



**GALGOTIAS
UNIVERSITY**
— Uttar Pradesh —
CREATING KNOWLEDGE

6.2.1

**The Institutional Strategic Plan is effective
deployed**

2018-23

Galgotias University

Plot No. 2, Yamuna Expressway,
Opposite, Buddha International Circuit,
Sector 17A, Greater Noida,
Uttar Pradesh 203201, India



2013 – 18 REVIEW & 2018-23 STRATEGIES

PREPARED IN 2017 updated in 2019

The logo of Galgotias University is a stylized, circular emblem composed of several overlapping, curved bands in shades of red, orange, yellow, and blue, creating a sense of motion and energy.

Galgotias University

Greater Noida

U.P. India

Strategic Plan for Academic Excellence

2018-2023

January 2018

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Bimal
Galgotias University
Uttar Pradesh



During the course of the strategic plan 2013-18, we attempted to build on Galgotias build of long tradition of academic commitment to foster a culture in which innovation plays an important role.

VISION

To be known globally for value-based education, research, creativity and innovation.

MISSION

- Establish state-of-the art facilities for world class education and research
- Collaborate with industry and society to align the curriculum
- Involve in social out-reach program to identify concerns and provide sustainable ethical solutions.
- Encourage life –long learning and team-based problem solving through an enabling environment
- One major strategic intervention for 2018-23 (induction program)

The Quality Policy of Galgotias University is

"Continuous Improvement of Professional Skills and Ethical Values of the Next Generation Human Society by means of Quality Education and Research"

The Core Values

The Galgotias University has been known for its highest standards of education and its continuous efforts of nation building by skill development in the young generation of the nation.

The Galgotias University believes and maintains the following Core Values in all its academic and management processes

- Enthusiasm to Innovate
- Quest for Excellence
- Zeal to inspire the next generation of leaders
- Openness and Transparency in communication
- Trust, Dependability and Commitment


Now in its 9th year the University has grown to about 13 and several new schools have been added and the number of schools and programs now include.

Rajni
Rajni
Galgotias University
Uttar Pradesh



Galgotias University

Name of the School	Program offered	year of inception
School of Computing Science & Engineering	Integrated BCA + MCA	2015
	Ph.D. Computer Application	2014
School of Engineering	M.Tech Mechatronics	2014
	M.Tech in Chemical Engineering	2014
School of Engineering	Ph.D. Civil Engineering	2017
School of Architecture & Design	Bachelor of Architecture (B.Arch.)	2014
School of Finance & Commerce	MBA Financial Management	2015
School of Hospitality & Tourism	M.A Economics	2017
	Bachelor of Tourism Administration	2019
School of Liberal Education	B.A (Hons) Sociology	2017
	BA (J & MC)	2015
	MA (J & MC)	2015
School of Medical & Allied Sciences	B.Sc. Medical Laboratory Technology	2015
	Bachelor of Optometry	2015
	B.Sc. Cardiovascular Technology	2015
	B.Sc. Healthcare & Clinical Research	2017
	M.Sc. Clinical Research	2017
	Ph.D. Pharmacy	2014
School of Basic & Applied Science	M.Sc. Physics	2015
	M.Sc. Chemistry	2015
	M.Sc. Mathematics	2016
	M.Sc. Bio-Chemistry	2015
	Ph.D. Physics	2015
	Ph.D. Mathematics	2016
	Ph.D. Bio Chemistry	2017


 Dean
 Galgotias University
 Meerut, Uttar Pradesh



Galgotias University attempts to ensure that it delivers higher educational experience to the students. Validation of this effort are the QS rankings 2017 wherein the university was awarded 5 star (5/5) rating in Teaching and Facilities in the recently (2017) published Q Stars global rating list. The University Fetched 4 stars in Inclusiveness and 3 stars in Employability criteria. Only seven Indian Universities are listed in the recently published Q Star international rating, and Galgotias University is one among this elite University list.

List of Awards

- The DQ ICT Award for Excellence in Academics & Placement by Shri Narayana Murthy, Ex-Chairman Emeritus, Infosys, 2015.
- The DQ ICT Award for Excellence in Academics & Placement by Shri Narendra Modi, Prime Minister of India, Top Ranking University in Academics & Global Linkages, 2015.
- Top T-School by Shri Manish Sisodia, Deputy Chief Minister of Delhi.
- Honored with Appreciation for Academic Excellence by Shri Pranab Mukherjee, Former President of India.
- Honored with Appreciation for Academic Excellence by Shri Rajnath Singh, Union Minister.
- Honored with Appreciation for Academic Excellence by Pratibha Patil, Former President of India.
- Excellence in Academics and Placement by Shri S. Ramadorai, Advisor to Prime Minister of India in National Council for Skill Development, Govt of India, Data Quest Cyber Media ICT Awards 2016.
- Best University Award for Academics and Placements by Shri Akhilesh Yadav, Former Chief Minister of Uttar Pradesh, Leadership Awards, 2016.
- India Excellence Award 2017 by Shri Prakash Javadekar, Union Minister of Human Resource Development, Best Private University in Academics and Placement, 2017.
- ASSOCHAM Awards by Shri Prakash Javadekar, Union Minister of Human Resource Development, Best Private University in Academics and Placement, 2017.
- Education Excellence Award by Times Research.
- NASA Approval for Galgotia Students Moon buggy (Selected for Permanent Exhibition).
- Awarded with UPTU Academic Excellence.
- Nano Technology Research lab approved by GOI Grant.


