



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	GLA UNIVERSITY, MATHURA
Name of the head of the Institution	Prof. A. M Agrawal
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	05662250718
Mobile no.	8192815000
Registered Email	registrar@gla.ac.in
Alternate Email	vc@gla.ac.in
Address	17 KM Stone, NH - 2, Delhi Mathura Highway PO Chaumuhan
City/Town	Mathura
State/UT	Uttar pradesh
Pincode	281406

<b>2. Institutional Status</b>	
University	Private
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Prof. Charul Bhatnagar
Phone no/Alternate Phone no.	05662250941
Mobile no.	7055510537
Registered Email	directoriqac@gla.ac.in
Alternate Email	charul@gla.ac.in

**3. Website Address**

Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.gla.ac.in/images/UPUNGN11537-GLA-University-AOAR-2017---2018.pdf">http://www.gla.ac.in/images/UPUNGN11537-GLA-University-AOAR-2017---2018.pdf</a>
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<b>4. Whether Academic Calendar prepared during the year</b>	Yes
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if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.gla.ac.in/academics/academic-calendar">http://www.gla.ac.in/academics/academic-calendar</a>
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**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.02	2017	28-Mar-2017	27-Mar-2022

<b>6. Date of Establishment of IQAC</b>	01-Nov-2013
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**7. Internal Quality Assurance System**

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Generating Innovative	18-May-2019	36

Ideas	1	
Alumni Talk - Pedagogy Enhancement	05-Apr-2019 1	38
Workshop on 3D Printing	14-Feb-2019 1	16
Lecture legal issues for emerging Startups	19-Jan-2019 1	26
Women Empowerment	12-Jan-2019 1	85
Workshop on 3D Printing	07-Jan-2018 1	24
Meet and Greet - Improving Communication Skills	06-Oct-2018 1	56
Digital Marketing Platform Creation	17-Sep-2018 1	22
Marketing Wonders	24-Aug-2018 1	18
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**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Chemistry	Spatial distribution of Uranium and associated water quality parameters in seven districts of U.P.	BRNS, DAE, Mumbai	2018 730	2700000
Chemistry	Development of thermally stable radiation resistant organosilicate based paint formulations for corrosion control for high temperature applicability	BRNS, DAE, Mumbai	2018 1095	3500000
NEWGEN IEDC , GLA University	National Implementing & Monitoring Agency for Training	NSTEDB, DST Govt. of India	2018 365	1600000

NEWGEN IEDC , GLA University	New Generation Innovation & En- trepreneurship Development Center	NSTEDB, DST Govt. of India	2017 1825	28700000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

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

5

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

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

No

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

- Soft skills, Technical Training and Personality development programme "IMMERSION 2019" for final year students proposed by IQAC, helped significantly increase the placements.
- Mentor - Mentee concept implemented in true spirit.
- IQAC has worked continuously for collecting, cleaning and collating qualitative and quantitative data from various departments of the University.
- On the suggestions of IQAC, a Project Component has been added in many courses to give the students more hands on practice.
- Participated in Unnat Bharat Abhiyan and Swachh Bharat Abhiyan.

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

Plan of Action	Achivements/Outcomes
Students' counselling	A Counselling Cell has been set up and a full time Counsellor has been appointed
Value added programmes	In all the Departments, a number of Value Added Programs were organized. Most of them were conducted by External Experts.

Student Mentoring for Academic Excellence and Holistic Development	Faculty members were trained for taking up the task of being Mentors. The new students quickly and easily adjusted to the new environment of the University.
Faculty Development Programme	A One Week FDP was organized for the new faculty members who joined GLA University
<a href="#">View File</a>	
<b>14. Whether AQAR was placed before statutory body ?</b>	No
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2018
Date of Submission	30-Sep-2018
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	<p>Management Information System GLA University, Mathura "GLAMS" is a comprehensive single point integrated Educational ERP with modules related to Administration, Academics, Knowledge Management and Communication. GLAMS is an interactive platform for all the stakeholders of the University Students, Faculty, Management, Parents, Guests and Alumni. Major Modules • Admission Management incorporates various admission related activities like Registration Entry, Admission Entry, Enrollment No. Allotment etc. including their supportive reports like Fee Structure Report, Semester Wise Subjects Report, Payment/Receipt Report or IDCard etc • Session/Academic Management allows the administrator and supportive users to manage the various activities related with academic processes. It helps to accommodate and generate various master type data such as attendance, course curriculum and their structure, time table etc • Fee Management responsible for handling the process of Fee collection from the</p>

students as well as the fee for all sorts of admission test and other academic/nonacademic activities. • Student Online Activity Portal creates a transparency between students and university activities. It provides various kind of associated information to the student such as their dues and payment, registration, attendance progress, term and final examination results, residential information and other academic related activity. • Examination Management manages the activities of all the centre for conducting the examination. The paper checker and paper setters information in kept secret. The degrees and result records are managed. The payments of supervisory staff are also managed here. • Faculty Activity Online Portal organizes, tracks and reports on faculty accomplishments. It provides the facility to manage all the activity related to academics i.e. Attendance uploading, Assignment evaluation, follow the lecture delivery plan etc. • Alumni Activities provide the opportunity to network with passed out students, former faculty and potential employers. • Training Placement Management System automates activities of training and placement cell, provides opportunities to the student community to use collective intelligence to increase selection ratio and eases out process of creation of management information automatically. Authorizing the resumes, communicating about the various job openings to the student community, managing the corporate relationship for inviting them for the placements as well other activities, creating the placement metrics, monitoring the progress of the selection process and communicating with different users. • Discipline/Proctorial Management System matters pertaining to all acts of indiscipline are delegated to the Proctorial Board. • Library (KOHA) Integration • Human Resource Management System all the activities related to recruitment process like Offline/Online application collection, short listing, Data preparation etc is taken care of. • Payroll Management System deals with the financial aspects of employees salary, allowances, deductions, gross

pay, net pay etc. and generation of payslips for a specific period. •  
 Hostel Management System • Transport Management System • Financial Accounting System •  
 Purchase/Receiving/Inventory Management System • Health Management (Aarogyam) •  
 Guest House Management System • Fire Safety Management System • Sports Management System • Grievance Management System • Postal Management System • GLAMS Mobile App

## 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	Programme Specialization	Date of Revision
BTech	1500	Computer Science and Engineering	14/07/2018
BTech	1510	Cloud Computing & Virtualization	14/07/2018
BTech	1520	Data Analytics	14/07/2018
Mtech	8150	Computer Science and Engineering	14/07/2018
MCA	8420	Computer Engineering & Applications	14/07/2018
BCA	1200	Computer Engineering & Applications	14/07/2018
BTech	1300	Electronics and Communication Engineering	14/07/2018
Mtech	8135/8136	Electronics and Communication Engineering	14/07/2018
BTech	1100	Electrical Engineering	15/07/2018
BTech	1000	Civil Engineering	21/07/2018

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

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Computer Science Engineering	01/07/2018	C Programming BCSC0001	01/07/2018

BTech	Computer Science & Engineering	01/07/2018	Python Programming BCSG0001	01/07/2018
BTech	Cloud computing and virtualization	01/07/2018	Introduction to Open Source Software Open Standards BCSC0600	01/07/2018
BTech	Internet of things	01/07/2018	Sensor Technology Instrumentation BCSC0605	01/07/2018
BTech	Internet of Things	01/07/2018	Computer Programming BCSG0001	01/07/2018
BTech	Data Analytics	01/07/2018	Web Programming through PHP BCSC0601	01/07/2018
BTech	Electrical Engineering	01/07/2018	Engineering Circuit Analysis Synthesis (BEEC0003)	01/07/2018
BTech	Electrical Engineering	01/07/2018	Electrical Measurement Measuring Instruments (BEEC0004)	01/07/2018
BTech	Electrical Engineering	01/07/2018	Digital Electronics Circuits (BEEC0008)	01/07/2018
BTech	Electrical Engineering	01/07/2018	Electrical Machines - I (BEEC0009)	01/07/2018
BTech	Electrical Engineering	01/07/2018	Control System (BEEC0011)	01/07/2018
BTech	Mechanical Engineering	01/07/2018	BMEG0803 Computer Aided Drafting	01/07/2018
BTech	Mechanical Engineering	01/07/2018	BME C0005 Fluid Mechanics	01/07/2018
MBA	Logistic & Supply Chain Management	01/07/2018	Core concepts of Supply Chain Management (MLSC0019)	01/07/2018
MBA	Financial Markets and Banking	01/07/2018	Business Environment Management Practices	01/07/2018



			(MFMC0001)	
MBA	Financial Markets and Banking	01/07/2018	Marketing of Securities and Banking Services (MFMC0004)	01/07/2018
MBA	Financial Markets and Banking	01/07/2018	HR Practices in Banking and Financial Services (MFMC0006)	01/07/2018
BTech	Data Analytics	01/07/2018	Database Management System BCSC0003	01/07/2018
BA	Economics	01/07/2018	Micro Economics (BCMC0002)	01/07/2018
BCom	Global Accounting in association with CIMA	01/07/2018	Principles of Marketing (BCCC0002)	01/07/2018
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## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	Financial Markets and Banking	24/07/2018
BCom	Global Accounting	24/07/2018
MSc	Chemistry	01/08/2018
BSc	Chemistry	01/08/2018
BA	Economics(H)	24/07/2018
BTech	Internet of Things(IOT)	14/07/2018
BTech	Cyber Security & Forensics	14/07/2018
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### 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	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Cyber Security and Forensic	14/07/2018
BTech	Internet of Things	14/07/2018
Mtech	Computer Science and Engineering	01/07/2018
MCA	Computer Engineering and Applications	01/07/2018

