	Number of citation excluding self - citations	Institutional affiliation as mentioned in the publication
<i>A Score-Level Solution to Speaker Verification Using UBM Pooling and Adaptive Cohort Selection</i>	<i>P Das</i>	<i>Advances in Electronics, Communication and Computing (conference)</i>	<i>2017</i>	<i>-</i>	<i>1</i>	<i>Assam Don Bosco University</i>
<i>Smart Border Monitoring System- A Survey</i>	<i>B Deb, B Das, A Paul, B Sharma</i>	<i>Academic Science, International Journal of Computer Science (IJIACS)</i>	<i>2018</i>			
<i>A Comparative Analysis of Some Discretization Techniques Using Mutual Information and Transfer Entropy</i>	<i>BB Hazarika, SS Ahmed</i>	<i>European Journal of Advances in Engineering and Technology,</i>	<i>2017</i>			
<i>Graph theory based optimum routing path selection method for wireless sensor network</i>	<i>B Sharma, N Brahma</i>	<i>Computer, Communication and Electrical Theory (Book Chapter)</i>	<i>2017</i>		<i>11</i>	
<i>A Pragmatic Way of Logic Bomb Attack Detection Methodology</i>	<i>B Sharma</i>	<i>Indian Journal of Science and Technology</i>	<i>2017</i>		<i>11</i>	

<i>Acoustic Representation of Monophthongs with Special Reference to Bodo Language</i>	<i>U Sharma</i>	<i>Speech and Language Processing for Human-Machine Communications (Conference)</i>	<i>2018</i>	<i>3</i>		
<i>Detection of Human Emotion from Speech—Tools and Techniques</i>	<i>A Mohanta, U Sharma</i>	<i>Speech and Language Processing for Human-Machine Communications (Book Chapter)</i>	<i>2018</i>	<i>3</i>		
<i>A Novel Hybrid Approach for Influence Maximization in Online Social Networks Based on Node Neighborhoods</i>	<i>G Nandi, U Sharma, A Das</i>	<i>Advances in Electronics, Communication and Computing (Conference)</i>	<i>2018</i>	<i>5</i>	<i>1</i>	
<i>An Efficient Link Prediction Technique in Social Networks based on Node Neighborhoods</i>	<i>G Nandi, A Das</i>	<i>International Journal of Advanced Computer Science and Applications</i>	<i>2018</i>	<i>5</i>		
<i>E-mail spam filtering: a review of techniques and trends</i>	<i>A. Bhowmick, S. M. Hazarika</i>	<i>Advances in Electronics, Communication and Computing (book chapter)</i>	<i>2018</i>	<i>4</i>	<i>5</i>	<i>Tezpur University, Assam Don Bosco University</i>
<i>An insight into assistive technology for the visually impaired and blind people: state-of-the-art and future trends</i>	<i>A. Bhowmick, S. M. Hazarika</i>	<i>Journal on Multimodal User Interfaces</i>	<i>2017</i>	<i>4</i>	<i>17</i>	<i>Tezpur University, Assam Don Bosco University</i>

<i>Analysis of Picosecond Pulse for ATR Using Ultra-Wideband RADAR</i>	<i>K Bhattacharyya, R Deka, S Baruah</i>	<i>Recent Trends in Signal and Image Processing (conference)</i>	<i>2018</i>	<i>4</i>		
<i>Nanostructured biosensor to estimate the freshness of fish</i>	<i>SK Boruah, B Agarwal, S Baruah, P K Boruah</i>	<i>ADBU Journal of Engineering Technology(AJET)</i>	<i>2018</i>	<i>1</i>		
<i>A Qualitative Study on Microwave Remote Sensing and Challenges Faced in India</i>	<i>P A Kashyap</i>	<i>ADBU Journal of Engineering Technology</i>	<i>2017</i>	<i>3</i>		
<i>Zinc oxide nanoparticle inhibits the biofilm formation of Streptococcus pneumoniae</i>	<i>P Bhattacharyya, B Agarwal, M Goswami, D Maiti, S Baruah, P Tribedi</i>	<i>Antonie van Leeuwenhoek</i>	<i>2018</i>		<i>2</i>	<i>ADBU</i>
<i>Nanoscale wide-band Semiconductors for photocatalytic Remediation of aquatic pollution</i>	<i>Biplab Sarkar, Akshay Vishnu Daware, Priya Gupta, Kishore Kumar Krishna ni, Sunanda n Baruah, SurajitB hattacharjee</i>	<i>Environmental Science Pollution Research</i>	<i>2017</i>	<i>4</i>	<i>2</i>	

<i>Automatic RADAR Target Recognition System at THz Frequency Band. A Review</i>	<i>K Bhattacharyya, R Deka, S Baruah</i>	<i>ADBU Journal of Engineering Technology(AJET)</i>	<i>2017</i>	<i>4</i>		
<i>Performance of Pd Doped SnO₂ as Sensing Material for Tea Aromatic Chemicals</i>	<i>P Kakoty, M Bhuyan, K Das</i>	<i>IEEE Sensors Journal</i>	<i>2018</i>	<i>2</i>		<i>Tezpur University, Tezpur University, Assam Don Bosco University</i>
<i>A Review on Distribution Network Reconfiguration</i>	<i>P Konwar, J Ahmed, B Sengupta, M Gogoi</i>	<i>ADBU Journal of Engineering Technology(AJET)</i>	<i>2018</i>	<i>1</i>		
<i>Determination of Protein Content of Castor Leaves Using UV-Based Sensor System</i>	<i>JK Das, S Laskar</i>	<i>Advances in Systems, Control and Automation (book chapter)</i>	<i>2017</i>	<i>4</i>		
<i>Analysis and Characterization of Spectral Signature of Soil Nitrogen Content Based on VNIR Optical Sensing for Application in Smart Farming</i>	<i>S Mukherjee, S Laskar</i>	<i>Lecture Notes Series in Electrical Engineering, Vol.462, ISBN 978-981-10-7901-6.(bookChapter)</i>	<i>2018</i>	<i>5</i>		<i>Assam Don Bosco University</i>
<i>Water Quantity-Based Quality Measurement of Transformer Oil Using Polymer Optical Fiber as Sensor</i>	<i>DK Mahanta, S Laskar</i>	<i>IEEE Sensors Journal</i>	<i>2018</i>	<i>2</i>	<i>2</i>	

<i>Investigation of transformer oil breakdown using optical fiber as sensor</i>	<i>DK Mahanta, S Laskar</i>	<i>IEEE Transactions on Dielectrics and Electrical Insulation</i>	<i>2018</i>	<i>2</i>	<i>2</i>	
<i>Breakdown voltage based transformer oil analysis using optical fiber as sensor</i>	<i>DK Mahanta, S Laskar</i>	<i>Microoptics Conference (MOC) (conference)</i>	<i>2017</i>	<i>2</i>		
<i>Electrical insulating liquid: A review</i>	<i>DK Mahanta, S Laskar</i>	<i>Journal of Advanced Dielectrics</i>	<i>2017</i>	<i>2</i>	<i>2</i>	
<i>Distance measurement using free space optics</i>	<i>DK Mahanta, S Laskar</i>	<i>Microoptics Conference (MOC) (conference)</i>	<i>2017</i>	<i>2</i>		
<i>Study of Power Flow Control Using FACTS Devices</i>	<i>LK Lyngdoh, J Ahmed</i>	<i>ADBU Journal of Engineering Technology(AJET)</i>	<i>2018</i>			
<i>An approach to enhance the efficiency of P-N junction solar cell</i>	<i>P Changmai, R Baruah, A Giri, R K Das, R Sinha</i>	<i>International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS) (conference)</i>	<i>2017</i>			
<i>Study on the Communal Resting behaviour of Some Birds with Response to Land Use/Land Cover Change in Guwahati Metro City of Assam</i>	<i>P Sarkar, M Kalita, AE Hussain, AK Das, A Bhuyan</i>	<i>International Journal of Engineering Technology Science and Research</i>	<i>2017</i>			

<i>Pre-oxidation of low-density polyethylene (LDPE) by ultraviolet light (UV) promotes enhanced degradation of LDPE in soil”</i>	<i>P. Tribedi, and S. Dey</i>	<i>Environmental Monitoring and Assessment</i>	<i>2017</i>			<i>Assam Don Bosco University, The Neotia University, Assam Don Bosco University</i>
<i>Microbial functional diversity plays an important role in the degradation of polyhydroxybutyrate (PHB) in soil</i>	<i>S. Dey and P. Tribedi,</i>	<i>3 Biotech</i>	<i>2018</i>			<i>Assam Don Bosco University, The Neotia University.</i>
<i>The galactic luminous supersoft X-ray source RXJ0925.7 – 4758/MRVel</i>	<i>Nandita Prodhan i and Monmoy uri Baruah</i>	<i>Pramana – J. Phys</i>	<i>2018</i>			<i>Assam Don Bosco University</i>
<i>Supersoft X-ray sources: a review study</i>	<i>Parag Bhattacharya and Monmoy uri Baruah,</i>	<i>Journal of Applied and Fundamental Sciences</i>	<i>2018</i>			<i>Assam Don Bosco University</i>

<p><i>Plasma expansion synthesis of tungsten nanopowder</i></p>	<p><i>Trinayan Sarmah, Ngangom Aomoa, G. Bhattacharjee, Sidananda Sarma, Biswajit Bora, D. N. Srivastava, H. Bhuyan, M. Kakati and G. De Temmerman</i></p>	<p><i>Journal of Alloys and Compounds</i></p>	<p>2017</p>		<p>4</p>	<p><i>Centre of Plasma Physics-Institute for Plasma Research, Sonapur, 782402, Assam, India</i></p>
<p><i>Studies on synthesis of plasma fusion relevant tungsten dust particles and measurement of their hydrogen absorption properties</i></p>	<p><i>Trinayan Sarmah, N. Aomoa, Sidananda Sarma, U. Deshpande, B. Satpati, Divesh N. Srivastava, Sanjiv Kumar, M. Kakati and G. De Temmerman</i></p>	<p><i>Fusion Engineering and Design</i></p>	<p>2018</p>		<p>1</p>	<p><i>Centre of Plasma Physics-Institute for Plasma Research, Sonapur, 782402, Assam, India</i></p>

<p><i>Synthesis of finest superparamagnetic carbon-encapsulated magnetic nanoparticles by a plasma expansion method for biomedical applications</i></p>	<p><i>Lavita Sarma, N. Aomoa, Trinayan Sarmah, S. Sarma, A. Srinivasan, G. Sharma, Ajay Gupta, V. R. Reddy, B. Satpati, D. N. Srivastava, S. Deka, L. M. Pandey and M. Kakati</i></p>	<p><i>Journal of Alloys and Compounds</i></p>	<p>2018</p>		<p>1</p>	<p><i>Centre of Plasma Physics-Institute for Plasma Research, Sonapur, 782402, Assam, India</i></p>
<p><i>Design, synthesis, structure elucidation and biological activities of 3-(substituted amino)-1-(pyridine-4-yl) propenones and 5-isonicotinyl-1,2,3,4-tetrahydropyrimidine-adamantane hybrids</i></p>	<p><i>Utpalparna Kalita, Shunan Kaping, Revinus Nongkynrih and Jai Narain Vishwakarma</i></p>	<p><i>Monatshefte für Chemie-Chemical monthly</i></p>	<p>2017</p>			<p><i>Assam Don Bosco University</i></p>

<i>Ultrasound assisted synthesis of 1-amino-3-ferrocenyl-3-oxoprop-1-enes</i>	<i>Jai Narain Vishwakarma, Shilpika Khanikar, Utpalparna Kalita, Shunan Kaping and Madhusree Sahaa</i>	<i>Current Chemistry Letters</i>	<i>2018</i>			<i>Assam Don Bosco University</i>
<i>On the nilpotent elements of Z_n as a ring and Z_d as a module over Z_n</i>	<i>Dr. Saugata Purkayastha, Dr. Hemen Bharali</i>	<i>International Journal of Recent Scientific Research</i>	<i>2018</i>			<i>Assam Don Bosco University</i>
<i>Increasing soil organic carbon pool as a means to regulate global warming</i>	<i>Nibedita Kapil</i>	<i>Journal of Applied and Fundamental Sciences</i>	<i>2018</i>			<i>Assam Don Bosco University</i>
<i>Ethnicity influences gut metabolites and microbiota of the tribes of Assam, India.</i>	<i>Dehingia, M., Sen, S., Bhaskar, B., Joishy, T.K., Deka, M., Talukdar, N.C. and Khan, M.R.</i>	<i>Metabolomics</i>	<i>2017</i>	<i>4</i>	<i>2</i>	<i>Assam Don Bosco University</i>

