



GAUTAM BUDDHA UNIVERSITY

Established by the Uttar Pradesh Gautam Buddha University Act 2002, UP Act No. 9 of 2002

Annual Report 2014-15







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From the Desk of the Vice Chancellor



It gives me immense pleasure to present Annual Report 2014-15. The year gone by has crossed many milestones and witnessed a number of achievements by the University in its journey towards excellence. There have been challenges, but our unending quest for perfection has turned them into learning experiences and opportunities.

The present report encompasses important developments and academic accomplishments of the University during the academic session 2014-15. The information presented in this report is not claimed to be exhaustive, however, efforts have been made to make it as inclusive as possible by incorporating major developments and accomplishments by the University. The availability of limited space plays restriction on including entire list of developments and accomplishments. All other information not featuring in this report by no means are of any less importance and deserve equal attention.

It is our collective pledge that we shall continue to march on towards achieving our objectives and goals as enshrined in the Vision and Mission of the University.

Dr. J. P. Sharma



About the Annual Report 2014-15

Gautam Buddha University Annual Report 2015 is an attempt to present initiatives, developments, accomplishments, and accolades, the University has earned during the year 2014-015. The report is divided in seven chapters as per the following details:

- | | |
|------------|---|
| Chapter-01 | The first chapter gives a background context and overall introduction of the University. |
| Chapter-02 | The second chapter gives a brief description about important highlights of the academic achievements during the year 2014-15. |
| Chapter-03 | The third chapter includes a brief description and development of infrastructure and central support facilities. |
| Chapter-04 | The fourth chapter gives brief information about central academic support instrumental in the smooth functioning of the University. |
| Chapter-05 | The fifth chapter outlines major academic developments in Schools of Studies. |
| Chapter-06 | The sixth chapter presents a brief description of Cultural, Sports, and other Extra Curricular activities of students during 2014-15. |
| Chapter-07 | The seventh chapter presents a brief note on finances of the University during the financial year 2014-15. |

We sincerely apologize for any error that may have crept in while documenting the facts. We accept them unconditionally as our learning experience.

Chapter-01

Prelude

1.1 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.

1.2 Vision

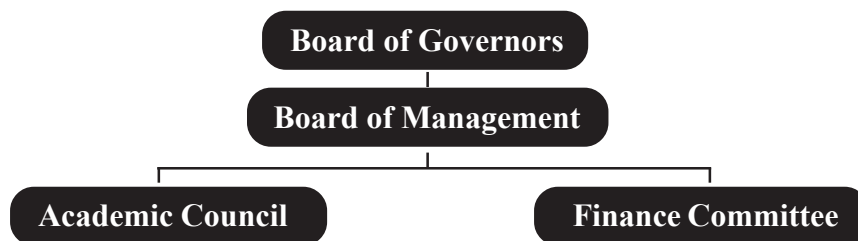
“A globally acclaimed integrated academic and research institution that creates a vibrant community of intellectuals and entrepreneurs endowed with Character, Creativity, Competence and Commitment, who can inspire meaningful transformations to ensure holistic growth and development of the society.”

1.3 Mission

The Mission of University is expressed through the following goals;

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

1.4 Gautam Buddha University Governing Bodies



Board of Governors

1. Chief Secretary Govt. of Uttar Pradesh	Chairman	5. Prof. D.V. Singh Former Vice Chancellor- Roorkee University, Roorkee	Member
2. Dr. J. P. Sharma, Vice-Chancellor, Gautam Buddha University,	Member-Secretary	6. Secretary, Industrial Development Department Govt. of Uttar Pradesh	Member
3. Prof. Aroky Samy Former Member-UPSC Former Professor IIT, Delhi	Member	7. AICTE Nominee	Member
4. Prof. Rakesh Chandra Katiyar Institute of Business Management C.S.J.M. University, Kanpur UP-208024	Member	8. UGC Nominee	Member

Board of Management

1. Dr. J. P. Sharma, Vice-Chancellor, Gautam Buddha University	Chairman	6. All Coordinating Deans	Member
2. Prof. Renu Bapna AICTE Nominee	Member	7. All Deans, Schools of Studies	Member
3. Prof. D.R. Bhaskar Dept. Electronics and Communication, Jamia Milia Islamia, Delhi	Member	8. Secretary Industrial Development Department Govt. of Uttar Pradesh	Member
4. Prof. Onkar Singh Vice-Chancellor Madan Mohan Malviya University of Technology, Gorakhpur	Member	9. Registrar Gautam Buddha University	Secretary
5. Prof. A.K. Khare Former Pro. Vice Chancellor U.P.T.U., Lucknow	Member		

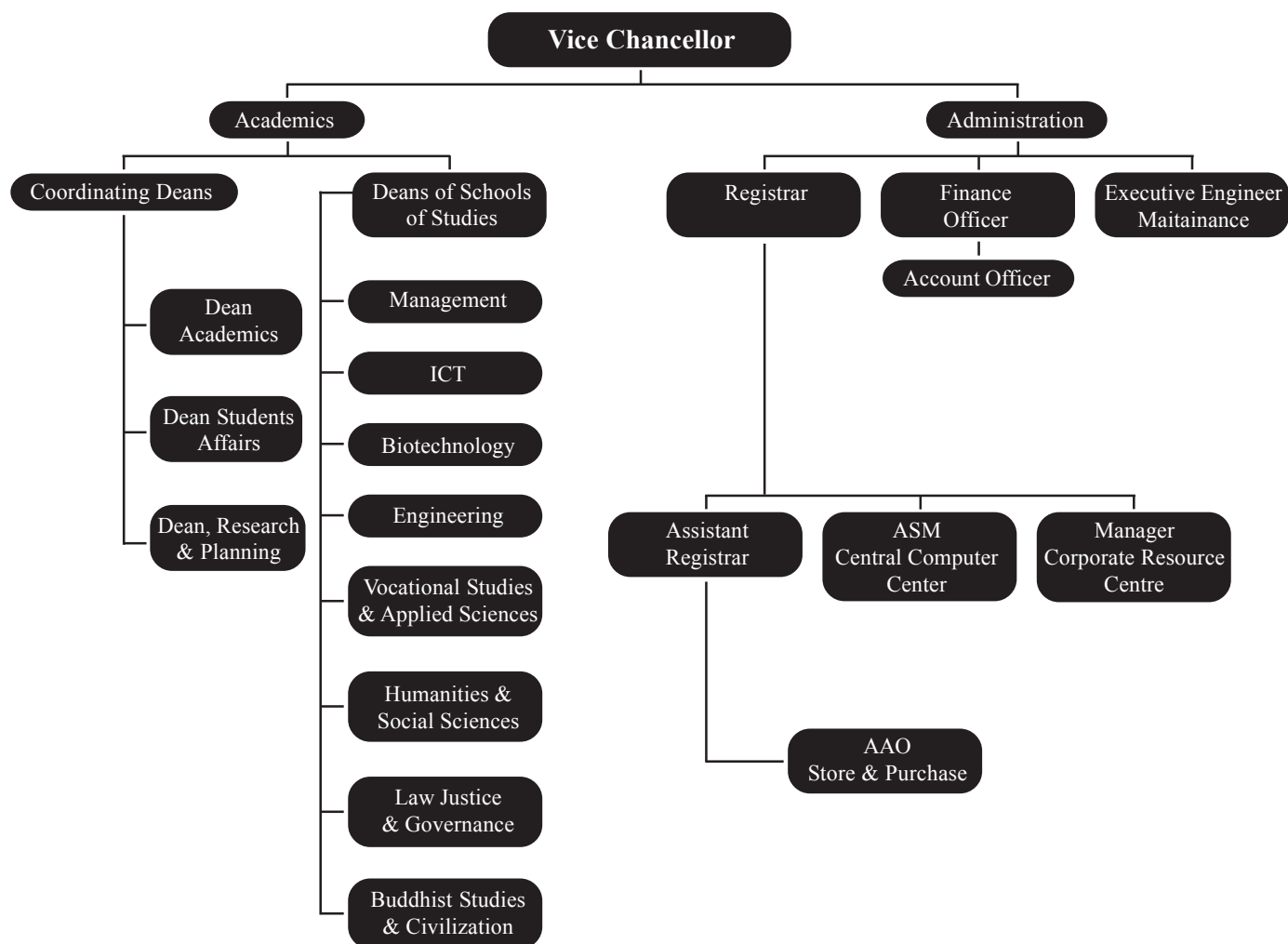
Academic Council

1. Dr. J. P. Sharma Vice-Chancellor, Gautam Buddha University	Chairman	5. Dr. Anil Kumar Sachan Dept. of Civil Engineering MNNIT, Allahabad - 2011004, UP	Member
2. Prof. Avinash Chandra Ex. Professor, IIT, Delhi A-46, Gyandeept Apartments Block-1, Fourth Floor, Mayur Vihar, Phase-1 New Delhi.	Member	6. All Coordinating Deans	Member
3. Prof. R.A. Gupta Deptt. of Electrical Engineering, Malaviya National Institute of Technology JLN Marg, Jaipur - 302017, Rajasthan	Member	7. All Deans, Schools of Studies	Member
4. Dr. Arvind Mohan Deptt. of Economics, University of Lucknow Lucknow - 226007, UP	Member	8. Registrar Gautam Buddha University	Secretary

Finance Committee

1. Dr. J. P. Sharma Vice-Chancellor Gautam Buddha University	Chairman
2. General Manager, Finance Greater Noida Development Authority	Member
3. Controller, Finance Noida Development Authority	Member
4. One Nominated Member from Finance Department, UP Govt.	Member
5. Finance Officer, Gautam Buddha University	Secretary

1.5 Organizational Structure



1.6 Recognition, Affiliations, Memberships, and Certifications

The academic programmes offered by the University have been recognised by the UGC and by various Statutory Councils, whichever are applicable in individual cases.

- Recognition by the University Grants Commission of India (UGC):** Gautam Buddha University is recognized by the University Grants Commission of India vide F.9-18/2009 (CRP-I) dated 13 May 2009 under section 2(f) of UGC Act 1956. Through this the University has been empowered to award degrees as specified by UGC under section 22 of the UGC Act 1956 at its main campus with the approval of Statutory Councils, wherever required.
- Association of Indian Universities Membership:** The University has been granted membership of the Association of Indian Universities vide Meet/84-AM/2009/289139-73. The membership was granted in 2009 and has been in effect since then till date.
- Approval by the Bar Council of India:** The School of Law, Justice & Governance administers a five years Integrated B.A. LLB programme. This Programme has been approved by the Bar Council of India vide BCI:D:2074/2014 (LE/Affilin) on 03.12.2014.
- Approval by Rehabilitation Council of India:** The Department of Psychology & Mental Health, School of Humanities & Social Sciences offers M. Phil. (Clinical Psychology), 2 years Programme which has been recognized by the Rehabilitation Council of India vide 17-785/M.Phil. (Cl. Psy.)/14/RCI dated 07 July 2014.

Under this recognition the Department is empowered to enroll 08 candidates in its M.Phil. Clinical Psychology Programme.

- e. **Approval by the Council of Architecture, India:** The Department of Architect & Planning, School of Engineering offers Integrated Dual Degree Programme (B.Arch. + M. Arch./MBA) in Architect and Palanning, 05 years Programme. This programme has been recognized by the Council of Architecture, India vide CA/5/Academic-UP35 dated 03 September 2012. Under this recognition the Department is empowered to enroll candidates in the Programme and administer academic curriculam since then.
- f. **ISO 9001: 2008 Certification of the University:** Gautam Buddha University has been accredited jointly be Joint Accreditation System of Australia & New Zealand (JAS-ANZ), vide 1015QBC26 issued on 21 February 2015 after accessing and finding confirmation to the requirements of ISO 9001: 2008. The copy of the certificate is attached overleaf.

1.7 Academic Calander, Session 2014-15

Odd Semester

Registration & Hostel Allotment (Second Year onwards)	: Mon. 28th July, 2014
Commencement of classes (Second Year onwards)	: Wed. 30th July, 2014
All First Year Students	: Fri. 1st August, 2014
Orientation Programme (First Year)	: Sat. 2nd August, 2014
Commencement of classes (First Year)	: Mon.4th August, 2014
Mid Semester Examinations	: Mon. 22nd September- Sat. 27th September, 2014
Annual Sports “Shauryotsav”	: Mon. 20th October- Tues. 21th October, 2014
Preparatory Leave	: Sat. 29th November-Sun. 30th November, 2014
End Semester Examinations	: Mon. 1st December-Wed. 10th December, 2014
Special Back Papers Examinations	: Thu. 11th December-Sat. 13th December, 2014
Submission of Evaluated Answer Books	: Thu. 11th December-Wed. 17th December, 2014
Winter Vacation	: Thu. 18th December-Thu. 1st January, 2015

Even Semester

Registration	: Fri. 2nd January, 2015
Commencement of classes for all students	: Sat. 3rd January, 2015
Cultural Festival “Abhivyanjana”	: Fri. 13th February-Sat. 14th February, 2015
Mid Semester Examinations	: Tue. 14th February-Sat. 28th February, 2015
Preparatory Leave	: Wed. 29th April-Thu. 30th April, 2015
End Semester Examinations	: Fri. 1st May-Mon. 11th May, 2015
Special Back Papers Exams	: Tue. 12th May- Fri. 15th May, 2015
Submission of Evaluated Answer Books	: Tue. 12th May- Fri. 20th May, 2015
Summer Vacation	: Thu. 21st May-Tue. 14th July, 2015

Note: All Courses of MBA (IV Semester) will be completed by 31st March, 2015. The End Semester Examinations however shall be held as per the schedule.



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1.8 Important Contacts

Department/Section	Phone no.	Ext. No.
Reception	0120-2344200	4200
PS to V.C.	0120-2344202	4202
Dean, Academics	0120-2344207	4207
Dean, Research & Planning	0120-2344206	4206
Dean, Students Affairs	0120-2346176	6176
Dean, School of Biotechnology	0120-2344268	4268
Dean, School of Humanities & Social Sciences	0120-2344419	4419
Dean, School of Vocational Studies and Applied Sciences	0120-2344343	4343
Dean, School of Engineering	0120-2344493	4493
Dean, Information & Communication Technology	0120-2346069	6069
Dean, School of Management	0120-2346144	6144
Dean, School of Buddhist Studies & Civilization	0120-2346179	6179
Dean, School of Law, Justice & Governance	0120-2347003	7003
Registrar	0120-2344211	4211
Registrar Office	0120-2344214	4214
Assistant Registrar	0120-2344212	4212
Assistant Registrar Office	0120-2344218	4218
Chief Executive Engineer	0120-2344260	4260
International Affairs Office	0120-2346171	6171
Manager Corporate Relations	0120-2344209	4209
Assistant Systems Manager	0120-2344246	4246
Accounts Section	0120-2344235	4235
Assistant Librarian	01202346262	6262
Nursing Supervisor	01202346553	6553
Sports Officer	01202346561	6561
Physical Training Instructor	01202346562	6562
Library	01202346267	6267
Admission Office	01202344234	4234
Examination Office	01202344244	4244
Cheif Warden	01202346175	6175
Main Gate (Administrative Building)	01202344261	4261
Important Fax Numbers:	01202344205, 01202344215	

Chapter-02

Highlights of the Academic Achievements of 2014-15

2.0 In its untiring quest for attaining excellence in education and training, the University has been working towards achieving its objectives as enshrined in its Vision and Mission. In this continued endeavour, the year 2014-15 witnessed significant achievements, accomplishments and developments in the University. Though the list is quite long, some of the major achievements of the University during the year are mentioned in this chapter.