BCA	Computer Engineering and Applications	01/07/2018
BBA	Bachelor of Business Administration	01/07/2018
BCom	Bachelor of Commerce (Hons)	01/07/2018
BBA	Bachelor of Business Administration (Hons)	01/07/2018
BBA	Family Business	01/07/2018
BCom	Global Accounting in association with CIMA	01/07/2018
BA	BA (Hons) Economics	01/07/2018
MBA	Business Management	24/07/2018
MBA	Logistics Supply & Chain Management	24/07/2018
MBA	Financial Markets & Banking	24/07/2018
BTech	Data Analytics	01/07/2018
BTech	Cloud computing & Virtualization	01/07/2018
BSc	Biotechnology	01/08/2018
MSc	Biotechnology	01/08/2018
MSc	Microbiology	01/08/2018
Mtech	Structural Engineering	01/07/2018
Mtech	Electrical Engineering	15/07/2018
Mtech	Electronics and Communication Engineering	01/07/2018
BSc	Chemistry	01/08/2018
MSc	Chemistry	01/08/2018
Mtech	Production	01/07/2018
Mtech	Design	01/07/2018
BA LLB	LAWS	28/07/2018
BCom LLB	LAWS	28/07/2018

### 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
Hands on SQL	24/12/2018	80
Familiar with Internet of Things	24/12/2018	78
Essential of Cloud Computing	24/12/2018	80
Durability of Concrete	20/08/2018	81
Advanced Digital logic	03/09/2018	27

Design Using VeriLog		
Remote Sensing And Digital Image Analysis	20/08/2018	82
Customer Relationship Management	16/08/2018	105
Biological Approaches Using Genetically Engineered Microbes for Sustainable Future	18/02/2019	81
Concept of Calculus and its Applications	05/01/2019	76
Nano Photonics Its applications	02/08/2018	83
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Computer Science and Engineering	1416
BTech	Cloud Computing & Virtualization	94
BTech	Data Analytics	66
BTech	Electrical Engineering	256
BTech	Mechanical Engineering	684
MCA	Computer Engineering and Applications	65
Mtech	Production	16
BCom	Bachelor of Commerce (Hons)	155
BBA	Bachelor of Business Administration	191
BBA	Bachelor of Business Administration (Hons)	75
BBA	Family Business	21
MBA	Master of Business Administration	669
MBA	Logistic & Supply Chain Management	54
MBA	Financial Markets and Banking	22
BSc	Biotechnology	63
MSc	Biotechnology	5
MSc	Microbiology & Immunology	11
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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	No

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

### Feedback Obtained

The university collects feedback on curriculum aspects, courses and on teaching learning processes from various stakeholders like faculty members, students, alumni, parents of students, employers etc. The feedback system of the university helps in a) designing/revising the curricula, b) in imparting the industry-oriented knowledge to the students, and c) ensuring their employability skills, and in turn, increasing job opportunities for the students. Based on the inputs from different stakeholders, curricula are reviewed and if needed, revised by the members of the Board of Studies of various departments, and approved in Academic Council meetings. Opinions and suggestions on different curriculum aspects, courses and on teaching learning processes from alumni is taken in 'Alumni Meets', which are organized every year, and also as and when any of the alumni visits the university for guest lectures/interactions etc. The feedback from alumni helps in maintaining 360o feedback system, and in promoting linkages. Observations of national and international faculty on curricula faculty are sought through mail, online discussions and at board of studies meetings. When international faculty members visit the university to attend workshops/seminars/conferences, the suggestions are sought for the improvement in course curriculum and teaching pedagogies. The inputs from national and international faculties make the curriculum synchronised with global and industrial needs. Over the years, the feedback from different stakeholders has been of great help in assessing the relevance of courses to industry/academics and in evaluating the strengths and weaknesses of the course contents.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BBA	BBA	210	837	185
BBA	BBA (FB)	30	127	28
BBA	BBA (H)	90	348	75
BA	BA (H) Economics	60	22	8
BTech	Computer Science	840	8536	839
BTech	Electronics & Communication	120	542	109
MBA	MBA	420	2568	341

MCA	MCA	30	17	4
BPharm	B. Pharm	100	985	100
BSc	Bio-Tech.	90	346	70
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## 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 fulltime 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
2018	6785	1077	324	59	9

## 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
392	392	296	175	10	26

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

The mentor mentee system is followed in University for effective synchronization of teachers and students at various levels so as to create a holistic environment, where educational and stress related guidance is provided by the mentor to the mentee. In this system Mentor, usually older and more experienced support the mentee, help him/her to improve abilities and skills through regular assessment, observation and by providing guidance. With regular update of student progress and performance to parents the mentor bridges the communication gap between management and parents. The faculties are allotted as mentor to a group of 30 students, a twoway communication is established so that strength and grey areas can be identified, not only educational guidance but personal problems are also dealt. Mentor collects personal information of students, monitors attendance and educational information, focuses on the need of student requirement. With the above system the performance of students can be enhanced, mentee becomes more hardworking and responsible, helps in establishing a trustworthy relation between mentee, mentor and parents.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
7862	392	1 : 21

## 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
411	392	19	87	180

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

Year of Award	Name of full time teachers	Designation	Name of the award,
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	receiving awards from state level, national level, international level		fellowship, received from Government or recognized bodies
2018	Dr. Dayal Sandhu	Assistant Professor	Best PhD. Thesis Award 2018 in Humanities Stream., IARDO
2018	Dr. Jitendra Gupta	Assistant Professor	Shikshak Shri Award, Bharat-Indo Nepal organization
2018	Dr. Reena Gupta	Assistant Professor	Certificate of Recognition and Appreciation, National Science and Technology Management Information System (NSTMIS), A division of department of Science and Technology (DST
2018	Dr. Somdutt Mujwar	Assistant Professor	Contribution As Resource Person In National Workshop On Bio-Informatics Research And Training Through Matlab, JIWAJI UNIVERSITY, GWALIOR
2018	Dr. Utkal Khandelwal	Associate Professor	Resource Person on Developing Key transferable skills for enhancing employability, Anand Vihar College for Women, Bhopal
2018	Dr. Kanhaiya Singh	Professor	Certificate of Appreciation as to review papers for International Conference of Project Management (Innovation in Digital Industries ) Indonesia, AIBPM (Association of international Business Professional Management)
2018	Mr. Anukool Vaishnav	Assistant Professor	Development of BIO-POT for rural technology, IIT-Kharagpur

2018	Mr. Manoj Bansal	Assistant Professor	NPTEL-Elite Gold, NPTEL
2018	Mr. Piyush Vashishtha	Assistant Professor	NPTEL-Elite Gold, NPTEL
2018	Prof. Dilip Kumar Sharma	Professor	Outstanding Section Volunteer Award ,IEEE U.P Section Annual Meeting, held at IIT Kanpur
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## 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
BBA	4100	1st Semester	22/12/2018	01/01/2019
BBA	4100	2nd Semester	09/05/2019	25/05/2019
BCA	4200	1st Semester	22/12/2018	01/01/2019
BCA	4200	2nd Semester	10/05/2019	25/05/2019
BPharm	4400	1st Semester	22/12/2018	01/01/2019
BPharm	4400	2nd Semester	11/05/2019	25/05/2019
MCA	8420	1st Semester	22/12/2018	01/01/2019
MCA	8420	2nd Semester	11/05/2019	25/05/2019
BTech	1500	1st Semester	22/12/2018	01/01/2019
BTech	1500	2nd Semester	11/05/2019	25/05/2019
<a href="#">View File</a>				

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
47	8123	0.58

## 2.6 – Student Performance and Learning Outcomes

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

<https://www.gla.ac.in>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
4300	BSc	B. Sc. (H)	63	63	100.00

		Biotech.			
4500	BCom	B. Com. (H)	155	155	100.00
1200	BTech	Mechanical Engineering	398	388	97.49
1300	BTech	Electronics & Communicat ion	140	139	99.29
8420	MCA	MCA	65	64	98.46
8410	MBA	MBA	340	336	98.82
4400	BPharm	BPharm	59	52	88.14
4200	BCA	BCA	157	155	98.73
1500	BTech	Computer Science	562	560	99.64
4100	BBA	BBA	191	190	99.48
<a href="#">View File</a>					

## 2.7 – Student Satisfaction Survey

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

<http://www.gla.ac.in>

## 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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Prof. Aniruddha Pradhan	Visiting Associate	01/07/2018	IUCAA
International	Prof. Aruna Dhamija	Advance Studies	04/07/2018	Central European University, Budapest
International	Mr. Krishnaveer Singh	Advance Studies	04/07/2018	Central European University, Budapest
National	Mr. Vinay Kumar	Advance Studies	01/07/2018	CAS, AKTU Lucknow
National	Mr. Suresh Chandra Raikwar	Advance Studies	01/07/2018	ABV,IIITM Gwalior
National	Mr. Gaurav Kumar Sharma	Advance Studies	01/07/2018	MNIT Jaipur
National	Mr. Sandeep Debnath	Advance Studies	22/07/2018	IIT , Delhi



National	Ms. Shradhha Singh	Advance Studies	01/01/2019	Uttarakhand technical University , Dehradun
National	Mr. Om Prakash jaga	Advance Studies	02/07/2018	IIT , Roorkee
National	Ms. Bhawna Rathore	Advance Studies	17/07/2018	National Institute of industrial engineering , Mumbai

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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 the fellowship	Funding Agency
SRF	2	ICMR
JRF	2	DST INSPIRE
JRF	2	ICAR
SRF	2	ICMR
SRF	2	CSIR
JRF	2	DST INSPIRE
JRF	2	DBT
JRF	2	DST INSPIRE
JRF	2	BRNS DAE
SRF	2	RGNF

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### 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	1095	BRNS, DAE, Mumbai	3500000	1860989
Major Projects	730	BRNS, DAE, Mumbai	2700000	0
Any Other (Specify)	365	NSTEDB, DST	28700000	4750000
Any Other (Specify)	365	NSTEDB, DST	1600000	1600000

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### 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
A Seminar on Indian	Internal Quality	22/09/2018

