



# Gautam Buddha University

*education enlightened*

## PLACEMENT BROCHURE 2012



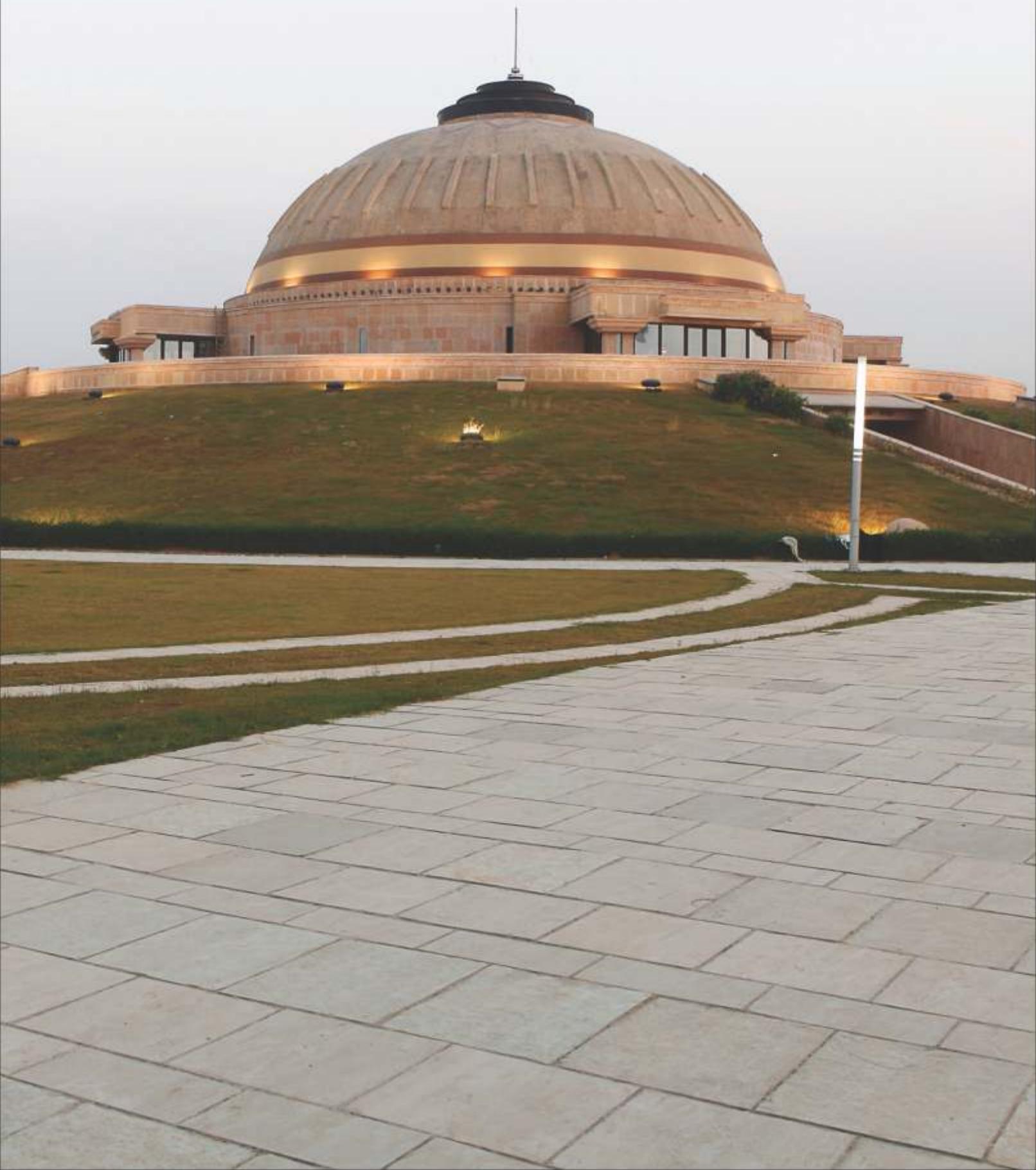
# Vision & Mission

"A globally acclaimed integrated academic and research institution that creates a vibrant community of intellectuals and entrepreneurs endowed with Character, Creativity, Competence and Commitment, who can inspire meaningful transformations to ensure holistic growth and development of the society."

## THE MISSION OF UNIVERSITY IS EXPRESSED THROUGH THE FOLLOWING GOALS

- i) To generate a community of scholars who can manage continuity and change.
- ii) To seek and incorporate the best practices in teaching and learning from around the world.
- iii) To inculcate in the learners due appreciation for ethical, ecological and economic issues of knowledge.
- iv) To provide knowledge based scientific solutions to satisfy the need of society and industry.
- v) To ensure an academic environment that guarantees avenues for all historically excluded sections of the society.







**S. R. Lakha**  
Vice-Chancellor

## From the desk of Vice Chancellor

"The approach of our programmes is secular, egalitarian, and critical, relying on the Buddhist philosophy and its applicability in restoring supremacy of peace, co-existence, and development in totality. With emphasis on the rigorous training and education of our young aspirants, we ensure experiential, experimental and interdisciplinary learning and research in various fields of studies.

Our meticulously designed curriculum and pedagogical training programmes stay focussed on imparting all necessary knowledge required and desired for creating humane and rational society."

**S. R. Lakha**

# About the University

**Gautam Buddha University**, established by the Uttar Pradesh Act (9) of 2002, commenced its first academic session at its 511 acres lush green campus at Greater Noida in August 2008.

The University is fully funded by the New Okhla Industrial Development Authority (NOIDA) and the Greater Noida Industrial Development Authority (GNIDA), the undertakings of the Government of Uttar Pradesh. The University envisions to become a world class centre for excellence in education with a special focus to serve the under privileged and economically challenged sections of the society.

The campus is modeled as a fully residential educational campus in line with the best institutions of higher learning across the globe. The uniqueness of its reputation is acknowledged through the format, content and pedagogy of its programmes and their relevance to the society.