All the eight Schools of the University work in perfect harmony to accomplish the objectives of attaining excellence in education and training. These Schools of Studies offer programmes in various disciplines such as, Management and Decision Sciences, Applied Sciences, Engineering and Technology, Information and Communication Technology, Biotechnology, Humanities and Social Sciences, Buddhist Studies, Law and Governance, etc. The curriculum and pedagogy are interdisciplinary in nature, giving a wide spectrum of intellectual exposure to students and scholars. The major academic achievements by the University during the academic year 2014-15 are given below.

2.1 Intellectual Capital:

Research and innovation, being one of the major thrusts of the University, are ways to assert our presence and productive contribution in academic world. The mission of the University is accomplished by its skilled and trained faculty members, drawn from national and international institutions of repute. The University has been capitalizing and thriving on its intellectual resources and has produced quality Research Theses, Research Articles, Text Books, Reference Books, Reviews, etc. The University got three hundred eighty three (383) academic publications to its credit across all areas of studies in the academic year 2014-15. Adding on it, the University produced eleven (11) Doctoral Theses and registered two patents.

The University has been administering a total of twenty one (21) Sponsored Research Projects funded by different agencies of Govt. of India in mainly two areas which are Biotechnology and Applied Sciences.

The details of research publications, Sponsored Projects, Patents, and Doctoral Theses are given in the following sections.

2.2 Research and Publications:

S. No.	Area/Discipline	Types /No. of Publications	Total
1	Management and Decision Sciences	National Journal : 14 International Journal : 08 Conference Proceedings : 04 Chapters in Books : 02	28
2	Applied Sciences	National Journal : 02 International Journal : 35 Conference Proceedings : 25 Poster Presentation : 03 Books : 04 Chapters in Books : 04	73
3	Engineering and Technology	National Journal : 34 International Journal : 56	90
4	Biotechnology	International Journal : 24 Conference Proceedings : 10	34
5	Information and Communication	National Journal : 11 International Journal : 24	35



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6	Humanities and Social Sciences	National Journal : 14 International Journal : 16 Conference Proceedings : 10 Book Reviews : 03 Books : 03 Chapters in Books : 12	58
7	Law and Governance	National Journal : 02 International Journal : 02 Conference Proceedings : 04 Books : 01 Chapters in Books : 03	12
8	Buddhist studies	National Journal : 24 International Journal : 08 Conference Proceedings : 10 Books : 04 Chapters in Books : 07	53

2.3 Sponsored Projects: The School of Biotechnology and School of Vocational Studies and Applied Sciences are administering a total of 21 Sponsored Projects in the University as per the following details:

Biotechnology

S. No	Project Title	Funding Agency
2.	Spatiotemporal Manipulation of Profilin Gene Family in Cotton Fiber Cells for Increased Yield and Quality	DBT, Govt. of India
3.	Introgression of Regeneration Character into Elite Indian Cotton Cultivars	CSIR, Govt. of India
4.	Investigations on cell intrinsic and extrinsic factors involved in age and disease -induced senescence of endothelial progenitor cells	DST, Govt. of India
5.	Investigations on the role of Hepatitis B virus X protein (HBx) in cancer stem cell-mediated initiation and progression of hepatocellular carcinoma	DBT, Govt. of India
6.	Contribution of angiogenesis and inflammation to fibrogenesis and regeneration in non-alcoholic fatty liver diseases (NAFLD)	ICMR, Govt. of India
7.	Identification of Molecular Pathways in Alveoli Regeneration in an Established Emphysematous Lung: All Trans Retinoic Acid - A Way to Novel Therapy Option	DBT, Govt. of India
8.	Transcriptional and functional characterization of Xenorhabdus nematophila toxin-antitoxin (TA) modules	DST, Govt. of India
9.	Structural basis of nickel transport in Klebsiella pneumoniae.	ICMR, Govt. of India
10.	Characterization of RNA modifying enzymes from Pseudomonas aeruginosa	ICMR, Govt. of India
11.	Structural studies on thiouridylating enzymes from Mycobacterium tuberculosis	DST, Govt. of India
12.	Identification and validation of novel anticancer drug targets in 'Target of Rapamycin (TOR)' signaling pathway	DBT, Govt. of India
12.	Identification and validation of novel anticancer drug targets in 'Target of	DBT, Govt. of India
13.	'Genome Scale fitness profiling of transposon mutant library for identification of novel targets of rapamycin (TOR) signaling pathway'	DST, Govt. of India

14.	Design synthesis and evaluation of potent aminopeptidase inhibitors for malarial therapy	DBT, Govt. of India
15.	Design and evaluation of novel Beta-3 adrenoreceptor agonists for potential antidepressant activity	DST, Govt. of India
16.	Development of meganucleases for targeted genome engineering in rice	DBT, Govt. of India
17.	Development of drought tolerant rice by expression of RNA chaperon gene.	CSIR, Govt. of India
18.	Development of novel adsorbent for pre-concentration of the pathogens and molecular beacon based PCR array to enable culture-free detection of the food and waterborne pathogens	DST, Govt. of India
	Applied Sciences	
19.	Isolation and Characterization of anti-tubercular principle from contaminating bacterial strain.	DBT, Govt. of India
20.	Molecular mechanism of anticancer effect of Avenanthramide-C and its synergistic effect with cisplatin in tobacco specific N-nitrosamine and nicotine induced human head and neck cancer cells.	CSIR, Govt. of India
21.	Investigation on Optical Correlation Filters for Distortion Invariant Pattern Recognition	DST, Govt. of India

2.4 Innovation and Patents: A copyright has been obtained by department of Applied Mathematics and a patent has been filed in USA and a part of the technology has been licensed by a Company Pristana LLC headed by Mr. John McKinney situated in California (USA). The details are given as under:

Name of the Faculty	Title
Prof. Anuradha Mishra	Polysaccharide agents and methods for removing solids from water (USA patent Application Number: 14/555,448 Filed on Nov 26, 2014)
Dr. Pratiksha Saxena	Copyright of TRANSSIM, L-58410/2014

2.4 Awards and Fellowships

The University's faculty members are recognized and awarded fellowships by reputed international bodies, funding agencies, institutions of repute. Some of the fellowships granted to the faculty members of the University by such bodies and institutions are given as under:

- Dr Jitendra Singh Rathore, Assistant Professor, School of Biotechnology was awarded Fulbright Nehru Postdoctoral Fellowship (2014)
- Dr Imteyaz qamar, Assistant Professor, School of Biotechnology was awarded fellowship by the Indian Academy of Science (IAS), Indian National Science Academy (INSA) & National Academy of Science, India (NASI) Summer Teacher Research Fellow (2014) in Department of Biochemistry, Indian Institute of Science, Bangalore.
- Dr. Navras Jaat Aafreedi, Assistant Professor, Department of History and Civilization, School of Humanities and Social Sciences has been selected for Endeavour Research Fellowship by the Government of Australia for Post-Doctoral Research Fellowship at the University of Sydney (August-December 2015).
- Ms. Riya Raj, Research/Faculty Associate, Department of English and Modern European Languages, School of Humanities and Social Sciences has been awarded Student Fulbright Scholarship (under FLTA Programme) at Brown University, USA (July 2014-May 2015)
- Ms. Manjri Suman, Research/Faculty Associate, Department of English and Modern European Languages, School of Humanities and Social Sciences has been awarded Student Fulbright Scholarship (under FLTA Programme) at University of Kansas, USA (July 2014-May 2015)

2.6 Theses (PhD Research) Produced in 2014-15

Area/Discipline of Research	S.No.	Title of the Thesis
Management and Decision Sciences	1	A Study of High Performance Work Practices, Organizational Citizenship Behavior and Turnover Intentions: The Mediating Role of Psychological Capital of an individual
	2	An Empirical Study of Market Efficiency of Select Agricultural Commodities Futures in India
	3	Compensation: Implications of Rewards, Benefits and Organizational Justice on Employee Engagement and the mediating role of Motivation and Job Satisfaction
	4	A Study of Relation Between Corporate Governance and Financial Performance
Information and Communication Technology	5	Energy Efficient Clustering Algorithms for Wireless Sensor Networks
	6	Reliability Evaluation and Topological Design of Communication Networks
	7	Analysis and Design of Algorithms to improve the performance of Fingerprint Identification System
	8	Design and Development of Application Specific Knowledge Based Expert System
	9	Performance Evaluation of Intelligent Algorithms for Data Mining
Electrical Engineering	10	QOS Based Secure Communication
	11	Design and Development of Intelligent Controller for Induction Motor Device

2.7 Conferences, Seminars, Workshops, Training Programmes

In order to keep updated with the current trends and practices in various fields of studies and facilitate its faculty members, research scholars, and students in keeping them in tandem with developments in research and innovation in their respective field of expertise, the University has been promoting research initiatives, projects, collaborative ventures, training workshops for hands-on practices.

Apart from funding and promoting participation of its faculty members in national and international Conferences, Seminars, Workshops, Training Programmes; the University has also been promoting these academic engagements in its campus. These activities in various areas of studies and research are hosted and coordinated by the respective Schools of Studies. Some of the activities during 2014-15 are listed below:

- A seven days' and 65 hours long, rigorous Practice Based Training Programme in the form of a Workshop was organized in the School of Management from 11-17 May 2015. Around 200 Research Scholars/Academicians/Corporate Researchers enquired about the programme, out of which 150 showed interest to participate including 10 from Sri Lanka, 4 from UAE, 2 from Nepal, and 2 from Malaysia. One hundred aspirants decided to participate, but only 60 Researchers and Academicians could be selected for training. The workshop had wide and pan Indian representation and participants were drawn from 18 states of the country.
- In order to acquaint students and scholars with the current trends and practices in the field, six workshops were conducted in the following areas during the academic session 2014-15:

- o Android
- o Qualnet
- o Robotics
- o Cadence
- o Ansys
- o Software Engineering
- Industry-Academia Meet was organised by School of Biotechnology on 19th March 2015 with the theme “Bridging the gap between Industry and Academia” where experts from Biotechnology Industry and Research Institutes shared and deliberated upon current trends, practices, and opportunities with the faculty members and scholars.
- Two Days Workshop on LabVIEW & its Application on 16-17 April 2014 at School of Engineering, Gautam Buddha University by National Instrument’s Representatives from Bangalore; Mr. Ninand Regundwar and Mr. Mangesh Dhobale. (Jointly under PES and CIS).
- Electro-Shop Hands-on Workshop (2-days) for I and II year Electrical & Electronics Engineering Students in School of Engineering, GBU on Electrical Machines on 28-29 Oct 2013.
- Workshop on “Seismic Design of Buildings” organized by Civil Simplified and School of Engineering, Gautam Buddha University held on 28th March 2014. This workshop aims not only on theoretical knowledge but also encourage to hands on practice session, videos, live example and various case studies related seismic structures.
- Workshop on “Concrete Mix Design” organized by Ambuja Foundations, Ambuja Knowledge Centre and School Of Engineering, Gautam Buddha University on 28th and 29th October 2014.
- Eco-Design FAIR Sept 2014. A Creative Art Workshop in Department Architecture & Planning
- Two-day-training Programme on “Recent Trends in Education & Training” for School Teachers scheduled conducted by the Department of Education and Training on 20th and 21st May 2015.
- Workshop on PRA/PLA (Participatory Rural Appraisal and Participatory learning Appraisal) techniques as qualitative research and community assessment was conducted on 5th April 2014.
- Workshop on Programme Media conducted on 9th and 10th October- 2014.
- Workshop on BCC (Behaviour Change Communication) conducted on 20 Oct 2014.
- Workshop on Project Development and Management conducted on 21st November 2014.
- Workshop on “Bridging Gap between Religion and Culture” conducted on 25th November 2014 by a national level NGO, STEP (Standing Together to Empower Peace).
- Workshop on Life Skills Education (LSE) to facilitate coping abilities to deal with challenges conducted on 4th Feb 2015.
- Workshop on “Governance and management system of SHG federation within the sphere of gender equality” was organized in collaboration with Dr AV Baliga Trsuat and funded by Plan India on 22nd to 24th April 2015.
- Organised a workshop on Cognitive Behaviour Therapy in Depression on 9th and 10th April 2015.
- Seminar on *Zionism and Indo-Isarel Relationship* by Dr. Richard Benkin, Human Right Activist, USA on 09th February 2015.
- Seminar on *The Hindu-Jewish Relationship and the Significance of Dialogue* by Michael Bender, Florida International University, USA on 09 August 2014.



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- Seminar on *Dialogue and Ethics: Encountering in the 'Other' in the Mahabharata* by Dr. Brian Black, Lancaster University, UK on 02nd April 2014.
- Seminar on *Digital Archives Project on the History of Baghdadi Jews of Calcutta* by Prof. Jael Silliman, formerly at Iowa University, USA on 20th March 2014.
- Professor Yo, Hsiang-Chou (Taiwan) and Member Professor from Taiwan and Executive Council Member of The World Fellowship of Buddhists, Thailand has delivered a special lecture on the theme “*Dalit Movement and Ambedkar: Relevance in Modern Context*” (02 February 2015).
- Ven. Sanghasena, founder President Mahabodhi International Meditation Centre, Leh-Ladakh, Jammu & Kashmir has delivered a special lecture on the theme “*Revival of Buddhism in India: Prospects and Prospectives*” (20 February 2015).
- One Day ‘Anapana’ Meditation Workshop conducted on the theme “The Mindful Child” in collaboration with Dialogue of Wisdom, New Delhi (19 March 2015).

Chapter-03

Infrastructure and Support Facilities

3.1 Gautam Buddha University has an integrated campus spread over 511 acre lush green residential campus at Greater Noida. The campus is an architectural marvel and has the following infrastructure facilities:

- 30% green area with total built up campus area 55 lacs sq.fts,
- Central Library with total built up area 1.8 lacs sq.fts. with 2000 seating capacity,
- Central Auditorium with 2700 seating capacity,
- An Administrative Building and Eight School Buildings,
- Mahatma Jyoti Ba Phule Vipassana Dhyaan Kendra,
- Eklavya Sports Complex with Indoor and Outdoor Stadium,
- Open Air Theatre,
- Mahamaya Shanti Sarovar, a water body spread over 1Lac sqft area,
- Panchsheel Avasiya Parisar for Faculty and Staff Members,
- Separate Transit Hostel for 156 Married Research Scholars,
- 18 Hostels with single occupancy for 5000 students,
 1. Savitri Bai Phule Women's Hostel,
 2. Rama Bai Ambedkar Women's Hostel,
 3. Mahamaya Women's Hostel
 4. Rani Laxmibai Women's Hostel
 5. Mahadevi Verma Women's Hostel
 6. Ismat Chughtai Women's Hostel
 7. Shri Chhatrapati Shahuji Maharaj Men's Hostel,
 8. Shri Narayan Guru Men's Hostel,
 9. Sant Ravi Das Men's Hostel,
 10. Sant Kabir Das Men's Hostel,
 11. Birsa Munda Men's Hostel,
 12. Guru Ghasi Das Men's Hostel,
 13. Malik Mohd Jaysi Men's Hostel
 14. Rahim Men's Hostel
 15. Tulsi Das Men's Hostel
 16. Munshi Premchand Men's Hostel
 17. Ram Sharan Das Men's Hostel
 18. This Men's Hostel is ready and to be named.
- A Convention Centre and Well-furnished University Guest House,
- Shopping Complex and Utility Centres (Bank, Post Office, Dispensary, Clinical Psychology OPD, Mother Dairy etc.),
- Faculty Club, and many other support facilities.