Patent Management System	Assurance Cell (IQAC)	
Current Challenges in Intellectual Property Rights and Biotechnology	Department of Bio-Technology	12/10/2018
One day FDP on Intellectual Property Rights Involving Modern Management Methods	Department of Electrical Engineering	21/10/2018
Two Days FDP on Interface of Intellectual Property Right in the Pharmaceutical Industry	Institute of Pharmaceutical Research	17/10/2018
Faculty Development Programme on Know your IPR	Faculty of Education	26/10/2018
A Seminar on Cutting Edge Technologies For Mechanical Engineering	Department Of Mechanical Engineering	29/10/2018
One Day Workshop on Patenting system in India and Commercialization	Department Of Computer Engineering Application	03/11/2018
Intellectual Property its valuation methods for Universities	Internal Quality Assurance Cell (IQAC)	17/11/2018
Intellectual Property Rights Workshop on Patent Cooperation Treaty	Research Development Cell	08/12/2018
One Day FDP on on the Promotion, Protection and Enforcement of Intellectual Property Rights	Research Development Cell	22/12/2018
Patent Strategy: Filling a Provisional Patent Application	Research Development Cell	12/01/2019
Importance of Intellectual Property Rights in Enhancing the Competitiveness of Academic Institutes	Internal Quality Assurance Cell (IQAC)	19/01/2019
Role of Intellectual Property Rights in Biotechnology	Department of Bio-Technology	09/03/2019
Role of IPR in Innovation Management for Academia - Industry Collaboration	Department of Civil Engineering	14/03/2019
One Day Workshop on Intellectual Property Rights and Patenting	Institute of Applied Science and Humanities	06/04/2019
Emerging Issues	Institute of	19/04/2019

Challenges in Pharmaceutical Industries	Pharmaceutical Research	
A view on Management of Intellectual Property Rights for Academicians	Institute of Business Management	13/05/2019
Guest Lecture on workshop-on intellectual property right and patent filing	Department of Electronics and Communication Engineering	06/06/2019
Guest Lecture on Managing Innovation and Intellectual Property Rights	Department Of Mechanical Engineering	25/06/2019
Intellectual Property Right (IPR) - Emerging Issues Challenges	Internal Quality Assurance Cell (IQAC)	21/07/2018
A Seminar on Nature of Intellectual Property Rights	Internal Quality Assurance Cell (IQAC)	04/08/2018
Introduction of Patents and its uses for Research scholars and students	Research Development Cell	25/08/2018
One day Faculty Development Program (FDP) on Intellectual Property Rights Innovations	Department of Electronics and Communication Engineering	19/09/2018

[View File](#)

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Automatic Sewage Cleaning System	Anirudha Saxena	NEWGEN IEDC (SUPPORTED BY NSTDEB, DST GOVERNMENT OF INDIA), GLA UNIVERSITY, MATHURA	25/06/2019	Automatic Sewage Cleaning System
Fresh-O-Air	Harsh Gupta	NEWGEN IEDC (SUPPORTED BY NSTDEB, DST GOVERNMENT OF INDIA), GLA UNIVERSITY, MATHURA	25/06/2019	Fresh-O-Air
Smart Dust Bin	Mr Rishi Agrawal	NEWGEN IEDC (SUPPORTED BY NSTDEB, DST GOVERNMENT OF INDIA), GLA UNIVERSITY, MATHURA	25/06/2019	Smart Dust Bin

CONTRIBUTION IN CHILD EDUCATION BY USING LATEST SCIENTIFIC WAY OF AMALGAMATION OF RURAL AND NATURAL SOURCE OF TEACHING, SHIKSHAK SHRI AWARD	DR JITENDRA GUPTA	SAMRASTA	01/09/2018	CONTRIBUTION IN CHILD EDUCATION BY USING LATEST SCIENTIFIC WAY OF AMALGAMATION OF RURAL AND NATURAL SOURCE OF TEACHING, SHIKSHAK SHRI AWARD
SIGNIFICANT RESEARCH CONTRIBUTION FOR ACADEMIC SESSION 2018-2019, CERTIFICATE OF APPRECIATION FOR RESEARCH	DR AHSAS GOYAL	GLA UNIVERSITY	01/06/2019	SIGNIFICANT RESEARCH CONTRIBUTION FOR ACADEMIC SESSION 2018-2019, CERTIFICATE OF APPRECIATION FOR RESEARCH
PUBLISHED PAPER RECOGNIZED AS ONE OF THE MOST READ PAPER IN THIS JOURNAL, TOP DOWNLOADED PAPER 2018-2019	MR RAGHAV MISHRA	JOURNAL OF HETEOCYCLIC CHEMISTRY, WILEY	01/06/2019	PUBLISHED PAPER RECOGNIZED AS ONE OF THE MOST READ PAPER IN THIS JOURNAL, TOP DOWNLOADED PAPER 2018-2019
SELECTION IN CUCET-2019	DIVYA AGRAWAL	CENTRAL UNIVERSITY OF PUNJAB, BHATINDA	01/06/2019	SELECTION IN CUCET-2019
SWAYAM ,NATIONAL COORDINATOR	DR SHIVA DURGA	SWAYAM MOOCs	01/02/2019	SWAYAM ,NATIONAL COORDINATOR
Smart Car Ignition System	Puja	NEWGEN IEDC (SUPPORTED BY NSTDEB, DST GOVERNMENT OF INDIA), GLA UNIVERSITY, MATHURA	25/06/2019	Smart Car Ignition System
IARDO AWARD FOR BEST THESIS 2018	DR. DAYAL SANDHU	INTERNATIONAL ASSOCIATION OF RESEARCH AND DEVELOPMENT ORGANISATION	18/10/2018	IARDO AWARD FOR BEST THESIS 2018
<a href="#">View File</a>				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Startup Launchpad	Harsh Sharma	GLA University	Crowd MGT	Tech Based	05/09/2018

GLAU					
Startup Launchpad GLAU	Prince Gupta	GLA University	ML Volt	IoT Services	02/10/2018
Startup Launchpad GLAU	Deepak Awasthi	GLA University	TecVis	Tech Based	25/12/2018
Startup Launchpad GLAU	Anmol Sachan	GLA University	Incognimous	Cyber Security	21/03/2019
Startup Launchpad GLAU	Amber Gupta	GLA University	Ambrick Music	Entertainm ent	14/04/2019
Startup Launchpad GLAU	Shiv Kumar Sharna	GLA University	Meri Kitaab Learning Sol.Pvt .Ltd	Marketing	10/10/2018
Startup Launchpad GLAU	Anindya Singh	GLA University	EBibil Media Pvt.Ltd	Manufactur ing	20/12/2018
Startup Launchpad GLAU	Sachin Sengar	GLA University	Tredmolen E -Cycle pvt.ltd	Manufactur ing	02/05/2019
Startup Launchpad GLAU	Sachin Shukla	GLA University	InAudita Media Pvt.Ltd	Talent Search	09/07/2018
Startup Launchpad GLAU	Alok Kumar	GLA University	HALOVERD ENGINEERING	Green Manu facturing	01/04/2019
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### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics Communication Engineering	3
Managment Studies	5
Pharmacy	3
Biotechnology	3
Chemistry	1
Computer Engineering and Application	2
Electrical Engineering	1
Mechanical Engineering	1
Mathematics	2
English	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)

International	Computer Engineering and Application	24	1.4
International	Mechanical Engineering	39	0.8
International	Electrical Engineering	6	0.5
International	Electronics and Communication	19	0.3
International	Pharmacy	25	1.1
International	Biotechnology	14	1.5
International	Chemistry	13	1.7
International	Mathematics	21	1.5
International	Management Studies	48	0
<a href="#">View File</a>			

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

Department	Number of Publication
Physics	8
Faculty of Education	2
English	1
Biotechnology	16
Pharmacy	2
Electronics and Communication	19
Electrical Engineering	2
Mechanical Engineering	25
Computer Engineering and Application	20
<a href="#">View File</a>	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
A Guide Bending Machine	Published	1811037429	04/10/2018
AquaAir Fixture for Friction Stir Welding	Filed	1811049186	26/12/2018
FOUR WHEEL STEERING MECHANISM FOR VEHICLES	Filed	1911013881	05/04/2019
AN ADAPTER BASED ON THERMOELECTRIC GENERATOR	Filed	1911008894	07/03/2019
A Composition For the Purification of Water For Potable	Filed	1911017366	01/05/2019

Purpose			
A WOUND HEALING COMPOSITION	Published	201711038717	21/06/2019
NOVEL SIX MEMBERED HETEROCYCLIC COMPOUNDS	Published	201711037732	21/06/2019
A CATALYST FOR THE SYNTHESIS OF $\beta$ - AMINOALCOHOLS	Published	201711024769	15/03/2019
FINGER PRINT PADLOCK	Published	201811033283	05/09/2018
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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 Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Nanocarrier Based Advances in Drug Delivery to Tumor: An Overview	Jain, Ankit Kumari, Romi Tiwari, Ankita Verma, Amit Tripathi, Amita Shrivastava, Akanksha Jain, Sanjay K.	CURRENT DRUG TARGETS	2018	17	GLA University	11
An efficient electrode for simultaneous determination of guanine and adenine using nano-sized lead telluride with graphene	Pradhan, Susmita Biswas, Sudip Das, Dipak K. Bhar, Radhaballabh Bandyopadhyay, Rajib Pramanik, Panchanan	NEW JOURNAL OF CHEMISTRY	2018	15	GLA University	15
Suspicious human activity recognition: a review	Tripathi R.K., Jalal A.S., Agrawal S.C.	Artificial Intelligence Review	2018	16	GLA University	16