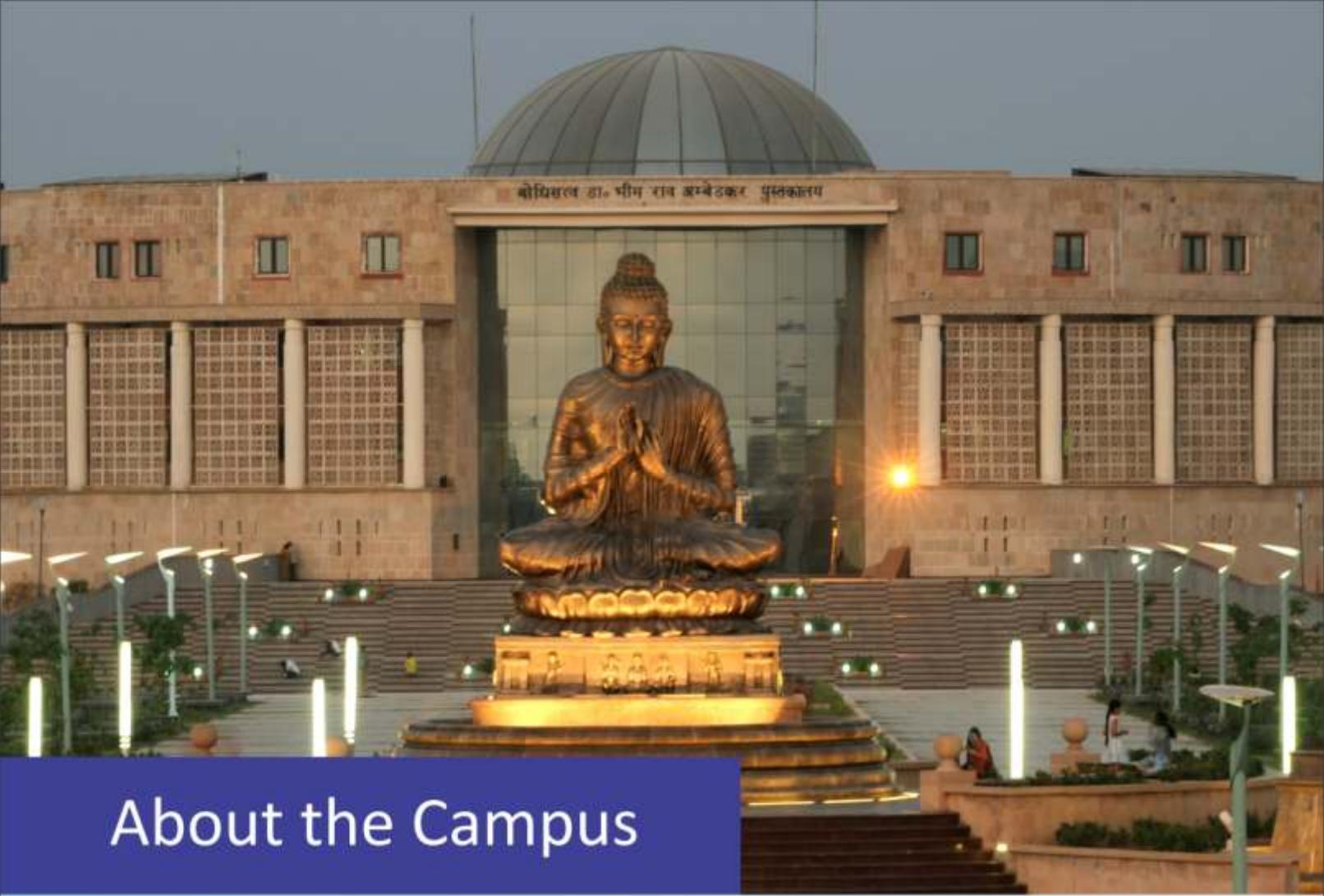
The University is recognized by the University Grants Commission under UGC Act and is a member of the Association of Indian Universities.



In order to promote value-based education, research and training, the University has established eight schools of learning, which are:

- 1. School of Management**
- 2. School of Information & Communication Technology**
- 3. School of Law, Justice & Governance**
- 4. School of Vocational Studies And Applied Sciences**
- 5. School of Biotechnology**
- 6. School of Engineering**
- 7. School of Buddhist Studies & Civilization**
- 8. School of Humanities & Social Sciences**





## About the Campus

Gautam Buddha University has planned and is developing one of the finest campuses that can rival the best in the world. The University campus is an architectural marvel and has in its master plan the following infrastructure facilities, and the construction shall be over in near future:

- A fully residential campus for all Faculty, Staff and Students with world class infrastructure and support facilities,
- Lush green campus spread over 511 acres with 30% green area in which 50,000 trees already planted,
- Total built up campus area 55 lacs sq.ft.,
- Bodhisatva Dr. Bim Rao Ambedkar Library with total built up area 1.8 lacs sq.ft. with 2000 seating capacity for library users at a time,
- In its fully functional state 5000 Students shall be receiving global exposure and training,
- Manywar Kanshi Ram Auditorium with 3000 seating capacity,
- An Administrative Building
- Eight School Buildings,
- Mahatma Jyoti Ba Phule Vipassana Dhyaan Kendra,
- Eklavya Sports Complex with Indoor and Outdoor Stadium, Swimming Pool, and Gymnasium,
- Mahamaya Shanti Sarowar, a water body spread over 1 lac sqft area,
- Panchsheel Avasiya Parisar for Faculty and Staff Members,
- Separate Transit Hostel for 160 Married Research Scholars,



- Hostel with single occupancy for 5000 Post Graduate Students,
  - Savitri Bai Phule Women's Hostel,
  - Rama Bai Ambedkar Women's Hostel,
  - Mahamaya Women's Hostel
  - Shri Chhatrapati Shahaji Maharaj Men's Hostel,
  - Shri Narayan Guru Men's Hostel,
  - Sant Ravi Das Men's Hostel,
  - Sant KabirDas Men's Hostel,
  - Birsa Munda Men's Hostel,
  - Guru Ghasi Das Men's Hostel,
  - Other Hostels are under construction,
- An International Convention Centre,
- An International Centre and Guest House,
- Well-furnished University Guest House,
- Shopping Centre and Utility Centres,
- Faculty and Staff Club, and
- Many other support facilities.

All the Schools and the Centres are in synchrony with the essence of our predominant Buddhist Ethics and Practices in the modern context. All these centres of learning encompass modern fields of studies, high-end technological exposure and a meaningful dissemination of knowledge coupled with practicing wisdom.

**GBU स्कूल ऑफ आई. सी. टी.  
SCHOOL OF I. C. T.**



# School of Information & Communication Technology

The School of Information and Communication Technology (ICT) was established during academic year 2009-10. Since its inception, the school has been progressing towards excellence in the field of technical education and research. The school aims to produce competent professionals having strong sense of social responsibilities and become a hub of research and development activities of international recognition.

The School of ICT established in the year 2009-10 presently offers the following academic programmes:

**3-Year M.Tech. Programme for Science Graduates**

**2-Year M.Tech. Programme for Engineering Graduates**

At M.Tech. level the following specializations are presently offered:

- |  |                                      |
|--|--------------------------------------|
| (i) Software Engineering                 | (iii) Intelligent Systems & Robotics |
| (ii) Wireless Communication and Networks | (iv) VLSI Design                     |

**5-Year Dual Degree B.Tech. + M.Tech./M.B.A. programme**

*Major streams*

- (a) Electronics and Communication Engineering
- (b) Computer Science and Engineering

**Ph.D. programme in frontier areas of ICT**

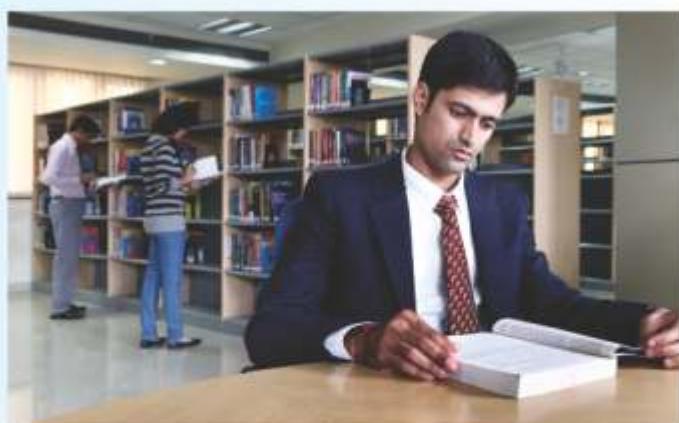


Details of Courses (Session: 2011-12)		Our Strengths:
3-Year M.Tech. (ICT) Programme for Science Graduates		Course curriculum designed as per industry requirement
2-Year M.Tech. (ICT) Programme for Engineering Graduates		Laboratories with latest equipments and softwares
5-Year B.Tech. + M.Tech. /MBA Dual degree Programme for (CSE)		Competent faculty
5-Year B.Tech. + M.Tech. /MBA Dual degree Programme for (ECE)		State of art infrastructure
Part time Ph.D. Programme (off campus)		Research orientation
Full time Ph.D Programme		Industry interface through guest lectures, workshops and conferences.