The following section describes in brief some of the significant infrastructure facilities in the campus. The details may not be exhaustive; however it gives a fairly good idea about the salient features of these facilities.



3.2 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 organizes 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.

3.3 Central Auditorium

Apart from four auditoria located in the School buildings with approximately 300 seating capacities each, the newly constructed state-of-the-art Central Auditorium with a capacity of 2700 is equipped with all kind of advanced audio-video systems. Apart from the main auditorium hall, this building houses three mid-size conference rooms, committee rooms, elaborate corridors, and multipurpose open areas. The auditorium building was made operational in April 2015 after Hon'ble Chief Minister and the Chancellor of the University inaugurated this facility. Since then this facility is available for the academic as well as extracurricular activities at the University campus.

3.4 Convention Centre and University Guest House

The convention centre of the university is a true global platform for intellectual exchanges. The centre hosts a number of programmes, activities, and engagements. An impeccable infrastructure keeps it ahead of the best available in the class. The centrally air conditioned building has state of the art convention centre conference halls, committee rooms, more than 40 rooms and suits and a huge central hall. In addition to International Convention 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.

3.5 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. 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 visitors' room. All the hostels are supported by the solar system which helps in the supply of hot water in winters.

3.6 Married Research Scholars' Hostel (MRSH)

Apart from the hostels for students on campus, the University has created a separate complex with 156 accommodation 02 units of one bedroom apartments with living-dining room, toilet and kitchen. This accommodation has been created for married research scholars enrolled in various full-time Doctoral Degree Programmes. Known as MRSH, this complex has 78 units already occupied and functional. Another block of 78 apartments are completed in 2014 and are ready for allotment in current academic session. Although there is no priority in allotment, however foreign nationals enrolled in different programmes of the University have been given priority with the permission from the competent authority of the University until an alternative arrangement is made for them. Fee and other charges for MRSH are applicable as per the University policy in effect. Residents of MRS Hostel have participated in recently concluded Shauryotsav 2014-2015 in events like Football (Boys), Volley Ball (Boys), Badminton (Boys), Badminton (Girls), Table Tennis (Girls) and also they have worked as Volunteer for the same. This year MRS Hostel emerged as University Champion in Football and second runner in Volley Ball (Boys).

3.7 Panchsheel Awasiya Parisar: Faculty & Staff Residence Complexes

The University is a fully residential campus and provides accommodation facility to all faculty members and staffs working with the University. In addition to the Vice-Chancellor's Bungalow, the university has provision for five types of quarters; type II & III for support staffs and type IV, V, & VI for faculty members and senior administrative

officials of the University. There are six blocks of housing complexes. Out of the the five three blocks, Block-A (56 units), Block-D (48 units), and Block-E (total 92 units) were occupied by the faculty and officers of the University. Remaning three blocks, Block-B (72 units), Block-C (72), and Block-F (60 units) are completed in 2014 and are ready for allotment, in which Block-C has already started housing newly allotted members. One block of Staff Housing type- II & III (52 units) was already occupied and another block (54 units) was completed in 2014 and is reday for allotment in the current session. All the houses are equipped with the facilities of power backup, hot & cold running water, intercom & internet services, fire alarm services, and block specific parks and garden.

3.8 Sports Facilities

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. Facilities that comprise games functions and sports facilities are given as under:

a. Outdoor Sports

1. Cricket stadium with 650 sitting capacity Pavilion.
2. Hockey Astro-turf stadium with 650 sitting capacity Pavilion.
3. Synthetic Athletic Cum Soccer stadium with 650 sitting capacity Pavilion.
4. Practice Arena for Athletic and Soccer
5. Swimming (25 X 50 Meter) with Spectators Arena.
6. Diving Pool with Spectators Arena
7. Synthetic Basketball Arena with flood light facility.
8. Synthetic Volleyball Arena with flood light facility.
9. Synthetic Tennis Arena with flood light facility.
10. Cricket Practice Pitches.

b. Indoor Sports

1. Table Tennis
2. Badminton
3. Squash
4. Gymnasium
5. Wrestling
6. Billiards & Snooker
7. Weight Lifting
8. Boxing
9. Basketball
10. Volleyball
11. Tennis
12. Sports Doping Test Laboratory

3.9 Faculty Club

Apart from the central sports facilities in its sports complex and local facilities available in the hostel premises, the University has also constructed a Faculty Club, wbbich staterd operating in 2014. The faculty club is equipped with the facilities of Badminton, Table Tennis, Billiards and Snooker, Squash, Gym, Swimming Pool, Yoga and other recreational and other sports activities.



3.10 An Environment Friendly Clean and Green Campus

Global warming is a global issue that requires global response. 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 of the University attribute mainly to the ecological aspects, such as 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 uninterrupted 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.

3.11 500 kilowatt Capacity Roof Top Solar Energy Plant Starts Operating

A 500 kilowatt Capacity Roof Top Solar Energy Plant started operating in 2015 on the campus. The plant was inaugurated by Hon'ble Chief Minister and the Chancellor of the University in April 2015. The plant has been installed on three School buildings which are School of Management, School of Information and Communication Technology, and School of Law, Justice, and Governance. The plan for extension of this plant claims to have 03 Mega Watt potential on remaining roof tops of the University buildings. The project is in progress and in coming future, University shall be able to generate 03.50 Mega Watt of solar energy. Apart from this plant, 170 Faculty and Staff Housing Units and 08 Hostel buildings have solar energy operated Water Heating System that ensure hot running water supply in winters.

Chapter-04

Academic Support Facilities

4.1 Admissions (2014-15): In the academic year 2014-15, the University completed admissions in 46 different programmes at various levels such as Under Graduate (UG), Post Graduate (PG), M.Phil., and Doctoral Research (PhD) programmes. The university received very good response for the admission during the academic session (2014-15). A total of 5646 forms were received against a total advertised seat of 1610 during last academic session of all the eight schools. Admissions were done through entrance examination followed by a central counseling procedure and consequently drawing a merit order with compliance of reservation policy along with direct interviews in some courses of BA+MA, MA, M.Sc., M. Phil. and Ph. D. programmes. There were 18 exam centers in 14 cities across the country where the entrance exam was conducted for various courses. A total of 180 SC/ST candidates and 311 female students were enrolled in the academic session of 2014-15 against a total enrollment of 911 candidates. The university is also popular among foreign student as approximately 100 foreign candidates showed their interest and finally 70 candidates got themselves enrolled during this session through International Affairs Cell of the University. If the final trend of admissions in the academic year 2014-15 is taken into consideration, it can be stated that the most noticeable achievement of this year's admissions has been the incredible positive growth (26%) on the basis of admission taken and seats offered compared to the previous year's trend on the same parameter.

Admissions (2015-16): The following programmes have been declared open for admissions in the academic session 2015-16.

Name of he Programmes	No. of Seats & Duration
School of Engineering	
Dual Degree Programme (B. Tech+ M. Tech / MBA) • Civil Engg. • Electrical Engg. • Mechanical Engg.	180 Seats (60 each branch) 5 Years (10 Semester)
Bachelor in Architecture (B. Arch.)	40 Seats 5 Years (10 Semester)
M.Tech. in the following Areas: • Environmental Engg • Structural Engineering • Power System Engg • Instrumentation and Control • Power Electronics and Drives • Manufacturing Engg • Design Engg • Thermal Engg	20 Seats 2 Years (4 Semesters)
Ph.D. (Electrical Engg.)	03 (Full time)
Ph. D. (Civil Engg.)	05
School of Information & Communication Technology	
Dual Degree Programme (B. Tech + M. Tech / MBA) Computer Science and Engg. Electronics and Communication Engg.	120 Seats (60 each branch) 5 Years
Dual Degree Programme (B. Tech + M. Tech / MBA) M. Tech. (ICT) (Specialization in Software Engineering/ Intelligent Systems and Robotics/ Wireless Communication & Networks/ VLSI Design)	80 Seats (20 Seats for each specialization) 2 Years (4 Semesters)
M. Tech. in Computer Science	20 Seats 2 Years (4 Semesters)
School of Management	
Dual Degree Programme BBA+MBA	60 Seats 5 Years (10 Semester)



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MBA (Specialization in Human Resource Mgt./ Finance/ Marketing / Strategy / Operation/ Information Technology)	120 Seats 2 Years (4 Semesters)
MBA (Tourism and Travel)	60 Seats
Ph.D. (In various areas of Business Management)	07 (Full time 05 and Working Professionals 02)
School of Vocational Studies & Applied Sciences	
Integrated/Dual Degree Programme (B. Tech + M. Tech / MBA) in Food Processing and Technology	60 Seats 5 Years (10 Semester)
M. Tech. Food Processing and Technology	30 Seats 2 Years (4 Semester)
M. Sc. (Applied Chemistry)	30 Seats 2 Years (4 Semester)
M. Sc. (Applied Physics)	30 Seats 2 Years (4 Semester)
M. Sc. (Applied Mathematics)	30 Seats 2 Years (4 Semester)
M. Sc. (Environmental Science)	30 Seats 2 Years (4 Semester)
M. Sc. (Food Science)	30 Seats 2 Years (4 Semester)
Ph.D. (Applied Chemistry)	02 (Full time)
Ph.D. (Applied Physics)	02 (Full time)
Ph.D. (Applied Mathematics)	04 (Full time)
School of Law, Justice & Governance	
Integrated Degree Programme BA, LLB	60 Seats 5 Years (10 Semester)
Integrated Degree Programme BBA, LLB	30 seats 5 Years (10 Semester)
School of Biotechnology	
Dual Degree Programme (B. Tech - M. Tech. / MBA) in Biotechnology	60 Seats 5 Years (10 Semester)
M. Tech (Biotech) (Two years programme)	30 Seats 2 Years (4 Semesters)
Ph.D. (In various areas of Biotechnology)	10 Seats
School of Buddhist Studies & Civilization	
B.A (Hons)-M. A. in Buddhist Studies and Civilization	30 Seats 5 Years (10 Semester) Exit after 3 years
M. A. (Buddhist Studies & Civilization)	30 Seats 2 Years (4 Semester)
M. Phil. (Buddhist Studies & Civilization)	30 Seats 1 Year (2 Semester) [one semester extension]
Ph.D. (Buddhist Studies and Civilization)	10 Seats
School of Humanities & Social Sciences	
M. A. (History and Civilization)	30 seats in each programme 2 Years
M. A. (Economics, Planning and Development)	
M. A. (English)	
M. A. (Hindi)	
M. A. (Urdu)	
M.A. (Mass Communication)	
MSW (Master in Social Work)	
M.A. (Sociology)	
M.A./M.Sc. (Applied Psychology)	
M.A. (Political Science and International Relations)	
M.A. (Education)	
M. Phil. (Clinical Psychology)	08 Seats 2 Years (4 Semester)

The admission process is going on for enrollment in the above academic programmes and the new academic session commences in July 2015.

4.2 Examinations

The Central Examination Department administers the academic performance, evaluation, grading and award of degrees in all programmes of studies in the University. The following table illustrates the School-wise details of students who completed their degrees in May 2014.

S. No.	Name of School	Programme Name	Batch	No. of Degrees Awarded
1	School of Biotechnology	M. Tech. Biotechnology 03 Years	2011-14	56
		M. Tech. Biotechnology 02 Years	2012-14	22
2	School of Management	MBA	2012-14	52
3	School of Information & Communication Technology	M.Tech. ICT 3 Years	2011-14	59
		M.Tech. ICT 2 Years	2012-14	69
4	School of Humanities and Social Sciences	M.A in Applied Psychology	2012-14	9
		Master of Social Work	2012-14	13
		M.A in Political Science & International Relations	2012-14	4
		M.A in Economics, Planning & Development	2012-14	3
		M.A in Hindi	2012-14	3
		M.A in Urdu	2012-14	2
		Master in Mass Communication	2012-14	8
		M.A in Sociology	2012-14	4
		M.phil Clinical Psychology	2012-14	6
5	School of Engineering	M.Tech. Structural Engineering	2012-14	3
		M.Tech. Environmental Science & Engineering	2011-14	6
		M.Tech. Power System	2012-14	11
		M.Tech. Industrial Engineering	2012-14	10
6	School of Vocational Studies & Applied Sciences	M.Tech Food Processing & Technology 2 Years	2012-14	19
		M.SC. Applied Mathematics	2012-14	4
		M.SC. Applied Chemistry	2012-14	8
		M.SC. Applied Physics	2012-14	3
		M.SC. Environmental Science	2012-14	2
		M.SC. Food Science	2012-14	2
7	School of Buddhist studies & Civilization	M.A (Buddhist Studies & Civilization)	2012-14	22
		M.Phil. (Buddhist Studies & Civilization)	2012-13	13
	School of Law Justice & Governance	Programmes continuing. The first batch of students shall pass out in 2017		Nil

The following table illustrates the School-wise details of students who completed their degrees in May 2015.

S. No.	School	Programme	Batch	No. of Students
1	School of Engineering	Integrated B. Tech.+M.Tech.(ME)	2010-15	53
		Integrated B. Tech.+M.Tech.(CE)	2010-15	58
		Integrated B. Tech.+M.Tech.(EE)	2010-15	42
		M. Tech Industrial Engineering & Management	2013-15	16
		M. Tech Power System Engineering	2013-15	16
2	School of Biotechnology	M.Tech. Biotechnology 3 Years	2012-15	29
		M.Tech. Biotechnology 2 Years	2013-15	22
		Integrated B.Tech.+M.Tech./MBA(Biotechnology)	2010-15	39
3	School of BSC	M.A Buddhist Studies	2013-15	16
		M.Phil. in Buddhist Studies	2014-15	27
4	School of Management	MBA	2013-15	21
		BBM+MBA	2010-15	35
5	School of VSAS	M.Tech Food Processing & Technology 2 Years	2013-15	11
		M.SC. Applied Mathematics	2013-15	4
		M.SC. Applied Chemistry	2013-15	7
		M.SC. Applied Physics	2013-15	7
		M.SC. Environmental Science	2013-15	8
		M.SC. Food Science	2013-15	16
6	School of HSS	MA in Applied Psychology	2013-15	6
		MA in Hindi	2013-15	7
		MA in Economics Planning & Development	2013-15	7
		MA in Political Science	2013-15	5
		MA in Urdu	2013-15	4
		Master in Social Work	2013-15	10
		M.Phil in Clinical/Rehabilitation Psychology 2years	2013-15	4
7	School of ICT	M.Tech. ICT	2013-15	56
		Integrated B. Tech.+M.Tech.(CSE)	2010-15	52
		Integrated B. Tech.+M.Tech.(ECE)	2010-15	52
8	School of LJG	B.A. LLB (05 Years Programme)	Nil	

4.3 International Students Affairs

Gautam Buddha University in compliance with the approval of the competent authority agreed in principle to open admissions to International Students. The intake of International Students has been started from the academic session (2012-2013). International cell at Gautam Buddha University offers a very cordial welcome to the International students wishing to join different programmes of the University for Higher Studies. To enforce it properly, the University has created a separate entity to look after the matter related to admissions of International Students in terms of procedure, process, admission, and related administration. The International Affairs Office advises students on all matters relating to application, admission, fees, arrival services and orientation. It also offers an ongoing support and after arrival advice. The University has planned to attract a large number of International students not

only for Undergraduate and Post Graduate courses, but also for M. Phil. and Ph.D. programs. This Cell facilitates the international student community in acquiring information, in arranging for their admission, and in looking after their welfare. The University administers a variety of research programs, scholarly events, and outreach activities, often in collaboration with agencies on and off campus. Activities include a colloquium series, conferences, a visiting scholar program, etc. The International Students registered in this University since its inception, belong to following countries:

1. Vietnam
2. Myanmar
3. Thailand
4. Lao
5. South Korea
6. Mongolia
7. Yemen

During the academic session 2012-2013, the applications were invited from International Students for various programmes of the University. The University is able to get applications from various Asian Countries for programmes of School of Buddhist Studies & Civilization only.