D. Q. A. C.
Galgotias University
Uttar Pradesh



List of Rankings

- Ranked 2nd among Top T-Schools 2016 by India Today-Nielsen by DQ-CMR Survey.
- Ranked 6th among the Best Colleges of India by India Today-Nielsen.
- Ranked 5th among B. Schools by The Times B School, 2016
- Ranked Top on Excellence in lineage, Pedagogy, Infrastructure, Curriculum, Industry Interface & Faculty by Times group Engineering Survey, 2016.
- Ranked 3rd among Emerging B-School by The Times of India, 2017.
- Ranked as one of top 100 among India's Best Business Schools by Outlook.
- Ranked 12th among top law schools by GHRDC Times Annual Survey Report.
- Ranked as Top Institutions for Education Excellence by HT Campus C-Fore Survey at Hindustan Times Campus Conclave.
- Ranked as Top Institutions for 100 % Placements by C-Fore Survey.
- Ranked as Top Engineering Institutions of India by The Week Hansa National Survey.
- Ranked Top among Top 10 in School of Law by Mail Today Indus Learning Survey.
- Ranked as Best Engineering College by Careers 360.
- Ranked Top on India's Best Professional Colleges by Outlook-MDRA Survey.
- Ranked one among Top 3 Engineering Colleges by ICMR/The Sunday Indian.

In pursuit of these citations and rankings, the University has set itself a path of quality improvement that will win the trust of its many stakeholders including students, faculty, alumni, local authority, employers and accreditation agencies and employers. This requires bold leadership and good planning as was mentioned in the 'strategic plan for Academic Excellence' 2013-18 as also the commitment to be in the forefront of new developments in higher education. The first step in the implementation of this objective set out in the strategic plan 2013-18 was the reviewing and modification of the vision and mission statement of the university in 2017. The new statements as of now state

This document provides strategic goals set out for 2018-23.

B. Kumar
Dean
Calicut University
Uttar Pradesh



Summary of Strategic Plan 2018-23

S. No	Goal No.	Objective	Action Plan
1	Goal-1	Recruit, Mentor and retain the best faculty from diverse backgrounds	
2	Goal-2	Develop cutting edge curriculum and adopt modern pedagogical approaches most suitable to students. Following international practices (OBE)	<ol style="list-style-type: none"> 1. Outcome Based Educa 2. Faculty Development 3. Employability 4. Computer Based Simulations 5. Learning as per the learning pace of studer
3	Goal- 3	GU will continuously raise the academic standards for entry. At the same time, GU will attempt to balance this with attracting students from diverse regional, economic, social, and cultural backgrounds.	
4	Goal- 4	Systems and processes will be put in place for students to get exceptional service and excel in their endeavors	
5	Goal- 5	GU will take advantage of the availability of cutting-edge technologies to create a world class platform for learning and research.	
6	Goal- 6	GU will build partnerships with the industry in the region and encourage entrepreneurship and innovation to support economic development.	
7	Goal- 7	GU will build strategic partnerships with a few select universities in India and abroad to provide distinctive experiences for students and new research opportunities for faculty.	
8	Goal- 8	Develop an outstanding research infrastructure and a research culture at GU	


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 Galgotias University
 Uttar Pradesh



Goal 1: Recruit, mentor and retain the best faculty from diverse backgrounds.

To attract qualified and competent faculty, the University has established a strong HR department which scouts for talent round the year. In addition, reputed head-hunting organizations have been given the mandate to search for the best teaching talents both nationally and worldwide. In fact, it is the policy of the university to recruit and keep on its rolls competent faculty as and when they are willing to join the University even if no vacancy exists at that point of time.

This serves the twin objectives of:

- I) Maintaining student faculty ratio which in certain departments is better than mandated by the accreditation agencies and the regulators.
- II) Ensures that faculty has a rational teaching load so that adequate time is available for research, attending faculty development, management development programs and undertake consultancy assignments.

In addition, ICT tools are used to optimize the faculty reach to the students. The best lectures are recorded in 'IMPARTUS' which is a lecture capture and recording system wherein the students are sent the recorded lecture by way of a mobile app and can have it readily available for revision. Not only this, 'IMPARTUS' is an interactive system wherein lectures being conducted in one location are transmitted to multiple class rooms from where questions can be put to the speakers/faculty/visiting faculty by the students. This ensures that the best faculty in the subject area interacts with a large section of students.

In addition, it is ensured that 20% of the total faculty is adjunct faculty from the corporate/manufacturing world. The teaching environment is made more conducive and compensation packages are comparable with the best. While research is encouraged and incentivized, the university ensures that teaching is the primary function to deliver value to the students and faculty is not distracted.

A series of interactive guest lectures and workshops from the eminent persons in the industry ensure that contemporary issues are addressed and brought to focus of the students. The following data is a sample from hundreds of such events.

- Designing Corporate Treasury Portfolio and Treasury Risk Management by Mr. Prateek Chaturvedi, Director Ernst and Young LLP
- Money, Banking and Capital Markets by Mr. Sanjeeva Sahgal, Former VP, Corporate Banking, HDFC Bank Ltd.
- Tally ERP 9.0 by Vivek Somani, Tally Education Pvt Ltd