<i>Chemometric analysis reveals links in the formation of fragrant bio-molecules during agarwood (Aquilariamalaccensis) and fungal interactions.</i>	<i>Sen, S., Dehinga, M., Talukdar, N.C. and Khan, M.R.</i>	<i>Scientific Reports</i>	<i>2017</i>	<i>2</i>	<i>5</i>	<i>Assam Don Bosco University</i>
<i>Lipopolysaccharide causes NFκB-mediated induction of inducible nitric oxide synthase gene and more production of nitric oxide in air-breathing catfish, Clariasmagur (Hamilton).</i>	<i>Mahua G. Choudhury, S Kumari, KB Das, N Saha</i>	<i>Gene</i>	<i>2018</i>	<i>3</i>	<i>1</i>	<i>Assam Don Bosco University</i>
<i>Omp36 mediated meropenem resistance in clinical isolates of Klebsiellapneumoniae.</i>	<i>Borah VV, Ghosh A, ShahbaazMohd., Hassan I, Saikia KK</i>	<i>Journal of Current Advanced Research International</i>	<i>2018</i>			<i>Assam Don Bosco University</i>
<i>Effect of different physiochemical conditions on the synthesis of silver nanoparticles using fungal ceel filtrate of Aspergillusoryzae (MTCC 1846) and their antibacterial effect</i>	<i>ProbinP hanjon, G Ahmed</i>	<i>Advances in Natural Science: Nanoscience and Nanotechnology</i>	<i>2018</i>			<i>Assam Don Bosco University</i>

<i>A Review on Paris Polyphylla Smith: As an Effective and Alternative Treatment of Cancer</i>	<i>Arcadius Puwein, Shiny C. Thomas, Laishram Indira Singha</i>	<i>International Journal of Pharmaceutical Science Invention</i>	<i>2018</i>			<i>Assam Don Bosco University</i>
<i>An Overview of Paris polyphylla, a Highly Vulnerable Medicinal Herb of Eastern Himalayan Region for Sustainable Exploitation</i>	<i>Arcadius Puwein, Shiny C. Thomas</i>	<i>The Natural Products Journal</i>	<i>2018</i>			<i>Assam Don Bosco University</i>
<i>Imprints of a light sterile neutrino at DUNE, T2HK, and T2HKK</i>	<i>Sandhya Choubey, Debajyoti Dutta, and Dipyam anPramanik</i>	<i>physical review D 96, 056026</i>	<i>Sep-17</i>		<i>12</i>	<i>Harish-Chandra Research Institute, Allahabad</i>
<i>Measuring the sterile neutrino CP phase at DUNE and T2HK</i>	<i>Sandhya Choubey, Debajyoti Dutta, and Dipyam anPramanik</i>	<i>EurPhys.J. C78 (2018) no.4, 339</i>	<i>Jul-05</i>		<i>5</i>	<i>Harish-Chandra Research Institute, Allahabad</i>

<i>Study of fracture resistance of a weldment with a propagating crack</i>	<i>S.A. Krishnan, Abhishek Sarmah, A. Moitra, G. Sasikala, C. Lakshman Rao, Shaju K Albert,</i>	<i>International Journal of Pressure Vessels and Piping</i>	<i>2018</i>			<i>Indira Gandhi Center for Atomic Research, Assam Don Bosco University, Indian Institute of Technology Madras</i>
<i>Effect of triaxiality factor on failure behaviours and relative strengths of different riveted lap joints</i>	<i>A. Sarmah, M. Kherkatary, J. Rijal, B. Sarma, R. Paul</i>	<i>International Conference on Mechanical Engineering</i>	<i>2018</i>			<i>Assam Don Bosco University</i>
<i>Digital Forensics as a Big Data Challenge</i>	<i>Dolly Das, Urjashe Shave Shaw, SmritiPriyaMedhi</i>	<i>Computing for Sustainable Global Development (Conference)</i>	<i>2017</i>	<i>2</i>	<i>1</i>	<i>BharatiVidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi</i>
<i>Linguistic Grammar Approach to Textual Steganography</i>	<i>Urjashe Shaw, SmritiPriyaMedhi</i>	<i>Computing for Sustainable Global Development (Conference)</i>	<i>2017</i>		<i>0</i>	<i>BharatiVidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi</i>

<i>Black Hole Attacks on MANETS and its Effects</i>	<i>Abhilash Singh, Kaustha vPratim Kalita, SmritiPriyaMedhi</i>	<i>Computing for Sustainable Global Development (Conference)</i>	2018	2	0	<i>BharatiVidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi</i>
<i>Development of Automatic Systems Using GSM Technology (Book)</i>	<i>Tanvira Ismail</i>	<i>LAMBERT Academic Publishing (ISBN No. 978-3-659-85803-1)</i>	2018			<i>Assam Don Bosco University</i>
<i>Dialect Identification of Assamese Language using Spectral Features</i>	<i>Tanvira Ismail and L. Joyprakash Singh</i>	<i>Indian Journal of Science and Technology</i>	2017			<i>NEHU</i>
<i>Development of Speech Corpora for Goalparia Dialect and Similar Languages</i>	<i>Tanvira Ismail and L. Joyprakash Singh</i>	<i>2017 IEEE International Conference on Signal and Image Processing Applications, Malaysia</i>	2017			<i>NEHU</i>
<i>Identification of Goalparia Dialect and Similar Languages</i>	<i>Tanvira Ismail and L. Joyprakash Singh</i>	<i>IEEE International Conference on Multimedia, Signal Processing and Communication Technologies</i>	2017			<i>NEHU</i>
<i>Flow features of a conducting visco-elastic fluid past a vertical permeable plate</i>	<i>Rita Chudhury and Bamdeb Dey</i>	<i>Global Journal of Pure and Applied Mathematics</i>	2017	1		<i>Gauhati University</i>
<i>Unsteady thermal radiation effects on MHD convective slip flow of visco-elastic fluid past a porous plate embedded in porous medium</i>	<i>Rita Chudhury and Bamdeb Dey</i>	<i>International Journal of Applied Mathematics and Statistics</i>	2018	1		<i>Gauhati University</i>

<i>Framework for an optical Sensor System for Monitoring of Soil Nitrogen and Tailoring soil pH</i>	<i>Deepti Lourem bam, Shakuntala Laskar, Subra Mukherjee</i>	<i>Springer Journal of Optics(2017), Vol-47, Issue-2, pp-180-194</i>	<i>2018</i>	<i>5</i>		<i>Assam Don Bosco University</i>
<i>An Empirical Exponential Model based on Reflectivity Measurements for Soil Nitrogen Detection”</i>	<i>Deepti Lourem bam, Subra Mukherjee</i>	<i>International Journal of Computer Applications 172(6):21-25, August 2017.</i>	<i>2017</i>	<i>5</i>		<i>Assam Don Bosco University</i>
<i>A Simple optical sensor based system for monitoring plant health status</i>	<i>Wesheu Mero, Subra Mukherjee</i>	<i>In Procc. of 4th National Conference on Emerging trends and Applications in Computer Science , 14th and 15th September, 2018</i>	<i>2018</i>	<i>5</i>		<i>Assam Don Bosco University</i>
<i>Cross-Sensitivity and Responsive Wavelength Evaluation for NPK Sensing</i>	<i>Subra Mukherjee, Shakuntala Laskar</i>	<i>In Procc. of 4th National Conference on Emerging trends and Applications in Computer Science , 14th and 15th September, 2018</i>	<i>2018</i>	<i>5</i>		<i>Assam Don Bosco University</i>
<i>Speech Background Noise Removal Using Different Linear Filtering Techniques</i>	<i>Minajul Haque and Kaustubh Bhattacharyya</i>	<i>Advanced Computational and Communication Paradigms, Proceedings of International Conference on ICACCP 2017</i>	<i>2018</i>	<i>4</i>		<i>Assam Don Bosco University</i>
<i>Automatic Brain Tumor Detection and Classification of Grades of Astrocytoma</i>	<i>Devi N., Bhattacharyya K., Mandal J., Saha G., Kandar D., Maji A.</i>	<i>Proceedings of the International Conference on Computing and Communication Systems. Lecture Notes in Networks and Systems, vol 24. Springer, Singapore,</i>	<i>2018</i>	<i>4</i>		<i>Assam Don Bosco University</i>

<i>Design and Analysis of Slotted Microstrip Patch Antenna, A review</i>	<i>Rupanda Thangjam, Kaustubh Bhattacharyya</i>	<i>Journal of Telecommunication Study Volume 4 Issue 2</i>	<i>2018</i>	<i>4</i>		<i>Assam Don Bosco University</i>
<i>Ultra-wide band (UWB) pulse design and channel modeling</i>	<i>Pallabi Bora, Kaustubh Bhattacharyya</i>	<i>Journal of Telecommunication Study Volume 4 Issue 2</i>	<i>2018</i>	<i>4</i>		<i>Assam Don Bosco University</i>
<i>Coupled Regenerative Braking and Suspension System</i>	<i>Pranjal Sarma, Sourav Gogoi, Johny Champramary</i>	<i>Research Conclave '18, IIT Guwahati</i>	<i>2018</i>	<i>2</i>		<i>Assam Don Bosco University</i>
<i>Alternate Soft Lithographic Approaches for Microfluidic device Fabrication Using PCM and EDM based tools</i>	<i>Pranjal Sarma, P. K. Patowari</i>	<i>National Conference on Recent Advances in Science and Technology (NCRAS-2018) [Conference]</i>	<i>2018</i>	<i>2</i>		<i>Assam Don Bosco University</i>
<i>Fabrication of microchannels on metal using WEDM and EDM for microfluidic applications</i>	<i>Pranjal Sarma, P. K. Patowari</i>	<i>National Conference on Recent Advances in Science and Technology (NCRAS-2018) [Conference]</i>	<i>2018</i>	<i>2</i>		<i>Assam Don Bosco University</i>

<i>Design & Conceptualization of a Coupled Regenerative Braking & Suspension System</i>	<i>Johny Champr amary, Sourav Gogoi, Debasis h Kerketta , Chigam D Shira, Manoj Naidu, Pranjal Sarma</i>	<i>National Conference on Recent Advances in Science and Technology (NCRAS-2018) [Conference]</i>	<i>2018</i>	<i>2</i>		<i>Assam Don Bosco University</i>
<i>Optimal operation of Distributed Network embedded to wind – Battery storage system for revenue enhancement</i>	<i>Swapnal i Hazarik a, Smriti Dey</i>	<i>ADBU Journal of Engineering Technology(AJET),</i>	<i>2018</i>	<i>2</i>		<i>Assam Don Bosco University</i>
<i>Investigating the Use of UPFC Device for Reduction of SPA in a Power System</i>	<i>Durlav Hazarik a, Smriti Dey</i>	<i>J. Inst. Eng. India Ser. B</i>	<i>2018</i>	<i>10</i>		<i>Assam Don Bosco University</i>
<i>Study of Water Body to Analyze its Impact on Fish Fauna</i>	<i>Shreyas hi Das, M.Babit a Devi, Ankita Chakrab orty, Parismit a A. Kashyap</i>	<i>Journal of Basic and Applied Engineering Research</i>	<i>2018</i>			<i>Assam Don Bosco University</i>
<i>A Survey paper on Sentiment Analysis</i>	<i>Dharitri Sarkar and Arup Baruah</i>	<i>Regional International Conference on Natural Language Processing</i>	<i>2017</i>			<i>Assam Don Bosco University</i>