Lab /Centers /any other support facility development in 2011-2012 (Current)	Laboratories:
Computer programming Laboratory I, II, III (3 labs)	To give practical exposure to the theories in the class has following laboratories equipped with state of art infrastructure.
Basic Electronics Laboratory	Computer Lab I and II equipped with Sun Solaris Operating System
Computer Networking Laboratory	Computer Lab III equipped with Rational Rose Tool Kit & MATLAB
VLSI Design and DSP Laboratory*	Basic Electronics Lab
Artificial Intelligence and Robotics Laboratory	Electronic Circuit Lab / Logic Design Lab
Electronic Circuits & Logic Design Laboratory*	Artificial Intelligence & Robotics Lab
Communication Laboratory*	Wireless Technology Lab
* Under Development	
Conference during 2011-12	Laboratories:
National Conference on Advancements in Communication, Computing & Signal Processing Commune CACCS 2011	Optical Communication Lab
	VLSI Design Lab
	DSP Lab
	Microprocessor & Antenna Lab
	Computer Networking Lab equipped with Latest Routers & Switches

Workshop during 2011-12	Research and Consultancy
Impact of information Technology on Indian Society 22nd March 2011	The consulting areas of faculty are primarily:
Wireless Communication 20th April 2011	Software Engineering
Software Reliability and Testing 2nd-3rd Sep.2011	Communication Networks
Training Programmes during 2011-12	Wireless Networks
IBM- IBM Rational Seed 05th – 08th Oct 2010	VLSI
Software Testing 10th – 13th & 19th -20th Nov 2010	Artificial Intelligence
ANSYS 17th - 18th Feb 2011	Web Technologies
Cadence Design System 21st - 22nd June 2011	Technology Management

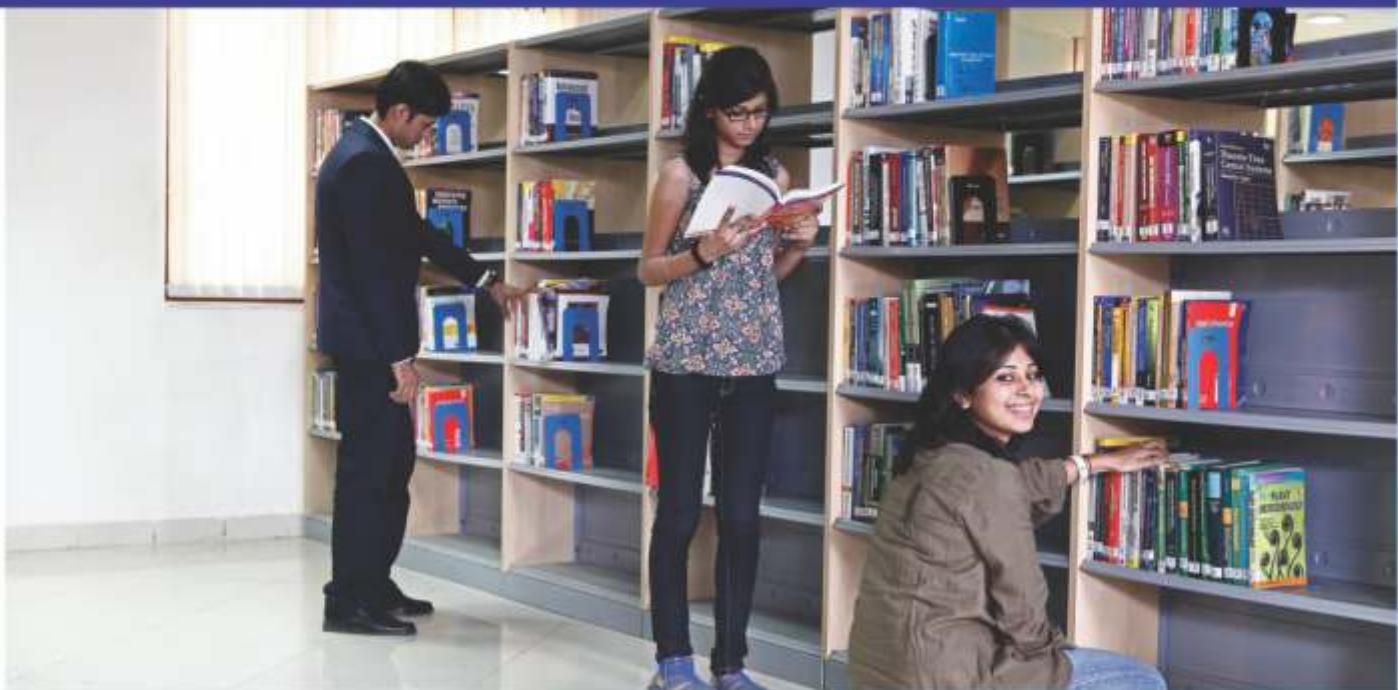
Students of ICT also get exposure to softer dimensions of corporate expectations like teamwork, leadership, winning attitude and entrepreneurship. School of ICT has strong conviction and positive attitude with character, creativity, competence and commitment.



The course curriculum of PG programme comprises of program core courses, departmental electives and interdisciplinary (open) electives. The focus of these courses is to inculcate in our students the necessary skills to help them venture into the competitive arena of information and communication technology.

We are pleased to introduce our final year students of M.Tech.(ICT) with specializations in Wireless Communication & Networks, Software Engineering and VLSI Design. The students have gone through rigorous mentoring process, which has helped them in harnessing their skills in the respective area. This became possible with the help of time to time corporate and industry interactions, workshops, guest lectures and innovative course curriculum which not only meets the current industry requirements but is also designed with proactive approach to meet the future demand.

# Programme Structure of Two Year M. Tech. (ICT) for Engineering Graduates (2010-12)



## SPECIALIZATION: SOFTWARE ENGINEERING

### Semester: I

S.No.	Course	Credits
01	Object-Oriented Programming	3
02	Advanced Computer Architecture	3
03	Technical Communication	2
04	Information Security	3
05	Data Base Management System	3
06	Advanced Computer Networks	3
07	Artificial Intelligence	3
08	General Proficiency	1
09	Object-Oriented Programming Lab	2
10	Advanced Computer Networks Lab	2
<b>Total</b>		<b>25</b>

## SPECIALIZATION: VLSI DESIGN/ WIRELESS

### COMMUNICATION & NETWORKS

### SEMESTER-I (Common For Both Specializations)

S.No.	Course	Credits
<b>THEORY</b>		
01	Digital IC Design	3
02	Advanced Digital Communication System	3
03	Advanced Digital Signal Processing	3
04	Wireless Mobile Communication	3
05	Information Security	3
06	<b>Elective-2 Advanced Computer Network</b>	3
07	Technical Communication	2
<b>PRACTICALS</b>		
08	Advanced Computer Network Lab	
09	Programming Lab	2
10	General Proficiency	1
<b>Total</b>		<b>25</b>

### Elective-2

S.No.	Course
01	Embedded System Design
02	<b>Advanced Computer Network</b>
03	Principle of Artificial Intelligence
04	Wireless Network
05	Computer System Architecture
06	Data Mining

### SPECIALIZATION: SOFTWARE ENGINEERING

SEMESTER-II			Electives ( 2 & 3 )		
S.No.	Course	Credits	S.No.	Course	Credits
01	Simulation & Modeling	4	01	Aspect-Oriented Software Engineering	3
02	Component-Based Software Engineering	3	02	Software Re-Engineering	3
03	Open Source Software Systems	3	03	Software Reusability	3
04	<b>Elective-2- Software Measurement and Estimation</b>	3	04	Web-Based Software Engineering	3
05	<b>Elective-3- Software Re-Engineering</b>	3	05	Software Agents	3
06	Open Source Software Systems Lab	2	06	<b>Software Measurement and Estimation</b>	3
07	Major Project	5			
08	General Proficiency	1			
09	<b>Total</b>	<b>24</b>			