R. Kumar
Dean, AAC
Calicut University
Kerala Pradesh



- Workshop on Fraud and Corruption by Chief Auditor of CPA Australia by Dr Aj Purcell, CPA Australia
- Contemporary Issues in the Indian Income Tax Regime by CA Bhanu Sharma Consultant Ernst and Young
- Ground Improvement Techniques by Dr. B. D. Patni, Chief Geologist (Retd), N.H.P.C
- Emerging Trends in Construction Technology by Er. A. K. Agrawal, General Manager, O.N.G.C.
- Aspects of Structural Planning, Analysis & Design of High-Rise Towers by Er. Sanjeev Gupta, General Manager, Jaypee Associates Ltd.
- High Performance Concrete by Er. Amarpal Singh, Chief Engineer, L & T
- Best Career Options & Career Planning by Dr. Anant Kumar, TIME
- Soil Sample Collection and its Analysis by Prof. Mayank Kumar Rai, Krishi Vigyan Kendra
- Indian Literature by Prof. Makrand Paranjpay, Indian Institute of Advanced Study/JNU
- Diasporic Literature by Prof. Brati Vishwas, Delhi University
- Political Mobilization and Democracy in India by Prof. Satish Kumar, Haryana Central University
- Use of Media in Political Processes by Dr. Prakash K Ray, Prabhat Khabar
- Stress Management by Dr. Akbar, Aligarh Muslim University
- Environmental Economics and Labour Economics by Prof. Indra Dutta, Central University of Gujarat, Gandhi Nagar
- International Trade and Finance Issues by Prof. S. B. Dahiya, Maharishi Dayanand University, Rohtak
- WTO and World Economics by Prof. B. P. Singh, VC, Gautam Buddha University
- Social Medicine by Prof. Steven Lawoka, Makerere University, Uganda
- Role of World Leaders In Social Engineering by Prof. Omotayo Adegbuyi, University of Nigeria
- Artificial Intelligence Models for Solar Energy Applications by Prof. Vincenzo Piuri, University of Milan, Italy
- Key Challenges In Implementing Smart Grid Technologies by Prof. S. N. Singh, Coordinator, IEEE Region- Asia Pacific
- Intelligent Data Processing Paradigms and Real-World Applications by Prof. Lakshmi C. Jain, University of Canberra, Australia
- Grids for the Future by Mr. Nihar Raj, Vice President, ABB Ltd.
- Summit: World's No.1 Supercomputer by Dr. Saif Abrar, Head, IBM Next Generation Div.
- Software Personalization Using Machine Learning with Imbalanced Samples by Prof. George A. Tsihrantzis University of Piraeus, Greece

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 Galgotias University
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- Advances and Challenges for Adaptive Hypermedia and Learner Analytics In Smart Web-Based Education by Prof. Maria Virvou, University of Piraeus, Greece
- Human Activity Recognition & Future Challenges by Prof. Atiqur Rahman Ahad, Osaka University Japan.
- Publication Ethics by Dr. Aninda Bose, Editor, Springer Nature
- Energy and Environment Problems Facing the Third World and their Probable Solutions for Sustainable Development and Poverty Alleviation by Prof.D. P. Kothari, Eminent Academician & Former Director, IIT Delhi
- Trends and Challenges in Bio-Inspired Architectures for Nanotechnology by Prof. Valentina E. Bala, University of Arad, Romania
- Digital Transformation of India Marching Towards Trillion Dollar Digital Economy by Dr. B K Murty, Sr. Director MeitY, Govt. of India
- Mergers and Acquisitions by Prof. Markus W Exler, Institute of Corporate Re-structuring, Kufstein University of Applied Sciences
- Big Data Technologies and Visual Analytics: Resources for Business Analytics Research and Teaching by Lakshmi Iyer, University of North Carolina
- Change and Innovation: From Creativity to Innovation by Dr. Huong Ha, New Castle University, Singapore
- Innovation Strategy by Mr. Haja Mohideen, Rocheston LLC, New York
- Lean: Does It Make Any Difference? by Dr. Kaushik Pandya, Sheffield Business School
- Tools and Techniques of Digital Marketing by Sumedha Chatterjee British Medical Journal
- Workshop on Mantras for Success WINNING AT CAMPUS PLACEMENT by Mr. Rishabh Tandon, Director Human Resources & Training at Inter-Continental Hotels Group
- Workshop on Mantras for Success 2 by Mr. Sunil Gupta, Chief Executive officer (C.E.O), ITC Welcome Heritage Hotels

A few of the distinguished visitors like Chief Justice Deepak Mishra, Hon'ble Vice President Venkiah Naidu, BJP Spokesperson Sambit Patra who have enriched the student experience in the recent past.

The HR department communicates regularly with the deans/principals and departmental heads to take their inputs regarding faculty requirements and ensures gaps are plugged in the shortest possible time.

The University ensures that 100% of the faculty are oriented and trained on emerging trends in their respective domains and pedagogies. In fact, the University has aggressively adopted 'Outcome Based Learning' approach to instruction and every faculty has been trained for 8 days by experts from Quality and Productivity Division, Engineering Staff College of India (ESCI).

R. Unal
Dean
Galgolia University
Uttar Pradesh



Strategic plan for Goal 1 in 2018-23

GU goal will be to attract more faculty members from industry corporate world in addition to faculty members with overseas exposure. We will be inviting experts from industry along with three professors in the recruitment process of faculty members.


Deemed to be
Gautam Buddha
University
Uttar Pradesh



Goal 2: Develop cutting edge curriculum and adopt modern pedagogical approaches most suitable to students. Following international practices (OBE)

The curriculum is reviewed and revised every academic year through an established procedure for conducting the Board of Studies. The external panel of experts in the BOS consists of a mix of academicians from the best institutions both nationally and internationally and professionals from industries/organizations which are listed in the National Stock Exchange.

This ensures that the latest technological development requirements are included in the curriculum and the obsolete topics are removed. A rigorous process of comparison of GU curriculum with reputed national and international educational institutions ensures relevance and competitiveness of the curriculum.