S. No.	School	Programmes	Session	No. of Students
1	SOBSC	MA	2012-2013	22
2	SOBSC	M. Phil.	2012-2013	11
3	SOBSC	PhD	2012-2013	06
4	SOHSS	MA in Applied Psychology	2013-2014	01
5	SOBSC	MA	2013-2014	15
6	SOBSC	M. Phil.	2013-2014	22
7	SOBSC	PhD	2013-2014	02
8	SOE	PhD	2013-2014	01
9	SOICT	PhD	2013-2014	01
10	SOHSS	MA in Applied Psychology	2014-2015	01
11	SOBSC	MA	2014-2015	33
12	SOBSC	M. Phil.	2014-2015	23
13	SOBSC	PhD	2014-2015	15

4.4 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. The University has already signed MoUs with the following Institutions/ Universities:

- a. International Business Academy, Kolding, Denmark
- b. Queensland University of Technology, Brisbane, Australia
- c. Sheffield Hallam University, Sheffield, UK
- d. Manchester Metropolitan University, Manchester, UK

In addition to the above, the University is in the process of formalizing tie-up with the following two Universities, for which the preliminary talks have been initiated and a common understanding is being developed. These are:

- e. Russian State University for Humanities, Moscow

f. Moscow State University, Moscow

A delegation of Russian Scholars and students from Russian State University for Humanities and Moscow State University visited Gautam Buddha University on 16 February 2015 to explore possibilities of academic exchange and collaborations between the two Universities.

g. University of East London, London, UK

Professor Nora Ann Colton, Deputy Vice-Chancellor (Academics), University of East London, Docklands Campus, University Way, London E 16 2RD, UK visited Gautam Buddha University on 09.01.2015. She expressed her desire to share and explore possibilities for developing an understanding between the two Universities and working towards a possible MoU in research and innovation between the two Universities. In a follow-up meeting a delegation visited GBU campus on 27 March 2015 and conducted visits of the facilities, infrastructure and had extensive discussion with office bearers regarding possible collaborations.

4.5 **Bodhisattva Dr. Bhim Rao 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:

Details of Resources, Collections and Services as in Academic Session 2014-15		
S. No. (A.)	Library Resources	Total Collection
1	Text/References Books	46304
2	Book Bank	12104
3	Ebooks	500
4	Magazine	20
5	Print Journals	45
6	CD/DVD	1603
7	Project Reports	500
8	Daily News Paper	9
9	E-Resources (E-Journals)	EBSCO (Business Source Complete)
10	Database	Prowess
11	Air Web World's Free Text Search (All India Report)	http://www.airwebworld.com
12	Regiested Library Users (Faculties/Staffs)	3389
13	Total library users Visited in library during 2014-15	
	(Students+Faculties/staffs+Out-side Visitors)	63600
B.	Library Services	
1	Access to Abstracts and Full text of Publications through (EBSCO)	
2	Access to E-Resources	
3	Library Users Help desk service	
4	Book Loan	
5	Online Public Access Catalogue (OPAC)	

6	User Suggestion Register
7	Circulation
8	Making ID Card/Smart Card
9	Self Issue/Return by Libsys Software (LSmart)
10	CAS (Current Awareness Service)
11	Documents Scanning
12	E-delivery service for articles & chapters
13	Find Exam Paper
14	Inter Library Loan
15	Locker Facility Service
16	New Arrival Display Service
17	Newspaper Clippings
18	Photocopy
19	Printing
20	Referral Service
21	Selective Dissemination of Information (SDI)

4.6 Corporate Relations Cell

CRC acts as an interface between the students, faculty, and the corporate world to initiate continuous interaction with the industry, sharing the industry experiences, and understanding the industry needs.

Industry Interface: In its endeavour to maintain a vibrant & proactive academic industry Interface, the cell invites reputed Industry experts from various industries to interact with its students. Apart from this CRC also organise workshops and seminars with concerned school which enable the students to acquire tremendous sectorial awareness and appreciate application of management theories across different sectors and scenarios. Following are the important workshop & seminars conducted in this academic year;

- Mr. Pankaj Gupta, GM Inalsa Home Appliances, conducted a induction session for students of School of Management on 04.08.2014
- The Entrepreneurship Awareness Camp was organised with DST (Govt. Of India) in School of ICT from 10.9.2014 to 12.9.2014.
- Shri Vijay Kumar (IRS), currently income tax commissioner, New Delhi conducted a workshop on Career Planning on 01.11.2014 and has donated hundred complimentary copies of his book “**Face the Challenge**” to our Bodhisattva Dr. BR Ambedkar Library.
- ICICI Direct has conducted a 15 days virtual trading contest STOCK MIND in Nov 2014.
- Mr. Naveen Nayak (*Director*) eBeeZ Technology Pvt. Ltd. conducted a one day workshop on personality development for all final year students of GBU on 15.11.2015.
- M/s Sofcon conducted a seminar on Autocad for students of School of ICT and School of Engineering on Feb. 6th 2015.
- Mr. Anirvan Mukherjee has conducted a workshop on Employability and Communication Skill on 26.03 2015 in School of Management.
- Facilitated Industry visit of 20 students of MBA at Graziano Ltd Gr. Noida on 01.04.2015
- Facilitated Industry visit of 40 students of MBA at Huwai India Pvt Ltd. Gurgaon on 07.04.2015
- Asian Academy conducted the workshop on EXCEL in School of Management on 15th April 2015



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- Mr. Anirvan Mukherjee has conducted a workshop on Employability and Communication Skill on 16.04 2015 in School of Biotechnology.
- M/s Radiance has conducted a one day workshop on Aalog Signal Processing & Circuit Design on 19th April 2015 at School Of ICT.
- Facilitated Industry visit of 40 students of M.Tech. to Doordarshan, Delhi on 23.04.2015

Training & Placements: Corporate Relations Cell has a focused mandate to progressively enhance the synergies between the University & Industry. We are regularly sending the emails to potential organisations, talking to the HR persons on phone and coordinating with concerned school faculty co-ordinator for student's resume/data and meeting them regularly to discuss placements. The following table illustrates Summaer Placement of the passing out students of the academic session 2014-15.

Summer Placement 2015

S. No.	Comapany Name	S. No.	Comapany Name
1	SOBSC	MA	2012-2013 22
1	Accenture Business Consulting	17	Indian Railway
2	Bagrry's India Pvt. Ltd.	18	BPTP Limited
3	eBeez Technology	19	NTPC Limited
4	IDBI Fedral Insurance Limited	20	Defense Institute of Bio-Energy Research
5	Jabong.Com	21	Delhi Metro Rail Corporation
6	Kotak Mahindra Bank	22	Genpact
7	M3M Consultant	23	Indiabulls Real Estate Ltd.
8	Moving Ladders Retail Pvt. Ltd.	24	XOLO Mobiles
9	BIORx Venture Advisors Pvt. Ltd.	25	Honda Cars India Ltd.
10	HCL Learning	26	Bharat Electronics Limited
11	Bharat Nirman	27	Central Public Work Department (CPWD) New Delhi
12	UAS International	28	Indian Institute of Technology Delhi.
13	ONGC Limited	29	Lafarge India limited.
14	MTNL	30	Hitachi
15	BSNL	31	STQC Directorate
16	Minerva Buildtech	32	HAL

The following table illustrates Final Placement of the passing out students of the academic session 2014-15.

Placement 2015 (Continuing...)

S. No.	Company Name	Position
1	Honda Cars India Ltd.	Welfare Executive
2	Asteria IT Services Pvt. Ltd.	Software Developer
3	Stratbeans Consulting Pvt. Ltd.	R & D Engineer
4	Redrock Consulting	HR Executive
5	Huwai Telecommunications India Co Pvt. Ltd.	Telecom Engineer

6	UAS International	B D Manager
7	Genpact	HR Executive
8	Berger Paint	Sales Trainee
9	Neer Info Solutions Pvt. Ltd.	HR Trainee
10	R Systems Ltd.	Software Trainee
11	IACT Global Education Pvt. Ltd.	Assistant Manager
12	Wittybrains Software Technology	Software Developer
13	Octane Pvt. Ltd.	HR Trainee
14	Indian Army	Lieutenant
15	Bencos Research Solutions Pvt. Ltd.	Sales Executive
16	Centre for Fundraising	Management Trainee
17	Asteria IT Services Pvt. Ltd.	Marketing Executive
18	Minerva Builtech Pvt. Ltd.	Marketing Executive
19	Dintex Information System(I) Pvt Ltd	Sales Executive
20	Master Trust	Sr. Executive/ Manager - Wealth Management
21	Info Edge India Ltd.	Executive Fast Forward Sales
22	Sttelergene	Sales Specialist
23	Airwil Infra Ltd.	Management Trainee/Trainee-Sales
24	eBeeZ Technology Pvt. Ltd.	Sales Executive
25	KENT RO Systems Limited	Management Trainee
26	Josh Technology Group	Software Developer
27	Genpact	Process Associate
28	Country Club [India] Ltd.	Direct Sales Executive
29	BEHINDTHEMOONCONSULTANTS	Management Trainee
30	Finoit Technologies (I) Pvt Ltd.	Software Developer
31	PC Solutions Pvt Ltd,	Managment Trainee
32	Impact Research & Measurement Pvt. Ltd.	Research Analyst
33	CbS Tech. Pvt. Ltd.	GET
34	Moving Ladder Retail Private Limited	Supply Chain Manager

The CRC is making continuous efforts and extending support to students in getting appropriate placement.

4.7 Central Computer Centre

The Central Computer Centre (CCC) helps in creating, 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, 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. The construction of the new building for Central Computer Centre is complete and will become functional in Sept 2015. The new building has State of the Art of Data Center with the following facilities.

- State Art of Data Center



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- 250 users Smart Computer Lab with latest configuration and security surveillance.
- VRB AC units for CCC building.
- Board room with video conferencing facility.
- Visitor's area with front helpdesk.
- Hardware Maintenance room.
- Smart Training room.
- 20 Racks space area.
- Dual raw power source for DC.
- Power Backup with 320 KVA (80KVA *4) online ups.
- Lan switching managed by Cisco 6502E.
- Separate BMS room
- Physical and Biometric security for Data Center and CCC Building.
- Precision AC for Data Center.
- Fire and suppression system
- IP CCTV
- Water Leak Detection System for DC site.
- Rodant repellent system for DC site.
- VESDA for DC.
- Building management system for DC.
- 140 KV DGSET.
- Separate LT panel for DC.

New IT helpdesk software has been developed for handling day to day IT operation problems by central computer center. Central Computer Centre provides the technical supports for all the E-learning class rooms (projectors, Audio systems etc).





Chapter-05

Schools of Studies

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

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

Each School of studies in the University combines a multilateral confluence of academic training, research, innovation and creativity. The Schools and Centres of Excellence are embodiments of the University's ever-growing quest for excellence in higher education and research. 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 Schools of Studies encompass modern fields of studies, high-end technological exposure and a meaningful dissemination of knowledge coupled with practicing wisdom. A brief description of these Schools of Learning is given in the following section.

5.1.0 School of Management

5.1.1 About the School and Department: The School of Management has been marching on with an integrated focus on exploring and creating new avenues for all passionate aspirants by strategic collaborations with institutions & Individuals, and the enterprises of national and international repute. The school has already shown commitment to internalize the quality standards indicated by the credible bodies. The school has leveraged the flexibility in the curriculum design to mold it according to the fast changing regional and global context.

5.1.2 Academic Programmes

The School offers some unique courses and programmes, which has been quite popular among students and industry. The five years programme makes possible to cater pool of electives in the areas of Finance, Marketing etc along with multiple summer training opportunities with foreign language during the programme. The school has state of the art classrooms equipped with computing and multimedia facilities and supported by an extensive library of books, journals, films & databases. The curriculum of all its academic activities has international and cross cultural focus. The school offers specialization in HRM, Marketing, Finance, Operations, Information Technology and Strategy etc. GBU SOM promotes diversity in MBA class by inculcating students from different other Schools of the University, thus encouraging multi-disciplinary learning.

5.1.3 Admissions in 2014-15

S.No.	Name of the Programme	No. of Students Enrolled in 2014-15
1	MBA I Year	22+(92 B.tech+MBA)=114
2	MBA II Year	21+(40 B.tech+MBA)=61
3	Int. MBA I Year	30

5.1.4 Laboratories functional in 2014-15

There are two computer labs in the School with 120 working terminals available for students and scholars for academic use.



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S.No.	Name of the Laboratory	Lab No.	No. of Computers
1	Computer Lab-I	Lab –I	60
2	Computer Lab-II	Lab-II	60

5.1.5 Research Degree Committee (RDCs) Conducted in 2014-15

S.No.	Candidate	Supervisor	Approved Title
1	Upasana Kanchan	Dr. Naveen Kumar	Analysis of factors Affecting online purchase Behaviour in Indian Context.
2	Ajit Singh	Dr. S. Banerjee	Customer values Involvement and Information Processing in Context of Personal Computer Purchase in Rural Uttar Pradesh
3	Pragati Swaroop	Dr. Varsha Dixit	Innovative Work Behaviour: Impact of Human Resource Practices
4	Neeti Saxena	Dr. Lovy Sarikwal	Entrepreneurial Competency and Sustainable Organization: Exploring the Role of Cognitive and Non Cognitive Skills
5	Ajay Yadav	Dr. R. K. Srivastava	Volatility Spillover Effect and Regime Switch: A Study of NSE and Selected International Stock markets
6	Preeti Chaudhry	Dr. S. Pandey	Influence of Knowledge sharing on Competencies and Accountability: A Study of selected e-governance projects

5.1.6 PhD Degree Awarded in 2014-15

S.No.	Reg. No.	Candidate	Supervisor	Title of the Thesis
1	PhD/MGT/1009	Jaya Gupta	Dr. Lovy Sarikwal	A Study of High Performance Work Practices, Organizational Citizenship Behavior and Turnover Intentions: The Mediating Role of Psychological Capital of an individual
2	PhD/MGT/1010	Meenakshi Malhotra	Dr. Dinesh K. Sharma	An Empirical Study of Market Efficiency of Select Agricultural Commodities Futures in India
3	PhD/MGT/1014	Pooja Mishra	Dr. Varsha Dixit	Compensation: Implications of Rewards, Benefits and Organizational Justice on Employee Engagement and the mediating role of Motivation and Job Satisfaction
4	PhD/MGT/1018	Santosh Kumari	Dr. Shweta Anand	A Study of Relation Between Corporate Governance and Financial Performance

5.1.7 Conference/Seminars/Workshops conducted in the School in 2014-15

- Mr. Pankaj Gupta, GM Inalsa Home Appliances, conducted a induction session for students of School of Management on 04.08.2014
- ICICI Direct has conducted a 15 days virtual trading contest STOCK MIND in Nov 2014.