Control of paratuberculosis: Who, why and how. A review of 48 countries	Whittington R., Donat K., Weber M.F., Kelton D., Nielsen S.S., Eisenberg S., Arrigoni N., Juste R., Sáez J.L., Dhand N., Santi A., Michel A., Barkema H., Kralik P., Kostoulas P., Citer L., Griffin F., Barwell R., Moreira M.A.S., Slana I., Koehler H.	BMC Veterinary Research	2019	38	GLA University	38
A review of the mechanical and thermal properties of graphene and its hybrid polymer nanocomposites for structural applications	Kumar A., Sharma K., Dixit A.R.	Journal of Materials Science	2019	77	GLA University	77
Hyaluronic acid conjugated multi-walled carbon nanotubes for colon cancer	Prajapati S.K., Jain A., Shrivastava C., Jain A.K.	International Journal of Biological Macromolecules	2019	20	GLA University	20



targeting						
Anisotropic compact stars in the Buchdahl model: A comprehensive study	Maurya S.K., Banerjee A., Jasim M.K., Kumar J., Prasad A.K., Pradhan A.	Physical Review D	2019	38	GLA University	38
Decentralized solar rooftop photovoltaic in India: On the path of sustainable energy security	Rathore P.K.S., Chauhan D.S., Singh R.P.	Renewable Energy	2019	30	GLA University	30
Reliability Factor Based AODV Protocol: Prevention of Black Hole Attack in MANET	Gupta P., Goel P., Varshney P., Tyagi N.	Advances in Intelligent Systems and Computing	2019	15	GLA University	15
Advances in Tumor Targeted Liposomes	Jain, A. Jain, S. K.	CURRENT MOLECULAR MEDICINE	2018	19	GLA University	17
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#### 3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Folate Conjugated Double Liposomes Bearing Prednisolone and Methotrexate for Targeting Rheumatoid Arthritis	Verma, Amit Jain, Ankit Tiwari, Ankita Saraf, Shivani Panda, Pritish K. Agrawal, G. P. Jain, Sanjay K. P.	PHARMACEUTICAL RESEARCH	2019	191	5	GLA University
	P.	Journal	2018	192	4	GLA

Proposing micro-macro HRM strategies to overcome challenges of workforce diversity and deviance in ASEAN	Malik, U. Lenka, D.K. Sahoo,	of Management Development				University
A synergistic evaluation on application of solar-thermal energy in water purification: Current scenario and future prospects	Verma S.K., Singhal P., Chauhan D.S.	Energy Conversion and Management	2019	163	9	GLA University
Decentralized solar rooftop photovoltaic in India: On the path of sustainable energy security	Rathore P.K.S., Chauhan D.S., Singh R.P.	Renewable Energy	2019	157	30	GLA University
Anisotropic compact stars in the Buchdahl model: A comprehensive study	Maurya S.K., Banerjee A., Jasim M.K., Kumar J., Prasad A.K., Pradhan A.	Physical Review D	2019	319	38	GLA University
Detecting Ocimene in mango using mustard oil based quartz crystal mi	Ghatak B., Ali S.B., Tudu B., Pramanik P., Mukherji S., Bandyopadhyay R.	Sensors and Actuators, B: Chemical	2019	170	5	GLA University

crobalance sensor							
A review of the mechanical and thermal properties of graphene and its hybrid polymer nanocomposites for structural applications	Kumar A., Sharma K., Dixit A.R.	Journal of Materials Science	2019	154	77	GLA University	
Methylglucosyl at metronomic doses sensitizes breast cancer cells to doxorubicin and cisplatin causing synergistic induction of programmed cell death and inhibition of stemness	Roy A., Sarker S., Upadhyay P., Pal A., Adhikary A., Jana K., Ray M.	Biochemical Pharmacology	2018	181	9	GLA University	
Anti-allergy and anti-tussive activity of Clitoria ternatea L. in experimental animals	Singh N.K., Garabadu D., Sharma P., Shrivastava S.K., Mishra P.	Journal of Ethnopharmacology	2018	170	5	GLA University	
An evaluative observation on impact of optical	Verma S.K., Tiwari A.K., Tripathi M.	Solar Energy	2018	151	7	GLA University	

properties of nanofluids in performance of photo-thermal concentrating systems					
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### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	19	79	10	209
Presented papers	64	27	8	16
Resource persons	2	7	Nill	16

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### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Department of Pharmacy	FTIR Sample Analysis	Mr. Rajat Garg Rajiv Academy of Pharmacy, Mathura	840
Department of Pharmacy	FTIR Sample Analysis	Mr. Kuldeep Kumar Rajiv Academy of Pharmacy, Mathura	360
Department of Biotechnology	70 Cows under JD control program using indigenous vaccine- 70 dosed given	Mr. Rajinder Singhal, Bharat Mata Goshala Pranayas, Narela, New Delhi	7000
Department of Biotechnology	Crohns enterites and structure in interstime symptoms Cryptosporidiosis Diagnosis by 4 tests (ZN staining, PCR and ELISA) therapy	Mr. Nihal Singh, Pradhan, Tyoga, Bharatpur, Rajasthan	5000
Department of Biotechnology	rohns enterites and structure in interstime symptoms Cryptosporidiosis Diagnosis by 4 tests (ZN staining, PCR and ELISA) therapy	Dr. Bhowmik, MBBS, MD (Path), Kolkata	5000

Department of Biotechnology	Crohns enterites and structure in interstine symptoms Cryptosporiodiosis Diagnosis by 4 tests (ZN staining, PCR and ELISA) therapy	Dr. Vishnu Narayan	5000
Department of Biotechnology	Indigenous vaccine against Johnes disease in Goats- 10 dosed given	Mr. Amit Agrawal, Journalist, Jansatta, New Delhi	500
Department of Pharmacy	FTIR Sample Analysis	Mr. Anoop Kumar College of Pharmacy, Gonda	1200
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### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NIL	NIL	NIL	0	0
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### 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 participated in such activities	Number of students participated in such activities
Plantation Drive	NSS	2	35
National Youth Week Celebration	NSS	5	80
Voter Awareness Rally	NSS	3	35
Voter Awareness Camp	NSS	1	29
Health Awareness Camp	NSS	2	35
Plantation Drive	NSS	2	33
Mega Swachhta Pakhwara	NCC	1	19
Swachta Hi Sewa Campaign Shramdaan	NCC	1	45
Water Conservation Awareness Programme	NCC	1	24
Swachhta Pakhwara	NCC	1	35

World AIDS Day Celebration	NCC	1	40
Measles Rubella Vaccination Campaign	NCC	1	48
Matdaan Jagrukta Abhiyaan	NCC	1	45
Swasth Bharat Yatra	NCC	1	20
World Diabetes Day Celebration	NCC	1	42
Surgical Strike Day	NCC	1	44
Swachta Hi Sewa	NCC	1	30
Plantation	NCC	1	35
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Health awareness Camp	Letter of Appreciation	Gram Pradhan, Gram Panchat, Ojhai, Khurd Chaumuhan, Mathura	36
Awareness Programme (Clean India Campaign)	Appreciation letter	Gram Pradhan, Gram Panchayat Akbarpur, Vikas Khand Chaumuhan, Tehsil Chhata, Mathura	200
Interactive session for Career counseling	Letter of Appreciation	Sarvodaya Senior Secondary School, Aligarh	120
Blood Donation Camp	Certificate of Appreciation	Nayati Health Care Hospital, Mathura	40
Unnat Bharat Abhiyan: Health Heigine Camp	Appreciation Letter	Gram Pradhan, Gram Panchat, Jait, Mathura	300
Working communit Programme (To motivate the people to keep the city and the public places clean)	Appreciation letter	Chairman, Nagar Panchayat Barsana, Mathura	175
Blood Donation Camp	Letter of Appreciation	Rotary Blood Bank, Mathura	25
Awareness programme	Appreciation letter	Head Master, Practionary School, Jait, District	75

		Mathura	
Saf-Safai and Painting on walls, Jatipura, Goverdhan	Appreciation letter	Ujjwal Brij ,Mathura Vrindavan Vikas Parishad, Mathura	500
Cleanliness program	Appreciation letter	Head, Mathura Junction, Indian Railways, Mathura	500
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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 participated in such activities	Number of students participated in such activities
Swachh Bharat	10 UP BN, NCC	Swachta Hi Sewa	1	30
Surgical Strike Day	10 UP BN, NCC	Surgical Strike Day	1	44
AIDS Awareness	10 UP BN, NCC	World AIDS Day Celebration	1	40
Plantation Drive	NSS	Plantation Drive	2	33
Health Awareness	NSS	Health Awareness Camp	3	50
Childrens Day	Aashayein	Childrens Day Celebration	3	23
Distribution Campaign	Aashayein	Distribution Campaign	3	19
Teaching to unprivileged students	Udaan	Teaching to unprivileged students	3	230
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### 3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Student exchange	Aditya Sharma	GLA University	15
Student exchange	Moh. Faiz	GLA University	15
Student exchange	Nisha	GLA University	15
Student exchange	Shubham Sharma	GLA University	15
Student exchange	Shubham Sharma II	GLA University	15
Student exchange	Shivani Dixit	GLA University	15
Student exchange	Sandeep Sarkar	GLA University	15
Student exchange	Akash Paliwal	GLA University	15
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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	Duration To	Participant
Academic	Industrial Training-BBA (FB)	Mascot Toyota	01/06/2018	15/07/2018	AASHUTOSH SHARMA
Academic	Industrial Training-ECE	Bharat Heavy Electrical Limited	01/06/2018	15/07/2018	ABHISHEK SINGH
Academic	Industrial Training-EE	North Cenral Railway	01/06/2018	15/07/2018	ARCHIT YADAV
Academic	Industrial Training-MBA (FMB)	Canara Bank	01/06/2018	15/07/2018	KRISHAN PAL
Academic	Industrial Training-Pharmacy	ALKEM LABO RATORIES. LTD, ALKEM HOUSE SENAPATI BAPAT MARG LOWER PAREL, MUMBAI, 400013, INDIA	01/06/2018	15/07/2018	SAUKEEN MALIK
Academic	Industrial Training-BBA (H)	Hdfc Bank	01/06/2018	15/07/2018	ASTHA PANDEY
Academic	Industrial Training-BBA	Ginni Filaments Ltd	01/06/2018	15/07/2018	ISHANT JAIN
Academic	Industrial Training-BBA	Bhel	01/06/2018	15/07/2018	PAVITRA JAIN
Academic	Industrial Training-BBA (H)	Radisson Hotel	01/06/2018	15/07/2018	VISHAL AGRAWAL
Academic	Industrial Training-BBA (H)	Hotel Bhawna Clarks Inn	01/06/2018	15/07/2018	YACHI SHARMA
<a href="#">View File</a>					