<i>Automated Author Identification</i>	<i>Sweta Bhadra and Arup Baruah</i>	<i>Regional International Conference on Natural Language Processing</i>	<i>2017</i>			<i>Assam Don Bosco University</i>
<i>Assamese Named Entity Recognition System Using Naive Bayes Classifier</i>	<i>Gitimoni Talukdar, Pranjal Protim Borah, Arup Baruah</i>	<i>Advances in Computing and Data Sciences (Book Chapter)</i>	<i>2018</i>			<i>Royal Group of Institutions, Institute of Technology, Guwahati, Assam Don Bosco University</i>
<i>WSD for Assamese Language</i>	<i>Pranjal Protim Borah, Gitimoni Talukdar, Arup Baruah</i>	<i>Recent Developments in Machine Learning and Data Analytics (Book Chapter)</i>	<i>2018</i>			<i>Indian Institute of Technology, Royal Group of Institutions, Guwahati, Assam Don Bosco University</i>
<i>On x-injective modules</i>	<i>Saugata Purkayastha, Helen.K. Saikia</i>	<i>Algebra Letters</i>	<i>2018</i>			<i>Gauhati University</i>
<i>Codon-Based Analysis of Alzheimer's Disease (AD) Using Soft Computational Tool</i>	<i>Hemashree Bordoloi, S.R Nirmala</i>	<i>Mandal J., Saha G., Kandar D., Maji A. (eds) Proceedings of the International Conference on Computing and Communication Systems. Lecture Notes in Networks and Systems, vol 24. Springer, Singapore</i>	<i>2018</i>	<i>3</i>		<i>Assam Don Bosco University</i>

<i>A Framework for Codon Based Analysis to detect abnormalities responsible for Esophagus Cancer using Soft Computing Tool</i>	<i>Hemashree Bordoloi, Daisy Roy, S.R Nirmala</i>	<i>Published in: 2018 5th International Conference on Signal Processing and Integrated Networks (SPIN)</i>	<i>2018</i>	<i>3</i>		<i>Assam Don Bosco University</i>
<i>Are machine learning based intrusion detection system always secure? An insight into tampered learning</i>	<i>Rupam Kumar Sharma, Hemant akrkalit a, Biju Issac</i>	<i>Journal of Intelligent & Fuzzy Systems</i>	<i>2018</i>		<i>1</i>	<i>North Eastern Hills University</i>
<i>Comparative Modular Exponentiation with Randomized Exponent to Resist Power Analysis Attacks</i>	<i>H. J. Mahanta, A. K. Khan</i>	<i>Arabian Journal of Science and Engineering</i>	<i>2017</i>	<i>5</i>		<i>Assam University</i>
<i>Partitioned-Exponent Blinding: A countermeasure Against Power Analysis Attack</i>	<i>H. J. Mahanta, A. K. Khan</i>	<i>Indian Journal of Science and Technology</i>	<i>2017</i>	<i>5</i>		<i>Assam University</i>
<i>Securing RSA against Power Analysis Attacks through Non-Uniform Exponent Partitioning and Randomization</i>	<i>H. J. Mahanta, A. K. Khan</i>	<i>IET Information Security</i>	<i>2018</i>	<i>5</i>		<i>Assam University</i>
<i>Improving Power Analysis Peak Distribution Using Canberra Distance to Address Ghost Peak Problem</i>	<i>H. J. Mahanta, A. K. Khan</i>	<i>International Journal of Information Security and Privacy</i>	<i>2018</i>	<i>5</i>		<i>Assam University</i>

<i>A New Breast Border Extraction and Contrast Enhancement Technique with Digital Mammogram Images for Improved Detection of Breast Cancer</i>	<i>Manasi Hazarika, Lipi B Mahanta</i>	<i>Asian Pacific journal of cancer prevention</i>	<i>2018</i>	<i>1</i>		<i>Gauhati University</i>
<i>A Novel Region Growing Based Method to Remove Pectoral Muscle from MLO Mammogram Images</i>	<i>Manasi Hazarika, Lipi B Mahanta</i>	<i>Advances in Electronics, Communication and Computing (conference), LNEE, Springer</i>	<i>2018</i>	<i>1</i>		<i>Gauhati University</i>

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :					
	No. of Faculty	International level	National level	State level	Local
Attended Seminars / Workshops	<i>50</i>	<i>2</i>	<i>36</i>	<i>8</i>	<i>4</i>
Presented papers	<i>7</i>	<i>4</i>	<i>3</i>		
Resource Persons	<i>5</i>	<i>1</i>	<i>2</i>		<i>2</i>

3.5 Consultancy			
3.5.1 Revenue generated from Consultancy during the year			
Name of the Consultant department	Name of the Consultancy project	Consulting / Sponsoring Agency	Revenue generated (amount in rupees)
<i>Department of Computer Science and Engineering</i>	<i>Developing an Android App on "Explaining the Famous Products of North Eastern India"</i>	<i>AICTE</i>	<i>3,00,000</i>
<i>Department of Social Work</i>	<i>Standardization of Assessment Tools</i>	<i>Ambedkar University</i>	<i>13, 53,000</i>
<i>Center of Excellence in Nanotechnology</i>	<i>Environmental Pollution Sensing and Remediation using Green Nanotechnology</i>	<i>Assam Science Technology & Environment Council (ASTEC)</i>	<i>5,99,100.00</i>

<i>Center of Excellence in Nanotechnology</i>	<i>Scheme of Fund for Regeneration of Traditional Industries</i>	<i>Ministry of Micro Small and Medium Enterprises (MSME), Govt. of India through the Indian Institute of Entrepreneurship</i>	<i>14,00,000</i>
<i>Center of Excellence in Nanotechnology</i>	<i>Development of a low cost tea leaf dryer</i>	<i>Hills Woodcraft Pvt. Ltd., Guwahati</i>	<i>2,00,000</i>
<i>Center of Excellence in Nanotechnology</i>	<i>Development of a nanotechnology based solar powered fruit/vegetable dryer with antimicrobial drying trays”</i>	<i>Indian Institute of Entrepreneurship,</i>	<i>2,50,000</i>
<i>Center of Excellence in Nanotechnology</i>	<i>Development of nanotechnology based solar powered water purifiers</i>	<i>Assam DonBosco University</i>	<i>5,00,000</i>
<i>Department of Electronics and Communication Engineering</i>	<i>Development of Solar Powered/antifungal fruit dryer</i>	<i>Indian Institute of Entrepreneurship, Guwahati</i>	<i>74,000.00</i>
<i>Department of Electronics and Communication Engineering</i>	<i>Repairing/Servicing of Electronic Board, Video Conferencing Camera and Conference Hall Sound System</i>	<i>Indian Institute of Entrepreneurship, Guwahati</i>	<i>96,000.00</i>

3.5.2 Revenue generated from Corporate Training by the institution during the year				
Name of the Consultant department	Title of the programme	Agency seeking training	Revenue generated	Number of trainees
<i>MBA</i>	<i>Management Development Programme</i>	<i>Assam Secretariat</i>	<i>Rs. 1,20,000</i>	<i>70</i>
<i>MBA</i>	<i>Management Development Programme</i>	<i>Indian Postal Dept.</i>	<i>Rs. 67,000</i>	<i>68</i>

3.6 Extension Activities			
3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year			
Title of the activities	Organising unit/ agency/collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities
<i>Adult Literacy Programme</i>	<i>School of Humanities and Social Sciences of Assam Don Bosco University and Hatimura Anganwadi Centre for the women of the neighbouring villages</i>	<i>1</i>	<i>15</i>
<i>Street Play</i>	<i>School of Humanities and Social Sciences, Assam Don Bosco University</i>	<i>3</i>	<i>22</i>
<i>Awareness Programme on Child Education, 'Nino Betismo'</i>	<i>Department of Mass Communication, Assam Don Bosco University</i>	<i>2</i>	<i>8</i>
<i>E-event on World Earth Day, 'Shout Out to green World'</i>	<i>Department of Mass Communication, Assam Don Bosco University</i>	<i>2</i>	<i>12</i>
<i>Adult Education Programme, 'Educate to Empower' 2017</i>	<i>Don Bosco University's Center for Development Studies and Initiatives (DBU-CDSI)</i>	<i>3</i>	<i>8</i>
<i>Free Coaching for School Children 'Swastyayan... a commitment'</i>	<i>School of Technology and School of Humanities and Social Sciences of Assam Don Bosco University</i>	<i>18</i>	<i>39</i>
<i>Social Commitment programmes under 'ADBUCDVO Students' Exchange Programme'</i>	<i>Department of Social Work, Assam Don Bosco University and University College of Dublin, Ireland</i>	<i>8</i>	<i>15</i>
<i>Disaster Relief for conflict affected families of Lower Assam</i>	<i>Department of Social Work, Assam Don Bosco University</i>	<i>2</i>	<i>16</i>
<i>Support for Ms. Ranmila Raihing (suffering from glaucoma)</i>	<i>Department of Social Work, Assam Don Bosco University</i>	<i>5</i>	<i>45</i>
<i>Disaster Relief and Rehabilitation at Hahim</i>	<i>Department of Social Work, Assam Don Bosco University</i>	<i>2</i>	<i>20</i>

<i>Community Self-Help Weeks</i>	<i>Department of Social Work, Assam Don Bosco University</i>	8	65
<i>Don Bosco Cooperative Society</i>	<i>Assam Don Bosco University</i>	20	5

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year *NIL*

Name of the activity	Award/recognition	Awarding bodies	No. of students benefited

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

Name of the scheme	Organising unit / agency / collaborating agency	Name of the activity	Number of teachers coordinated in such activities	Number of students participated in such activities
<i>Swachh Bharat Mission</i>	<i>Assam Don Bosco University</i>	<i>Swachhata Pakhwada</i>	76	273
<i>Swachh Bharat Summer Internship Programme</i>	<i>School of Technology, Assam Don Bosco University</i>	<i>Summer Internship</i>	11	155

3.7 Collaborations

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant
<i>Research Collaboration</i>	<i>Plasma and Fusion Research Committee (PFRC)</i>	<i>Centre of Plasma Physics – Institute for Plasma Research (CPP-IPR)</i>	2017-2018	<i>CPP-IPR and Assam Don Bosco University</i>

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant
<i>Internship</i>	<i>Summer Internship Program</i>	<i>Reliance Jio</i>	<i>14 April to 30 June, 2018</i>	<i>4</i>
<i>Internship</i>	<i>Summer Internship Program</i>	<i>MASSS</i>	<i>14 April to 30 June, 2018</i>	<i>4</i>
<i>Internship</i>	<i>Summer Internship Program</i>	<i>Highway Delite</i>	<i>14 April to 30 June, 2018</i>	<i>4</i>

3.7.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
<i>IIT-Guwahati</i>	<i>20 April 2017</i>	<i>Collaboration in various areas of Scientific and Technological developmental initiatives and research.</i>	<i>All from the School of Technology</i>
<i>NESAC</i>	<i>13 June 2017</i>	<i>Collaborate in academics and to take up joint research projects in these areas.</i>	<i>All from the School of Technology</i>
<i>NE Cancer Hospital and Research Center</i>	<i>25 September 2017</i>	<i>Conducting joint training programmes; develop institutional capacity building including joint consultancy and research programmes, researcher and student exchange programmes for human resource development through education, training and staff exchange and sabbaticals. Other activities under the MoU will include joint organization</i>	<i>All from the University</i>

<i>IEEE</i>	<i>15 September 2017</i>	<i>Providing close handholding and implementation support to the “Scheme of Fund for Regeneration of Traditional Industries (SFURTI)” clusters.</i>	<i>All from the University</i>
<i>Eicher Motors Ltd</i>	<i>7 November 2017</i>	<i>Eicher Motors will help familiarize young students and faculty members in the latest automobile technology and also practically demonstrate to them the most scientific way of repair, maintenance and overhaul of motorcycles.</i>	<i>All from the School of Technology</i>
<i>Construction Skill Development Council of India</i>	<i>8 March 2018</i>	<i>Attempt to further its initiatives in Skill Development; Both the parties will jointly establish a skill development Centre of Excellence</i>	<i>All from the University</i>
<i>Institute of Advanced Study in Science and Technology</i>	<i>22 June 2018</i>	<i>Enhancing the teaching, learning and research experiences of the students and faculty of both the institutions in order to improve the quality of human resources available, especially in Assam and North East India.</i>	<i>All from the School of Technology</i>
<i>ESSCI</i>	<i>January 2018</i>	<i>Skill development programmes</i>	<i>All from the University</i>
<i>CDSL</i>	<i>November 2017</i>	<i>Academic Award</i>	<i>All from the University</i>

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES	
4.1 Physical Facilities	
4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year	
Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
<i>Rs. 24,10,00,000</i>	<i>Rs. 25,52,95,793</i>