- Mr. Naveen Nayak (*Director*) eBeeZ Technology Pvt. Ltd. conducted a one day workshop on personality development for all final year students of GBU on 15.11.2015.
- Mr. Anirvan Mukherjee has conducted a workshop on Employability and Communication Skill on 26.03 2015 in School of Management.
- Facilitated Industry visit of 20 students of MBA at Graziano Ltd Gr. Noida on 01.04.2015
- Facilitated Industry visit of 40 students of MBA at Huawei India Pvt Ltd. Gurgaon on 07.04.2015
- Asian Academy conducted the workshop on EXCEL in School of Management on 15th April 2015
- One Week Workshop organized on Research Methodology by SoM for pan India participants

5.1.8 Publication in the School in 2014-15

Type	Number
National Journal	14
International Journal	8
Proceedings of Conferences	4
Chapters in Books	2

5.1.9 List of Faculty Cadre-wise

S.No.	Name of the Faculty	Designation
1	Dr. Shweta Anand	Associate Professor
2	Dr. Neeti Rana	Associate Professor
3	Dr. Indu Upreti	Associate Professor
4	Dr. Dinesh Sharma	Assistant Professor
5	Dr. Lovy Sarikwal	Assistant Professor
6	Dr. Manisha Sharma	Assistant Professor
7	Dr. Sharadindu Pandey	Assistant Professor
8	Dr. Varsha Dixit	Assistant Professor
9	Dr. S. Banerjee	Assistant Professor
10	Dr. Ombir Singh	Assistant Professor
11	Dr. Naveen Kumar	Assistant Professor
12	Dr. R. K. Srivastava	Assistant Professor
13	Dr. Satish Kumar	Assistant Professor
14	Dr. Kavita Singh	R/Faculty Associate
15	Ms. Samar Raqshin	R/Faculty Associate
16	Ms. Monika Bhati	R/Faculty Associate
17	Ms. Shadma Parveen	R/Faculty Associate
18	Dr. Deepika Joshi	R/Faculty Associate
19	Mr. Prannay Tripathi	R/Faculty Associate

5.2.0 School of Information and Communication Technology

5.2.1 About the School and Departments: School of Information and Communication Technology (ICT) started first batch of Masters of Technology (M.Tech.) in 2009. The school imparts cutting edge value-based education to Post graduate and graduate students. There are two departments in the School, which are:

- Department of Computer Science and Engineering
- Department of Electronics Communication & Engineering



1.2.2 Academic Programmes

The School offers three programmes, M.Tech. for Engineering graduates (2 years), Dual degree programme (B.Tech and M.Tech.) with specialisation in Computer Science and Electronics & Communication and Doctoral Degree Programme (Ph.D.). In the M.Tech. Programmes the specialisation areas offered are Wireless Communication and Networks, Software Engineering, Intelligent Systems and VLSI Design, Embedded Systems and Computer Science. The curriculum of each M.Tech. Programmes comprises of core courses, specialisation courses and open electives. The core courses are the foundation courses meant for all the M.Tech students, whereas the specialization courses are compulsory courses required for building up the basics for the respective specialisation areas and the open electives gives liberty to the student to study courses related to his area of interest in the specialisation domain.

5.2.2 Admission in 2014-15

During the academic year 2014 -15 the following number of new students were enrolled in the first year of the Programmes of the School.

- M.Tech. (in all branches of Specializations) 67 students
- Dual degree Programme (B.Tech.+M.Tech./MBA) CSE Branch 60 students
- Dual degree Programme (B.Tech.+M.Tech./MBA) ECE Branch 63 students

1.2.3 Functional Laboratories in 2014-15

The following table contains functional laboratories in the School in 2014-15:

S.No.	Name of Laboratory	Lab No.
1.	Computer Laboratory-1	IP 101
2.	Computer Laboratory-2	IP 102
3.	Computer Laboratory-3	IP 106
4.	Basic Electronic Laboratory	IP 103
5.	Electronic Circuits Lab	IP 104
6.	Logic Design Lab	LL 104
7.	Artificial Intelligence & Robotic Lab	IP 105
8.	Wireless Technologies Laboratory/Wireless Network Lab	LL 103
9.	Optical Communication Lab	LL 105
10.	Advance Analog and Digital Communication Lab	IP 108
11.	VLSI Design Lab	IP 109
12.	DSP Laboratory	IP 107
13.	Microprocessor & Interfacing Lab	IP 110
14.	Microwave & Antenna Lab	IP 111
15.	Electronic Workshop	LL 102
16.	Computer Networking Lab	IP 113
17.	Expert System Lab	LL 101
18.	Multimedia Technology Lab	IP 101
19.	Parallel Processing Lab	IP 113
20.	Embedded Systems Lab	IP 107
21.	Research Project Lab/ Open Source Software Lab	LL 106
22.	Computer Vision Lab	IP 102

5.2.4 Laboratories Established in 2014-15

In addition to various laboratories already existing and functional in the School, the following laboratories were developed, innovated and made effectively functional in the academic session 2014-15:

- Optical Lab
- Antenna and Microwave Lab
- Electronic workshop Lab
- Microprocessor and Interfacing Lab

5.2.5 Laboratories planned in session 2015-16

In order to impart quality education and maintain pace with the current trends and practices in the discipline, the School has planned development of the following four laboratories in the coming session 2015-16:

- Design Lab for WCN (sensor network),
- Electronic workshop Lab,
- Optical Lab (requires partial development),
- Embedded Systems Lab

5.2.6 Research Degree Committee (RDCs) held in Session 2014-15

A total of 30 RDCs were conducted, out of which 25 candidates were registered in the Doctoral Degree Programme (PhD) in the School during the academic session 2014-15. The details of the registered candidates are given as under.

S.No.	Candidate	Supervisor	Title
1.	Anuradha	Dr. Vidushi Sharma	Dynamic Power Management in Wireless Sensor Network
2.	Aleem Ali	Dr. Neeta Singh	Delay Aware Quality of Service in MANET by using Queue Approach
3.	Amit Mishra	Dr. Anurag Singh Baghel	Design and Evaluation of a Model for Multistage Legacy-Crisis Detection in IT-Solution of Enterprises
4.	Ankur Choudhary	Dr. Om Prakash Sangwan	Nature Inspired Approach to Software Reliability Prediction
5.	Chander Diwaker	Dr. Pradeep Tomar	Reliability Prediction for Component Based Software by using Soft Computing Techniques
6.	Deepak Panwar	Dr. Pradeep Tomar	Software Quality Prediction for Component Based Software using Computational Intelligence
7.	Gaurav Verma	Dr. Vidushi Sharma	Efficient Energy Harvesting for Environmental Monitoring in WSN
8.	Kavita Sheoran	Dr. Om Prakash Sangwan	Component Based Software Quality Prediction Using Soft Computing Techniques
9.	Sonu Lal Gupta	Dr. Anurag Singh Baghel	Sentiment Classification using Swarm Intelligence in Big Data

10.	Mukesh Kumar Garg	Dr. Neeta Singh	Application of Soft Computing Techniques for Design Analysis of Trust Based Routing Practical for Mobile Ad-Hoc Networks(MANETS)
11.	Mukesh Mann	Dr. Om Prakash Sangwan	Design and Evaluation of Software Testing Technique using Computational Intelligence
12.	Parveen Kumar	Dr. Pradeep Tomar	Dynamic Metrics Measurement for Component Based Software Engineering
13.	Pooja Malik	Dr. Anurag Singh Baghel	Development of Suitable Assessment Methodology for English to Hindi Machine Translation
14.	Poonam Jatwani	Dr. Pradeep Tomar	Development of Conceptualization Based Indexing Scheme for Semantic Web Search Engine
15.	Poonam Verma	Dr. Neeta Singh Channel in VANETs	An Efficient Congestion Control Algorithm for CAM Broadcast over Control
16.	Shilpi Gadi	Dr. Anurag Singh Baghel	Mitigating Effects of Channel Impairments (Fading) in Wireless Communication Systems
17.	Vimlesh Kumar	Dr. Anurag Singh Baghel	Development of Optimal Routing Algorithms for Ad Hoc Networks
18.	Rajendra Bahadur Singh	Dr. Anurag Singh Baghel	Meta-Heuristics Optimization for IC Floorplanning
19.	Priyanka Goyal	Dr. Gurjt Kaur	Development of Low Power High Speed Optical Interconnect Architecture
20.	Sadique Mohammad	Dr. Rajesh Mishra Dr. Anurag Singh Baghel	Fuzzy Based Video-on-Demand System in Mobile Ad-Hoc Networks
21.	Supriya Goel	Dr. Pradeep Tomar Dr. Gurjt Kaur	Analysis and Evaluation of ECG Signal for Emotion Recognition using Computational Intelligence
22.	Ms. Nidhi Gulati	Dr. Vidushi Sharma Dr Neeta Singh	Enhanced Security and Threat Prevention Model for Cloud Computing Software and Databases
23.	Bhupendra Singh	Dr. Rajesh Mishra	Performance Enhancement in Communication Based High Speed Train Control System
24.	Altamesh Sheikh	Dr. Neeta Singh	Quality of Service and Mobility Extension of NEMO Protocol for on Board Applications using LEO Satellite Constellation
25.	Arti Gautam Dinkar	Dr. Vidushi Sharma	Improved Key Management Security Scheme for Wireless Sensor Network

5.2.7 Ph.D. Degree Awarded in 2014-15

Six PhD research scholars defended their thesis and completed all the requirements for the degree and were awarded Ph.D. Degree during the academic session 2014-15 as per the following details:

S.No.	Reg. No.	Candidate	Supervisor	Title of the Thesis
1	PhD/ICT/1011	Puneet Azad	Dr. Vidushi Sharma	Energy Efficient Clustering Algorithms for Wireless Sensor Networks
2	PhD/ICT/0902	Md. Ashraf Saifi	Dr. Rajesh Mishra	Reliability Evaluation and Topological Design of Communication Networks
3	PhD/ICT/0904	Sandhya Tarar	Dr. Ela Kumar	Analysis and Design of Algorithms to improve the performance of Fingerprint Identification System
4	PhD/ICT/0903	Arun Solanki	Dr. Ela Kumar	Design and Development of Application Specific Knowledge Based Expert System
5	PhD/ICT/0901	Sandeep Singh Rana	Dr. Ela Kumar Prof. Sanjay Jasola	Performance Evaluation of Intelligent Algorithms for Data Mining
6	PhD/ICT/1003	Manisha Manjul	Dr. Rajesh Mishra	QOS Based Secure Communication

5.2.8 Publication by Faculty

A total of 35 research papers were published in refereed Journals and conferences during the academic session 2014-15 by the School.

5.2.9 Conference / Seminar/ Workshops held in session 2014-15

Workshops Conducted: In order to acquaint students and scholars with the current trends and practices in the field, six workshops were conducted in the following areas during the academic session 2014-15:

- Android
- Qualnet
- Robotics
- Cadence
- Ansys
- Software Engineering

Four Invited Talks:

- professor Mukul Verma on Fault Tolerance and Safety
- Professor D.P. Aggarwal on Sensor Networks
- Professor R.S. Rao on Mobile computing
- Eigen Technologies on Sensor network

5.2.10 Other Activities

An E-Cell has been created in the school to promote cooperative learning.

5.2.11 Faculty Details Cadre-wise in the session 2014-15

S. No.	Faculty Name	Designation
1.	Dr. Rajesh Mishra	Assistant Professor
2.	Dr. Vidushi Sharma	Assistant Professor
3.	Dr. Anurag Singh Baghel	Assistant Professor
4.	Dr. Gurjit Kaur	Assistant Professor



5.	Dr. Neeta Singh	Assistant Professor
6.	Dr. Pradeep Tomar	Assistant Professor
7.	Dr. Arun Solanki	Research/Faculty Associate
8.	Dr. Sandhya Tarar	Research/Faculty Associate
9.	Mr. Navaid Zafar Rizvi	Research/Faculty Associate
10.	Mr. Sandeep Sharma	Research/Faculty Associate
11.	Mr. Vimlesh Kumar	Research/Faculty Associate
12.	Ms. Aarti Gautam Dinker	Research/Faculty Associate
13.	Mr. R.B Singh	Research/Faculty Associate
14.	Ms. Priyanka Goyal	Research/Faculty Associate
15.	Ms. Nidhi Gulati	Research/Faculty Associate

5.3.0 School of Biotechnology

5.3.1 About the School and Departments: Biotechnology is largely considered as the applied science of 21 century. Biotechnology sector is one of the fastest growing knowledge-based sectors in India. With numerous comparative advantages in terms of research and development (R&D) facilities, pool of human capital and cost advantage, the biotechnology industry in India has immense potential to emerge as a global key player. The main objective of the School is to improve the education of present and potential workforce in Biotechnology and to bring innovative products for the social good of the globe. The School is dedicated to provide quality service through teamwork, partnerships and developing research spirit for the professional strength of community and individual. The faculty members of the School can clearly be distinguished in terms of proven academic engagement, diverse backgrounds, sponsored research and its impact. The School is an active centre of basic and applied research.

5.3.2 Academic Programmes

- **Integrated Dual Degree Programmes (Five Years):**
(B.Tech. (Biotech.) + M.Tech. (Biotech.) / MBA) in Biotechnology
- **Post Graduate Programmes (Two/Three Years):**
M.Tech in Biotechnology (Two years programme for Engineering Graduates)
M.Tech in Biotechnology (Three years programme for Science Graduates)
- **Doctoral Programmes:**
Doctoral Programme (Ph.D.) in various areas of Biotechnology

5.3.3 Admissions in 2014-15

A total number of 78 new students were enrolled in the School of Biotechnology during the academic session 2014-15 as per the following details:

S.No	Program	No. of Students
1.	5 year Integrated dual degree program in B.Tech Biotechnology + M.Tech/MBA I year	40
2.	M.Tech Biotechnology for science graduates I year	10
3.	M.Tech Biotechnology for B.Tech/M.Sc Graduates I year	22
4.	Ph.D	06

5.3.4 Laboratories Functional in session 2014-15

S. No.	Laboratory	Lab. No.
1.	Animal Tissue Culture	BP-111
2.	Autoclave & Washing Room	BP-117
3.	Bioinformatics (Computer Lab)	BP-203,202
4.	Bioprocess & Fermentation Lab.	BP-118
5.	Biosafety Lab	BP-103
6.	Central Instrumentation Facility	BP-116
7.	Environmental Biotech	BP-102
8.	Genomics & Proteomics	BP-201
9.	Microbiology	BP-104
10.	Microscopy Lab	BP-110
11.	Plant Tissue Culture	BP-111
12.	Research Labs	BP-112,113,114
13.	Teaching Labs.(4 Labs)	BP-105,106,107,108

5.3.5 Research Degree Committees (RDCs) held in 2014-15:

S. No.	Candidate	Supervisor	Approved Topics
1	Dev Buksh	Dr. Seema Dwivedi	Designing and evaluation of potential inhibitors against malaria targeting <i>Plasmodium falciparum</i> S-adenosyl-L-homocysteine hydrolase.
2	Sushil Kumar	Dr. Seema Dwivedi	studies on NS3/NS2b protease in vector born disease Dengue Virus2
3	Aman Kaushik	Dr. Shakti Sahi	In-Silico Drug designing for GPR 142 regulatory system using switching and system biology pathway
4	Dhananjay Kumar Pandey	Dr. Bhupendra Chaudhary	Functional characterization of profilin gene family in cotton (<i>Gossypium hirsutum</i> L. cv. Coker 310 FR)
5	Avneesh Dwivedi	Dr. Nagendra Singh	Biochemical and structural characterization of bacterial tRNA modifying enzymes
6	Surabhi Lavania	Dr. Nagendra Singh	Development and validation of a simple rapid and efficient diagnostic assays for tuberculosis
7	Karan Issar	Dr. Imteyaz qamar	Expression and regulation of apoptotic genes involved in cancer cells
8	Anamika Sharma	Dr. Vikrant Nain	Study on Conversion of Agricultural Waste Plant Material to Biofuel Through Pentose Fermenting Bacteria
9	Jitendra Kumar Verma	Dr. Deepali Singh	Molecular cloning and characterization of a dehydration-responsive gene OsAlba1 from rice (<i>Oryza sativa</i> L.)