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/Activities	Number of students/teachers participated under MoUs



National Institute of Hydrology (NIH), Roorkee	31/07/2018	<ul style="list-style-type: none"> <li>• Exchange of Information on research.</li> <li>• A scientist at NIH may be appointed as a co-guide for a student registered for a Master Doctoral Degree Program.</li> <li>• Academic interaction t</li> </ul>	40
ICMR- National JALMA Institute for Leprosy Other Mycobacterial Diseases, Tajganj, Agra	28/09/2018	<ul style="list-style-type: none"> <li>• It will provide regular, short-term project.</li> <li>• Post graduate and Ph.D. students working at GLA university campus will be allowed to carry out a part of their research work in various laboratories of ICMR National JALMA Institute.</li> <li>• To promote int</li> </ul>	10
Albor Engineering Service Pvt Limited, Mathura	15/10/2018	<ul style="list-style-type: none"> <li>• Provide project based training to the GLA University scholars and same shall be used for industrial purpose.</li> </ul>	20
EdGate Technologies Pvt Ltd. (Texas Instruments Innovation Center), Bangalore	30/10/2018	<ul style="list-style-type: none"> <li>• Lab engagement programmes, Faculty Development Programmes, Workshops, Training Programmes.</li> </ul>	85
RBS College, Agra	17/11/2018	<ul style="list-style-type: none"> <li>• Surveys</li> <li>• Guest lecture</li> <li>• Visit to IVRI, Bareilly.</li> <li>• Research Collaboration</li> <li>• Encouraging farmers to adopt scientific methods of farming.</li> </ul>	52
Bentley Centre of Excellence SPAGEO Technologies, Noida	28/11/2018	<ul style="list-style-type: none"> <li>• To build Bentley powered BIM advancement lab.</li> <li>• FDP, Workshop, e-learning facilities to students</li> </ul>	7
ICAR- Directorate of Rapeseed-Mustard Research Sewar,	15/01/2019	<ul style="list-style-type: none"> <li>• Exchange of faculty and students for</li> </ul>	1

Bharatpur (Rajasthan)		teaching and research, student exchange are based on the understanding the exchange are matched one for one by each institution. • Joint research activity by the faculties can be undertaken.	
The Cloud Computing and Distributed Systems (CLOUDS) Laboratories, University of Melbourne, Australia	12/04/2019	• Joint research seminar, workshops and conferences. • Joint research and meeting for education and research.	125
SVR Infotech, Pune	11/05/2019	• Industry and Institution interaction, Skill Development Programmes, Guest Lectures.	50
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#### **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
2270	1367.5

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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## 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
Koha (Open Source Software)	Fully	3.22.10.000	2015

### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Reference Books	13037	3193602	677	347746	13714	3541348
e-Books	49	94627	13	47124	62	141751
e-Journals	1439	12116986	Nil	1473563	1439	13590549
Digital Database	1	1314955	20	2300675	21	3615630
CD & Video	5475	Nil	4283	Nil	9758	Nil
Others( specify)	2	224786	Nil	35400	2	260186
Weeding (hard & soft)	21	5887	6	1080	27	6967
Others( specify)	1	45994	Nil	13570	1	59564
Journals	104	3358492	14	511311	118	3869803
Text Books	153824	37681415	3840	1972447	157664	39653862

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Shiva Durga	Nature of the language	SWAYAM	04/02/2019
Mr. Manish Kumar	Network Analysis and Synthesis	GLA LMS	07/07/2018
Mr. Indresh Yadav	Analogy Integral Circuit	GLA LMS	10/07/2018
Dr. Raisul Islam	Environmental Engineering	GLA LMS	27/07/2018
Mr. Rajkumar Sharma	Machine Design	GLA LMS	11/07/2018

Dr. Manoj Kumar	Statistical Methods	GLA LMS	24/07/2018
Dr. Mini Jain	Income Tax Practice	GLA LMS	11/07/2018
Mr. Sandeep Rathor	Theory of Automata Formal Languages	GLA LMS	07/07/2018
Dr. Neeraj Sharma	Organic Chemistry	GLA LMS	09/07/2018
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#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	2647	1909	2647	55	35	55	593	2000	0
Added	101	56	101	2	31	2	10	0	0
<b>Total</b>	<b>2748</b>	<b>1965</b>	<b>2748</b>	<b>57</b>	<b>66</b>	<b>57</b>	<b>603</b>	<b>2000</b>	<b>0</b>

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

2000 MBPS/ GBPS
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##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Lecture Capturing System	<a href="https://www.gla.ac.in/cpage.aspx?mpgid=7&amp;pgidtrail=256">https://www.gla.ac.in/cpage.aspx?mpgid=7&amp;pgidtrail=256</a>
Media Center	<a href="https://www.gla.ac.in/cpage.aspx?mpgid=7&amp;pgidtrail=256">https://www.gla.ac.in/cpage.aspx?mpgid=7&amp;pgidtrail=256</a>
Recording and Editing Facility	<a href="https://www.gla.ac.in/cpage.aspx?mpgid=7&amp;pgidtrail=256">https://www.gla.ac.in/cpage.aspx?mpgid=7&amp;pgidtrail=256</a>

#### 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
2586	2599.93	2270	1367.5

##### 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)

The university ensures proper apportionment and application of the available financial resources for maintenance and up gradation of different facilities by holding regular meetings of various committees constituted for this purpose.

Laboratory: A record related to maintenance and procurement of lab equipments are maintained by lab technicians and supervised by HODs of the concerned departments. The calibration, repairing and maintenance of lab equipments are done by the technicians as well as by the concerned faculties. The log books are maintained for the usage of every instrument. Library: The requirement and list of books is taken from the concerned departments as well as central library and HoDs are involved at the departmental level. The proper account of visitors (students and staff) on daily basis is maintained. Sports: There are facilities of playing indoor badminton, chess, volley ball, table tennis, gym, cricket, basket ball, football and other. Students are encouraged to involve in different sports and various sports competitions are organized regularly at the university level. Computers: Computer maintenance is done regularly and nonrepairable systems are disposed off. Classrooms: University has a committee for up gradation of infrastructure and maintenance. Requirements like classroom furniture and other are submitted to the registrar by the HoDs at the departmental level. Maintenance and repair of furniture and other equipments are done regularly. With the help of full time sweepers cleanliness of class rooms is maintained. Students are inspired regarding tidiness and motivated for energy conservation by optimal use of electricity in classrooms. There are masons, technicians, carpenters, plumbers deputed by management who ensure the maintenance of classrooms and related infrastructure.

[https://www.gla.ac.in/Uploads/image/430imguf\\_Proceduresandpoliciesformaintainingandutilizingphysical.academicandsupportfacilities.pdf](https://www.gla.ac.in/Uploads/image/430imguf_Proceduresandpoliciesformaintainingandutilizingphysical.academicandsupportfacilities.pdf)

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	GLA University Scholarship	1586	50826350
Financial Support from Other Sources			
a) National	Social Welfare Dept of different states	2542	114584280
b) International	None	Nil	0
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#### 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 implemetation	Number of students enrolled	Agencies involved
Enhancing Employability	15/04/2019	150	Institute of Business Management GLA University
Career Building in Funcional Areas	20/08/2018	217	Institute of Business Management GLA University
Entrepreneurship Cell	20/08/2018	786	E-Cell of GLA University
Personal Counselling	13/08/2018	1101	GLA University

Yoga and Meditation	01/08/2018	43	Faculty of education
Bridge courses	03/09/2018	128	GLA University
Language Lab	01/08/2018	1233	Institute of Applied Sciences and Humanities of GLA University, Mathura
Remedial coaching	02/11/2018	95	GLA University
Soft Skill development	01/08/2018	1975	Training and developmet Cell of GLA University
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Guidance for competitive examinations	458	Nil	112	Nil
2018	Career counseling	Nil	2592	Nil	2237
<a href="#">View File</a>					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
12	12	7

## 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
Wipro Technologies Ltd., Capgemini Consulting India (P) Ltd., Concentrix Daksh Services	2592	2153	Bridgecon India Pvt. Ltd., Hercules Structural Systems Pvt Ltd, Uttam Strips Ltd. ( Jyoti Strips Ltd.	511	84

India Private Limited, Tata Consultancy Services Ltd., Tym Se India Pvt. Ltd. etc			), Uflex Ltd, Phoenix Lamps Limited etc		
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.Tech	EE	MNNIT, Allahabad	.M.TECH
2019	1	B.Tech	EE	Penn State University(U SA)	Master of Science degree program Electrical Engineering for Summer 2019
2019	1	B.Tech	Civil Engineering	IIT Kharagpur	M.Tech
2019	1	B.Tech	Civil Engineering	IIT Guwahati	M.Tech
2019	1	B.Tech	Civil Engineering	NIT Warangal	M.Tech
2019	1	BCA	CSE	Vellore Institute of Technology, Vellore	MCA
2019	1	B.Tech	CSE	IIM Lucknow	MBA
2019	1	B.Tech	CSE	IIM Udaipur	MBA
2019	1	B.Sc.(H) Biotech.	Biotech.	BHU	M.Sc.
2019	1	B.Sc.(H) Biotech.	Biotech.	Central University Of Harayana	M.Sc.

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

Items	Number of students selected/ qualifying
GATE	59

CAT	5
Civil Services	1
GRE	1
Any Other	72
No file uploaded.	