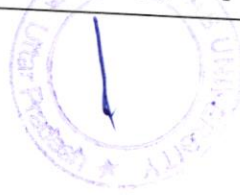
The recommendation from companies like WIPRO, COGNIZNT, INFOSYS, NIIT, NASSCOM and ADOBE etc. have been incorporated in the curriculum and round the year training for faculty and students are conducted in the relevant areas. Some of the topics on which training to faculty & student is imparted are:

Name of Training Institutions	Topic	Participants
Bennet University	Deep Learning	50 B. Tech (CSE) students + 19 Faculty
GU work shop	Nature Inspired Algorithm	20 Faculty
Bennet University	Big Data Analytics	55B.Tech (CSE) students
NIIT	Sun Java	489 students of B. Tech (CSE)
CADD center	AutoCAD 2D	247 students of B. Tech (Mech, Civil, Chemical)
CADD center	SolidWorks	150 students of B. Tech (Mech)
CADD center	STADD Pro	100 students of B. Tech (Civil)
CETPA	Java	388 students of B. Tech (CSE)
CADD center	Chem CADD	30 students of B. Tech (Chemical)

As a result of these training interventions the University has been able to offer courses in the following advanced technology areas:

Name of Course	Program in which offered
Java Programming	B. Tech Computer Science Engineering (All specializations)
Machine Learning techniques	B. Tech Computer Science Engineering (All specializations)

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All schools ensure that their curriculum incorporates the latest requirements/developments of the industrial world. There is a lot of focus on experiential learning in the syllabus with Project Based Learning (PBL) and Research Based Learning (RBL) included in all programs at the University.

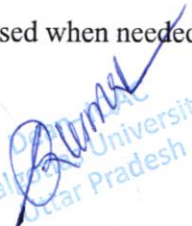
In fact learning by doing by way of PBL & RBL approach to instruction followed at the University enables the students to become life-long learners, sows the seeds of entrepreneurship and also engage in advanced studies leading to careers in research and academia (As set out in strategic plan 2013-18). The students study a number of value added courses in Ethics and Human Values, soft skills and quantitative aptitude. The University core, program core, program electives ensure flexibility in the curriculum. With the launch of program in law, physiotherapy, hotel management, MBA, Media studies, finance, new programs in School of Liberal Arts, significant progress has been made in the flexibility offered in the curriculum.

Leadership training is imparted by the trainers from the school of Life Long Learning who ensure that all skills required in business communications, team building and interpersonal relations are given to the students. Problem solving skills is a focus area and following are few samples of student projects which are recognized by funding agencies.

- Mr. Sumit Mishra of ECE 4th Year granted amount of Rs. 6.25 lakh for project titled: FMCW RADAR DETECTOR.
- Mr. Vatsala Shukla of ECE 4th Year granted amount of Rs. 6.25 lakh for project titled: TEXT TO SPEECH as alternate to BRAILLE.
- Mr. Sumit Mishra of ECE 4th Year granted amount of Rs. 6.25 lakh for project titled:
- LOW RESOURCE COMMUNICATION MODULE
- Mr. Utkarsh Dwivedi of ECE 4th Year granted amount of Rs. 6.25 lakh for project titled: Drive Fly"-A car dashboard

The following are few examples of outstanding student achievements which received outside world attention in the recent past.

- Simran Bajaj and Aishwarya Singh, along with their mentor Maham Malik from Galgotia's University have designed and engineered an environmental-friendly AC which works on brine and it isn't a coolant, which comes under the chemical category.
- Kumar Shubham, B. Tech CSE-IBM, batch 2012-2016 designed a Safe UP app which is now associated with UP Govt.'s Dial 100 program. This application provides various out & in's in maintaining the people safety as well as for the working police activity.
- Rohan Garg, B. Tech Student developed an App which has features such as ability to view attendance day by day, month wise and even subject to wise. Also, one can keep track of library books they have issued and the due date.
- Nisha Chaube, B. Tech student has prototyped Travel Bag with folding seat, a lightweight folding seat in traveling bags so that the same can be used when needed.


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- Rahul Agarwal, B.Tech. Student has customized the 3D printer by integrating unique rail mechanism and inductive sensor which provides extra stability and precision in auto bed leveling thereby reducing the efforts to manually tighten the bed.
- Pashupati Nath Mishra, B.Tech. student has prototyped an Advanced Trolley with on Spot Billing, a microcontroller-based TROLLEY which is totally automatic. It follows the customer while purchasing items and "it maintains safe distance between customer and itself".

In line with the requirements of the current IT savvy youth, the University has extended the reach of MOOCs such as SWAYAM and NPTEL to encourage self-learning and adopt flip classroom instruction and blended learning. In Moodle the students get access to all instructional material and are able to take quizzes and see its evaluation on a real time basis.

The digitization process at GU has gone a step further and includes use of digitized texts which are interactive and enable the students to self-evaluate and faculty to monitor and assess the student's progress on a real time basis.

Strategic Plan for 2018-23.

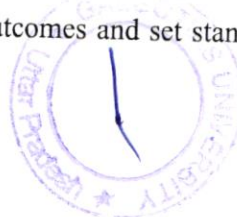
1. OUTCOME BASED EDUCATION

- Improve efficiency and reach of outcome of education imparted at GU. The process of training faculty in outcome-based education shall continue on a rigorous basis and so shall the process of uploading course out coming and assessing their achievements which has recently been put in place in the University ERP – In-pods shall further refine.
- The analysis of the achievement shall be fed back into the system by way of defining measures for further improvement required for better achievement of outcomes.
- Centre for Enhancing Teaching and Learning (envisaged in 2013-18) shall be set up headed by Vice-Chancellor staffs who is well versed in creating effective surveys and in assistantship quality and student learning outcomes. The center will also advise the Deans and HODs on how well or not their faculty as a whole is doing to meet the student needs and recommend new initiative to improve the quality of teaching.
- GU conducts online feedback survey (annexure I) the feedback survey has been modified for getting direct responses and it is mapped with the course and program outcome. The performance statistics of the various courses will be analyzed by the Centre for Enhancing Teaching and Learning (CETL) to understand where improvements are required.

Action Plan -1

All faculty of GU must be certified of OBE. Implementation of Tools of OBE in all programmes offered by different schools at GU. To achieve this every faculty member of GU will be trained with tools of OBE so as to do assessment of desired outcomes and set standards for future. The

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 Director
 Calicut University
 Kozhikode
 Kerala Pradesh



department internal quality assurance cell introduces in the since 2014-15 shall be strengthened to improve the quality teaching learning process.