10	Pavan Kumar	Dr. Rekha Puria	Study of novel components of “Target of Rapamycin” signalling pathway in <i>Saccharomyces cerevisiae</i>
11	Hamda Siddiqui	Dr. Savneet kaur	Studies on the effect of hepatic niche factors and extracellular matrix proteins on the activation of hepatic progenitor cells during physiological and pathophysiological liver regeneration
12	Poonam Mishra	Dr. Gunjan Garg	Role of SUN1 (Sad1/UNC-84) domain protein from Chickpea and its orthologue from Arabidopsis in dehydration Stress
13	Shailendra Mishra	Dr. Bhaswati Banerjee and Dr. R.S Kataria	Evolutionary lineages of MHC Class II genes and association of allelic diversity with mastitis in Indian buffaloes

5.3.6 Innovation, Research and Development

The asset of school is its ongoing research in various disciplines of Biotechnology e.g., Malaria, Plant biotech, transgenics, Cancer etc. Numbers of research projects awarded by various government funded agencies are being run in the department with ultimate goal to address the need of nation. The following projects are in effect and ongoing in the School:

S. No.	Project Title	Funding Agency	PI/Co-PI
1.	Target Mimicry-Based Silencing of microRNA-167 Gene Family Targeting Auxin Response Factors (ARFs) Gene Expression During Cotton Fiber Development	DBT	Dr. Bhupendra Chaudhary
2.	Spatiotemporal Manipulation of Profilin Gene Family in Cotton Fiber Cells for Increased Yield and Quality	DBT	Dr. Bhupendra Chaudhary
3.	Introgression of Regeneration Character into Elite Indian Cotton Cultivars	CSIR	Dr. Bhupendra Chaudhary
4.	Investigations on cell intrinsic and extrinsic factors involved in age- and disease- induced senescence of endothelial progenitor cells	DST	Dr. Savneet kaur
5.	Investigations on the role of Hepatitis B virus X protein (HBx) in cancer stem cell-mediated initiation and progression of hepatocellular carcinoma	DBT	Dr. Savneet Kaur
6.	Contribution of angiogenesis and inflammation to fibrogenesis and regeneration in non-alcoholic fatty liver diseases (NAFLD)	ICMR	Dr. Savneet Kaur
7.	Identification of Molecular Pathways in Alveoli Regeneration in an Established Emphysematous Lung: All Trans Retinoic Acid-A Way to Novel Therapy Option	DBT	Dr. J.P Muyal
8.	Transcriptional and functional characterization of Xenorhabdus nematophila toxin-antitoxin (TA) modules	DST	Dr. Jitendra Singh Rathore
9.	Structural basis of nickel transport in <i>Klebsiella pneumoniae</i> .	ICMR	Dr. Nagendra Singh Tomar
10.	Characterization of RNA modifying enzymes from <i>Pseudomonas aeruginosa</i>	ICMR	Dr. Nagendra Singh Tomar Co PI: Dr Imteyaz Qamar

11.	Structural studies on thiouridylating enzymes from <i>Mycobacterium tuberculosis</i>	DST	Dr. Nagendra Singh Tomar (Co-PI: Dr. Imteyaz Qamar, GBU and Dr. P. Kumar, IITR)
12.	Identification and validation of novel anticancer drug targets in 'Target of Rapamycin (TOR)' signaling pathway	DBT	Dr. Rekha Puria Co-PI: Dr. Shakti sahi Dr. Vikrant Nain
13.	'Genome Scale fitness profiling of transposon mutant library for identification of novel targets of rapamycin (TOR) signaling pathway'	DST	Dr. Rekha Puria
14.	Design synthesis and evaluation of potent aminopeptidase inhibitors for malarial therapy	DBT	Dr. Shakti Sahi Co-PI: Dr. Vikrant Nain
15.	Design and evaluation of novel Beta-3 adrenoreceptor agonists for potential antidepressant activity	DST	Dr. Shakti Sahi
16.	Development of meganucleases for targeted genome engineering in rice (Co-PI: Dr. Shakti Sahi)	DBT	Dr. Vikrant Nain Co-PI: Dr. Shakti Sahi
17.	Development of drought tolerant rice by expression of RNA chaperon gene.	CSIR	Dr. Vikrant Nain Co-PI: Dr. Shakti Sahi
18.	Development of novel adsorbent for pre-concentration of the pathogens and molecular beacon based PCR array to enable culture-free detection of the food and waterborne pathogens	DST	Dr. Siya Ram

5.3.7 **Publications By faculty Members**

The School of Biotechnology is committed to high quality research in different areas of Biotechnology which is reflected by the publications by faculties from the school. A brief summary of publications in referred journals and conferences is given below. Besides this several posters were presented in different conferences by faculties and students of the school.

Type	Number
International Journal	24
Proceeding of Conference/Invited Talks	10

5.3.8 **Invited Talks/Conference/Workshop/Presentations:**

- Industry-Academia Meet was organised by School of Biotechnology on 19th March 2015 with the theme "Bridging the gap between Industry and Academia" where experts from Biotechnology industry and Research Institutes interacted with the students.
- Deepti Vyas, Hamda Sidiqqi and Savneet Kaur. Curcumin inhibits endothelial progenitor cell-induced proliferation of HepG2 hepatocellular carcinoma cells". Awarded at the 16th Indo-US Flow Cytometry Workshop held at ILBS, New Delhi from 27th-28th Oct, 2014.
- A declamation contest on "Bridging the Gap between Biotech Industry and Academics" held on 06 Feb 2015.

5.3.9 **Faculty Details Cadre-wise**

S. No.	Name of Faculty	Designation
1	Dr. Seema Dwivedi	Associate Professor
2	Dr. Gunjan Garg	Assistant Professor
3	Dr. Jai Prakash Moyal	Assistant Professor



4	Dr. Bhupendra Chaudhary	Assistant Professor
5	Dr. Shakti Sahi	Assistant Professor
6	Dr. Mohd. Tashfeen Ashraf	Assistant Professor
7	Dr. Rekha Puria	Assistant Professor
8	Dr. Barkha Singhal	Assistant Professor
9	Dr. Nagendra Singh	Assistant Professor
10	Dr. Deepali Singh	Assistant Professor
11	Dr. Jitendra Singh Rathore	Assistant Professor
12	Dr. Imteyaz Qamar	Assistant Professor
13	Dr. Sachin Teotia	Assistant Professor
14	Dr. Savneet Kaur	Assistant Professor
15	Dr. Vishwas Tripathi	Assistant Professor
16	Dr. Vikrant Nain	Assistant Professor
17	Dr. Siya Ram	Assistant Professor
18	Dr. Bhaswati Banerjee	Assistant Professor

5.3.10 Others Achievements and Activities

- Dr. Jitendra Singh Rathore Awarded with Full Bright Nehru Postdoctoral fellowship (2014)
- Dr. Imteyaz qamar was awarded with Indian Academy of Science (IAS), Indian National Science Academy (INSA) & National Academy of Science, India (NASI) Summer Teacher Research Fellow (2014) in Department of Biochemistry, Indian Institute of Science, Bangalore.

5.4.0 School of Engineering

5.4.1 About School and Departments: In accordance with the Vision of the University, School of Engineering has been conceptualized with an objective to work out and develop a dependable model for growth, consistency and significant breakthrough in cutting edge technology and innovation in core engineering fields. The rapid diffusion of core engineering fields like Civil, Mechanical and Electrical Engineering has the potential of bringing improvement in productivity and efficiency in almost every aspect of our life and consequently turning out to be a key driver of our economic growth. The school is committed to prepare technology leaders for tomorrow with our innovative curriculum and meticulous pedagogy for training. It primarily aimed to excel in research and run post graduation programmes in areas of Electrical, Mechanical, Civil Engineering and Architecture & Regional Planning. At present, the school comprises of four departments, which are:

- Department of Mechanical Engineering,
- Department of Electrical Engineering,
- Department of Civil Engineering and
- Department of Architecture & Planning

5.4.2 About Programs: The following programmes are offered in the Departments listed as above by the School.

- **Department of Electrical Engineering**

Integrated Dual Degree (B. Tech.+ M.Tech./MBA) Programme in Electrical Engineering (a five years Dual Degree Programme) with-Specializations for M. Tech. Degree in:

Power System Engineering
Instrumentation & Control
Power Electronics & Drives

Two year M. Tech Programmes

M. Tech. in Power System Engineering

M. Tech. in Instrumentation & Control (to begin from 2015-16)

M. Tech. in power Electronics & drives (to begin from 2015-16)

Doctoral Degree Programme (PhD) in all areas in the discipline.

- **Department of Civil Engineering**

Integrated Dual Degree (B. Tech.+ M.Tech./MBA) Programme in Civil Engineering (a five years Dual Degree Programme) with-Specializations for M. Tech. Degree

Structural Engineering

Environmental Engineering

Doctoral Degree Programme (PhD) in all areas in the discipline.

- **Department of Mechanical Engineering**

Integrated Dual Degree (B. Tech.+ M.Tech./MBA) Programme in Mechanical Engineering (a five years Dual Degree Programme) With-Specializations for M. Tech. Degree in:

Industrial Engineering & Management

Thermal Engineering

Design Engineering

Manufacturing Engineering

Doctoral Degree Programme (PhD) in all areas in the discipline.

- **Department of Architecture & Planning**

Architecture & Planning (a five years Dual Degree Programme) with-Specializations for M. Tech. Degree in:

Master in Urban and Regional Planning

Doctoral Degree Programme (PhD) in all areas in the discipline.

5.4.3 Admissions in 2014-15

S.No.	Name of Department	Name of the Programme	No. of Students Enrolled in 2014-15
1.	Electrical Engineering	Integrated EE Programme M.Tech Power Systems	59 17
2.	Civil Engineering	Integrated CE Programme PSE EEN	63 14 04
3.	Mechanical Engineering	Integrated ME Programme	62
4.	Architecture & Planning	B. Architecture MURP	34 05

5.4.4 Laboratories Functional in 2014-15

S.No.	Name of Department	Name of the Laboratory
a.	Electrical Engineering	Power system lab-II Switchgear and Protection Lab Laboratories Planned Network theory lab Control System lab Digital & Non linear Control lab Power Electronics and Drives Lab



		Advance Power Electronics and Drives lab EMMI and Measurement & Instruments Lab Advance Instrumentation & Control Lab Biomedical & Virtual Instrumentation Lab
b.	Civil Engineering	Engineering Graphics & CAD Lab Fluid Mechanics Material Testing Surveying I & II Environmental Engineering I Concrete Lab Transportation Engineering Soil Mechanics Lab Design Lab & Remote Sensing & GIS Lab (Software Lab) Advanced Environmental Engineering Lab
c.	Mechanical Engineering	Machine Shop Welding Shop Engineering Graphics Lab Manufacturing Technology Lab –I Mechanics of Materials Lab-I Machines Drawing Lab Dynamics of Machines Lab Heat and Mass Transfer Lab Applied Thermodynamics Lab Automobile Engineering lab Advanced Manufacturing Lab-I Advanced Manufacturing Lab-II LABORATORIES PLANNED Carpentry Shop Fitting Shop Smithy Shop Fluid Mechanics lab Engineering Measurement & Instrumentation Lab Fluid Machine Lab Mechanical Vibrations Lab Refrigeration and Air Conditioning lab Computing Aided Design lab Finite Element Methods and analysis Lab Advanced Design Lab Advanced Thermal Engineering lab Computational Fluid Dynamics Lab Simulation Modeling and Analysis
d.	Architecture & Planning	Model making Workshop Computer Lab Climate Lab Photography lab

5.4.5 Research Degree Committee (RDCs) held in Session 2014-15

S.No.	Candidate	Supervisor	Approved Title
1.	Adle Saleh Ahmed Rawea	Dr. Shabana Urooj	Design and Analysis of Hybrid Renewable Energy System for Republic of Yemen.
2.	Prashant	Dr. R.K. Mishra	Studies on Diesel Engines With Befouls,
3.	Gaurav Arora	Dr. Satpal Sharma	Synthesis and Characterization of Mantel Matrix of Hybrid Composite with rare Earth Element,
4.	Nitin Johri	Dr. R.K. Mishra	Synthesis and Characterization of Jute-Chicken Fiber Reinforced Hybrid Composites.
5.	Neeraj Kumar Sharma	Dr. R.K. Mishra	Synthesis and Characterization of Boron Carbide Reinforced MMCs by FEA.
6.	Shashi Prakash Dwivedi	Dr. Satpal Sharma	Synthesis and Characterization of Mantel Matrix Composite Reinforced With Eggshells and SC for Enhanced Tribo-Mechanical Properties.
7.	Kanwarjeet Singh	Dr. Satpal Sharma	Investigation On Effects of Rare Earth Addition on Clods Developed By Microwave Heating
8.	Bharat Singh	Dr. Shabana Urooj	Modeling and Control of Intravenous Drug Delivery System
9.	Koti Reddy Bhimanapati	Dr. Shabana Urooj	Analysis of Psychological Parameter using ECG and EEG Signals.
10.	Mr. sudhakar Singh	Dr. Shabana Urooj	Analysis of Chronic Diseases Using Soft Computing based Image Processing.
11.	Mr. Chanderjeet Singh	Dr. Nidhi Singh Pal	Observer Design for Sensorless Control Nonlinear Systems.