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

Activity	Level	Number of Participants
Agrata (A Mega Cultural Fest) 72	University	1069
Inter University technical quiz competition on CRIP 72	University	126
Badminton tournament 72	University	70
ATHLETICS TOURNAMENT 72	University	144
VOLLEYBALL INTERNAL TOURNAMEANT 72	University	249
Creative Hands - Diverse Minds 72	University	51
Biotech Awareness week 72	University	76
Basant Panchami Celebration 72	University	74
Aarohan - A step forward (Two day Inter colleges/University competition) 72	University	134
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Boys Basket Ball (runner)	National	1	Nil	164500125, 151000128, 161500286, 161500093, 161200010, 181599002, 171300021, 141000255, 181500366	Ritesh Ranjan Singh, Rohit Chaudhary, Krishanu Tripathi, Ankur Bhatt, Abhishek Bansal, Sandeep Singh, Aryan Singh,



						Vikas Sharma, Manish Gautam
2018	Handball Team A (runner)	National	1	Nil	171300091, 151200352, 151200382, 164200109, 164200051, 151200073, 151200006, 151200054, 171100020	Varun kumar singh, Shiv prakash, Shubham Yadav, Parvit kumar, Gshan, Anuj singh, Abhinav Dwivedi, Amit Rajpoot, Kartik Kumar
2018	Basket Ball Girls (winner)	National	1	Nil	164300067, 174100078 , 171500049, 174100119, 161500235, 174300030, 161500510, 174200154	Shivani Yadav, Kрати Sengar, Ankita Awasthi, Pooja Chaudhary, Hemlata Saraswat, Jyoti Gupta, Shilpa, Shivangi Sharma
2019	Badminton (Winner)	National	1	Nil	174200001, 174200032, 184700038, 161500608	Aanchal bharadwaj, Arshita varshney, Mahak Sharma, Varsha verma
2019	First Position In Table Tennis Com petition	National	1	Nil	184700007	Akarshi Dwivedi
2019	"Winner In Best Out Of Waste"	National	Nil	1	184100037	Ayush Jain
2019	First Position	National	Nil	1	164300014	Divya Agarwal

	In E- Conclave					
2019	"Winner In Dumb Charades"	National	Nil	1	184200133	Rinkesh Kumar
2019	"Winner In Finding Track"	National	Nil	1	181500195	Chandrika Singhal
2019	"Winner In Show Your Colours"	National	Nil	1	171300003	Abhay Mishra
<a href="#">View File</a>						

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

To empower students in gaining leadership qualities, rules, regulations and execution skills, the University provides a platform for their active participation in various academic administrative bodies. The representation of students in academic and administrative bodies of the university ensures augmentation of various infrastructural, academic and administrative activities for students' benefit and welfare. Together with university administration, students have been actively and smoothly running sports, cultural, social, literary activities. Initiatives taken by students in organizing various club activities under the aegis of Poetry Club, Literario Club, Saturangle - the Debate Club, Ninad - the Music Club, Nature Club, Film Club, Science Club, Robotics Club, Chess club, Dance Club, National Service Scheme, National Cadet Core have given amazing results in terms of allround development of the students of the University. Besides, schemes like Swachh Bharat Abhiyan, Blood Donation Camps, Annual International Sports Meets etc. fill them with a sense of social responsibilities and belongingness. Representation of students of every department in academic administrative committees not only enhances their managerial and other relevant skills in them but also bring name and fame to the university. Almost every club of the university has its student selected through interviews under the mentorship of their teachers. The club comprises President, Vice President, Secretary, Joint Secretary, Treasurer and other working committee members. The activities of these clubs are monitored by faculty members responsible for the smooth conduct of the events. Under the guidance of faculty mentors, these students play a dominant role in fine arts, sports and other cocurricular activities as well. Among the major cocurricular activities organized by these student clubs include TEDx Lectures by experts, Seminars, Workshops, Symposium, Conferences, etc to develop their personality and skills. Speeches by eminent speakers and industrialist on topics relevant to current educational scenario help them in their allround development. Besides, they also observe important days Religious and Cultural Festivals (such as Dandiya, Navaratri, etc.), International Women's Day, International Yoga Day, Sports Day, Teachers Day, Freshers Day, Farewell Party, World Pharmacy Day, Engineers' Day, etc. Students from each department participate in faculty, infrastructural and other feedback. Their views and suggestions with respect to the faculty, subjects, syllabus and other things related to the class and infrastructure help the teacher and university administration keep track of maintenance of quality education and facilities provided to them. The university provides necessary support to these students in organizing coordinating the events. It encourages them develop their various skills through these activities and make them real heroes.

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

GLA University Alumni Association makes the expert structure, which causes the graduated class to get related with one another. When the new century rolled over, passing by the evolving times, endeavors were made to formalize the graduated class relationship with all around looked after records. This overall phase of graduated class affiliation goes about as a stage for all the graduated class individuals by building up their internal gifts just as by expanding the assistance with one another. Hence, it makes ready to build up, enhance constantly the aptitudes of each former student part all through their lifetime. Yearly a gathering of graduated class meets in the grounds for several days, visits the forthcoming framework and offices, connect with the personnel and understudies. City savvy parts (Bangalore, Delhi NCR and Pune) of the affiliation likewise exist where the graduated class of GLA University holds parley regularly. The principle targets of affiliation are: 1.To advance and cultivate common valuable co-operation among Alumni and the University. 2. To support the development of provincial sections to build cooperation of Alumni 3.To urge the Alumni to look into the cycle and advancement of University. 4. To mastermind and support in arrangement exercises for the understudies of University 5. To support the understudies of the University and individuals from the Association for research improvement work in different fields like designing, PC Industrialization and so on 6. To tutor the understudies of the University for advanced education, improvement of character and being GOOD residents. 7. To trade proficient information, coordinate specialized meetings, classes, workshops and instructional classes. To speak to and partake in such courses, gatherings, workshops or gatherings directed by different Engineering and expert Associations 8. To empower the students of the University to become business visionaries. 9. To manage understudies of the college on different expert roads accessible and uphold them through different exercises, for example, master exhortation, workshops, visit and so forth 10. Advance the Industry University communication to overcome any issues between industry necessities and training offered and upgrade understudies employability. 11. To help and help other provincial bodies for preparing programs in business advancement, with assets accessible with affiliation. 12. To energize and uphold understudies of the University in games, social and extra-curricular exercises. 13. To offer clinical help to existing and resigned educating and nonteaching staff. 14. To arrange banter on different social issues. 15. To help and guide understudies and ex students of the University for Anti-drug, anti-ragging, and some other standoffish exercises 16. To distribute books, periodicals for public interest.

5.4.2 – No. of registered Alumni:

23638

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

1470000

5.4.4 – Meetings/activities organized by Alumni Association :

20

## 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)

i) The University has delegated enough authority to all Directors, Deans and Heads of the departments so as to carry out all the routine tasks of the university smoothly and efficiently. The Annual calendar, for all curricular, co-curricular and extracurricular activities, in consultation with all concerned, is prepared well in advance before the commencement of each academic year. Departmental Planning Committees prepare the annual requirements of the department both in terms of recurring and non-recurring items. Every faculty member is encouraged to give his/her requirement with proper justifications so that a prioritized list can be prepared for further processing. Final document is submitted to University Planning Board for aggregating the requirements of the University as a whole. Department level Examination Committee takes care of activities related to preparation of list of paper setters, moderation work (if any), and preparation of invigilation duty roster, nominating flying squad members and smooth conduction of examinations. Faculty members are nominated to this committee on rotation basis so that everyone gets exposure. Board of Studies for every department has been constituted under the chairmanship of the head of the concerned department. External members from academic institutions and industries are also members of this board. All academic discussions related to existing programme upgradation, introduction of new programmes for future, requirement of faculty members are held in this board. Normally the board meets once in a semester. Recommendations of BoS are further discussed in Academic Council for final approval. ii) Every department has clubs for various technical and cultural events. These are mentored by faculty members and managed by students. Such initiatives have played crucial role in the holistic development of students' personality. Annual competitions are organised so that students can showcase their unique skills. Mess facility in the hostels is totally managed by students. Selection of mess staff, menu preparation, raw material procurement etc. is all decided by mess committee of resident students. This helps in greater satisfaction among the students as they are involved in all decision making. Students are involved in placement activities of the University. Peer training, soft-skill sessions, group discussion etc. are organised by and for students regularly. Digital platforms are also used for knowledge sharing.

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

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):

Strategy Type	Details
Curriculum Development	Continuous curriculum development is key to success of any programme. Every department closely interacts with employers, alumni and academicians for upgrading the syllabus. Board of Studies meets every semester to look into the new requirements and recommends changes and modifications. New laboratory experiments, on line material, relevant industrial exposure etc. is incorporated so that students get latest technical knowledge.
Teaching and Learning	CBCS has been implemented for all programmes of the University. Faculty advisers have been assigned for each student so that s/he can be guided for

her/his proper progression. Project component have been added in selected subjects along with practical so that students are encouraged to design and fabricate their new ideas. These subjects have higher credit points and are being offered to students who have shown excellence in earlier semesters. Students are encouraged to take one online course under the supervision of a dedicated faculty member. Department decides the course offerings and notifies to student to register for the course. NPTEL, SWAYAM, Course era etc. platforms are being used.

**Examination and Evaluation**

Examination and evaluation system for the First-year students have been tweaked from this academic year. Now only one mid semester examination is being conducted in place of two so as to give more time to new students to understand University culture and also academic system. Five marks have been kept for attendance in the class. Incentive for attending more and more class is now being given. External evaluation of "J" (Project) component subjects by industry experts has been introduced.

**Research and Development**

Research fellowships for Full Time scholars have been introduced for all departments. Post-Doctoral fellowship has been instituted for excellent researchers. Incentive for quality publication has been substantially increased. Students, faculty and other staff are encouraged to present their paper in reputed conferences. Seed money for research is provided to all faculty members. Academic collaboration, patent filing, consultancy assignments, student and faculty exchange programmes are going on. Suitable support from University is provided.

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

Regular addition of new text books, print journals and other reference material is done. On line journals, E Books and other material are subscribed. Usage pattern of these are analysed. Students are encouraged to utilize on line book search facility. Research scholars can access the books from their place of work. Library is now open for 20 hrs every day. Specialised services are provided by dedicated library staff for all users.