Courses on social responsibility, lifelong learning innovation, entrepreneurship will be part of curriculum wherever applicable.

Action Plan -2

The students learning to be assessed. The question paper for the Continuous Assessment must be mapped with BTL Level. Software may be developed for the same.

2. Faculty Development

- Each faculty will be required to submit an Annual Performance Report to the program Chair/HOD which will be approved by the Dean. In the Annual Performance Report, the faculty shall also report how the goals outlined in the previous years' plan were met. Consolidated report school wise will be prepared mentioning best, good, average below average performers. Average and below average ranked faculty members will be facilitated with training need in concerned areas.
- In July every year the Dean shall prepare a list of Faculty Development programs to be offered in the schools. Also, a list of external experts shall be maintained by the Dean to conduct FDPs and workshop on methodologies and pedagogy. The workshops must be conducted prior to the commencement of classes and shall be compulsory for all faculty to attend.
- After the feedback process, a performance evaluation letter will be prepared and provided to the faculty member. Selected letters for the best, average and below average performers in each school will be submitted to the Vice Chancellor by the dean of the school.

3. Employability

- Curriculum will be designed to empower employability skills to the students. GU shall attempt to ensure that at least 90% of the student's secure employment/self-employment or engage themselves in higher education.
- Every Student of Galgotias University shall engage in at least one socially productive activity in his or her period of study. Currently, the School of Law students provide free legal aid and service to neighbor in villages. The School of Nursing has been providing free medical services and education to villagers and residents of slum areas.
- GU shall connect with local communities by engaging faculty and students
- Training of students on innovation and entrepreneurship skills.
- Each school shall be part of a professional chapter in its respective domain.
- More assignment-based problem solving shall be given to the students on problems to which they are expected to find a solution. The assignments shall be based on course outcomes in order to develop self-learning and lifelong learning skills.

Runeel
Dean
Galgotias University
Uttar Pradesh



Action Plan – The students must take up 6-month internship and credits transfer with the industry to be explored.

4. Computer Based Simulations:

- The percentage of simulation-based content delivery in the laboratory on selected topics shall be increased.

5. Learning as per the learning pace of students:

Though the concept of 'Slow and fast learners and strategies for the same have been put in place, it is to be further implemented. The strategies for slow learners like giving supplementary assignments, extra classes, regular mentoring to resolve personal and professional difficulties shall be put in place.

For those with a CGPA of more than 7.5 (fast learner) a mechanism shall be put in place wherein the student can complete his credits except for project work. 6 months or a year before the duration of the program in the balance period of the duration of the program the student shall undertake a live project with industry. The fast learners shall also be encouraged to publish research papers either individually or with the faculty.

The Department Internal Quality Assurance Cell (DIQAC) introduced in the last two years shall be strengthened to improve the quality of the teaching learning processes.

Action Plan

CBCS to be implements full flash.

Baner
GALGOTIAS UNIVERSITY
LITERA PRADESH



GOAL 3: GU will continuously raise the academic standards for entry. At the same time GU will attempt to balance this with attracting students from diverse, regional, economic, social and cultural backgrounds.

In engineering and management, the University conducts its GUEEE & all India Entrance Examination which has improved the standards of admission considerably. In law and architecture, the merit in national level entrance exams is used. External testing agency (name of the agency) is used to conduct the tests.

The admission cell has been considerably strengthened and the process of applying and fee payment has been digitized. The counseling process is headed by competent faculty from each school who address the queries of parents and students.

The top management has pro-actively marketed the strong institutional identity and areas of strength, past accomplishments at regional /national and international levels and has therefore effectively differentiated GU from its competitors. Brand creation has been carefully done through media personal representation in national & international forums and is backed by a track record of performance and progress on all parameters be it academic delivery, training and placement and Industry research industry interface.

Residential facilities for students have been continuously significantly upgraded with air-conditioned class rooms and halls for extracurricular events within the hostel. Sports facilities and a fully equipped gymnasium are also available. The air-conditioned mess is facilitated by SODEXO an international company that ensures high standards of hygiene and health. This is a major source of attraction and the strategic plan of 2018-23 shall continuously expand scope of its activities to give the students an ambience of "home away home".

Strategic Plan for goal 3 2018-23

1. University transport is available from campus 1 to campus 2. When Metro services commence, the University later in 2018 shall be well connected with Delhi/NCR and attract the best of students from distant locations shall no longer be an issue.
2. The University grants a large number of merits cum means scholarships to students and shall continue to do so to attract better students. The social outreach programs will involve visits of faculty and students to villages and inform them about the opportunities available at GU. This will enable GU to play its role in the nation building process by reaching out to young students from economically weaker sections providing and opportunities to the meritorious ones. Villages to be adopted for outreach activities and all schools shall extend and align their activities with the same.
3. Efforts shall be put up to attract more international students.


Gautam
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Uttar Pradesh



GOAL 4: Systems and processes will be put in place for students to get exceptional service and excel in their endeavor.

A student Centre approach is what drives the University. The University has 30 student clubs which are managed by the students. Leadership training is gained by them as the coordinate and organize events and procure sponsorship. The University provides resources and infrastructure for student initiatives.

Extended library and lab hours are available to students.

1. A student grievance cell gives opportunity for speedy redress of complaints. Efforts shall be made to operate both library and labs for 24 hours. Flexibility in attendance is granted to students with a CGPA of more –than 9 to enable him/her to pursue projects and write research papers.
2. A University annual youth festival brings the best creative minds together. Each school shall also organize its departmental festival.

Strategy for 2018-23.