4.1.2 Details of augmentation in infrastructure facilities during the year		
Facilities	Existing	Newly added
<i>Campus area</i>	<i>Azara campus: 5.19 acres</i>	<i>Azara campus: 0</i>
	<i>Tapesia campus: 275 acres</i>	<i>Tapesia campus: 0</i>
	<i>Kharghuli campus: 1.13 acres</i>	<i>Kharghuli campus: 0</i>
<i>Class rooms</i>	<i>Azara campus: 33</i>	<i>Azara campus: 0</i>
	<i>Tapesia campus: 30</i>	<i>Tapesia campus: 0</i>
	<i>Kharghuli campus: 5</i>	<i>Kharghuli campus: 0</i>
<i>Laboratories</i>	<i>Total : 57</i>	<i>Total : 0</i>
<i>Seminar Halls</i>	<i>Azara campus:1</i>	<i>Azara campus:0</i>
	<i>Tapesia campus: 5</i>	<i>Tapesia campus: 4</i>
	<i>Kharghuli campus:1</i>	<i>Kharghuli campus:0</i>
<i>Classrooms with LCD facilities</i>	<i>63</i>	<i>25</i>
<i>Classrooms with Wi-Fi/ LAN</i>	<i>66</i>	<i>25</i>
<i>Seminar halls with ICT facilities</i>	<i>7</i>	<i>4</i>
<i>Video Centre</i>	<i>1</i>	<i>0</i>
<i>No. of important equipments purchased (\geq 1-0 lakh) during the current year.</i>	<i>10</i>	<i>0</i>
<i>Value of the equipment purchased during the year (Rs. in Lakhs)</i>	<i>28</i>	<i>0</i>
<i>Others</i>		

4.2 Library as a Learning Resource			
4.2.1 Library is automated {Integrated Library Management System (ILMS)}			
Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
<i>Azara campus: KOHA</i>	<i>Azara: Adequately (Circulation, OPAC, Cataloging, Patron Management, Report Generation, Library Administration)</i>	<i>Azara: 16.05.11.00</i>	<i>Azara: 2009</i>
<i>Tapesia campus: KOHA</i>	<i>Tapesia: Partially</i>	<i>Tapesia:16.05.11.00</i>	<i>Tapesia: 2013</i>
<i>Kharghuli campus: KOHA</i>	<i>Kharghuli: Partial (circulation, OPAC, Cataloguing, Patron Management)</i>	<i>Kharghuli: 16.05.11.000</i>	<i>Kharghuli: 2013</i>

4.2.1 Library Services:						
	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	21,004	Rs. 16,03,486	1909	Rs. 5,62,405	22913	Rs. 21,65,891
Reference Books	3406	Rs. 2,86,924	180	Rs. 3,200	3586	Rs. 2,90,124
e-Books	700				700	
Journals	72	Rs. 1,88,330	15	Rs. 4,500	87	Rs. 1,92,830
e-Journals	4420		796		5216	
Digital Database	6	Rs. 13,67,799	2	Rs. 2,82,133	8	Rs. 16,49,932
CD & Video	1026				1026	
Library Automation	Yes					
Weeding (Hard & Soft)	Total weeding out during the year: 300 numbers					
Others (Specify)	Magazines subscribed- 23, Thesis kept- 17, Project reports kept-259					

4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala), CEC (Under Graduate), SWAYAM, other MOOCs platform, NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc.			
Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
<i>Hemashree Bordoloi</i>	<i>Matlab</i>	<i>Wordpress</i>	<i>July 2017</i>
<i>Kausthav Pratim Kalita</i>	<i>Advanced C & Data Structures</i>	<i>Moodle</i>	<i>January 2018</i>

4.3 IT Infrastructure									
4.3.1 Technology Upgradation (overall)									
	Total Computers	Computer Labs	Internet	Browsing Centers	Computer Centers	Office	Departments	Available Bandwidth	Others
Existing	689	10	1114 MBPS	7	8	22	18	1114 MBPS	No of computers in DBU-Global=07 and No.of computers in library(Azara)=08 , No. of Laptops in Library(Tapesia)=40
Added	50	1							
Total	739	11	1114 MBPS	7	8	22	18	1114 MBPS	55

4.3.2 Bandwidth available of internet connection in the Institution (Leased line)
1024 Mbps (Azara), 20 & 50 Mbps (Tapesia) + 20 Mbps (Kharghuli)
Total 1114 Mbps

4.3.3 Facility for e-content	
Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
ICT Lecture Hall, Govt. Of India funded, (Room No 414, Fourth Floor, Azara Campus)	https://drive.google.com/open?id=1mscdS5enDA_vcd-9vcb_xY-FtHjW6hB7

4.4 Maintenance of Campus Infrastructure			
4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year			
Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
Rs. 1,82,43,500	Rs. 1,83,09,685.42	Rs. 2,06,05,000	Rs. 2,05,91,913.7

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

Assam Don Bosco University has standard procedures and policies for maintaining and utilizing physical and support facilities, as described in the following.

- The University has a Development Officer for overseeing the maintenance of buildings, classrooms and laboratories. He works in with a group of dedicated maintenance and support staff to ensure that the buildings, equipments, and all other infrastructural facilities of the University are continually kept in good condition. It is his responsibility to ensure the cleanliness of the facilities and the surroundings.*
- The development officer also coordinates the university's efforts for disaster preparedness (like fire, earthquake, etc). He is responsible for conducting mock drills with staff and students for disaster preparedness. Apart from the indoor facilities, he also sees to the maintenance of the outdoor areas such as- playground, parking areas, lawns, gardens etc.*
- Infrastructure related problems are attended to promptly by the maintenance staff under the supervision of the Development officer. A series of process maps and SOPs have been developed for maintenance and various purchase activities connected to infrastructural maintenance.*
- As a policy, faculty members, staff, lab assistants, drivers and other service personnel are given responsibility to maintain the equipments under their supervision and report to the Development officer if additional maintenance assistance is required for those equipments.*
- Any incident beyond the scope of SOP is reported to the Development Officer, who assigns the task to a team of capable and dedicated maintenance personnel within the university itself.*
- External equipment manufacturers are referred to when efforts within the university fail.*
- For maintenance of equipment, computer, elevators, etc., the university has AMC with relevant agency.*

Weblink to the information is-

<https://drive.google.com/file/d/0B9qQWpdD5pHqbHh5RU5lMGhFeFk/view>

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	<i>ADBU Fee Waiver</i>	<i>24</i>	<i>17,52,500</i>
	<i>Cash reward for toppers</i>	<i>48</i>	<i>48,000</i>
Financial support from other sources			
a) National	<i>Ishan Uday</i>	<i>32</i>	<i>7,800 per month per student</i>
	<i>Railways Technical Scholarship</i>	<i>10</i>	<i>9,000 per semester</i>
	<i>Ex servicemen welfare scholarship</i>	<i>01</i>	<i>13,500</i>
	<i>Tea tribes community scholarship</i>	<i>03</i>	<i>35,000 per student</i>
	<i>Railway technical scholarship</i>	<i>03</i>	<i>1,500 per month per student</i>
	<i>Merit cum means scholarship from ministry of minority affairs</i>	<i>92</i>	<i>30,000 per student</i>
	<i>Scholarship for Disabled</i>	<i>01</i>	<i>1,500 per month</i>
	<i>NHPC</i>	<i>03</i>	<i>10,000 per student</i>
	<i>PMSS for dependent ward of ex serviceman</i>	<i>01</i>	<i>27,000 per annum</i>
	<i>SUHRID</i>	<i>01</i>	<i>10,000</i>
	<i>INSPIRE SCHOLARSHIP</i>	<i>01</i>	<i>60,000</i>
	<i>Umbrella scheme for ST students of Meghalaya</i>	<i>01</i>	<i>14,000</i>
b) International	<i>NIL</i>		

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
<i>Personality development classes</i>	<i>Every semester</i>	<i>All B.A. and PG students</i>	<i>School of Humanities and Social Sciences (SHSS), ADBU</i>
<i>Personal counselling as well as mentoring</i>	<i>Mentoring provided to the students on a weekly basis and a thorough follow up of the records from time to time</i>	<i>All B.A. and PG students</i>	<i>School of Humanities and Social Sciences (SHSS), ADBU</i>
	<i>A file is maintained for each student by the</i>	<i>All UG and PG students</i>	<i>All Departments of the University</i>

	<i>mentors to keep a track of their progression.</i>		
	<i>Content of the official records are maintained for each mentee, and this is used to issue Proficiency Certificates at the time of completion their degree</i>	<i>All UG and PG students</i>	<i>All Departments of the University</i>
<i>Counselling services provided to the students of the entire university</i>	<i>When referred</i>	<i>All UG and PG students</i>	<i>School of Humanities and Social Sciences (SHSS), ADBU</i>
<i>NET Coaching</i>	<i>August 2017</i>	<i>MSc. Psychology third semester students</i>	<i>Department of Psychology, ADBU</i>
<i>Personal Counselling and Mentoring</i>	<i>May 29, 2018</i>	<i>27</i>	<i>School of Life Sciences, ADBU</i>
<i>Counselling Sessions</i>	<i>Every Saturday</i>	<i>All MBA Students (73)</i>	<i>Department of Management, ADBU</i>
<i>Team Building Exercises</i>	<i>Every 2nd Saturday</i>	<i>All MBA Students (73)</i>	<i>Department of Management, ADBU</i>
<i>Extension Lectures</i>	<i>Every 3rd Saturday</i>	<i>All MBA Students (73)</i>	<i>Department of Management, ADBU</i>
<i>Industry Visits</i>	<i>Once each trimester</i>	<i>All MBA Students (73)</i>	<i>Department of Management, ADBU and Collaborating organizations</i>
<i>Case study method of study</i>	<i>September 2, 2017</i>	<i>All MBA Students (73)</i>	<i>IBS Hyderabad</i>
<i>Project based learning</i>	<i>November 29 – December 3, 2017</i>	<i>1st Year MBA (38)</i>	<i>Department of Management, ADBU and Rural Resource and Training Center, Siloam</i>
<i>Sentization Trip to Amguri, BTAD</i>	<i>November 19-20, 2017</i>	<i>2nd Year MBA (35)</i>	<i>Department of Management, ADBU and Don Bosco Institute Outreach Center</i>

<i>TALLY Sessions / Workshop</i>	<i>January 29 – February 3, 2018</i>	<i>All MBA Students (73)</i>	<i>Department of Management, ADBU</i>
<i>Remedial coaching (Tutorial)</i>	<i>(Monday to Friday) for one hour for each course</i>	<i>All students of B. Com first and second year students</i>	<i>Department of Commerce, ADBU</i>
<i>Bridge course for the science background students</i>	<i>2 hours during first two months of the semester</i>	<i>B.Com. first semester students</i>	<i>Department of Commerce, ADBU</i>
<i>Mentor meeting</i>	<i>5 to 9 February 2018- Phase-I 23-26 April 2018- Phase II</i>	<i>All students of B.Com.</i>	<i>Department of Commerce, ADBU</i>
<i>Personal counselling</i>	<i>Need based counseling is done on a regular basis by looking the attendance in class, participation in other activities etc.</i>	<i>For all students of B. Com.</i>	<i>Department of Commerce, ADBU</i>

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

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2017-18	<i>Tutorial classes for competitive examinations</i>	55	280	5	158

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

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
<i>NIL</i>		

5.2 Student Progression

5.2.1 Details of campus placement during the year					
On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
<i>ZOLACODE</i>	38	3	<i>ICCI Securities</i>	10	1
<i>TELECOM NETWORK SOLUTIONS</i>	25	18	<i>OYO Rooms</i>	8	0
<i>Makersloft Pvt. Ltd</i>	19	5	<i>XL Dynamics</i>	7	0
<i>Wipro</i>	15	2	<i>Reliance JIO</i>	4	2
<i>Genpact</i>	11	1	<i>Cease Fire</i>	9	1
<i>Garuda Power</i>	15	2	<i>Perfetti</i>	15	0
<i>Topcem</i>	25	3	<i>Northeast Now</i>	14	1
<i>TECH-LATEETUDE</i>	23	6	<i>Karvy Stock Booking Ltd.</i>	13	2
<i>Super Training Academy</i>	33	6	<i>ICICI Prudential</i>	18	6
<i>eNOAH SOLUTIONS</i>	9	1	<i>Topcem Cement</i>	2	1
<i>CSS CORP.</i>	12	1	<i>SM Group</i>	2	0
<i>JACKSON LIMITED</i>	10	1	<i>Oppo Mobiles</i>	4	2
<i>SIQES</i>	17	3	<i>Ernest and Young</i>	7	0
<i>DKD ENTERPRISE</i>	06	1	<i>Pune Institute of Bussiness and Management (PIBM)</i>	2	1
<i>LIBRESOFT PVT LTD</i>	16	3	<i>Bajaj Finance</i>	2	1
<i>ROYAL ENFIELD</i>	35	14	<i>Private High school/college</i>		3
			<i>Book publication company, Ekodus</i>		1
			<i>Pastuer Institute Shillong</i>		1
			<i>Self Employed</i>		2
			<i>Project work in GBP</i>		1
			<i>Training under BCIL in Bangalore</i>		1