	<p>University has developed in house software for various office works and now paper movement is minimal. Centralised Instrument Section for high value instruments has been established. Trained staff helps the users to operate the equipment.</p>
Human Resource Management	<p>All faculty members are expected to attend and present their papers in Conferences. University meets the expenditure. Regular training programme for Non-Teaching employees is organised. Study leave for acquiring higher qualification is given to all faculty members. Other staffs are encouraged to take up courses at the University as a part time student for their progress. Best faculty and Best department awards are given every year to acknowledge good work done.</p>
Industry Interaction / Collaboration	<p>Every faculty member is expected to associate herself/himself with at least one Industry and understand their need. Live project proposals are developed so that both students and faculty are benefitted. This also helps in placement/ summer training offers. Guest lecturers from Industry personnel are an integral part of teaching learning process. Feedback from personnel's of all recruiters about shortcomings of student is collected and worked upon regularly. Industry experts are members of Board of Studies, Academic Council, Executive Council and Court of the University.</p>
Admission of Students	<p>Preparation for admission of students is a continuous process. Regular interaction with school/ college students (potential candidates) through dedicated officers is carried out. They provide details about career in different fields. All relevant information about admission is uploaded on the University web site by January end. Online registration starts in February for appearing in Entrance test of the University. Qualified counsellors clarify the doubts of students both on line and offline. Admitted students are also provided with study material for their weak area before they come for classes. All guidelines as prescribed by regulatory authorities are followed.</p>

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



E-governance area	Details
Student Admission and Support	<p>All information related to students is captured online and are accessible to authorised persons only. Some of these are: Basic information about students, her / his qualification, address, parents details, Adhaar and PAN no., Mobile no. etc. Attendance details Progression details Hostel details Any special information / requirements Placement details etc. Students and their parents can view all information as and when desired, Faculty adviser keeps a close watch on progression of student and takes necessary corrective action.</p>
Examination	<p>Examination related activities are all carried out through on line modules developed in GALMS: Initially just after the admission, all relevant information about a student is captured and validated. Subject mapping is done by Faculty Adviser. Attendance records are analysed for being eligible to appear in examination. Internal and External paper setting is done through password protected file to be opened by Controller of Examination. Examination centre planning and invigilators allocation. Evaluation of answer scripts and uploading the marks. Declaration of results and analysis of marks. Final result preparation, Bill payments, Degree and diploma preparation etc.</p>
Planning and Development	<p>All activities related to next year's planning for augmentation, departmental budget requirements, faculty and other human resource planning are now done through software modules developed in house. All data is captured and analysed to arrive at optimum decisions. This has reduced paper work and also time needed for analysis. Regular monitoring of Budgeted expenditure and deciding on corrective action is also undertaken through application of ICT. Purchase follow up, bills payable and fees receivable modules are helping in cash flow management.</p>
Administration	<p>Most of the administrative activities are now through GLAMS modules. Leave applications, Transport booking, Guest House booking, application for obtaining advance, bill submission etc</p>

	<p>all are now done online. This has drastically cut paper work, increased speed of decisions and timely action. Student's attendance in hostels, interaction with their parents, medical record of student and any other information can be accessed online. This has given great satisfaction to parents. Employees can see their attendance, leave record, PF Contribution etc. online. The system has been working excellently.</p>
Finance and Accounts	<p>This area has been completely automated and all modules have been integrated: Budget preparation and monitoring Salary preparation and sending individual salary slips All advance requirement Bill submission and processing of bills Student fee deposit and issue of receipts Income Tax deduction and deposit PF deduction and deposit Examination related payments Conference and workshop accounting Consultancy accounting Mess bill accounting etc.</p>

### 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
2018	Aasheesh Shukla	( Short Course On Game Theory And Competitive Strategies For 4G/ 5G Wireless Networks )	Nil	10482
2018	Aditya Srivastava	International Conference On Frontiers In Engineering, Applied Sciences And Technology	Nil	5000
2018	Ahsas Goyal	The International Conference Of Unani Medicine: Re-Visiting Ilmul Jarahat (Surgery)	Nil	6008
2018	Alka Agrawal	Sigma-2018	Nil	8500



2018	Alok Bharadwaj	National Conference On Climate Change: Sustainable Agriculture Environment	Nill	2450
2018	Alok Soni	Conference On Mechanical Engineering And Technology	Nill	8122
2018	Ambika Gupta	International Conference On Advances In Computing Applications (Icaca-18)	Nill	8755
2018	Ambuj Kumar Mishra	Feast-2018	Nill	11000
2018	Amit Kumar Saraswat	International Conference On Analysis And Applied Mathematics	Nill	9357
2018	Anand Mohan Agrawal	Industry 4.0	Nill	19305
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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	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Nill	Winter School- Basic Course in Communication (BCIC)	26/12/2018	31/12/2018	Nill	21
2019	Nill	INFOSEC CHAMPIONS (Cyber Security)	13/04/2019	30/06/2019	Nill	15
2019	Nill	Linux-System Administrator Workshop	22/02/2019	23/02/2019	Nill	29
2019	Nill	Commitment to Excellence	05/05/2019	05/05/2019	Nill	23

2019	Nil	Basics of Computer (MS Office Training )	01/04/2019	30/06/2019	Nil	20
2019	Conclusive Growth and Student Centric Measures	Nil	02/03/2019	02/03/2019	22	Nil
2019	National Seminar on Emerging Trends in Education for Sustainable Future	Nil	12/04/2019	12/04/2019	175	Nil
2018	FDP on Numerical-Optimization - A Practical Approach	Nil	11/05/2018	13/05/2018	28	Nil
2019	FDP on Embedded System Design and IOT	Nil	21/01/2019	23/01/2019	12	Nil
2019	FDP on CMOS Ics Methodology of Circuit to Chip Design	Nil	21/02/2019	23/02/2019	6	Nil
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
2nd International Conference on Computational Experimental Methods in Mechanical Engineering, (ICCEMME 2019), GL Bajaj Inst. of Tech.	5	03/05/2019	05/05/2019	3

Mgmt, Greater Noida				
2nd International Conference on New Frontiers in Engineering Science Technology, NFEST 2019,NIT, Kurukshetra	1	18/02/2019	22/02/2019	5
4th Workshop on Analytical Instruments for chemical and Environmental Engineers	1	25/03/2019	26/03/2019	2
5 Days Short Term Course on Advanced Materials, Processing Their Future Prospects, GLA University, Mathura	12	17/04/2019	21/04/2019	5
9th Internatinoal Conference on Materials Processing Characterization (ICMPC 2019)GRIET, Hyderabad	2	08/03/2019	10/03/2019	3
Accreditation of Undergraduate Engineering Programmes	4	26/11/2018	18/01/2019	53
Advance Research Techniques Analytics Using R	3	19/02/2019	21/02/2019	3
AICTE Sponsored Short Term Course on English Language Teaching: Addressing the Global Demand Assessing Indian	2	01/10/2018	06/10/2018	6

Classrooms preparedness				
An IBM T3 Training Program workshop on Business Intelligence	11	03/01/2019	05/01/2019	3
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
87	87	71	71

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> <li>• Provident Fund</li> <li>• Group Medical Insurance</li> <li>• Financial Support to attend Conferences, Workshops etc</li> <li>• Accidental Policy</li> <li>• Study Leave</li> <li>• Concession in Tuition fee for Children of faculty</li> </ul>	<ul style="list-style-type: none"> <li>• Provident Fund</li> <li>• Group Medical Insurance</li> <li>• Training Programs for Skill Enhancement</li> <li>• Accidental Policy</li> <li>• Concession in Tuition fee for Children of faculty</li> </ul>	<ul style="list-style-type: none"> <li>• Financial Support to attend Conferences, Workshops etc</li> <li>• Accidental Policy</li> <li>• Tution Fee concession to economically weaker students</li> <li>• Training Department for Placement Preparation</li> <li>• Placement Cell</li> <li>• Award to Meritorious Students</li> <li>• PG Scholarship</li> <li>• Free on Campus Medical Facility</li> <li>• 50 Tution Fee waiver if earning member of the family dies</li> </ul>

**6.4 – Financial Management and Resource Mobilization**

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

Internal audit of financial activities of the University is regularly conducted periodically by Finance Officer and Accounts Officer to identity the level of adherence of standard procedure and policies adopted by the University. The corrective measures are taken for any irregularities or omission detected during course of day-to-day financial activities. All financial transactions pertaining to receipt and expenditures for academic and not academic, and for consumable and non-consumable nature are reconciled. External financial audit of the University is conducted by the competent chartered Account periodically. University ensures appropriate corrective measures are implemented based on the findings identifies in the external audit report.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NA	0	NA
No file uploaded.		

## 6.4.3 – Total corpus fund generated

0

**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	No	NA	Yes	IQAC
Administrative	No	NA	Yes	IQAC

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

NOT APPLICABLE

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

- GLA University remains in regular contact with the parents / guardians of all students. Apart from conventional means like speed post, it even uses today's social media including WhatsApp groups.
- Parents / guardians are more than welcome to come to University and see for themselves the progress being made by their ward. All arrangements for their comfortable stay at the University are made. Finally, their feedback is taken which is seriously considered and is implemented to the extent possible.
- A Parent Portal has been developed from where parents can check the attendance of their wards etc

## 6.5.4 – Development programmes for support staff (at least three)

- 1) Choice based credit system (CBCS) has been implement post accreditation.
- 2) Student Grievance Cell, Counselling Centre has been established post accreditation.
- 3) IPR cell has been established post accreditation.
- 4) Consultancy cell has been established post accreditation.

## 6.5.5 – Post Accreditation initiative(s) (mention at least three)

- 1) Choice based credit system (CBCS) has been implement post accreditation.
- 2) Student grivience cell, counselling center has been established post accreditation.
- 3) IPR cell has been established post accreditation.
- 4) Consultancy cell has been established post accreditation.