1. The number of international students seeking admission to Galgotias University has gone up substantially and currently countries like Africa, Middle East and SAARC region are reaching GU in large numbers.
2. Bridge courses in English communication for the international students are in pipeline. Also, plans are underway to integrate these students so that a truly global environment for education is provided. Acceptance and respect for diversity is to be improved by conducting sensitization programs for Indian students. The advantage of heterogeneous teams is knowing the world over and Galgotias University aims to increase its heterogeneous student profile.
3. Short term programs (4 weeks to 6 weeks duration) shall be designed to offer a taste of rich Indian history and culture, economy and business and unique GU experience.
4. These short-term courses shall also include courses in management, law, design engineering IT & Technology, Media, Humanities Health, Communication skills and liberal arts.
5. To be strengthened further are the hostels/guest houses for international students which shall be of international standards. Although MOUs do exists with foreign Universities, the student exchange programs shall be activated in the next 5 years. International exchange programs, faculty exchange programs and semester aboard program will be put in place.

Action Plan – Mandates/SOP must be developed for all the academic and administrative process.


Deputy VC
Galgotias University
Uttar Pradesh



GOAL 5: Galgotias University will take advantage of the availability of cutting-edge technologies to create a world class platform for learning and research.

1. Since 2013, Galgotias University has been promoting socially/locally Relevant and nationally/globally significant research. The University attempts to nurture a culture for quality research innovations. The University has put incentive plans for research paper publication in Scopus indexed journals with high impact factors. In line with the global trends the University has launched a number of advanced technology courses such as-
2. To ensure that trained faculty is available the University has tied up with Adobe, NIIT, Wipro, Cognizant to train faculty in (give names of the training)
3. All classrooms are fitted with projectors and WIFI to enhance the learning experience of the students. Full connectivity in the classrooms allows the students to work on collaborative project-based learning, group problem solving exercises and discussion of case studies, promoting teacher –student interactions, use of internet learning resources and capturing the lecture material and making it available as resource to students in the off hours.
4. The University has installed Impartus, the lecture capture system in classrooms and conference rooms where lectures from the best professors and distinguished professionals from the industry are captured and maintained in a repository for students and faculty to read as per their convenience or requirement.
5. The University provides simulation Labs such as MAT lab, ANSYS, Animal simulation Lab, Flight Simulator Lab, Ticketing Lab etc.
6. RF campus, the Online Management System is a repository of end-to-end solutions for University management from admission, examinations, results, course and program outcome analysis and alumni relations.

The University has set up Moodle Learning Platform.

Action Plan -1

- Moodle is a Learning Platform or Course Management System (CMS) - an Open-Source Software package engaged to help GU faculty create effective online courses based on pedagogical principles. It enables our educators to create their own private website filled with dynamic courses that extend learning anytime anywhere.
- Galgotias University Moodle installation stands top in Asian region in terms of number of users and test instances. In GU – LMS (Moodle) hundreds of courses created, on which contents, gradable assignments, quizzes etc. uploaded. GU – LMS allows users to exchange information using both synchronous (chats) and asynchronous (forums) mechanism using chat, big blue button, feedback, etc.


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- Resource materials are managed using files, folders, pages, posters, URLs, videos, and book contents. It helps in assessment of the learners using Quizzes, Assignments, Virtual Programming Labs (VPL), and Surveys etc. It also has collaborative activities like Chat, Wiki, Forms, Survey etc. to make online education scalable effective and fun.
- GU – LMS also have report generation system which tracks all the logs of users, Activity usage, and statistical analysis of course etc. As it is truly open source, it can be added with a large number of plug-ins to create new features.
- GU – LMS has a support mechanism in terms of a dedicative team and process to ensure the end users are effective usage. The support team conducts periodical training programs and runs a course on Moodle usage to update the recent changes in the system.
- Benefits of Moodle:
 - Easy to use
 - All-in-one learning platform
 - Highly flexible and fully customizable
 - Scalable to any size
 - Robust, secure and private
 - Use anytime, anywhere, on any device
 - Extensive resources available
 - Backed by a strong community
- Moodle at GU:
 - We use Moodle to provide resources and all deliverables to students.
 - Students and Faculty can access the Moodle at their own place.
 - Assignments were provided through Moodle.
 - Quizzes are conducted and evaluated using Moodle.
 - E-Books, Lecture Videos and various materials are offered through Moodle.

Action Plan -2

- Virtual Lab is to be established

Action Plan -3

- Digital library to be established

Action Plan -4

- Faculty research targets shall be set and they shall be targeted on how to peruse.

Action Plan -5

B. Kumar
 Dean, IAC
 Galgotias University
 Uttar Pradesh



- They shall be deputed for conferences, seminars professional development and research incentives to be institutes.

Action Plan -6

- Every year at least 200/300 indexed papers to be published by GU faculty members.

Action Plan -7

- R & D grants to be targeted 1 Cr. To be achieved from the various agencies.

Action Plan -8

- Towards this objective GU have proposed centers of excellence through active collaboration with Government & Industries
 1. Atal Community Innovation Centre (Applied to NITI Ayog)
 2. VI Path
 3. Leading India
- (A) GU has also organized a number of international conferences in collaboration with research organizations wherein many foreign researchers have participated to do brainstorming on emerging technologies in association with IEEE has been organized. This conference attracted more than 180 research paper from 12 countries including US, Canada, Australia, UK, and Saudi Arabia.
- (B) The school of Business too, organizes an annual international conference on “Paradigm shift in Management and technology”.
- (C) The School of Basic & Applied Sciences organizes an annual international conference on forensic science called agora.
- (D) To promote research in the university, Ph.D. programs are currently offered in all schools where Post Graduate programs are running. There is a substantial increase in the enrollment of Ph.D. program in last five years. About 37 patents have been filed by faculty members and students in recent years.

Action Plan -9

ICT tools are used to facilitate the students to learn at their pace. The lectures are recorded in “Impartus” which is a lecture capture and recording system wherein the students are sent the recorded lecture by way of a mobile app and can it readily available as and when desired. Not only is this, “Impartus” an interactive system wherein lectures being conducted in one location are transmitted to multiple class rooms. This ensures that the best faculty member in the subject area interacts with a large section of students.