			<i>Gems Academia International School Kolkata, Chillibreeze Meghalaya, Assam Project Child , Loreto Convent School , Shillong (Counsellor) Sovereign Health, Mind India</i>	8	6
			<i>Ayushman, Sahayika, Snehalaya, Kripa Foundation, Hope foundation, Project Child, Centre for Peace and Development, Existence, Enlighten Meditation Resort, Child Behaviour Therapy Centre</i>		20
			<i>Volunteering- FIDU Shillong, BIDS, NEEDS Jharkhand, Agra Social Service Society UP, Stepping Stones Center Bangalore, Christian Brothers Social Works Shillong, Shelter Home MSMHC Shillong, Women Resource Team Shillong, Shalom HVD House Guwahati, Meghalaya Livelihood Mission Tura, Social Service centre, Archdiocese of Shillong, ZEP, Catholic Diocese of Mizoram, Agra Social Service Society, UP, Jaipur Social service society, Rajasthan, Maîtri, Guwahati, Maîtri, Guwahati, Gandhi Ffellowship, Prerana, Jorhat, Chaitanya Institute for Mental Health , Pune</i>		35
5.2.2 Student progression to higher education in percentage during the year					

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2018	1	MSc	Physics	Centre for Plasma Physics (CPPIPR)	Ph.D
2017-18	9	MSc	Life Science	ADBU and NEHU	PhD
2017-18	02	BTECH	ECE	VELLORE INSTITUTE OF TECHNOLOGY AND SCHOOL OF TECHNOLOGY, ADBU	M.TECH
2017-18	06	BTECH	EEE	AEC, NERIST, IIT, ADBU	M.Tech., ME, MBA

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

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET		
SET		
SLET		
GATE	3 (Department of CSE, School of Technology, ADBU)	Noel Rittick Bar:CS18S34005090; Sannu Sharma: CS18834004290; Meghna Saikia : CS18S34005197;
GMAT		
CAT		
GRE		
TOEFL	1 (Department of EEE, School of Technology, ADBU)	0000 0000 3405 9514
Civil Services		
State Government Services		
Any Other		

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

Activity	Level	Participants
NERICT (North East Region Inter College Tournament)	Inter College (Regional level)	344

<i>D'Verve (Cultural Fest)</i>	<i>School level</i>	<i>358</i>
<i>Bosco Siade</i>	<i>University Level</i>	<i>129</i>
<i>Rangayan (Inter College Drama Competition)</i>	<i>State Level (All Assam)</i>	<i>72</i>
<i>Basic photography Training</i>	<i>School level</i>	<i>98</i>
<i>Dance Workshop</i>	<i>School level</i>	<i>24</i>
<i>Blood Donation Camp</i>	<i>School level</i>	<i>52</i>
<i>Library Day</i>	<i>Departmental level</i>	<i>73</i>
<i>Cultural Day</i>	<i>Departmental Level</i>	<i>73</i>
<i>JourNEI – Management Fest</i>	<i>State Level (All Assam)</i>	<i>115</i>

5.3 Student Participation and Activities

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

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2014BTE0081</i>	<i>Siva Agarwal</i>
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2014BTE0024</i>	<i>Meghna Saikia</i>
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2014BTE0041</i>	<i>Bishal Das</i>
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2015BTE0288</i>	<i>Jintu Kumar Das</i>
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2015BTE0147</i>	<i>Anisha Sharma</i>
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2016BTE0148</i>	<i>Mrietunjoy Sarkar</i>
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2015BTE0277</i>	<i>Vidhi Bagadia</i>
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2014BTE0170</i>	<i>Syed Nadeem Oyez Zikranul Haque</i>
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2014BTE0182</i>	<i>Reniyal Rahman</i>
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2015BTE0156</i>	<i>Sanjiban Roy</i>
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2016BTE0063</i>	<i>Sriparna Saha</i>
2018	<i>Smart India Hackathon</i>	<i>National</i>	<i>Technical</i>		<i>DC2016BTE0167</i>	<i>Jayantajit Gogoi</i>
2018	<i>2nd Prize – Ad Show (JourNEI-2018)</i>	<i>National</i>		<i>Ad-Show</i>	<i>DI2017MBA0014</i> <i>DI2017MBA0035</i>	<i>Ibashisha J Rapphap</i>

					DI2017MBA0039	Single Rose Lyngkhoi Rebec Lalzahawmi
2018	1 st Prize – Stock Market (JourNEI-2018)	National		Stock market	DI2016MBA0032 DI2016MBA0036	Teimikisyih MaduekeAda obi
2018	2 nd Prize – Stock Market (JourNEI-2018)	National		Stock market	DI2016MBA0023 DI2016MBA0016	O Divertlandsus ngi Lanuneken
2018	1 st Prize – Case Study (JourNEI-2018)	National		Case Study	DI2017MBA0005 DI2017MBA0003 DI2017MBA0033	Deon Singh Phanbuh Chumrenthun gTungoe Sanjay Wangpan
2018	3 rd Prize – Case Study (JourNEI-2018)	National		Case Study	DI2016MBA0025 DI2016MBA0036	Priyanka Singh MaduekeAda obi
2018	1 st Prize – Best Manager (JourNEI-2018)	National		Best Manager	DI2016MBA0036	MaduekeAda obi
2018	3 rd prize – Group Dance (JourNEI-2018)	National		Group Dance	DI2016MBA0028	Roseline Toppo & Grp.
2018	1 st Prize – Singing (JourNEI-2018)	National		Singing	DI2017MBA0001	Aibanteiskhe mWahlang
2018	2 nd Prize – Football (JourNEI-2018)	National	Football		DI2016MBA0013	John Micky Rapsang & team
2018	2 nd Prize – Ramp Walk (JourNEI-2018)	National		Ramp walk	DI2017MBA0022	MarikhoKayi na
2018	1 st Prize – Arm Wrestling (Royal Global School)	National	Arm Wrestling		DI2016MBA0036	MaduekeAda obi
2018	2 nd Prize – Stock market (Royal Global School)	National		Stock Market	DI2016MBA0007	Garry SkhemborAza relUmdor

2018	3 rd Prize – Poetry (Royal Global School)	National		Poetry	DI2017MBA0010	Emedaka S Lyngdoh
2017	Gold medal	District	100 m sprint		DC2016MSC0004	Miss Helmina Bhuyan
2018	Gold medal	State	100 m sprint		DC2016MSC0004	Miss Helmina Bhuyan
2017	-9th position (PRAJYUKTAM)	National	Guwahati Mini Marathon		DC2017BTE0179	Dinestar Lyngdoh
2018	Best Drama	National	EUPHUIS M2018	Drama	DC2016BTE0143	Farhana Yasmin
2017	Certificate of Merit-II position Foot ball	National	SPIRIT 2017 Football		DC2017BTE0013	Kekhriesetus Gilbert Solo
2017	POSITION Guwahati	National	PRAJYUKTAM-2017-I, Mini Marathon		DC2017BTE0014	Kekhriesetus Gilbert Solo
2018	Photography contest-3rd Position		World Heritage day	Photography contest	DC2016BTE0193	Libya Mary Wallang
2017	Techxetra 2017- 2nd Prize in Robo Soccer	National	Technical		MNE 7	Rony Kutum
2017	Techxetra 2017- 1st Prize in Obstacle race	National	Technical		MNE 7	Rony Kutum
2017	SPIRIT 2017- Certificate of Merit-II position Foot ball			Sports		Kitdor Khongtyngkut
2017	NERICT 2017- Certificate of Merit-I position Foot ball			Sports	MNE 7	Kitdor Khongtyngkut
2017	SPIRIT 2017- Certificate of Merit-II position Foot ball			Sports	MNE 7	Garnold Kharnaioir
2018	National Conference on Recent Advances in Science and Technology - Presented paper				MNE 7	Bakul Rabha

2017	Techxetra 2017- 1st Prize in Robowars	Technical			MNE 7	Apurba Kurmi
2017	Techxetra 2017- 1st Prize in Robowars	Technical			MNE 7	Nayan Jyoti Kakati

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

There are three different student bodies for representation of students on academic and administrative bodies under the university:

School of Technology

The School of Technology has an association which includes the representative body of students along with members from management, administration, faculty members and staff members. The student body is formed with the class representatives from every class. There are two representatives, one male and one female, who are elected or selected by the male and female students of the class, respectively. The student body is headed by three key leaders.

Viz; Student coordinator; Assistant student coordinator (Men); Assistant student coordinator (Women)

These three leaders elected by all are the Class Representatives (CRs) for one academic session.

The CRs take the lead role in all the day to day activities in the class. Any matter related to academics and administrations are referred by the CRs to appropriate authority as and when it becomes necessary. The CRs are also the members of the training and placement cell of the university by default. The student coordinator and assistant coordinator are members of the disciplinary committee and the core committee of the Director of School of Technology. Thus, they, on behalf of the whole student community take part in the decision making in the student centric decision making. Other than the three student coordinators, all other CRs are appointed as liaisoning representatives with sets of co-curricular and extra-curricular clubs of the school to play a decisive role in the planning and execution of the club activities. The sets of student activity clubs established for overall personality development and quality enhancement are as follows: Robotics, Circuitronix, Coding, Web designing, Civil engineering, Mechanical engineering, Basic Sciences, IoT and Cyber Security; Music and singing, Dance, Dramatics, Art and craft, Literary, Debating and Quiz, Sports (1. indoor games 2. outdoor games) and Photography Club.

Every club has its own student executive body which functions or operates under the guidance of faculty members as faculty advisor and club mentor.

School of Social Sciences, Fundamental & Applied Sciences, and Life Sciences

The School of Humanities and Social Sciences (SHSS)/ School of Life Sciences (SLS)/ School of Fundamental and Applied Sciences (SFAS) Association is a representative body of the Institute community. It endeavors to take advantage of every opportunity to create and sustain an environment that nurtures life in its fullness, for every member of its community and set it on the path of excellence. SHSS/SLS believes that progress is possible only with the involvement of all the stakeholders in the Institute- the students, the staff, the faculty and the management. The SHSS/SLS/SFAS Association consists of elected representatives from the students, nominated representatives from the staff and faculty. Each member ought to exemplify what is best in a Bosconian- integrity of life, commitment to one's responsibilities and constant pursuit of excellence.

Members of the SHSS/SLS Association shall not be members of unions and other organizations. The term of membership in the Association is one year. A member may be nominated or elected again.

Members of the Association put forward for consideration, the concerns, views and welfare of the stakeholders they represent. However, the members shall shun partisan agenda and work towards realizing the aims of the Association. The concerns of any stakeholder shall be the concern of the entire Association.