## 6.5.6 – Internal Quality Assurance System Details

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

## 6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Soft skills, Technical Training and Personality development programme	04/06/2018	01/08/2018	01/08/2018	826

	"IMMERSION 2019"				
2018	Plantation Drive	23/07/2018	28/07/2018	28/07/2018	232
2019	Academic Audit	25/07/2019	06/09/2019	06/09/2019	54
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Womens Day Celebration	08/03/2019	09/11/2019	345	30

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
Percentage of power requirement of the University met by the renewable energy sources : 40

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	20
Provision for lift	Yes	20
Ramp/Rails	Yes	20
Rest Rooms	Yes	20
Scribes for examination	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nil	1	12/04/2019	2	Brij Literature Festival' 19	Promote the local language literature, culture heritage	432
2018	Nil	1	23/09/2018	1	Health awareness Camp	To aware local population about the	112

						importance of hygiene health	
2018	Nil	1	25/11/2018	1	Voter's awareness Camp	Rally to aware local people about importance of their votes and rights	120
2019	Nil	1	15/04/2019	1	Voter Awareness walk	A walk to aware the people about their rights to vote	118
2018	Nil	1	23/08/2018	1	Vrikshropan - Let's Decorate our Mother Earth	Plantation drive to aware the students value of trees and plants in life	35
<a href="#">View File</a>							

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

Title	Date of publication	Follow up(max 100 words)
Human Values Professional Ethics Code of Conduct Handbook	01/08/2018	GLA University is a living, learning, and working community dedicated to the personal and academic growth of its students and serves as an educational, cultural, and economic driver for Uttar Pradesh and the greater public good. The University also endeavours to provide students with the necessary tools to engage in effective communication and to resolve conflicts in an appropriate manner. Freedom of inquiry and freedom of expression are valued as critical components in the

generation and transfer of knowledge to advance the University's mission. Our code of conduct and ethics policy document outlines the mission and values of GLA, how faculty, administrators, and students are supposed to approach problems, the ethical principles based on the organizations core values and the standards to which the professional is held by acting in ways consistent with what society and individuals typically think are good human values. Ethical behaviour tends to be good for business and involves demonstrating respect for key moral principles that include honesty, fairness, equality, dignity, diversity and individual human rights. Our Ethics Policy helps define our commitment to support a culture of openness, trust and integrity in all we do. GLA believes Human Values Professional Ethics Code of Conduct is important because ethics concern an individual's moral judgments about right and wrong. Decisions taken within GLA may be made by individuals or groups, but whoever makes them will be influenced by GLA's culture. Unethical behaviour is an action that falls outside of what is considered morally right or proper for a person, a profession or an industry. GLA believes there is no right way of doing a wrong thing.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
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Teachers Day Celebration	05/09/2019	05/09/2019	1500
International Yoga Day	21/06/2019	21/06/2019	85
International Yoga Day	21/06/2018	21/06/2018	50
Safety of Women	08/03/2019	08/03/2019	450
Blood Donation Camp	27/09/2019	27/09/2019	123
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1) Rain water harvesting is done in university campus. The details of which are as follows: 200pits of 25 feet, 17 pits of 100 feet. 2) Sewage treatment plant is established in university 3) 30 of the campus has green cover. 4) In campus green house is their where medicinal plants are grown. 5) 40 of our power consumption is through solar energy.

### 7.2 – Best Practices

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

- New Generation Innovation and Entrepreneurship Development Centre (NewGen IEDC) - NewGen IEDC aims to inculcate the spirit of innovation and entrepreneurship amongst the young students, encourage and support startup creation through guidance, mentorship and support. It thrives to become, by 2025, a vibrant hub of entrepreneurial activity in the North Indian region, such that local entrepreneurs drawn from students, faculty, staff and other local communities are able to incubate, nurture and grow business ideas into fullfledged companies with a significant market presence. The goal is to have at least 100 companies graduated from the GLA University Incubator by 2025. NewGen IEDC is promoting a culture of entrepreneurship in the Institution. With faculty already trained in various nuances of entrepreneurship, the presence of NewGen IEDC at GLA University is fostering vibrant entrepreneurial culture amongst the students. Many amongst the "JobSeekers" would be converted into "JobCreators" through the entrepreneurial route. The Vision is to catalyze and promote development of knowledgebased and innovationdriven enterprises and promote employment opportunities amongst youth especially students.
- GLA believes it is not the employer who pays wages. Employers only handle the money. It is the customer who pays the wages. Following this in letter and spirit, GLA believes it has huge responsibility to take every possible care of the admitted students whether it is related to their academic side or nonacademic personal development side.
- Academic Care: The faculty teaching atrisk students gives extra time after the classes to help them bridge any gaps in understanding the course curriculum .Special summer classes / special summer semester is held for atrisk students to help clear such subjects during the summer vacations. Every atrisk student is allocated to one faculty advisor who from time to time advises him or her. Life skill workshops are arranged from time to time to motivate students. The HoD takes extra counseling sessions for such students when needed.
- Counseling and support services: Education is a process of learning and transformation. GLA University is always dedicated to the holistic development of the learners. The internal and external challenges which students meet every moment should be resolved in order to empower them. For this a close assessment and a warm interaction with the individual students is mandatory. The counseling center is functioning in the University under theguidance of Dr. Himalaya Tiwari (University Counselorcumpsihologist).
- The purpose of counseling is that students can freely and confidentially express

their academic, emotional and personal pressures and concerns to a counselor, who can help them effectively. The major objective of the counseling center is to facilitate the Academic, Emotional, Social and cognitive development of the students hence to empower them in their learning and personal development. Other than students, parents, and teachers are also getting the benefits from the counselor in order to pave a path to the students inside the campus and in their homes. Evening sessions are mainly conducting for Hostel inmates who are away from their own homes. Some Common Issues are: • Academic pressures ( Lack of concentration and motivation for studies, underachievement, backlogs, exam stress, unhealthy competition) • Loneliness and homesickness • Adjustment difficulties • Peer pressure • Relationship issues • Family Problems • Procrastination • Cyber bullying • Behavioral problems (anger outbursts, disobedience, lying etc) • Low confidence and selfesteem • Suicidal thoughts • Depression, anxiety and other mental health problems • Substance abuse

Timing for Consultation: Centre will function in three working days from 6:00 pm to 7.00 pm. on prior appointment. Slot confirmation will be sent by SMS or mail to the registered number or email. Steps for Booking the Counselling Slot. • Login Student account of GLAMS(glauniversity.in:8083) • Click on Counselling: • Fill the appropriate details in the given form

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

<http://www.gla.ac.in>

### 7.3 – Institutional Distinctiveness

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

As per our Vision and Mission, placing our students in industry at the appropriate level is at top priority. We are proud that on the average over the last so many years we are able to place nearly 74 students through oncampus recruitment itself. The department of Training and Placement at GLA University is an integral part and backbone of the University. We at GLA University strongly believe in the creation of good quality human resources with training of intellectual minds. To help students standout and gain competitive edge over others, we emphasize development of both functional skills and exceptional practical outlook. Our focus is on placing students in various establishments according to their area of interest and specialization. Numerous corporate interactions in the form of Guest Lectures, National Conferences, Workshops, Seminars, Webinars, and industrial visits are held to enable students to understand reallife situations and experiences. More than 200 companies visit GLA University every year and offer jobs and placements as the university provides up to 5 opportunities to every student to select their career path. Our Placement Ready Enhancement Program (PREP) through the training of verbal, numerical, logical, and analytical skills leads students to become industry ready and enables them to face the interviews of various oncampus and offcampus placement drives. For the 2019 batch our students received more than 2500 offers in more than 350 MNCs. We placed 235 students in WIPRO, 161 in Capgemini, 98 in TATA Consultancy, and 9 in Microsoft.

Provide the weblink of the institution

<http://www.gla.ac.in>

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

Credit Transfer Mechanism for SWAYAM and IGNOU courses: In line with MHRD's initiative GLA will like to develop a mechanism so that students can take free on line courses offered by SWAYAM, and also courses offered by IGNOU and have their credits transferred to meet the degree requirements of the courses offered by

GLA. Accreditations and MoUs: GLA presently has MoUs with 5 US Universities. GLA will like to use it and provide opportunity of international exposure to all students of some applicable programs as built in component of the programs. GLA's Institute of Business Management is in the final stages of accreditation by IACBE. GLA will like to have its many more programs accredited by similar international agencies and / or NBA. Garden of Creativity: GLA is very much interested in encouraging its students to think differently, out of the box, and travel a path less travelled by working on problems or working on new ideas in its incubation centre. We want our students to understand and learn that even those who to us appear to be successful have failed so many times before becoming successful. As Michael Jordan said, "I have missed more than 9000 shots in my career. I have lost almost 300 games, 26 times. I have been trusted to take the game winning shot and missed. I have failed over and over and over again in my life. And that is why I succeed." Centre of Excellence: Solar Energy: As developing countries, including India, demand increasing amounts of electricity to sustain their economies, longterm planning is needed to balance this growing need for power and environmental concerns. Solar power has the solutions that are not only reliable, affordable and green but can also provide employment to many and make India important player in this field. GLA believes every problem is a brilliantly disguised opportunity, and we have a huge responsibility as well as an opportunity and would like to address these issues by creating a centre of excellence in the field of Solar Energy such that in 5 years from now the cost of generation of solar energy in India will become 50 of conventional ways of power generation. Tree Plantation Drive as CSR by GLA: The term 'deforestation' describes the complete long term removal of tree cover and is one of the major causes to the environmental degradation. The consequences are food problems, exposing soil to heat and rain, flooding, loss of biodiversity, displacement of indigenous communities, climate change, economic loss, and health issues. We cannot escape the responsibility of tomorrow by evading it today. A new law in the Philippines requires school and college students to plant at least 10 trees if they want to graduate. If implemented properly, it could lead to at least 175 million trees to be planted each year! (<https://www.indiatoday.in/educationtoday/news/story/newlawinthephilippinesrequiresstudentstoplant10treestograduate153836120190530>). GLA will like to take preemptive action and as CSR, in consultation with the authorities, include this in our system