Dr. [Signature]
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STRATEGIC PLAN FOR GOAL 5 FOR 2018-23

- The strategic plan is to extend the reach of MOOCs and using technology to start distant learning programs. Also, proposed are short-term value-added courses in STEM (Science Technology Engineering and Mathematics) such as pharmacovigilance, statistical analysis, data science engineering, competency mapping and leadership and team building programs which the students can opt for along with their chosen program of study which will improve their skill sets.
- Also proposed are certificate program in SMAC (Social, Mobile, Analytics and Cloud) which will enable students to reach their dream companies.
- The University has recently been selected for 'Unnat Bharat Abhiyan' a government of India initiative in which the faculty and staff of the University shall use technological interventions for upgrading the quality of life of the selected villages.

B. Singh
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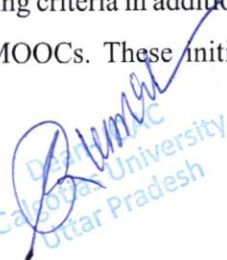


GOAL 6: Galgotias University will build partnership with the industry in the region and encourage entrepreneurship and innovation to support economic development.

- In fulfillment of the above goal set out in 2013-18 strategic plan, the School Advisory Board, consisting of alumni and industry professionals have been formed in every school. The board interfaces with alumni and establishes strong industry bonds. IOT labs have been set up with inputs from ST Microelectronics and funded labs have been set in association with STM on Machine Learning and artificial intelligence.
- Each school organizes at least 5 industry visits for students every year.
- Workshops on current industry trends are organized with corporate executives.
- Built into the curriculum is Project Based Learning wherein students are encouraged to undertake 6 weeks projects of their choice at the end of the 4th and 6th semesters.
- The school advisory Board meets every semester wherein every department makes a presentation about their program and writes suggestions from the board members. The objective laid down in 2013-18 strategic plan are being progressively achieved as technical projects are part of the learning methodology at the University. The placement office and the Galgotias faculty work in collaboration for identifying training and placement opportunities and also in obtaining live projects for students to work on.
- The University has recently been selected for “Unnat Bharat Abhiyan” a government of India initiatives in which the faculty and staff of the university shall use technological interventions for upgrading the quality of life of the selected villages.
- Faculty members and students will undertake industry based mini projects to address burning issues and solve environment/social issues.

Strategy for Goal 6 for 2018-23

- The next five years will see the University strengthening its industry linkages by way of introducing more industry integrated programs to improve the employability of students.
- The University shall introduce the concept Industry chairs in each of its programs wherein distinguished industry professionals shall be invited on the academic panels and shall guide and encourage the industry relevance of the programs.
- The University shall move to more self-learning initiatives. The reach of SWAYAM and other MOOCs shall be extended, flipped classroom more shall become a norm and smart books will improve the assessment and monitoring criteria in addition, the faculty shall be encouraged to create courses on SWAYAM and other MOOCs. These initiatives will reduce the classroom teacher


Dean
Galgotias University
Uttar Pradesh



centered learning and leave time for the students training on industrial projects, undertake research work in labs and in the field.

- Galgotias University shall connect with local communities by engaging the faculty and students. Surveys of neighboring villagers shall be conducted and customizations of technologies as required by the people of these villages. Issues of hygiene, solar power generated electricity, self-employment, and gender sensitization shall be done with the help of outreach programs.
- A one or two credit course shall be offered in each department to instill social responsibility.



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GOAL7: Galgotias University build strategic partnerships with a few select universities in India and abroad to provide distinctive experiences for students and new research opportunities for faculty.

- A. The learning by sharing concept put forward in the strategic plan 2013-18 for developing a capable cadre of professionals who can compete with the best in the world, has been taken forward.
- B. The University has fostered partnerships with the following international Universities:
 1. Goethe University, Frankfurt, Germany
 2. Purdue University, Calumet Campus, USA
 3. University of Arkansas, Fayetteville, USA
 4. University of Maryland
 5. Kent State University
 6. Institute of Accountancy Arusha, Tanzania
 7. Inter Napa College, Sotira, Cyprus
 8. Chifley Business School, Australia
 9. Northern Illinois University, USA
 10. University of Pisa, Italy
 11. Groupe INSEEC, France
 12. American Graduate School of Business, Switzerland
 13. Taylor University, Malaysia

- Galgotias vision is to be known globally for value-based education, research, creativity and innovation. To realize this vision Galgotias University leaves no opportunity to partner with reputed national and international partners. The University is a member of the Indo US collaboration for Engineering Education (IUCCEE). This is a forum where all institutions have a chance to understand and implement successful change initiatives from other institutions as a part of their annual plan. This initiative is essentially a quality movement in industry using cluster approach and obtaining lessons from industry for quality improvement in engineering education by industry experts. The website of the University carries detailed information regarding the university initiatives which help and guide our national and international partners in their decision making and opportunities assessment.
- International faculty are on the Board of studies of schools and help to review the curricula.
- Concerted efforts have made to attract international students from African nation, Middle East and the SAARC nations and today the number of international students has gone up to 390.


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Galgotias University's goal is internationalization of education and attracting a diverse profile of students. Toward this objective, attractive scholarships are given to attract student talent from across the world. English training programs are offered for students of non-English speaking nations.

International Students Day is celebrated wherein students from across the world show case their cultural and history through various performances and events.

Strategies for goal 7 for 2018- 23

The objective is to become a truly globally significant University. Towards this purpose the University proposes to create a program of International visiting faculty and scholars leveraging the sabbatical leave programs offer various international Universities and increasing the number of international students and increase the number of nations whose students opt for programs of study at Galgotias University. In addition, Galgotias University proposes to design short term programs on rich Indian history and culture, economy and business.