Members of the Association strive for the welfare and development of the Institute. The Association will take charge of the organization of the Annual Cultural Fest, Co –curricular activities like quiz, debate competitions, fresher’s socials, farewell for outgoing members of the Institute and any other activities specifically requested by the Chairperson. Most of these activities will be implemented through the sub-committees constituted for the purpose. It shall have faculty members of the Association as advisors and student members of the Association as secretaries. Such committees shall induct other faculty members and students of SHSS/SLS in their activities

School of Commerce and Management

At School of Commerce and Management a total of 4 (Four) students’ groups are created and it is mandatory for each student to join any one of the groups. Each group is represented by one group leader from 1st year and 2nd year respectively. The groups are named Nehru, Kalam, Patel and Gandhi. One student from the final year is selected as a Group Captain. Student related activities are divided among the groups. For example, the morning assembly is undertaken by group members that includes a morning speech. The scoring from each activity is recorded and a winning group is decided depending on performance throughout the year. This way the students remain engaged and their participation level increases.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

Yes.
The Assam Don Bosco University Alumni Association (AAA) came into being in April, 2014 and since then has been actively involved in the various activities related to the Alumni of the University. The General activities of the ADBU Alumni Association include the following:

- a. Creation, updation and maintenance of ADBU Alumni Database*
- b. Uploading ADBU alumni database*
- c. Updating the alumni of ADBU with the developmental activities of the University.*
- d. Assist the University for arranging talks from the alumni and other corporate sectors.*
- e. Promoting student, alumni and faculty interaction.*
- f. Involving the alumni in social activities.*

5.3.2 No. of registered Alumni: 497

5.3.3 Alumni contribution during the year (in Rupees) : 1,06,000

5.3.4 Meetings/activities organized by Alumni Association : One (Took place on 20 October 2017)

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

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

The university nurtures a culture of participative management and decentralization through a number of activities and initiatives. This is often achieved by regular faculty and staff meetings, departmental meetings and meetings of various representatives' bodies. These meetings are consultative in nature and are aimed to include the opinions of the fraternity in the process decision making. Besides, annual appreciation day is also celebrated. Two example of the practices of decentralization and participative management are:

1. Under the decentralized governance model, each department has the autonomy to decide and organize invited talks, GATE/NET/etc workshops, seminars, publish departmental newsletters and magazines, conduct industrial visits, etc. for the benefit of the students.

2. Each department presents their annual action plan to the respective Directors of school at the beginning of each year and this is being followed up. At the faculty level, faculty member are advisors and mentors in various clubs as well as committees and there are student representatives at various levels such as student association, Clubs, committees and IQAC, etc. The director of the school supervises the work of the department under their schools. Besides, faculty members submitted joint proposals and also wrote joint research papers.

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

Yes/No/Partial:

Yes

6.2 Strategy Development and Deployment

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

❖ Curriculum Development-

The university continuously strives to provide quality education through regular curriculum development. Some of the initiatives in this direction are:

- ✓ Implementation of the revised Elective Course System having options for credits from On-Line Courses.*
- ✓ Two training sessions organized on Outcomes Based Education model for curriculum design and revision.*
- ✓ Stating the Course Outcomes for all the courses offered by the University and implementing them for better mapping of Course Outcomes with the Programme Educational Objectives.*
- ✓ Review of the curriculum during the Board of Studies meetings of all the departments individually.*

❖ Teaching and Learning-

- ✓ Each department conducted Invited talks, Symposium, Seminars, Debates, Quizzes and paper presentations.*
- ✓ Industrial visits for the students were conducted by individual departments.*
- ✓ Use of participatory teaching-learning methodologies were adopted and reviewed during the departmental meetings.*
- ✓ Uses of online resources such as NPTEL, Swayam and MOOCs in teaching were augmented*

through institution-wide publicity and sensitisation initiatives.

❖ **Examination and Evaluation-**

- ✓ *Regulations of Examination and evaluation processes were strictly followed to maintain the standard.*
- ✓ *The task of internal marks entry in ERP was handed over to respective teachers, verification being done in the examination department.*
- ✓ *Question paper setting, moderation, answer script evaluation, scrutiny and timely result declaration norms were adhered to.*
- ✓ *Most of the processes involved in Examination and Evaluation processes were implemented through ERP.*

❖ **Research and Development-**

The board for Research, Innovation and Consultancy (BRIC) of ADBU was formed on 21st Aug, 2017 with an aim to support research at all levels, support innovation, provide consultancy by university personals, deal with protection of intellectual Property Rights and promote filing patents arising out of research in the university.

The various initiatives taken by the body are as follows:

- ✓ *Under the guidance of BRIC, twenty-two student projects were selected for funding by ASTEC.*
- ✓ *The IPR cell of the university was established.*
- ✓ *Three Patent applications have been filed till now.*
- ✓ *The committee also disseminates information to the faculties and students regarding funding agencies, related workshops, etc.*
- ✓ *MoU have been signed with Royal Enfield and Indian Institute of Entrepreneurship.*
- ✓ *The University provides consultancy to the IIE under Handloom Sector Development.*
- ✓ *As a part of Innovation drive and to generate awareness, a group of enthusiastic students have been sent for “IMPACT WEEK” – Design Thinking Workshop organized by Lufthansa and SAP Labs Pvt. Ltd, Germany.*

❖ **Library, ICT and Physical Infrastructure / Instrumentation-**

- *Koha Library automation Software is used to provide automation services to library users,*
- *An android App is developed by the University, for directly accessing the library OPAC and search for books.*
- *DSPACE Institutional Repository software is also used for library information search.*
- *For the maintenance Infrastructure and Instrumentation a systematic standard procedure has been implemented.*

Overall the infrastructure/Instrumentation is classified into two main categories:

1) Maintenance of immovable property: This is further categorised as:

(i) Periodic Maintenance- which includes white-washing (once in 3 years), General house-keeping, cleaning (annually).

(ii) Breakdown Maintenance- Maintenance and Rectification done in case of breakdown of any machinery/instrument.

2) Maintenance of Plants and Equipments: This is again categorized into:

(i) *Preventive Maintenance: This is further subdivided as : (a) Schedule A (monthly) and (b) Schedule B (once in 3 months)*

(ii) *Breakdown Maintenance- Maintenance and Rectification done in case of breakdown of any plant/equipment.*

In addition to these, re-calibration of all the equipments/instruments is done periodically as per the guidelines provided in instruction manuals.

❖ Human Resource Management-

Based on analysis of student feedback and the vision of the university, the following staff enrichment programmes were conducted:

1. Mind Mapping: For enabling faculty to incorporate a technique in their pedagogy to aid memory, recall, imagination and creativity of students.

2. Valuing Reflection for Transformation: to facilitate faculty to promote reflective classrooms and ensure that students are the producers, not just the consumers, of knowledge.

❖ Industry Interaction / Collaboration-

The following is a list of Industry Interaction /Collaborations:

✓ *Training Center by Royal Enfield at Azara campus of ADBU was established 4th of April, 2018. 38 students and Faculty members have undergone short term courses offered by RE.*

✓ *ADBU is registered with Internshala from the year 2015 onwards and in the current year, one student has cleared the interview and secured an internship.*

✓ *A MoU has been signed with RCPL in 2016 and in 2018, 48 students had undertaken the training under this scheme.*

✓ *An MOU was signed with Orion Edutech with an aim of mobilizing candidates for skill development through Japanese Language training.*

✓ *In association with PayTM, ADBU runs a Brand Ambassador program. We have been associated with NPTI (National Power Training Institute) from the year 2012 onwards for Summer Trainings, invited talks and specialized lecture in the power sector. In the last summer, 3 students have undergone a 2 weeks training program at NPTI.*

❖ Admission of Students-

The following strategies were adopted to improve the admission scenario of the university.

✓ *University banners, bookmarks and posters were designed and carried along by faculty members and students for distribution in various parts of North East India.*

✓ *Awareness programs on various emerging topics were conducted in junior colleges of Assam as well as other North-eastern states, by the faculty members.*

✓ *Advertisement of the different activities of the university through social media.*

✓ *To create awareness amongst students towards science and technology, “Anveshan: Student Research Convention”, an exhibition of research projects by students was organized.*

✓ *Short video clips of the university were made and broadcasted in social media.*

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

❖ Planning and Development:

JIL Information Technology Ltd.,

“L&T Chambers” 5th Floor, Unit 502, 16- Camac Street Kolkata - 700017

prithwish.chakraborty@jalindia.co.in
 Phone: +91-33 – 22895103 – 06
 Fax: +91-33 – 22895107; Year of Implementation 2016

❖ **Administration:**

JIL Information Technology Ltd.,
 “L&T Chambers” 5th Floor, Unit 502, 16- Camac Street Kolkata - 700017
prithwish.chakraborty@jalindia.co.in
 Phone: +91-33 – 22895103 – 06
 Fax: +91-33 – 22895107; Year of Implementation 2016

❖ **Finance and Accounts:**

Head Office (India)
Tally Solutions Pvt. Ltd.
 AMR Tech Park II, No. 23 & 24, Hongasandra,
 Hosur Main Road, Bengaluru - 560068, India
 Phone: +91 80 30682559,
 Fax: 080-30682560; Year of Implementation 2016

❖ **Student Admission and Support:**

JIL Information Technology Ltd.,
 “L&T Chambers” 5th Floor, Unit 502, 16- Camac Street Kolkata - 700017
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 Phone: +91-33 – 22895103 – 06
 Fax: +91-33 – 22895107; Year of Implementation 2016

❖ **Examination:**

JIL Information Technology Ltd.,
 “L&T Chambers” 5th Floor, Unit 502, 16- Camac Street Kolkata - 700017
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 Phone: +91-33 – 22895103 – 06
 Fax: +91-33 – 22895107; Year of Implementation 2016

6.3 Faculty Empowerment Strategies

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

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	Saugata Purkayastha		Focus Area Science Technology Summer Fellowship	Rs. 30,000

6.3.2 Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year					
Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2018	<i>Valuing Self-Reflection</i>	<i>Valuing Self-Reflection</i>	<i>23rd-24th February 2018</i>	115	15
2017	<i>Mind Mapping-Developing a culture of Innovation</i>	<i>Mind Mapping-Developing a culture of Innovation</i>	<i>10th-11th July 2017</i>	120	20

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

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
<i>UGC Sponsored Orientation Programme</i>	1	<i>04-12-2017 to 31-12-2017</i>
<i>FDP on Advances in Renewable Energy Technologies and Systems</i>	1	<i>19-02-2018 to 24-02-2018</i>
<i>Foundation Program in ICT for Education</i>	2	<i>08-03-2018 to 12-04-2018</i>
<i>FDP on RF Design</i>	1	<i>17-12-2017 to 22-12-2017</i>
<i>Effective Engineering Teaching in Practice</i>	1	<i>February - March 2018</i>
<i>GST & Students Employability</i>		<i>17-02-2017</i>
<i>Two-week ISTE STTP on Electric Power system</i>	1	<i>12-06-2017 to 08-07-2017 and 10-07-2017 to 15-07-2017</i>
<i>Capacity Building Workshop-cum-Brainstorming Meeting On River Ecosystems and Fresh Water Biodiversity Research (REFRESH 2018)</i>	1	<i>02-02-2018</i>
<i>Foundation Program in ICT for Education</i>	8	<i>03-08-2017 to 07-09-2017</i>
<i>Pedagogy for Online and Blended Teaching-Learning Process</i>	8	<i>14-09-2017 to 12-10-2017</i>
<i>National Information System for Climate and Environment Studies (NICES) and its activities</i>	1	<i>29-01-2018</i>
<i>National workshop on Nanotechnology</i>	1	<i>29-01-2018 to 03-02-2018</i>
<i>Summer Internship Programme on Embedded System: Texas Instruments-Tivac-C Series microcontroller & IoT Application Design</i>	1	<i>04-06-2018 to 16-06-2018</i>
<i>International Symposium on Signal and Image Processing</i>	1	<i>01-11-2017 to 02-11-2017</i>
<i>AMAZING NANO-2018, One week National workshop on Nanotechnology,</i>	2	<i>29-01-2018 to 03-02-2018</i>
<i>Two weeks Faculty Development Programme on Embedded Systems</i>	2	<i>4-06-2018 to 16-06-2018</i>
<i>AICTE-QIP Short term course on Advanced Computing tools in Civil Engineering in IIT Kharagpur</i>	2	<i>05-03-2018 to 09-03-2018</i>
<i>Elements of Learner Centric MOOCs</i>	1	<i>03-05-2018 to 23-05-2018</i>

<i>Pedagogy for Online and Blended Teaching-Learning Process-FDP201x</i>	<i>1</i>	<i>03-05-2018 to 30-05-2018</i>
<i>FDP on Recent Trends in Energy Sector</i>	<i>2</i>	<i>18-06-2018 to 23-06-2018</i>
<i>National Workshop on Popularisation of Remote Sensing Based Maps and Geospatial Information</i>	<i>1</i>	<i>11-08-2017</i>
<i>3rd ISI NE Workshop on Computing: Theory and Applications, NIT Meghalaya, Shillong</i>	<i>1</i>	<i>19-02-2018 to 24-02-2018</i>
<i>GIAN Course on When Good Algorithms Yield Bad Software, Tezpur University, Tezpur</i>	<i>1</i>	<i>20-11-2017 to 24-11-2017</i>
<i>Entrepreneurship Faculty Educator Program</i>	<i>1</i>	<i>13-09-2017 to 17-09-2017</i>
<i>Case based learning methodology for Business Schools</i>	<i>6</i>	<i>09-02-2017</i>
<i>Two-Day National Workshop on Family Therapy at Gauhati University</i>	<i>1</i>	<i>03-02-2018 to 04-02-2018</i>