5.4.6 PhD Degree awarded in the session 2014-15

S.No.	Reg. No.	Candidate	Supervisor	Title of the Thesis
1.	PhD/Engg/1002	Bhavnesk kumar	Dr. Y.K. Chauhan	Design and Development of Intelligent Controller for Induction Motor Device

5.4.7 Publications by Faculty Members in 2014-15

Type	Architecture	Mechanical	Electrical	Civil	Total
National Journal	3	18	10	03	34
International Journal	02	30	19	05	56

5.4.8 Conferences/Seminars/Workshops held in 2014-15

- Two Days Workshop on LabVIEW & its Application on 16-17 April 2014 at School of Engineering, GBU by National Instrument's Representatives from Bangalore; Mr. Ninand Regundwar and Mr. Mangesh Dhobale. (Jointly under PES and CIS)
- Electro-Shop Hands-on Workshop (2-days) for I and II year Electrical & Electronics Engineering Students in School of Engineering, GBU on Electrical Machines on 28-29 Oct 2013.
- Workshop on "Seismic Design of Buildings" organized by Civil Simplified and School of Engineering,

Gautam Buddha University held on 28th March 2014. This event was sponsored by D. R. Builders. Students from different colleges participated in this workshop. This workshop aims not only on theoretical knowledge but also encourage to hands on practice session, videos, live example and various case studies related seismic structures. Software used in this workshop was SAP 2000/ETABS. Workshop was held in School of Engineering; Niranjana Yadav(Head, Civil Simplified) delivered lectures. After that Prof. Ela Kumar (Dean- School of Engineering, GBU) gave a welcome note. Dr. Shilpa Pal (Faculty Organizer) described about the workshop program. Student coordinators involved in this training program were Aayushi Singh, Aditi Singh, Abhishek Singh, Rachit Saxena, Abhishek Singh Kushwaha and Shatrughan Kumar Yadav.

- Workshop on “**Concrete Mix Design**” organized by Ambuja Foundations, Ambuja Knowledge Centre and School Of Engineering, Gautam Buddha University on 28th and 29th October 2014. Mr. Bhupinder Singh Sidhu (Zonal head, Delhi-NCR) deliver lectures and practical session to improvise the quality of mix design already practiced in India for better construction or Quality Construction. Ambuja Foundation offering its professionals various platforms of information, inspiration and interaction. Workshop was held in School of Engineering and workshop. Dr. Athar Hussain (Faculty organizer) described about the workshop program at the starting. Student Coordinators involved in this training program were Garima Sharma, Ankit batra, Abhishek Singh, Rachit Saxena, Shatrughan kumar Yadav.
- Eco-Design FAIR Sept 2014-A A Creative Art Workshop in Department Architecture & Planning

5.4.9 Faculty Details Cadre-wise in 2014-15

S.No.	Faculty Name	Designation
1.	Dr. Yogesh K. Chauhan	A.P. and HOD EE
2.	Dr. Nidhi Singh Pal	Assistant Professor
3.	Dr. Shabana Urooj	Assistant Professor
4.	Mr. Rupendra Pachauri	R/F A
5.	Dr. Satpal Sharma	A.P and HoD ME
6.	Dr. Raghvendra Kumar Mishra	Assistant Professor
7.	Dr. Harishchandra Thakur	Assistant Professor
8.	Mr. Anura Dixit	R/ FA
9.	Dr. Athar Hussain	Assistant Professor
10.	Dr. Shilpa Pal	Assistant Professor
11.	Dr. Shobha Ram	Assistant Professor
12.	Ar. Nirmita Mehrotra	Assistant Professor

5.4.10 Other Activities and Developments

- LAN Gaming and Painting Competition under the theme “Women Empowerment” and in Abhiyanjana 14 (Cultural Fest) on 21-22 Feb 2014.
- Engineer’s Week from (9th Sep to 13th Sep 2014) – Technical and Literary Activities viz. GD, Debate, Essay Writing, Poster Making Competitions etc. was conducted.
- Engineer’s Day Valedictory with a Technical Lecture by Prof. Shibana K. Koul (Dy. Dir. IIT-D) at SOM Auditorium, GBU on 15th Sep 2014. (under PES)
- On the occasion of IEEE Day (October 7, 2014), IEEE-GBU SB in association with PR&P Standing Committee IEEE Delhi Section has organized events on 9th & 10th October, 2014. For this various competitions like poster making competition, technical quiz competition, group discussion and photography competition were held on 9th October, 2014.
- Keeping in view the Swach Bharat the students and faculty members of the University collected E-Waste. They collected a good amount of E-Waste that was sent to the authorized agency that ensures proper recycling of E-Waste.
- A plantation drive was also done on 9th October 2014. 50 saplings were planted at GBU Campus.

- Dr. Shabana Urooj Represented Gautam Buddha University in the capacity of Member Executive Committee IEEE Delhi Section at international level of repute.
- Dr. Shabana Urooj nominated as a Member of Standing Committee on Technical & Professional Development Activities IEEE Delhi Section.
- Expert talk by Prof. Akhter Kalam, Victoria University Australia on 30th Jan 2015.

5.5.0 School of Vocational Studies & Applied Sciences

5.5.1 About the School and Departments: The School of Vocational Studies & Applied Sciences (SoVSAS) comprises of primary disciplines of Chemistry, Mathematics and Physics along with two inter disciplinary subjects, Environmental Science, and Food Processing & Technology. All academic programmes of the school lay emphasis on the integration of the existing theoretical knowledge with practical applications. The school is successfully running doctoral programmes since 2011 and postgraduate programmes since 2012. The following section presents a brief about academic activities and achievements of the School.

5.5.2 Academic Programmes

The academic programmes offered in the School support specialized interdisciplinary fields of teaching, research and industry engagement in polymer chemistry, green chemistry, pharmaceutical chemistry, environmental science, food technology, Photonics & optoelectronics, semi conductor- optoelectronics devices, nanoplasmonics, plasmonic devices, thin films, nanotechnology, computational fluid dynamics & Applied Mathematics.

Apart from these courses, the School is all set to offer a wide range of vocational courses of short duration to increase opportunities and human expertise in varied fields of the professional world. The School offers following programmes in various areas of the disciplines as per the details given below:

Applied Chemistry	M.Sc. Applied Chemistry Ph.D. Applied Chemistry
Environmental Science	M.Sc. Environmental Science Ph.D. Environmental Science
Food Processing & Technology	M.Tech. (Food Processing and Technology) M.Sc. (Food Science) B.Tech+ M.Tech / MBA (Food Technology)
Applied Physics	M.Sc. Applied Physics Ph.D. Applied Physics
Applied Mathematics	M.Sc. Applied Mathematics Ph.D. Applied Mathematics

5.5.3 Admissions in 2014-15

S. No.	Name of the Programme	No. of Students Enrolled in 2014-15
1.	M.Sc. Applied Chemistry	13
2.	Ph.D. Applied Chemistry	04
3.	M.Sc. Environmental Science	07
4.	Ph.D. Environmental Science	01
5.	M.Tech (Food Processing & Technology)	12
6.	M.Sc (Food Science)	03
7.	B.Tech+ M.Tech / MBA (Food Technology)	25
8.	M.Sc. Applied Mathematics	06
9.	Ph.D. Applied Mathematics	03
10.	M.Sc. Applied Physics	14
11.	Ph.D. Applied Physics	05



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5.5.4 Labs Functional in 2014-15

S.No.	Name of the Laboratory	Lab No.
1.	M.Sc. Applied Physics Laboratory-I M.Sc. Applied Physics Laboratory-II	02
2.	Integrated B. Tech + M. Tech Programme: (Engineering Physics Laboratory)	01
3.	M.Sc. Applied Chemistry Laboratory-I (CH 409) M.Sc. Applied Chemistry Laboratory-II (CH 410)	02
4.	Integrated B. Tech + M. Tech Programme Engineering Chemistry Laboratory (CY 103)	01
5.	Environmental Science Laboratory –I Environmental Science Laboratory- II	0
6.	B.Tech+ M.Tech / MBA (Food Technology):	01
7.	M.Sc (Food Science)	Nil
8.	M.Tech (Food Processing & Technology)	Nil
9.	Mathematics Laboratory-I Mathematics Laboratory-II	02

5.5.5 RDCs Conducted in 2014-15

S.No.	Name of the Candidate	Supervisor	Approved Title
1.	Mr. Rajmani (2013/VSAS/CYW01) Applied Chemistry	Dr. Upma Singh	Development and Evaluation of Environment friendly Pesticide formulation Based on Plant Seeds Oils
2.	Mr. Krishan Pratap Singh (2013/VSAS/CYW02) Applied Chemistry	Prof. Anuradha Mishra	Synthesis and characterization of Polyphosphazene and its Nano-Composites for High-end applications
3.	Mr. Mordhwaj (2013/VSAS/CYW04) Applied Chemistry	Dr. Vandana Singh	Studies on the Effect of Homocystein Thiolactone on Various Proteins Having Different Physico-Chemical Properties
4.	Mr. Sanjay Tyagi (2014/VSAS/ESW01) Environmental Science	Prof. Anuradha Mishra	Influence of Chemical Composition of Aerosols on Visibility in and around NCR of Delhi and its Validation using WRF Model
5.	Mrs. Rashmi Chauhan (2011/VSAS/MAW04) Applied Mathematics	Dr. Sushil Kumar	Mass Transport Phenomena in Boundary Layer: Analytical/Numerical Simulation
6.	Mr. Prakash Ranjan Deen (2011/VSAS/PHW01) Applied Physics	Dr. Vivek Kumar Shukla	Studies on opto-electronic properties of few organic semiconducting materials for efficient devices
7.	Ms. Soniya Juneja (2011/VSAS/PHW04) Applied Physics	Dr. Manmohan Singh Shishodia	Design, Modelling and Simulation of Plasmonic Structure and Devices

5.5.6 Projects in the School in 2014-15

There are three ongoing research projects in the department of Applied Chemistry and in the department of Applied physics:

S.No.	Title of the Project	Funding Agency	Name of the PI/Co-PI
1.	Isolation and Characterization of anti-tubercular principle from contaminating bacterial strain. (ongoing)	DBT, Govt. of India	Dr. R.K. Gupta Department of Applied Chemistry
2.	Molecular mechanism of anticancer effect of Avenanthramida-C and its synergistic effect with cisplatin in tobacco specific N-nitrosamine and nicotine induced human head and neck cancer cells.(ongoing)	CSIR, India	Dr. R.K. Gupta Department of Applied Chemistry
3.	Investigation on Optical Correlation Filters for Distortion Invariant Pattern Recognition (ongoing)	Dept. of Science & Technology	Dr. Mausumi Pohit Department of Applied Physics

5.5.7 Innovation/Patents/Copyrights in 2014-15

A copyright has been obtained by department of Applied Mathematics and a patent has been filed in USA and a part of the technology has been licensed by a Company Pristana LLC headed by Mr. John McKinney situated in California (USA).

S.No.	Name of the Faculty	Title
1.	Prof. Anuradha Mishra	Polysaccharide agents and methods for removing solids from water (USA patent Application Number: 14/555,448 Filed on Nov 26, 2014)
2.	Dr. Pratiksha Saxena	Copyright of TRANSSIM, L-58410/2014

5.5.8 Conference/Seminars/Workshops conducted in the School in 2014-15

Faculty members of school have been organizing committee members in International workshops, national and international conferences. Following are the details:

- TCP member of the 2nd Computational Mathematics and Applications Conference(CMA 2015), January 29-31, 2015 Shanghai, China.
- TCP member of 2nd International Conference on Advanced Machine Learning Technologies and Applications AMLTA-2014, 28-30 November, 2014, Cairo, Egypt.
- Organizing Member of 4th International conference on Soft Computing for Problem Solving, 27-29 December, 2014, NIIT Silchar

5.5.9 Publication in the School in 2014-15

The school has 70 publications to its credits.

Type	Number
National Journal	02
International Journal	35
Proceedings of Conferences	25
Poster Presentation	03
Books	04
Book Reviews	Nil
Chapters in Books	04
Any Other	Invited Lecture=04



5.5.10 List of Faculty Cadre-wise

S.No.	Name of the Faculty	Designation
	Applied Chemistry	
1.	Prof. Anuradha Mishra	Professor
2.	Dr. Vandna Singh	Assistant Professor
3.	Dr. Upma Singh	Assistant Professor
4.	Dr. Jaya Maitra	Assistant Professor
5.	Dr. Rajesh Kumar Gupta	Assistant Professor
6.	Dr. Alpa Yadav	Faculty Associate
7.	Dr. Tanvi Vats	Faculty Associate
8.	Dr. Deepti Goyal	Faculty Associate
	Food Processing & Technology	
9.	Er. Ashish M. Mohite	Faculty Associate
10.	Er. Ashish Dixit	Faculty Associate
	Applied Mathematics	
11.	Dr. Anjna Solanki	Associate Professor
12.	Dr. Amit Kumar Awasthi	Assistant Professor
13.	Dr. Amit Ujlayan	Assistant Professor
14.	Dr. Dipti Singh	Assistant Professor
15.	Dr. Fahed Zulfeqarr	Assistant Professor
16.	Dr. Pratiksha Saxena	Assistant Professor
17.	Dr. Sushil Kumar	Assistant Professor
18.	Dr. Vikas Panwar	Assistant Professor
	Applied Physics	
19.	Dr. Ashish Kumar Keshari	Assistant Professor
20.	Dr. Bhawna Joshi	Assistant Professor
21.	Dr. Manmohan Singh Shishodia	Assistant Professor
22.	Dr. Mausumi Pohit	Assistant Professor
23.	Dr. Vivek Kumar Shukla	Assistant Professor

5.5.11 Other Activities and Developments

Placement Details:

Fifteen students have got job in the following companies and two have joined PhD as project fellow in Delhi University and NSIT.

- | | |
|---|--|
| 1. Paras Dairy Ltd, Sahibabad, Haryana (1 Student) | 8. Calpro Foods Ltd, New Delhi (1 Student) |
| 2. UD Foods Ltd. , Ghaziabad, Uttar Pradesh (1 Student) | 9. Jublient Chemsys (2 Student) |
| 3. Mohan Meikins Ltd., Ghaziabad (1 Student) | 10. Alchem International Ltd. (1 Student) |
| 4. Natures Bio Food Pvt. Ltd. Sonipat Haryana (1 Student) | 11. Govt. Inter Colleges UP (3 students) |
| 5. Glaxosmithkline, Gurgon (1 Student) | 12. Delhi University, Delhi (1 Student) |
| 6. Fraclabs Ltd., New Delhi (1 Student) | 13. NSIT, Delhi (1 Student) |
| 7. Farelabs Pvt. Ltd., Gurgon (2 Students) | |

Students sent for Training:

Eighteen students were sent for the training to the following renowned institutions/Companies:

1. Dr. B.R. Ambedkar center for biomedical research, New Delhi (1 Student)
2. Jubliant Chemsys, Noida (2 Student)
3. Dr. B.R. Ambedkar center for Biomedical Research, New Delhi (1 Student)
4. Ranbaxy Ltd. (1 Student)
5. Indian Institute for Packaging Research (1 Student)
6. TGCL life sciences (1 Student)
7. Central Food Technological Research Institute, Mysore (2 Student)
8. Central Institute of post Harvest Engineering and Technology, Ludhiana (1 Student)
9. Farelabs, Gurgaon (2 Student)
10. Intratech Lab, Gurgaon (3 Student)
11. Anmol Biscuits Pvt. Ltd. (2 Student)
12. NPL Delhi (1 Student)

5.6.0 School of Humanities & Social Sciences

5.6.1 About the School and Departments: The School of Humanities and Social Sciences founded in 2009-2010, plays the pivotal role of providing the students with an environment that is conducive for developing an understanding of contemporary society and its pertaining vibrant issues through inter-relationship of society, science, language, literature, social work, technology, management and media. The school has a unique and distinctive role of hosting creative educational academic programmes that focus on creating holistic understanding of complexities of life in social context with emphasis on Indian cultural values and Buddhist ethics. There are two major sections in the School, which are Humanities and Social Sciences. The Humanities section consists of three core departments while Social Sciences have eight major core departments.