### SPECIALIZATION: VLSI DESIGN

SEMESTER- II			Electives (3 & 4)		
S.No.	Course	Credits	S.No.	Course	Credits
	<b>THEORY</b>		01	VLSI for Wireless Communication	
01	Simulation and Modeling	4	02	Quality of Services in Networks	
02	VLSI Technology	3	03	Multimedia Techniques	
03	Advanced Analog VLSI Design	3	04	Soft Computing	
04	<b>Elective-3 -CMOS VLSI Design</b>	3	05	Wireless System Design	
05	<b>Elective-4 – VLSI Design Techniques</b>	3	06	Open Source Software System	
	<b>PRACTICALS</b>		07	Design of Semiconductor Memories	
06	Design Lab I	2	08	Principles of MEMS Design	
07	Major Project	5	09	Solid State Electronics Devices	
08	General Proficiency	1	10	Integrated Circuit Physical Design	
	<b>Total</b>	<b>24</b>	11	CMOS RF Circuit Design	
			12	<b>CMOS VLSI Design</b>	
			13	<b>VLSI Design Techniques</b>	
			14	Advanced RF Engineering	
			15	Probability and Stochastic Processes	
			16	Advanced Microwave Communication	
			17	Image Processing and Biometrics	
			18	Advanced Communication Networks	

### SPECIALIZATION: WIRELESS COMMUNICATION & NETWORKS

SEMESTER- II		
S.No.	Subject Name	Credits
01	Simulation & Modeling	4
02	Advance Communication Network	3
03	Wireless System Design	3
04	Quality of Services in Networks	3
05	Mobile Computing	3
06	Design Lab-I	2
07	Major Project	5
08	General Proficiency	1
	<b>Total</b>	<b>24</b>

### SPECIALIZATION: SOFTWARE ENGINEERING

SEMESTER-III		
S.No.	Course	Credits
01	Software Testing	3
02	Research Techniques in ICT	3
03	Elective-4 Software Reliability and Fault Tolerant Systems	3
04	Elective-5 Software Maintenance	3
05	Software Testing Lab	2
06	Dissertation Part - I	7
07	General Proficiency	1
<b>Total</b>		<b>22</b>

### Electives ( 4 & 5 )

S.No.	Course	Credits
01	Software Reliability and Fault Tolerant Systems	3
02	Software Quality Assurance and Engineering	3
03	Software Maintenance	3
04	Software Performance	3

### SPECIALIZATION: VLSI DESIGN

SEMESTER – III		
S.No.	Course	Credits
	<b>THEORY</b>	
01	Low Power VLSI Design	3
02	Research Techniques in ICT	3
03	Elective- 5 Micro and Smart System Technology	3
04	Elective- 6 Test and Verification of VLSI Circuits	3
	<b>PRACTICALS</b>	
05	Design Lab II	2
06	Dissertation Part-I	7
07	General Proficiency	1
<b>Total</b>		<b>22</b>

### Electives (5 & 6)

S.No.	Course
01	VLSI ASIC Design
02	Micro and Smart System Technology
03	Advances in VLSI Design
04	Modern Optimization Techniques
05	VLSI-Reliability Engineering
06	Sensor Network
07	Mixed-Signal VLSI Design
08	DSP Integrated Circuits
09	Advanced Digital VLSI Design
10	Test and Verification of VLSI Circuits
11	EM Interference and Capabilities in System Design
12	Algorithm for VLSI Design Automation
13	Smart Antenna System

### SPECIALIZATION: WIRELESS COMMUNICATION & NETWORKS

SEMESTER-III		
S.No.	Subject Name	Credits
01	Security in Wireless Network	3
02	Research Technique in ICT	3
03	Sensor Network	3
04	Multicast Communication	3
	<b>Labs</b>	
05	Computing Lab	2
06	Dissertation Lab-I	7
07	General Proficiency	1
<b>Total</b>		<b>22</b>

### SPECIALIZATION: SOFTWARE ENGINEERING/VLSI DESIGN/ WIRELESS COMMUNICATION & NETWORKS

SEMESTER-IV		
S.No.	Course	Credits
01	Dissertation Part - II	21
02	General Proficiency	1
	<b>Total</b>	<b>22</b>

GRAND TOTAL CREDITS = 93

# Programme Structure of Three Year M.Tech. (ICT) for Science Graduates (2009-12)

## SPECIALIZATION: SOFTWARE ENGINEERING/VLSI DESIGN/NETWORKS & WIRELESS COMMUNICATION

<b>SEMESTER – I</b>			<b>SEMESTER – II</b>		
S.No.	Course	Credits	S.No.	Course	Credits
01	Engineering Mathematics	3	01	Internet Technology	2
02	Basic Electronics	3	02	Data Structures & Algorithms	4
03	Fundamental of Electrical Engineering	3	03	Analog and Digital Communication	4
04	Discrete Structure	4	04	Digital Electronics	2
05	Problem Solving Using Java	4	05	Logic Design	2
06	Technical Communication	2	06	Linear Circuits	2
07	Basic Electronics Lab	2	07	Computer organization	3
08	Problem Solving Using Java Lab	2	08	Data Structures & Algorithms Lab	2
09	General Proficiency	1	09	Logic Design Lab	2
	<b>Total</b>	<b>24</b>		<b>Total</b>	<b>24</b>

<b>SEMESTER – III</b>		
S.No.	Course	Credits
01	Operating System	3
02	Database Management System	4
03	Computer Network	3
04	Software Engineering	3
05	Information Security	3
06	Artificial Intelligence	3
07	Database Management System Lab	2
08	Computer Network Lab	2
09	General Proficiency	1
	<b>Total</b>	<b>24</b>

## SPECIALIZATION: SOFTWARE ENGINEERING

<b>SEMESTER: IV</b>			<b>ELECTIVES (1 &amp; 2)</b>		
S.No.	Course	Credits	S.No.	Course	Credits
01	Open Source Software System	3	01	Component-Based Software Engineering	
02	<b>Elective- 1 Component-Based Software Engineering</b>	3	02	Aspect-Oriented Software Engineering	
03	<b>Elective -2 Software Re-Engineering</b>	3	03	Software Re-Engineering	
04	Software Measurement and Estimation	3	04	Software Reusability	
05	Modeling and Simulation	4	05	Web-Based Software Engineering	
06	Object Oriented Programming with Java	3	06	Software Agents	
07	Major Project	5			
08	Open Source Software System Lab	2			
09	General Proficiency	1			
	<b>Total</b>	<b>27</b>			

## SPECIALIZATION: WIRELESS COMMUNICATION & NETWORKS

<b>SEMESTER IV</b>		
S.No.	Course	Credits
01	Simulation and Modeling	4
02	Advanced Communication Networks	3
03	Wireless System Design	3
04	Mobile Computing	3
05	<b>Elective-3 Quality of Services in Networks</b>	3
06	Advanced Computer Networks	3
	<b>PRACTICALS</b>	
07	Design Lab-I	2
08	Major Project	5
09	General Proficiency	1
	<b>Total</b>	<b>27</b>

## SPECIALIZATION: VLSI DESIGN

<b>SEMESTER- IV</b>		
S.No.	Course	Credits
01	VLSI Technology	3
02	CMOS VLSI Design	3
03	<b>Electives – 3 VLSI Design Techniques</b>	3
04	Modeling and Simulation	4
05	Advance Analog VLSI Design	3
06	<b>Electives – 4 Microprocessor and Interfacing</b>	3
07	Major Project	5
08	VLSI Design Lab	2
09	General Proficiency	1
	<b>Total</b>	<b>27</b>

## SPECIALIZATION: SOFTWARE ENGINEERING

SEMESTER - V		
S.No.	Course	Credits
01	Software Testing	3
02	Research Techniques in ICT	3
03	<b>Electives – 3 Software Reliability and Fault Tolerant Systems</b>	3
04	<b>Electives – 4 Software Maintenance</b>	3
05	Software Testing Lab	2
06	Dissertation Part - I	7
07	General Proficiency	1
	<b>Total</b>	<b>22</b>