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment): (2017-18)

Teaching		Non-teaching	
Permanent Part Time (adjunct)	Permanent Fulltime	Permanent	Permanent Fulltime
<i>7</i>	<i>25</i>		<i>21</i>

6.3.5 Welfare schemes for:

Teaching/Non-Teaching	<p><i>The welfare schemes for teaching and non-teaching</i></p> <ol style="list-style-type: none"> <i>1. Personal and Professional Development programs</i> <i>2. Fee waiver of Rs. 10,000 (Rupees Ten Thousand only) on the annual fee of the programme for faculty pursuing PhD programme at the University. Over and above this waiver, they are able to avail of up to Rs. 10,000 (Rupees Ten Thousand only) as Professional Development Fund Allowance.</i> <i>3. Financial support during emergency and also Financial support for attending conference and workshop</i> <i>4. Contributory and voluntary Group Medical Insurance for teaching and non-teaching staff members for ease in accessibility to comprehensive health services.</i> <i>5. The University has Assam Don Bosco University Cooperative Society which is registered under the Assam State Cooperative Societies Act 2007.</i> <i>6. Hygienic working environment, well maintained, individual work stations.</i> <i>7. The University implements the ESI (Employees' State Insurance) as per mandate for eligible (only for non-teaching staff)</i> <i>8. Paid Maternity leave of 6 months and paternity leave of 10 days.</i>
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<p>Students</p>	<p><i>The student welfare schemes undertaken by ADBU are as follows:</i></p> <ol style="list-style-type: none"> 1. <i>The Career Guidance cell under its umbrella covers the academic advancement of the students where experienced teachers guide the interested students in choosing a specialized course of higher studies.</i> 2. <i>The training and placement cell apart from facilitating the placement and training activities also prepares students for GD, PI and Aptitude tests.</i> 3. <i>The EDIC cell encourages and guides students towards entrepreneurship.</i> 4. <i>The continuing education cell encourages the students to learn beyond their curriculum requirement by introducing them to various MOOCs, SWAYAM and NPTEL courses.</i> 5. <i>The University in its pursuit towards academic excellence has introduced ADBU scholarships for meritorious students and economically backward students.</i> 6. <i>Furthermore there are various co-curricular and extra-curricular clubs for students which help in bringing out the inner talents of the students. These clubs organizes intra and inter institutional Fests like D'Verve, Bosco Siade and Prajyuktam.</i> 7. <i>Student Development Programs are conducted for the students are organized every year where apart from the regular activities like team building and personality development, the students are also taken to various old age homes and orphanages.</i> 8. <i>The Health Care Unit of the University organises Blood Donation Camps where the students are encouraged to donate blood. All these activities are organized to create awareness amongst the students of their responsibilities towards the society.</i> 9. <i>The students also visit the calamity affected areas to lend a helping hand towards the people in need.</i> 10. <i>The University also takes care of the health of its students by organizing free annual health check-up camps and every campus of the University also has infirmaries for catering to the health issues of the students in a daily basis.</i> 11. <i>The campus minister and the Psychological Counselling cell help students overcome various psychological related issues.</i> 12. <i>For meeting special needs of its female students, there is a Gender Amity Committee that takes care of gender based grievances.</i>
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6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Internal and external audit of Assam Don Bosco University:

The University has appointed statutory external auditors, M/S HK Agrawala and Associates, who regularly audit the accounts of the University for the past several years. As the University is still in its developmental stage and the areas of finance handled by the University Finance Department are limited, an internal audit mechanism has not yet been put in place. Instead, the Accounts Officer and the Development Officer review weekly the state of the accounts and major expenditures with the Vice Chancellor, thereby having checks and balances in place.

The external auditors audit the accounts of the University in December and April every year – in December for the period April to December, and in April for the final audit. This practice is also intended as a measure of checks and balances with a view to correct any shortcomings and to advice on proper practices.

As indicated above, the accounts of the University are regularly audited by M/S HK Agrawala and Associates.

So far, there has not been any audit objections.

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

Name of the non-government funding agencies / individuals	Funds / Grants received in Rs.	Purpose
<i>Dr. Ercole Luccini</i>	<i>1,93,20,611.00</i>	<i>Education</i>
<i>Dr. Ercole Luccini</i>	<i>1,89,45,679.00</i>	<i>Education</i>
<i>Dr. Ercole Luccini</i>	<i>1,99,30,949.00</i>	<i>Education</i>
<i>University college of Dublin International Centre</i>	<i>12,64,068.00</i>	<i>Education</i>
<i>University college of Dublin International Centre</i>	<i>84,153.00</i>	<i>Education</i>
<i>Salesians of Don Bosco</i>	<i>1,72,446.00</i>	<i>Education</i>

6.4.2 Total corpus fund generated: Rs. 5,97,17,906.00 (*Rupees Five Crore Ninety Seven Lakh Seventeen Thousand Nine Hundred Six only*)

6.5 Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	<i>No</i>		<i>No</i>	
Administrative	<i>No</i>		<i>No</i>	

6.5.2 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Efforts made by the University to promote autonomy are reflected in the following activities.

- 1. Online filling of class-test, internal assessment marks, lab marks, attendance, etc. are assigned to the respective faculty members.*
- 2. Constituent Schools have local committees for regulating and maintaining the standard in all aspects such as teaching learning, admission process, research climate, career guidance, etc.*
- 3. The HOD in consultation with the faculty members identifies internal shortcomings (if any) and takes quality measures and ensures that the activities as well as the teaching learning processes of the department are in alignment with the mission and vision of the University.*

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

- 1. Every year annual Parents- Teacher Meet is organized. Here the prime objective is the interaction of parents with the respective mentors of their wards, teachers and also with the college management. Beside parents are encouraged to give their valuable feedback on any matter so that appropriate actions can be taken.*
- 2. There is a Parent representative in IQAC.*
- 3. Parents are an active part of the mentoring and counselling activity. They are contacted on need basis by*

the mentor of their ward for any issue of concern.

6.5.4 Development programmes for support staff (at least three)

1. 10th-11th July 2017: *Mind Mapping.*
2. 23rd-24th February 2018: *Valuing Self Reflection.*
3. 26th 27th August 2017: *Vanitagrata-Computer Literacy Programme.*

6.5.5 Post Accreditation initiative (s) (mention at least three):

1. *Framework for creation of a central database containing all crucial information regarding publication, research, achievement, events, activities, etc.*
2. *Formulation of Course Outcomes for all the courses of the university.*
3. *Adopting AICTE proposed curriculum for all B.Tech. courses of the University for the next academic year.*

6.5.6

- a. **Submission of Data for AISHE portal** : (Yes /No)- *Yes.*
- b. **Participation in NIRF** : (Yes /No)- *Yes.*
- c. **ISO Certification** : (Yes /No)- *Yes.*
- d. **NBA or any other quality audit** : (Yes /No)- *In Progress.*

6.5.7 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from----- to-----)	Number of participants
2017	<i>Workshop on new assessment methodology of NAAC</i>	<i>5th July 2017</i>	<i>5th July 2017</i>	<i>89</i>
2017	<i>Dissemination of information regarding NAAC assessment process to the students, parents and alumni for their involvement in quality improvement aspects of the University</i>	<i>Started on 26th July 2017</i>	<i>July-November, 2017 and January-May, 2018</i>	<i>Total number of participants= 800 (approx.)</i>
2017	<i>Faculty Development Programme on 'Case Based Learning Methodology for Business School' by Prof. Debapratim Purkayastha, Associate Dean, IBS Hyderabad</i>	<i>2nd September 2017</i>	<i>2nd September 2017</i>	<i>8</i>
2017	<i>Applying for ISO certification for the Mechanical Workshop of the</i>	<i>18th September 2017</i>	<i>July to September 2017</i>	<i>14</i>

	<i>University</i>			
<i>2017</i>	<i>Participated in NIRF 2017</i>	<i>1st October 2017</i>	<i>October to December 2017</i>	<i>30</i>
<i>2017</i>	<i>Preparation and Submission of AQAR to NAAC</i>	<i>December 2017</i>		<i>35</i>
<i>2017</i>	<i>Submission of SSR to NAAC</i>	<i>23rd October 2017</i>	<i>July to October 2017</i>	<i>105</i>
<i>2018</i>	<i>Meeting of IQAC</i>	<i>3rd February 2018</i>	<i>3rd February 2018</i>	<i>23</i>
<i>2018</i>	<i>Meeting of IQAC</i>	<i>9th May 2018</i>	<i>9th May 2018</i>	<i>23</i>

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Title of the programme	Period (from-to)	Participants	
		Female	Male
Social Surfing 3.0- Workshop on Online Safety	21 st - 22 nd August, 2017	54	46

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

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

Environmental Consciousness and Sustainability:

Assam Don Bosco University is committed to “zero waste” and reducing the environmental impact of its activities through its philosophy of “reduce-reuse-recycle”. A prudent budgeting approach is adopted in what we purchase as a first step towards reducing waste. Over the years, the University’s recycling scheme has included office stationery, electronics, laboratory material and furniture.

- *Solid waste: The entire tea plantation of 120 acres on the campus is organically nurtured from the vermicompost produced from the bio waste of the University campus. Vermicompost is produced at the campus from the bio waste matter of the University as organic nutrients for the plantations with the firm endeavour of promoting recycling of waste and dissemination of the practice of organic farming. The eco-friendly waste management system involves a magnetic flux created with controlled oxygen presence which ensures the complete combustion of waste decomposing municipal solid waste material into ash. During the destruction process there is no odour, flies or leaching of contaminants*
- *Liquid waste: The University adheres to a strict protocol of liquid waste disposal in its laboratories. Any glassware used in the laboratory is rinsed with minimum water and placed in the liquid waste container. The liquid waste is segregated into organic and inorganic waste. Inorganic waste such as concentrated acidic or alkaline solutions is neutralized before disposal. Sodium bi-carbonate or Calcium oxide (lime) is used for the neutralization process so that the neutralized liquid contains no harmful substance. The organic waste yield of the University is limited till date and therefore treated with cow dung for decomposition due to the action of micro-organisms.*
- *E-waste: The University has optimised its inventory of 577 computers through reassembling, modification and upgradation by the University’s own team of IT Administrator, faculty members and students of Computer Science Engineering and Information Technology. This has been a critical endeavour towards E-waste management ensuring that no discarded computers or printers are lying idle in the office premises. This E-waste drive has also benefitted the social commitment programme, “Swabhalamban” by training unemployed youth in maintenance of computers.*

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

Power Requirement of the university met by the renewable energy sources: 320 KW(Peak)

Total Power requirement: 621 kW (Connected load at Azara- 207 kW, Tapesia- 214 kW, Kharghuli- 200 kW)

Renewable Energy Source: Solar

Total Lighting Requirements: 54.5KW

Percentage Lighting through LED bulbs: 67%; other sources: 33%

7.1.3 Differently abled (Divyangjan) friendliness		
Items Facilities	Yes/No	No. of Beneficiaries
<i>Physical facilities</i>	<i>Yes</i>	<i>01 (Only 1 student is differently abled)</i>
<i>Provision for lift</i>	<i>Yes</i>	<i>01 (Only 1 student is differently abled)</i>
<i>Ramp/ Rails</i>	<i>Yes</i>	<i>01 (Only 1 student is differently abled)</i>
<i>Braille Software/facilities</i>	<i>Yes</i>	<i>01 (Only 1 student is differently abled)</i>
<i>Rest Rooms</i>	<i>Yes</i>	<i>01 (Only 1 student is differently abled)</i>
<i>Scribes for examination</i>	<i>No</i>	
<i>Special skill development for differently abled students</i>	<i>No</i>	
<i>Any other similar facility</i>		

7.1.4 Inclusion and Situatedness
Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2017	1	1	10th June to 8th July 2017	International Student Volunteer Exchange Programme, 2017	Strengthen the understanding of each other and creation of spirits of cooperation and collaboration among the community members of the intervention area in terms of ethnicity an religions (Karbi, Bodo, Assamese; Christians and Hindus)	25 Participants+11 students+ 8 faculty
					Enhancement in the understanding of volunteering from multi and intercultural perspectives for both ADBU and UCDVO members.	
					Created among the people the spirits of contribution towards their own improvement (community people contributed in kind and labour)	
					Strengthened the desire for education among the school children and youth of all the four villages.	