Currently, special residential facilities are arranged for international students outside the campus. It is proposed to create an infrastructure within the campus that is tuned to the needs and expectations of international students.

The University proposes to increase the international experience of students by accepting and sending students on exchange programs.

International faculty appointments shall be encouraged in all disciplines.


Dr. Anil K. Singh
Galgotias University
Uttar Pradesh



GOAL8: Develop an outstanding research infrastructure and a research culture at Galgotias University

Galgotias University is a young University and is aware of that it takes years to develop an effective research infrastructure.

Towards this objective GU has in the period 2013-18 set up centers of excellence in the following three areas through active collaboration with national partners and Universities.

1. NASSCOM
2. Ennoble IP
3. Bennet University

It has also organized a number of international conferences. The GUCON 2018 on Computer, Power and communication technologies association with (IEEE). These conferences attracted once 1000 research papers from 18 countries out of which 241 were accepted.

Substantially extended versions of selected papers which were presented at GUCON 2018 are due to be published in the special issue of INDER SCIENCE PUBLISHERS: "Intelligent Models for Emerging Technologies".

Galgotias University has also hosted for the fourth consecutive year the International conference on Computing and Communication' in association with IEEE UP chapter. This conference attracted research paper from 12 countries including US, Canada, Australia, UK, and Saudi Arabia.

The School of Business too, organizes an annual international conference on "Paradigm shift in Management and Technology"

The school of Basic & Applied Science organizes an annual international conference on forensic science called AGORA

These conferences are the forum where the best research minds from India and abroad, converge, exchange views and proposals for collaborative research are discussed.

The University has been ensuring that only the best minds are enrolled in its Ph.D. program and has been upgrading the facilities for research of the Ph.D. scholars.

Ph.D. programs are currently offered in all schools where Post Graduate Programs are running. This is a substantial increase in the last five years and it also ensures that the faculty Ph.D. supervisors are also growing academically and are focused on research processes and thinking.

Leading academics from India and abroad are invited to share their expertise in various research areas. Faculties are encouraged to be in touch with global leaders in their field of interest.

37 Patents have been filled and 6 have been published

University shall plan to implement the process for the following major initiatives to promote the faculty development and research:


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- Seed Money
- Consultancy
- Reimbursement for FDP and Workshops
- Reimbursement for Professional Society Memberships
- Research Awards
- Incentives to encourage the faculty members
- To Motivate the faculty members to organize and conduct the International Conferences more in numbers as compared to the previous years.

Strategies for goal 8 for 2018-23

In the strategic plan 2018-23 the focus will be on integration of research output with community well-being. Galgotias University is a part of the Government of India's Unnat Bharat Abhiyan wherein 5 villages have been adopted by Galgotias University for development work.

The School of Law, School of Nursing and School of Education shall increase their outreach in the villages to provide legal, medical and educational assistance to the villagers.

Their efforts will be supported by engineering schools which shall apply innovative uses of technology to improve the quality of life and productivity in the villages.

Galgotias University's vision of being known for value-based research will be further aligned with clear cut objectives of creating new knowledge and innovation. Towards this objective, the University will encourage digital self-learning initiatives such as MOOCs among the students to ensure enough time to concentrate on innovative projects. In fact, Project Based Learning and the Research Based Learning approach emphasized in all schools shall give the students hands on experience and shall encourage innovation and an innovation mind set.

In the strategic plan 2018-23 it is proposed to ensure a minimum number of faculty exchange programs with partner Universities from India and abroad. Also, the University shall see greater participation in international research projects and provide opportunities for research at best possible research institutions in India.

The integration of the academics at the University with the goals of the corporate shall be a focus area. Consultancy Projects for industry are being currently undertaken by the faculty and these shall be further strengthened with more research inputs for corporate by faculty of Galgotias University

Rajni
 Dean, QAC
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Abstract of Strategic plan to be implemented from 2018-23.

A. 2018-19

1. Implementation of OBE
2. CTS
3. 200 indexed papers
4. Village Adoption
5. Digital Library
6. Virtual Lab
7. World Class infrastructure
8. Moodle
9. E-Cell
10. Recruit Mentor and Retain faculty from diversity background.

B. 2019-20

1. 250 Indexed papers
2. R & D grants at least 1 Cr.
3. Enhancing Brand Image
4. Campus Company Startups
5. Joint Degree Programmes with industries
6. Implementation of OBE to all schools
7. MOOCS
8. CBCS
9. Accreditation of UG Engineering Programmes
10. Smart Classroom.
11. Research Award

C. 2020-21

1. E- Content Developments
2. Top 10 patent file
3. Maximum faculty members to be registered /completed Ph.D.
4. Establishment of Centre of Excellence in AI
5. Establishment of Incubation Centre
6. 3 Industry funded Labs
7. Academic Collaboration with International Universities
8. Industry certified courses
9. 10 Startups
10. Indexed Publications 500
11. NAAC Accreditation
12. 12-B from UGC
13. ATAL rankings

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14. Establishment of Incubation Centre

D. 2021-22

1. Joint Degree with Industry
2. Idea and Innovation Portal
3. Social Internship
4. Amongst top 5 in Patent Filing
5. Peer Teaching
6. R & D grant at least 2 Cr.
7. CTS with foreign universities
8. Use of Open resources
9. Indexed publication 1000
10. Digitization of learning material
11. Visiting faculty from foreign reputed Universities

E. 2022-23

1. At least 10 Patent awarded
2. Amongst top 3 in patent filing
3. Residential Training Centre
4. Accreditation by IEI, FICCI, CII, ABET
5. 5 Industry funded laboratory
6. Minimum 5 Technology Transfer
7. UGC fellowship
8. IEEE world congress
9. Post-Doctoral initiatives
10. Faculty sabbatical
11. Industry Chair

Rama
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