### Electives ( 3 & 4 )

S.No.	Course
01	Software Measurement and Estimation
02	<b>Software Reliability and Fault Tolerant Systems</b>
03	Software Quality Assurance and Engineering
04	<b>Software Maintenance</b>
05	Software Performance

## SEMESTER V

S.No.	Course	Credits
01	Security in Wireless Networks	3
02	Research Techniques in ICT	3
03	<b>Elective-5 Sensor Network</b>	3
04	<b>Elective-6 Multicast Communication</b>	3
	<b>PRACTICALS</b>	
05	Design Lab II	2
06	Dissertation Part-I	7
07	General Proficiency	1
	<b>Total</b>	<b>22</b>

## SEMESTER- V

S.No.	Course	Credits
01	Low Power VLSI Design	3
02	Research Techniques in ICT	3
03	<b>Elective- 5 Micro and Smart System Technology</b>	3
04	<b>Elective- 6 Test and Verification of VLSI Circuits</b>	3
	<b>PRACTICALS</b>	
05	Design Lab III	2
06	Dissertation Part-I	7
07	General Proficiency	1
	<b>Total</b>	<b>22</b>

## SPECIALIZATION: WIRELESS COMMUNICATION, NETWORKS & VLSI DESIGN

### ELECTIVE (3 & 4)

S.No.	Courses
01	VLSI for Wireless Communication
02	<b>Quality of Services in Networks</b>
03	Multimedia Techniques
04	Soft Computing
05	Wireless System Design
06	Open Source Software System
07	Design of Semiconductor Memories
08	Principles of MEMS Design
09	Solid State Electronics Devices
10	Integrated Circuit Physical Design
11	CMOS RF Circuit Design
12	CMOS VLSI Design
13	<b>VLSI Design Techniques</b>
14	Advanced RF Engineering
15	Probability and Stochastic Processes
16	Advanced Microwave Communication
17	Image Processing and Biometrics
18	Advanced Communication Networks
19	Quality of Services in Networks
20	VLSI Technology
21	Networking Protocols
22	Mobile Computing
23	Ad-hoc Wireless Networks
24	Open Source Software System
25	<b>Microprocessor and Interfacing</b>

### ELECTIVES (5 & 6)

S.No.	Courses
01	VLSI ASIC Design
02	<b>Micro and Smart System Technology</b>
03	Advances in VLSI Design
04	Modern Optimization Techniques
05	VLSI-Reliability Engineering
06	<b>Sensor Network</b>
07	Mixed-Signal VLSI Design
08	DSP Integrated Circuits
09	Advanced Digital VLSI Design
10	<b>Test and Verification of VLSI Circuits</b>
11	EM Interference and Capabilities in System Design
12	Algorithm for VLSI Design Automation
13	Smart Antenna System
14	Network Reliability
15	Smart Antenna Systems
16	Broadband Wireless Networks
17	Network Programming
18	<b>Multicast Communication</b>

## SPECIALIZATION: SOFTWARE ENGINEERING/WIRELESS COMMUNICATION & NETWORKS/VLSI DESIGN

## SEMESTER-VI

S.No.	Courses	Credits
01	Dissertation Part-II	21
02	General Proficiency	1
	<b>Total</b>	<b>22</b>

**Total Credits-143**

## Ph. D. PROGRAMME

Research being much emphasized at GBU and the prime area of academic concern in the university, the School of ICT patronizes attempts to provide new frameworks which enable reassessment and refinement of current practices and theories in the field of Information and Communication Technology. The faculty members of the School are committed to supervise the research work in order to enrich the existing research in the discipline. The major research areas include intelligent systems, search engines, web technology, wireless networks, computer communication, network reliability, face recognition, pattern recognition, fuzzy theory, robotics and software engineering.

# Faculty



**Dr. Ela Kumar**

Dean In-Charge

**Dr. Ela Kumar**, Associate Professor & Dean

Ph.D., M.Tech.(CST), B.E.(ECE)

**Teaching Area:** Artificial Intelligence, Knowledge Based System Design, Natural Language Processing, Internet Technologies.

**Research Area:** Expert System Development, Anaphora Resolution, Search Engine Optimization and Knowledge Based System Design.

Ela\_kumar@gbu.ac.in

**Dr. Rajesh Mishra**, Assistant Professor

Ph.D., M.Tech.(Reliability Engineering), B.E.(Electronics Engineering)

**Teaching Area:** Computer Networks, Wireless Communication

**Research Area:** Network Reliability, Sensor Networks

rmishra@gbu.ac.in

**Dr. Vidushi Sharma**, Assistant Professor

Ph.D., M.Sc.(Computer Science), PGDM

**Teaching Area:** Research Techniques, Computer Network, Reengineering

**Research Area:** Performance Analysis of Information System, Information Technology

vidushi@gbu.ac.in

**Dr. Abdul Wahid**, Assistant Professor

Ph.D., M.Tech.(CS), MCA

**Teaching Area:** Computer Organization, Computer Architecture, Compiler Design, Automation Theory

**Research Area:** Web Software Engineering, Software Reliability

wahid@gbu.ac.in

**Dr. Om Prakash Sangwan**, Assistant Professor

Ph.D., M.Tech.(CSE), M.Sc.(Computer Science)

**Teaching Area:** Software Engineering, Computer Networks, Operating System, Artificial Intelligence and Soft Computing Techniques

**Research Area:** Software Engineering, Soft Computing Techniques

opsangwan@gbu.ac.in

**Dr. Anurag Singh Baghel**, Assistant Professor

D.Phil., M.Tech.(Electronics), M.Sc.

**Teaching Area:** Soft Computing, Image Processing, Embedded Systems, Digital Systems, Computer Architecture

**Research Area:** Evolutionary Algorithms, Artificial Neural Networks, Optimization Techniques, ASIC Design, and Microprocessors

asb@gbu.ac.in

**Dr. Gurjot Kaur**, Assistant Professor

Ph.D., M.E.(Electronics), B.E.(ECE)

**Teaching Area:** Wireless and Optical Communication, Analog and Digital Communication, Semiconductor Devices

**Research Area:** Optical CDMA, Optical Networks, Optical System Design, Modeling and Simulation

gurjot@gbu.ac.in

**Dr. Neeta Singh**, Assistant Professor

Ph.D., MCM, B.Sc.(Maths)

**Teaching Area:** Cellular Mobile Communication, Wireless Telecom Networks

**Research Area:** Wireless Communication Networks, Mobile Computing

neeta@gbu.ac.in

**Dr. Karan Singh**, Assistant Professor

Ph.D., M.Tech.(CSE), B.Tech.(CSE)

**Teaching Area:** Computer Networks, Information Security, Computer Forensics,

**Research Area:** Network Security, Computer Network

karan@gbu.ac.in

**Dr. Pradeep Tomar**, Assistant Professor

Ph.D., MCA, B.Sc.