					<i>Curiosity among the youth on knowing about higher education (University studies) – options and scope.</i>	
					<i>Parents realizations of the importance of career guidance for their children.</i>	
			<i>18th July 2017- 18th September 2017</i>	<i>Assam Don Bosco University Disaster Response Programme</i>	<i>Distributed Stationery items (4 copies, pen, pencil, rubber and ruler) distributed to 500 children coming from flood-affected families</i>	<i>35 students +11 faculty</i>
					<i>Distributed Food items (3 kg of rice and biscuits) distributed to 500 households comprising families displaced by river-bank erosion of Brahmaputra -Sweets were distributed to all the children in the relief camp at Khatoni –</i>	
					<i>Distributed Clothes (used and in usable condition) were distributed to people who were in utmost need</i>	
					<i>Help in providing psycho-social support to flood survivors for their mental well-being as they live with trauma and grief</i>	
			<i>24th – 28th July, 2017</i>	<i>Summer School Programme for High School Students</i>	<i>The students realized the importance of the four Skills, viz. Listening, Speaking, Reading & Writing (LSRW) and Grammatical Competence or the Usage of correct Grammar in English language. The students learnt how to effectively prepare for examination.</i>	<i>65 participants</i>
					<i>The students learnt how to cope up with stress and what to do to relax themselves to revive their energy.</i>	<i>8 faculty members</i>
					<i>The students have a better understanding of their body and their health as teenagers.</i>	

		1	6th August-5th November 2017	Capacity Building Workshop On Understanding Child Growth and Development	The Anganwadi Workers and Helpers of Dimoria Block (Integrated Child Development Scheme -ICDS) Sonapur, Assam had a better Understanding on Child Growth and Development	14 students, 4 faculty members
		1	12th and 14th of September 2017	Swastyayan: Essay and Speech Competition	The theme of the Essay and Speech competition was on cleanliness with the aim of spreading awareness among its students as well as to encourage responsible actions.	78 students and 3 faculty members participated
		1	10 th October 2017	Science Talent Hunt Day	To promote the ideals and importance of science in everyday life	74 students and 6 faculty from ADBU, 25 students and 5 teachers from 4 different schools in Sonapur area
		1	26th October 2017	Swastyayan: Drawing Competition	Creating awareness among the children about the need to protect and safeguard the Mother Earth and the environment	40 participants, 4 students and 2 faculty members
		1	28th October 2017	Swastyayan: Skit Competition	Awareness was created through the skits on issues like Child Labour, Abuse, and Bullying Nature	
		1	11th November 2017	Community Children's Day Programme	Creating a space for the children to develop healthy competition and a fun environment for them to enjoy their special day.	130 participants, 30 students, 1 faculty member
		1	20th November 2017	International Child Rights Day Celebration	Awareness was created on child rights to the student community.	30 students, 1 faculty

	1		27th November - 2nd December, 2017 (1 week)	Swabalamban	Free training on electrical house wiring for the for unemployed youth to earn livelihood	Staff =5
	1		6th to 11th December, 2017 (1 week)	Swabalamban	To train the participants in the field of Welding-fitting & Blacksmithy for mechanical fabrication, DTP & PC maintenance and Design of Solar Powered Chargeable LED to earn livelihood lamps.	Staff=20
		1	10th - 22nd December 2017	Volleyball Coaching Camp	The participants learned to work as a team as team spirit helps them in winning the game. The participants' self-esteem was enhanced. The participants learned to accept failures and victory and just enjoy the game. Hence, promote healthy competition. The participants had form a Village Volleyball Club where they can practice every week and build on their skills and tactics. The participants feel a sense of belonging and value with their team. It builds the confidence of the participants.	22 participants, 1 coach, 1 faculty member, 3 students
	1		11th December - 15th December 2017 (1 week)	Swabalamban	To enhance theoretical knowledge of educated unemployed youth who want to pursue computer-aided drafting/technical drawing works as a means of livelihood	Staff=5
2017-2018		1	16th August 2017 to 16th May 2018	Community led Improvement Initiatives	Awareness creation Coaching for poor students	40 students and 7 staff
		1	11th September -10th November 2017 and 26th February-	Swastyayan	Free evening tutorial classes on Mathematics, Science and English for students of Class VII, IX and X of the Azara locality	Students 100 and Staff 17

			4th May 2018			
2018		1	29th January to 2nd February 2018	Kiddies Day Camp	Enhancing the psycho-social competence of the children in the children's home	7 alumni, 18 students
		1	Mar-18	Swastyayan, a student accompaniment programme	Enhance the academic performance of the high school students of The Tapesia area	20-25 participants, 3 faculty members
		1	March-May 2018	School Outreach Programme	Create awareness to the L.P. School students of their personal space, body safety rules and personal hygiene. Empower the child to resist and report child sexual abuse.	9 L. P School, 29 students, 3 faculty members
		1	16th -18th March 2018.	Women's Day Celebration in Goriaghuli, Jugdol, Upper Tapesia, Nam Tapesia, Patarkuchi and Jargaon Village.	Empowering women by providing awareness on their rights	100 participants, 5 faculty members, 30 students
		1	22/04/2018 for 3 hours	Awareness programme on Child education	To generate awareness on child education and school drop-outs among the parents in Kamarkuchi Village	Staff – 4, Student - 7
		1	5th May 2018	Swastyayan: Arts and Craft Exhibition cum Sale	Motivating its high school students to unleash their creative potential	20 participants, 3 students, 5 faculty
		1	12/5/18 for 3 hours	Street Play	Issues addressed: Alcoholism and Right to Education	Staff: 3, Student: 15

		1	9th June to 7th July 2018	International Student Volunteer Exchange Programme, 2018	The programme comprised elements of direct emersion of the volunteers into the communities which involved action-reflection-action process. They engaged in rapport building, mobilizing, needs identification, task assignment, planning (in consultation with the community members), engaging in carrying out various activities which included – renovation of Sanganwadi centers, promotion of use of sanitary toilets among children, cleaning of well, organising games, sports and workshops – health, hygiene, language, dance, music, art and crafts. They also created awareness among community members against lynching, witchcraft, domestic violence and alcoholism through a street play; and ‘Living Together in Harmony’ through a flash mob in the city of Guwahati.	14 Irish Volunteers , 12 ADBU students, 3 faculty members
		1	14-15 July 2018	Data Boot Camp	To promote data driven reporting, data mining, visualization and build collaboration between journalists, doctors, data researchers and policymakers	Staff: 4, Students: 15

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
Code of ethics and behavioral guidelines	2 nd July 2017	The code of ethics and behavioural guidelines is published in: http://www.dbuniversity.ac.in/Code-of-Ethics.php . This Code of Ethics lays down norms of behaviour for the more important contexts of life in a university. These guidelines, however, are not exhaustive. Any conduct that

		<i>goes against the letter and spirit of these principles and norms will be considered a violation of this Code. This code invites every Bosconian to ‘carpe diem’ - seize the day, make timely use of every opportunity and experience ‘life in its fullness’.</i>
<i>Professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions and Employee Manual</i>	<i>2nd July 2017</i>	<i>Details are available in the link- https://drive.google.com/drive/folders/1foinO2DFhJaUf_rFHkbs3PiknTPXqjxv</i>
<i>Student Handbooks</i>	<i>2nd July 2017</i>	<i>Details are available in the link- https://drive.google.com/drive/folders/0B9qQWpdD5pHqQmhCLTFrYzZNVDA?usp=sharing</i>
<i>Student Prospectus</i>	<i>March 2018</i>	<i>Details are available in the link- http://www.dbuniversity.ac.in/pdfs/Prospectus-2018.pdf</i>

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
<i>World Earth Day observed As a small contribution towards building a clean, green environment the students also planted 75 medicinal plants within in the campus. Students also presented a skit to raise awareness on the importance of changing ourselves to preserve the environment from man-made pollution and destruction)</i>	<i>23rd April, 2018</i>	<i>65</i>
<i>Swastayan: Free evening classes for class 8,9 and 10 students of neighborhood area</i>	<i>It is a continuing Process wherein the students of the university voluntarily teach the students of the neighborhood.</i>	<i>94</i>
<i>Faculty Enrichment Program on ‘Valuing Self-Reflection’</i>	<i>23-24th February, 2018</i>	<i>115</i>

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

<ol style="list-style-type: none"> <i>1. Reduction in printing and use of only recyclable plastic, Storage of rain water for washing purposes</i> <i>2. Installation of roof top solar panels for energy generation and solar lighting by phasing out existing lighting equipment</i> <i>3. Plantation of trees around the campus as well as planting of saplings on World Environment Day</i> <i>4. Student awareness to maintain a clean campus and use of separate dustbins for biodegradable and non-biodegradable wastes in the campus</i> <i>5. Replacement of all light bulbs with LED bulbs for less energy consumption</i>
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7.2 Best Practices

Describe at least two institutional best practices

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

1. *Creation of an ambiance in the university where social commitment becomes an attitude, a challenge and a way of life, an essential constituent in the profile of a Don Bosco University Graduate.*

(http://www.dbuniversity.ac.in/social_committment.php)

2. *Creating and Sustaining an Eco-Friendly Campus with clear cut goals and priorities in the management of water resources, energy sources and consumption, preservation of flora and fauna, conservation of eco systems and wildlife, and productive use of the land’.*

(<http://www.dbuniversity.ac.in/Eco-Friendly-Campus.php>)

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust.

Provide the weblink of the institution in not more than 500 words

The distinctiveness of Don Bosco University consists primarily in creating for its faculty and students an ambiance that provides a ‘holding environment’ - a psychological space that is both safe and uncomfortable. ‘Safe’ because a ‘holding environment’ is what we all needs to grow and blossom, a supportive environment. ‘Uncomfortable’ because in such an environment one also promotes ‘disruptive creativity’.

Such an environment is the natural result of the following strengths of the university community:

- 1. It’s adherence to its foundational concepts that have laid out the trajectory of its growth plan.*
- 2. Its outstanding Human Resource Management system to ensure ‘a shared vision, a cohesive team and an engaging work culture’.*
- 3. Its meticulously planned and implemented personal and professional development programmes for its faculty and students.*
- 4. Its well-oiled governance structure and administrative mechanisms to ensure speedy implementation of all developmental plans.*
- 5. Its relentless efforts at attaining the best possible balance between growth and sustainability.*
- 6. Its manifest commitment to be responsible stewards of the extraordinary campus it is blessed with by a meticulous devotion to ensuring biodiversity, eco-consciousness and reverence for the gifts of nature.*

Taken together, these strengths have contributed in ample measure towards the creation of a culture in the University that is uniquely our own, that energises us in all that we do, and knits us together into one educative community.

Look around our campus, look into our classrooms and research labs, look into the camaraderie among our staff, students and faculty that cuts across all distinctions here at the campus... THAT is what we call Don Bosco’s system of education!

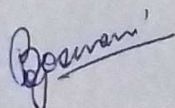
This ambiance, taken together with our multi-pronged social commitment programs involving every member of the faculty and students, results in moulding the typical Don Bosco university graduate who, because they work relentlessly at being intellectually competent, morally upright, spiritually inspired and socially committed, are bound to leave footprints wherever they go!

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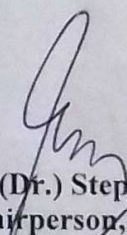
8. Future Plans of action for next academic year (500 words)

Following are the future plans of action of IQAC of Assam Don Bosco University for the next academic year:

1. To set-up Internal Quality Assurance Cells at each school of the University for enhancing quality of all the activities of the University right from the school level.
2. To form a committee for auditing of the Research Climate in the University and to analyze the progress of the University in the field of Research and Innovation.
3. To finalise Departmental Program Educational Objectives (PEOs), Program Outcomes (POs), Course Outcomes (COs) and action plans for all the programmes and the departments of the University and to monitor effective implementation of the same throughout the University.
4. To organise a two-day national level workshop on the theme of 'Pedagogy for 21st century teaching and research'.
5. To set up a NAAC performance assessment committee to analyze and suggest performance improvement strategies for the University in the next NAAC accreditation cycle.
6. To set up a committee for preparing suitable formats for online collection of feedback from all the stakeholders and to analyze the feedback received for quality improvement of the activities of the University.



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