**Teaching Area:** Software Engineering, Advanced Java, Open Source Software System

**Research Area:** Component-Based Software Engineering

pradeep.tomar@gbu.ac.in

**Dr. Kapil Sharma**, Assistant Professor

Ph.D., M.Tech.(IT), B.E.(CSE)

**Teaching Area:** Data Structure, Algorithms, Soft Computing, Software Engineering

**Research Area:** High Performance Computing, Software Reliability

kapil@gbu.ac.in

**Mr. Mohd. Ashraf Saifi**, Research / Faculty Associate

Ph.D. (Pursuing), M.Tech.(CSE), B.Tech.(CSE)

**Teaching Area:** DBMS, Data Structure, Design and Analysis of Algorithm, Computer Theory of Automata.

**Research Area:** Computer Communication, Network Reliability, Face Recognition

ashraf@gbu.ac.in



**Mr. Arun Solanki**, Research / Faculty Associate  
Ph.D.(Pursuing), M.Tech.(Computer Science), M.Sc.  
**Teaching Area:** DBMS, Operating System  
**Research Area:** Intelligent System and Search Engine  
asolanki@gbu.ac.in

**Ms. Sandhya Tarar**, Research / Faculty Associate  
Ph.D.( Pursuing), M.Tech.(Computer Science) B.Tech.(Computer Science)  
**Teaching Area:** Pattern Recognition Software Testing, Software Reliability and Fault Tolerant System, Software Quality Assurance, Software Engineering.  
**Research Area:** Pattern Recognition, Biometrics, Fuzzy Theory, Software Engineering.  
sandhya@gbu.ac.in

**Mr. Navaid Zafar Rizvi**, Research/Faculty Associate  
Ph.D. (Pursuing), M.S.(ICE), M.S. (Microsystems Engineering), B.E.(EEE)  
**Teaching Area:** MEMS Design, Microwave, VLSI Design, High Frequency Engineering  
**Research Area:** MEMS Design, Reliability Engineering, VLSI Design  
navaid@gbu.ac.in

**Mr. Sandeep Sharma**, Research /Faculty Associate  
Ph.D. (Pursuing), M.Tech.(Digital Communication), B.Tech.(ECE)  
**Teaching Area:** Basic Electronics, Digital Electronics, Analog Communication, Digital Communication, Data Communication, Microprocessors and Embedded System.  
**Research Area:** Wireless Networks, Embedded System, Digital Communication.  
sandeepsharma@gbu.ac.in

**Ms. Manisha Manjul**, Research /Faculty Associate  
Ph.D. (Pursuing), M.Tech.(CSE), B.Tech.(CSE)  
**Teaching Area:** Computer Network, OOPS, Computer Programming  
**Research Area:** Computer Network, Congestion Control.  
manisham@gbu.ac.in

**Mr. Vimlesh Kumar**, Research /Faculty Associate  
M.Tech (ICT), B.Tech (ECE)  
**Teaching Area:** Signals and Systems, Digital Signal Processing, Advanced Communication Networks, Quality of Services.  
**Research Area:** Intelligent Systems.  
vimlesh@gbu.ac.in

**Mr. Navneet Singh**, Research /Faculty Associate  
M.Tech(ECE), B.Tech.(EC)  
**Teaching Area:** Communication, analog and digital electronics  
navneet@gbu.ac.in

**Ms. Aarti Gautam Dinker**, Research /Faculty Associate  
M.S. (Cyber Law & Information Security), B.Tech.(EC)  
**Teaching Area:** Computer Programming, Software Engineering, Information Security  
aarti@gbu.ac.in

**Mr. Rajendra Bahadur Singh**, Research /Faculty Associate  
M.Tech.(ECE), B.Tech.(ECE)  
**Teaching Area:** VLSI Design, Analog and Digital Electronics, Basic Electronics  
rajendra@gbu.ac.in

**Ms. M. Kodeeswari**, Research /Faculty Associate  
M.E.(Embedded Systems), B.E.(E&I)  
**Teaching Area:** Electronics devices & circuits, Electronic design automation, linear IC applications, VLSI design techniques, VLSI Architecture  
mkodeeswari@gbu.ac.in  
kodeenisha@gmail.com

**Ms. Priyanka Goyal**, Research /Faculty Associate  
M.Tech (ECE), B.Tech.(ECE)  
**Teaching Area:** VLSI design, Semiconductors electronics & Communication Engineering.  
Pri\_2288@yahoo.co.in

# International Collaborations and Study Abroad Programme



To become a global centre for excellence, the University is in the process of formalizing tie ups and mutual accreditations with many universities in UK, France, Finland, Netherlands, Australia, Denmark and USA. To take the initiative of the University further, the government of Uttar Pradesh has introduced special scholarships for students of SC/ST and other economically challenged students across all classes of the society for studying one semester at a university abroad.

In this regard the University has signed MoUs with the Queensland University of Technology, Brisbane, Australia, the International Business Academy, Kolding Denmark, Manchester Metropolitan University, UK, and Sheffield Hallam University, UK. In the session 2009-10, 15 students of MBA, School of Management of SC/ST category and BPL candidates of other categories went to Denmark to attend Summer School Programme at the **International Business Academy, Kolding, Denmark** to study "The European Management Perspective".

In the next session 2010-2011, 15 students from SC/ST category and BPL category of MBA, School of Management and M.Tech., School of Information and Communication Technology went to **Sheffield Hallam University, UK** to attend one Semester Abroad Programme. In the current session 2011-12, 31 students went to **Sheffield Hallam University, UK** from three different streams: Management, Information and Communication Technology and Biotechnology.



## MoU with Scottish Qualifications Authority (SQA), Glasgow, Scotland

As an initiative to strengthen deliverability of the centre we have signed an MoU with Scottish Qualifications Authority on 08 November 2011. SQA develops, assesses and awards qualifications taken in workplaces, colleges and schools. SQA's Professional Development Awards (PDAs) are designed to develop and deliver high level skills in a sharp, flexible and focused way. They are ideal for developing the skills of young people, graduates, and other adult learners. They are ideal for Continuing Professional Development (CPD) so employers can use them to enhance the skills of their employees. Out of all the modules for continuing Professional Development (CPD) the major areas of Mutual Interest between SQA and GBU are:

- English Language Qualifications
- Soft skills and Professional Development Programmes
- Training Programmes for Working Professional (MDPs)
- Public Relations and Advertising
- Communication and Media
- Leadership
- Managing Self and Others
- Office Administration
- Office Management and Information Technology
- Organisational Ethics and Decision Making

In addition to these outlined areas we are in the process to start various MDPs, FDPs, and CPDs in the above mentioned areas.





## Bodhisattva Dr. B. R. Ambedkar Library

Bodhisattva Dr. B. R. Ambedkar Library is the soul of academic and research activities of the Gautam Buddha University. The library is fully automated and functional with the RFID system in place. With a huge volumes of books and e-journals which cover the disciplines of Management, Computer Science, Information Technology, Biotechnology, Humanities & Social Sciences, Law & Governance, Buddhist Studies and other related areas. The library is well equipped with modern facilities, spacious stack halls, 2000 seating capacity reading hall, reference sections, catalogue area, and multiple loaning counters.

The library aims to "provide high quality services in support of the teaching and research objectives of the University communities". A development report is given as under:





Description	Available Year 2011-2012	In Process Year 2012-2013
Books	25000	40000
Print:		
-Magazines	30	150
-Journals	60	300
E-Journals	25,700	35000
CD/DVD	7000	10000
E-Books	150	5000
News Paper	15	12
Computer (PC)	60	100
Patent/Standards	25	100
Lecture Notes (Springer)	60	4000
E-Resources	Oxford University Press, Emerald, IEEE, ACM, ASCE, Nature, Prowess, EIS, EBSCO, Springer, JSTOR, Science Direct,	Proquest, ASME, Science Direct, Taylor and Francis, GISTFIND, ASME
Cases (ECCH Management Cases)	20000	2000
Delnet (Developing Library Network) (Inter Library Loan)	1900 Libraries network including 10 International Libraries (We can access the 1900 libraries Reading material)	IIT Madras, IIM Lucknow, IIT Kozhikode, IIT Kanpur, IIT Roorkee, MIT salon, IIT Khargpur, Nepal, Shrilanka, Bangladesh
Encyclopedia	20	20
Handbooks	220	500
Atlas	16	35
Conference/ Workshop	Nil	02
Touch Screen Computer	02	05
Books Exhibition	08	10
CCTV Camera	05	160

# Corporate Relations Cell

The Corporate Relations Cell (CRC) at GBU is the face of the University to the Corporate/Industry. It facilitates the process of close Industry University interactions and actively promotes new avenues in experiential learning. The CRC endeavors to bridge the gap between academia and corporate world. It engages leaders, entrepreneurs, executives, and policy makers to address students to facilitate practical learning. It helps students in finding appropriate summer projects and final placements. The Centre involves students strategically for various events, summer and final placements. A good placement is synergically linked with quality education. Conscious of this linkage, it facilitates a purposeful link between the budding technocrats and entrepreneurs and their prospective employers.

We have pleasure in announcing that we have been able to garner massive support and patronage of industries and corporate world in terms of final placement of our second batch of MBA students and first batch of M.Tech.(ICT) students. Following is the list of companies which have visited for campus recruitments.

S.No.	Company	Company
01	Manya Education Pvt. Ltd.	35 R Systems International Ltd.
02	Axis Bank	36 Local India
03	Invest Care Pvt. Ltd.	37 Value First Messaging Pvt. Ltd
04	R2 Diagnostics	38 CRS Technologies
05	Net Ambit	39 All Check Deals
06	HDFC Bank	40 Career Launcher India Ltd
07	Wazir Advisor	41 Lilliput kidwears Pvt. Ltd.
08	HCL Comet Ltd	42 Elite Stock Management Ltd.
09	NIIT Ltd	43 Boom Mercom Services Pvt. Ltd.
10	Honda Siel Cars India Ltd	44 Leeway Hertz
11	International Recreation Park (GIP)	45 Edelweiss
12	Infoedge(Naukri.com)	46 Motherson Sumi Infotech (MIND)
13	Innodata Isogen	47 Focus Energy Ltd.
14	Inventum Technologies	48 Religare Enterprises Limited
15	Jasper Capital Pvt.Ltd.	49 Om Logistics Pvt. Ltd.
16	Future Generali India Life Insurance	50 Mahagun India Ltd.
17	S & S Consulting Associates	51 India Infoline
18	Consummate Technology	52 IndiaMART InterMESH Ltd.
19	Investor Clinic	53 Aditya Birla Retail Limited
20	LB Associate Pvt Ltd.	54 Okaya Infocom Pvt. Ltd.
21	Trade India .com	55 Property Guru Pvt. Ltd.
22	Corbus	56 Unicon Investments
23	Aqua Treat Engineering Pvt. Ltd.	57 Bhaskar Power Ltd.
24	Dish TV	58 Vin Industries
25	Onicra Credit Rating Agency of India Ltd.	59 Qtriangle Infotech
26	Kirlosker Brother	60 Buniyad Real Estate Services
27	Unyscape Infocom Pvt. Ltd.	61 Suzal Aqua Mineris Pvt. Ltd.
28	Bling Telecom Pvt. Ltd.	62 Signature Staff Pvt. Ltd.
29	Moser Baer India Ltd.	63 HCL Infosystem
30	I Energizer	64 Axis Bank
31	TCS(Third Party)	65 Indusind Bank
32	CRISIL	66 Religare Technologies Ltd.
33	JK Technosoft	67 Nogle Technologies Pvt. Ltd.
34	Syscom	68 Aricent Technologies



The following is the list of companies in which MBA students (Batch2010-12) completed their summer internship

S.No.	Company		Company
01	Axis Bank	21	International Recreation Parks Pvt. Ltd.
02	Bajaj Capital Ltd.	22	ITC Ltd.
03	Baxil Pharmaceuticals Pvt. Ltd	23	Jakson Engineers Limited
04	Bharat Heavy Electric Company	24	Karvy Stock Broking Limited
05	Bharat Petroleum Corporation LTD	25	Kotak Mahindra Bank
06	BHEL	26	LG Electronics India Pvt Ltd
07	Bhushan Steel Ltd.	27	Lucknow Producer's Co-operative Milk Union Ltd.
08	Celebi Delhi Cargo	28	Metzeler Automotive Profile System
09	Central Warehousing Corporation	29	MIRC Electronics Ltd
10	CMS	30	Moser Baer India Ltd.
11	Dabur India Ltd.	31	Noesis Strategic consulting Services Pvt. Ltd.
12	Denso India Ltd.	32	r2 Diagnostic
13	Eicher Goodearth Pvt. Ltd.	33	Reliance Fresh
14	Escorts Agri Machinery Group	34	Sahi Exports Pvt. Ltd.
15	Future Group	35	Schenck's Industrial Products and Services
16	GAIL (India) Ltd.	36	Spice World
17	Geojit BNP Paribas Financial Services Ltd.	37	SRF Ltd.
18	Hindustan Coca-Cola Beverages Pvt. Ltd	38	Steel Authority of India Ltd
19	India Yamaha Motor Pvt. Ltd.	39	Tata-AIG Life Insurance Ltd.
20	Indian Oil Corp. Ltd.	40	Wizard Info Solutions Pvt. Ltd.



#### **Central Computer Centre**

The Central Computer Centre (CCC) helps in initiating, controlling and regulating the IT support services at university level. The centre envisions executing activities to meet its objective, which are Development of State-of-art Data Centre, In-house hosting of different IT application & servers, Complete WI-FI coverage in the campus, Internet bandwidth 100 Mbps to each school & 1 GBPS at CCC, Development of higher end video conferencing system, 500 computers with high speed internet connectivity available 24x7 for students, Imparting training on latest IT Software & Technology to the Faculty members as well as staff of Gautam Buddha University, Providing consultancy to nearby industries.

#### **Mahatma Jyotiba Phule Meditation Centre**

Mahatma Jyotiba Phule Meditation Centre, inspired by stupa architecture is a learning and retreat centre to give an experience of the power of peace and inner silence. The centre is looking forward to organize seminars, lectures and experiential workshops in meditation, positive values, stress free living and self management. It aims to help the residents at campus in recognizing their own inherent qualities and recollect their inner most potential. The meditation centre facilitates the experience of the inner self through silence. On 13 October 2011 a Discourse and Meditation is being conducted by School of Buddhist Studies and Civilization in coordination with School of Social Sciences and Humanities for all University students to orient them towards essence of Buddhist Ethics and Practices under the supervision and

guidance of Sh. DLN Shastri and Ms. Pallavi Deshmukh Bommareddy.

#### **International Convention Centre**

The international convention centre of the university, which shall be functional in the next academic session (2012-13), aspires to become a true global platform for intellectual exchanges. The centre is looking forward to host a number of programmes, activities, and engagements. An impeccable infrastructure keeps it ahead of the best available in the class.

#### **Manyawar Shri Kanshi Ram Central Auditorium**

Apart from four auditoria in alternative sequence in the eight Schools of learning, the University will be completing the construction of a central auditorium at its campus with the capacity of 3000 seats at a time in the next academic session (2012-13). The state-of-the-art auditorium shall be equipped with all kind of advanced audio-video systems. The auditorium will be facilitating the academic as well as extracurricular activities at the University campus.

#### **International Centre and Guest House**

The centrally air conditioned building has state of the art convention centre conference halls, committee rooms, more than 40 suits and a huge central hall. In addition to International Centre and Guest House, the University Guest House situated adjacent to the building houses 100 well furnished rooms with huge open area and a lush green lawn at the centre of the building.

## **Students' Accommodation and Hostel Facilities**

The University is a fully residential campus, which has separate hostel accommodations for boys and girls with 5000 single seated hostel rooms and complete wi-fi premises. There are three women's hostels named as Savitri Bai Phule Women's Hostel, Rama Bai Ambedkar Women's Hostel, an Mahamaya Women's Hostel and six men's hostels named as Shri Chhatrapati Shahaji Maharaj Men's Hostel, Shri Narayan Guru Men's Hostel, Sant Ravi Das Men's Hostel, Sant KabirDas Men's Hostel, Birsa Munda Men's Hostel, Guru Ghasi Das Men's Hostel. These hostel complexes have state of the art facilities. To enable the students to spend quality time in the University each hostel is equipped with a common room, T.V. Room, Table Tennis Room , Reading Room , Internet Room , Indoor Games Room , Gymnasium , Badminton Courts and Basketball Court. Each room in the hostel is provided with an internet connection. In addition to this each hostel houses a medical room and a visiting room. All the hostels are supported by the solar system which helps in the supply of hot water in winters.

## **Sports Activities**

The university promotes multi dimensional growth with emphasis on an integrated physical and intellectual training. The Eklavya Sports Complex spread over 58 acres with indoor and outdoor stadium of global standards, equipped with state-of-the art sports facilities is getting ready in this academic session to shape health and sports aspirations of the students. It has an Olympic size swimming pool with an additional practice track and a world class gymnasium.

## **Cultural Activities**

Culture is the widening of mind and spirits, which is well displayed by the students of Gautam Buddha University. The beauty of every culture is enhanced by the minds that practice it. GBU's annual cultural event Abhivyanjana intends to add wings to intellect, imagery, and creativity of our students. It aims at dissolving the cultural demarcations and facilitating a new school of thought where every student thinks beyond boundaries but still grounded to his values. It

also gives a platform to the budding managers and compels them to think out of the box. The University Cultural Council is very vibrant and patronizes a number of activity clubs and provides students with perfect platforms for their creative expressions. Activity based descriptions of such clubs are given as under.

### ***Dishāyan, the Dramatics Club***

*Dishāyan*, the dramatics club is the largest of all university clubs in terms of the number of members it has. The aim of *Dishāyan* is to provide the students a forum for the expression of their talent of acting and also to sensitize them on social issues through the selection of such plays for enactment that draw our attention to the ills that plague our society.

### ***Pradarsh, the Audio-Visual Educational Club***

*Pradarsh*, the Audio-Visual Educational Club has introduced a series of screenings of both documentary as well as feature films, to expose the students to World Cinema, and through it familiarize them to the cultures and sensibilities of different nations and help them get rid of stereotypes, misconceptions, prejudices and biases.

### ***Swarānjali, the Music & Dance Club***

The Music and Dance Club of GBU strives to bring together these diverse cultures and traditions from all over the globe under one roof through the sacred expressions of music and dance.

### ***Drishtikon, the Debating Club***

Debating Society "Drishtikon" was introduced on 27th August 2010 to provide a platform to the students, to share their views on the current issues which are of concern to the society. The endeavor is to develop the analytical views and opinions about these issues and to holistically develop the students persona and awareness towards the society. The ultimate aim is to contribute towards the social, moral and ethical development of individuals so that they can contribute to the society as a better human being.





### **Pratibimb, the Photography Club**

The photography club "Pratibimb" of Gautam Buddha University is a platform for student both professional and amateur to improve their photography skills, provide a well-connected peer network, promote experimentation and generally socialize with fellow photographers. Photography is a unique and creative medium of self-expression. It is an art form requiring aesthetic sense as well as technical expertise.

### **The Adventure Club**

GBU Adventure Club at Gautam Buddha University has been formulated in June 2011. It is inspired by the ideas of our Hon'ble Vice Chancellor. It is the forum for adventure enthusiasts, trekkers, climbers and armchair mountaineers in the student community as well as faculty / staff members. The stock activities are trekking, rock climbing and mountain cycling. Club will also organize skiing and river rafting sporadically..

### **The Painting Club**

The club has plans to invite an eminent American painter Siona Benjamin to the University to conduct a workshop with the students and to also exhibit her paintings in December 2011. She will be hosted for a couple of days by the University.

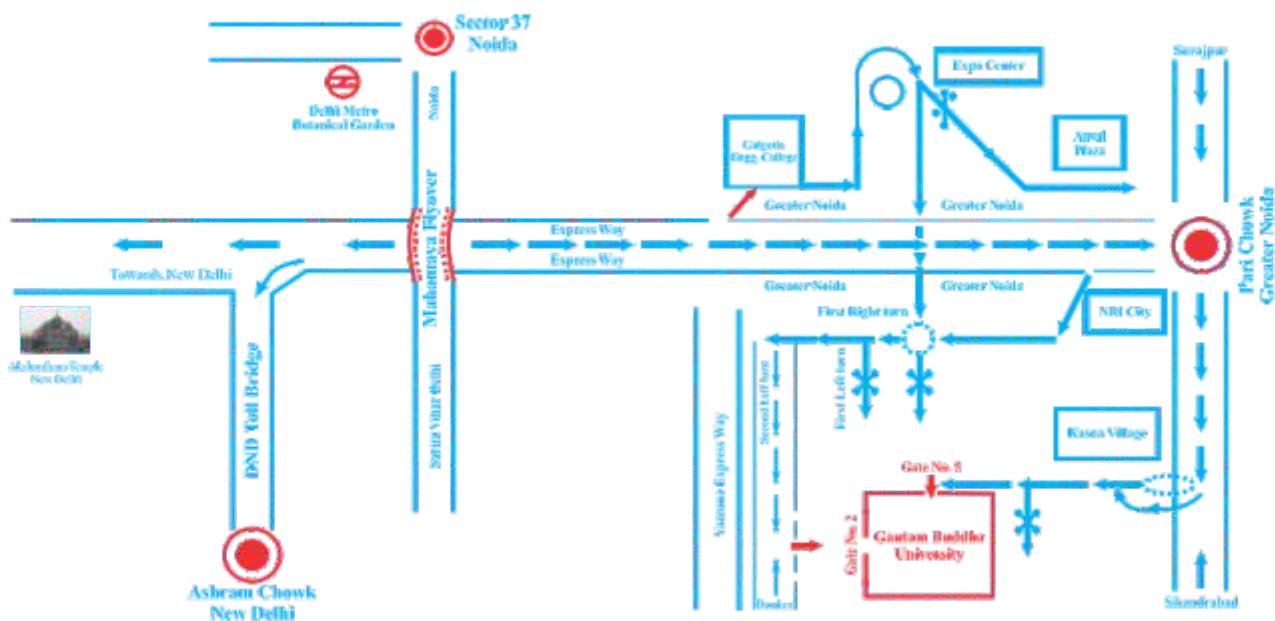
### **An Environment Friendly Clean and Green Campus**

Global warming is a global issue that requires global response. The University campus is an architectural marvel. The programmes offered are all residential programmes. A fully residential campus has world class infrastructure and support facilities. With emphasis on environment and ecological equilibrium, the University is developing a lush green campus spread over 511 acres with approximately 127 acres of green area in which more than 50,000 trees are already planted. As it is believed, trees are of continued importance to the environment for their emotive power and their importance to other forms of life, the horticulture plan and plantation drive attribute mainly to the following ecological aspects:

- Soil Erosion,
- Wind Filtration,
- Temperature Control,
- Green Atmosphere, and
- Retention of Water Level

The external fencing of the University is marked with hundreds of Bodhi Trees that bear immense significance in Buddhist Civilization and harmony. The Bodhi Tree strip runs on the entire circumference of the external campus fencing, parallel to the green belt with all kinds of flora and vegetation. Apart from these green strips, a beautiful and rich green landscaping is coming along with buildings, walking track, huge lawns, and water bodies.

# How to reach here



In case of any query please contact

Manager, Corporate Relations  
Gautam Buddha University  
Yamuna Expressway, Greater Noida(UP)

P: +91-120 2344209/327

M: +91-9717195787 / 9811796525

F: +91-120 2344205/215

E-mail: [crc@gbu.ac.in](mailto:crc@gbu.ac.in), [vinay.litorla@gbu.ac.in](mailto:vinay.litorla@gbu.ac.in), [richa@gbu.ac.in](mailto:richa@gbu.ac.in)  
[www.gbu.ac.in](http://www.gbu.ac.in)



## Gautam Buddha University

Yamuna Expressway, Greater Noida-201310

Phone: +91-120-2344209/327/200

Fax: +91-120-2344205/215

Website: [www.gbu.ac.in](http://www.gbu.ac.in)