Humanities: The Departments in the Humanities endeavour to develop understanding of the nuances of Human Values, Narratives, and contemporary cultures. The department contributes in stimulating aesthetic values through literature and languages. There are three Departments in this section, which are:

- Department of English and Modern European Languages
- Department of Indian Languages and Literature
- Department of Mass Communication and Media Studies

Social Sciences: The departments in Social Sciences impart advanced education and training in the social sciences disciplines. Continuing with the thriving academic endeavour of the university, we are pleased to introduce the M.A. and Ph.D. in five major core areas of Social Sciences and Masters in Social Work. Emphasis has been placed on their academic excellence, coupled with profound stress on the importance of services to others as a meaningful way to develop values that will enrich the society. The students and scholars are trained in these disciplines as per their preference at the time of admission to enhance their knowledge of the society and other developmental processes related to the mankind. There are eight Departments in this section, which are:

- Department of Economics, Planning and Development
- Department of Education and Training
- Department of History and Civilization
- Department of Political Science and International Relations
- Department of Psychology and Wellbeing
- Department of Public Administration, Governance and Policy Research
- Department of Social Work
- Department of Sociology



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5.6.2 Academic Programmes

The School has an intrinsic proposition of grooming intellect with an exciting, challenging, and rewarding environment for research. The research areas are wide-ranging and offer PhD program across many areas of sociology, social work, education, public policy, applied psychology, economics, development studies, international relations, history, language and culture, etc in the globalized context, comparative literature, language politics and society etc.

Post Graduate Programmes:

- a. Master in Mass Communication (Two years)
- b. M.A. in English (Two years)
- c. M.A. in Hindi (Two years)
- d. M.A. in Urdu (Two Years)
- e. M. A. in Education (Two years)
- f. MA in History & Civilization (Two Years)
- g. MA in Political Science and International Relations (Two Years)
- h. Master of Social Work (MSW) (Two years)
- i. MA in Sociology (Two years)
- j. MA in Applied Psychology (Two Years)
- k. M. Phil in Clinical Psychology (Two Years)*

*Note: The courses M.Phil, Clinical/Rehabilitation Psychology and Professional Diploma in Clinical Psychology are designed as per the norms of RCI- Rehabilitation Council of India, Government of India

Doctoral Degree Programme (PhD):

The School offers Doctoral Degree Programme (PhD) in all areas of the discipline in its various Departments as listed above.

5.6.3 Admissions in 2014-15

S. No.	Name of the Programme	No. of Students Enrolled
1	MA in Applied Psychology	22
2	MA in Economics, Planning & Development	10
3	MA in Political Science & International Relations	06
4	MSW (Social Work)	15
5	M.Phil in Clinical Psychology	07
6	MA in Urdu	03

5.6.4 Labs Functional in 2014-15

S.No.	Name of the Lab	Lab No.
1	Psychology Lab: <ul style="list-style-type: none"> The department facilitates the psychological assessments through Intelligence tests, Cognitive tests, Personality tests, Aptitude tests, and leadership skills at work place. To diagnose various psychological conditions, the department also facilitates the assessment of anxiety, depression, phobia, OCD, and severe mental disorders such as schizophrenia, acute psychosis, BPAD, etc to cater the needs of the target group. 	LH-208

2	Social Work Practice Learning Laboratory: <ul style="list-style-type: none"> Social Work Laboratory is an integrated component of Social work course and the utility of the laboratory largely depend on the field work exposure of the students and consolidation of knowledge through active reinforcement (in simulated situation) for development of various social work skills. 	LH-209
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5.6.5 Establishment of O.P.D. in 2014-15

The School has established a Clinical Psychology O.P.D. in the Department of Applied Psychology and Mental Health which started functioning in 2014-15. The OPD runs on every working day of the week and provides following clinical services:

- Mental Health Clinic
- Child & Adolescent Clinic
- Neuro-psychological Clinic
- Mental Retardation and Developmental Pathology Clinic
- De-addiction Clinic and
- Marital & Psychosexual Clinic

This O.P.D. has the following provisions:

- Psychodiagnostic assessment,
- Psychotherapeutic management of psychological problems,
- Psychotherapeutic intervention & counselling,
- Bio & Neurobiofeedback training and relaxation therapy by EEG,
- ECG & EMG machines to the patients of depression,
- Anxiety, phobia, OCD, tension headache and other psychological conditions.

The Department of Applied Psychology and Mental Health has established and renewed its association with many health organizations in 2014-15, where the students of different programmes are posted for variety of clinical exposure and field training. The names of the organization are as follows:

- Greater Noida Medical University, Greater Noida, U. P.
- Post-Graduate Institute of Paediatrics (under Greater Noida Medical University), Noida,
- SHANTI HOME, Psychiatric and De-addiction Hospital, Greater Noida & New Delhi.
- Jain-Neurological Psychiatric Hospital, East Delhi.

5.6.6 Research Degree Committees (RDCs) conducted in 2014-15

S.No	Candidate	Supervisor	Approved Titles
1	Halley Singh Thokchom	Dr. A. P. Singh	A Study of School Level Gender Associations on Gender Equality, Emotional Intelligence and Psychosocial Adjustments Among College Students
2	Konsam Gangarani Devi	Dr. A. P. Singh	Effect of Neuro-biofeedback Training on Psychosocial Work Factors and Psychological Wellbeing among Corporate Personal
3	Jyoti Sharma	Dr. A. P. Singh	A Study of Mindfulness Based Cognitive Therapy on Quality of Life and Emotional Wellbeing of Elderly

4	Toran Ashok Kapoor	Dr. A. P. Singh	Psychosomatic Readiness to change in Organization with Emphasis on Perceived Leader Support and Locus of Control among Subordinates: A Co-relational Study in Indian Automobile Sector
5	Tarannum Siddiqui	Dr. S. N. Fatmi	Ramifications and Implications of Family Law Reforms: A Study of Muslim Women of India
6	Chhavi Bhatnagar	Dr. S. Bhadra	Performance of Aanganwadi Workers and Response of Mother to ICDS Scheme
7	Rajvir Singh	Dr. V.K. Shanwal	Dilli Rajya Mein Nih Shulk aur Anivarya Baal Shiksha Ka Adhikar Adhiniyam 2009 ke Krrinvyan ka Alochnatmak Adhyan
8	Navita Malik	Dr. V.K. Shanwal	Effectiveness of Smart Classroom technologies on academic achievement, Creativity and Intelligence of Secondary School Student at Gautam Budh Nagar District, UP
9	Abhinav Divyanshu	Dr. Navras Jaat Aafreedi	Pracheen Bharat Mai Vyapaar evam Vyaparik Varg: Uttarakhand ke Vishesh Sandarbh Mein Ek Adhyan

5.6.7 Conferences/Seminars/Workshops Conducted in 2014-15

- Two-day-training Programme on “Recent Trends in Education & Training” for School Teachers scheduled conducted by the Department of Education and Training on 20th and 21st May 2015
- Workshop on PRA/PLA (Participatory Rural Appraisal and Participatory learning Appraisal) techniques as qualitative research and community assessment was conducted on 5th April 2014.
- Workshop on Programme Media conducted on 9th and 10th October- 2014
- Workshop on BCC (Behaviour Change Communication) conducted on 20th October 2014
- Workshop on Project Development and Management conducted on 21st November 2014
- Workshop on “Bridging Gap between Religion and Culture” conducted on 25th November 2014 by a national level NGO, STEP (Standing Together to Empower Peace)
- Workshop on Life Skills Education (LSE) to facilitate coping abilities to deal with challenges conducted on 4th Feb 2015.
- Workshop on “Governance and management system of SHG federation within the sphere of gender equality” was organized in collaboration with Dr AV Baliga Trsuat and funded by Plan India on 22nd to 24th April 2015.
- Organised a workshop on Cognitive Behaviour Therapy in Depression on 9th and 10th April 2015.
- The Department of Applied Psychology and Mental Health facilitates field visit exposure at Community Centre of Richmond Fellow Society, Najafgarh, Delhi.
- Seminar on *Zionism and Indo-Israel Relationship* by Dr. Richard Benkin, Human Right Activist, USA on 09th February 2015.
- Seminar on *The Hindu-Jewish Relationship and the Significance of Dialogue* by Michael Bender, Florida International University, USA on 09 August 2014.
- Seminar on *Dialogue and Ethics: Encountering in the ‘Other’ in the Mahabharata* by Dr. Brian Black,

Lancaster University, UK on 02nd April 2014.

- Seminar on *Digital Archives Project on the History of Baghdadi Jews of Calcutta* by Prof. Jael Silliman, formerly at Iowa University, USA on 20th March 2014.

5.6.8 **Publication by Faculty Members**

Type	Number
National Journal	14
International Journal	16
Proceedings of Conferences	10
Books	03
Book Reviews	03
Chapters in Books	12
Any Other (Articles, Poems, Interviews, Columns, Observations etc.)	16

5.6.9 **Other Achievements and Activities**

Fellowships Granted:

- Dr. Navras Jaat Aafreedi, Assistant Professor, Department of History and Civilization has been selected for Endeavour Research Fellowship by the Government of Australia for Post-Doctoral Research Fellowship at the University of Sydney (August-December 2015).
- Ms. Riya Raj, Research/Faculty Associate, Department of English and Modern European Languages has been awarded Student Fullbright Scholarship (under FLTA Programme) at Brown University, USA (July 2014-May 2015)
- Ms. Manjri Suman, Research/Faculty Associate, Department of English and Modern European Languages has been awarded Student Fullbright Scholarship (under FLTA Programme) at University of Kansas, USA (July 2014-May 2015)

Activities and Community Outreach

- The Department of Social Work was invited by an NGO, SADRAG- (Social and development research and Action Group), NOIDA to participate and also organize the events on theme of “women Empowerment” for observing Women’s day’ 2014. The programme was organized on 11th March Evening in Great India Palace Mall, NOIDA. The students of Department of Social Work, on behalf of the university participated and performed *Nukkar Natak* on “Issues of women in public life”.
- SADRAG and The National Mission for Empowerment of Women (NMEW) of Government of India conducted a session for the students of the GBU on 26th August, 2014 (Tuesday). This programme on *Women Empowerment and Gender Sensitization* was held between 2.30 to 5.30 PM, in the auditorium of School of Management. In this programme there was a ‘*Nukkar Natak*’ to talk about the social barriers in women empowerment and awareness about gender sensitization. Further there was interactive talk with the students. The Students of MSW facilitated the programme.
- Department of Social Work in coordination with SADRAG organized awareness campaign and rally in Greater NOIDA on “Child-abuse and Rights of the Children” on 20th November 2014. This rally was also to give awareness about “childline” service. 20th November is celebrated as Universal Children’s Day.



5.6.10 List of Faculty Cadre-wise

S. No.	Name of Faculty	Designation
1.	Prof. Mahavir Singh	Professor
2.	Dr. Om Prakash	Assistant Professor
3.	Dr. Vinod K. Shanwal	Assistant Professor
4.	Dr. Anand Pratap Singh	Assistant Professor
5.	Dr. Subhashish Bhadra	Assistant Professor
6.	Dr. Nadeem Fatmi	Assistant Professor
7.	Dr. Navras Jaat Aafreedi	Assistant Professor
8.	Dr. Babita Davi	Assistant Professor
9.	Dr. Rehana sultana	Research/Faculty Associate
10.	Dr. Diwakar Garwa	Research/Faculty Associate
11.	Dr. Vibhavari	Research/Faculty Associate
12.	Dr. Obuidul Ghaffur	Research/Faculty Associate
13.	Dr. Muhammad asif	Research/Faculty Associate
14.	Manjri Suman	Research/Faculty Associate
15.	Riya Raj	Research/Faculty Associate
16.	Siddaramu. B	Research/Faculty Associate
17.	Prakash Chandra Dilare	Research/Faculty Associate
18.	Dr. Renu Yadav	Research/Faculty Associate
19.	Dr. Roopali Srivastava	Research/Faculty Associate
20.	Sibghat Usmani	Research/Faculty Associate
21.	Dr. Bipasha som	Research/Faculty Associate
22.	Priyanka Singh	Research/Faculty Associate
23.	Isha paul	Research/Faculty Associate

5.7.0 School of Law, Justice and Governance

5.7.1 About the School and Department

The School fosters advancement of learning, teaching and research in the fields of law, justice and governance. One of the main academic programmes of the School, the five-year integrated BA LLB has already been started since July 2012 and consequently granted recognition by the Bar Council of India. Now three batches of the same programme have been running. The programme, however, attempts to strike a right balance between the compulsory subjects prescribed by the Bar Council of India and subjects underscoring the interface between law, justice and governance. The School has also acquired a rare distinction of preparing BA LLB Course Curriculum and disclosing it to the stakeholders, months before the commencement of the course. The School aims to blend the theoretical knowledge with practical learning and development of skills and professional attitude through clinical legal education. Keeping this object in mind, in the first semester of the programme, students are guided to participate in moot court practice, debate, essay writing and project works. With this, the School also aims to provide an opportunity to the students to explore the undiscovered nuances of legal profession and to engage in setting new standards in legal education. It may also in due course explore the possibility of introducing various courses in governance and programmes such as LLM and PhD in the areas of law and governance.

5.7.2 Academic Programmes

There is one programme Five-year Integrated BA LLB has been running since July 2012.

5.7.3 Admissions in 2014-15

S.No.	Name of the Programme
1	BA LLB

No. of Students Enrolled in 2014-15
47

5.7.4 Establishment of Moot Court and Departmental Library in 2014-15

- Moot Court has been established in the School of Law, Justice and Governance to give practical exposure to the students as a part of course curriculum.
- School has established its own library to provide online\ offline facilities to the students as per the BCI requirement.

5.7.5 Publication in the School in 2014-15

The School has a total of 12 publication to its credit as per the following details.

Type	Number
National Journal	02
International Journal	02
Proceedings of Conferences	04
Books	01
Chapters in Books	03

5.7.6 List of Faculty Cadre-wise

S.No.	Name of the Faculty	Designation
1	Dr. Mamta Sharma	Assistant Professor
2	Dr. Brahm Dev Pandey	Assistant Professor
3	Dr. Sumitra Huidrom	Assistant Professor
4	Dr. Akshay Kumar Singh	Assistant Professor
5	Dr. Vivek Kumar Mishra	Assistant Professor
6	Dr. Chandrabhanu Bharas	Assistant Professor
7	Dr. Pankaj Deep	Assistant Professor

5.8.0 School of Buddhist Studies & Civilization

5.8.1 About the School and Department: The School of Buddhist Studies & Civilization was established in 2008 but academic programmes started in 2011-2012 to promote the study of and research on all aspects of Buddhism and its relevance to the world today. The School of Buddhist Studies & Civilization is a consequential nucleus for the academic research and discourses leading to the promotion of peace and harmony guided by Buddhist Ethics and human values. The research and other programmes offered in School intertwined together the diverse theories in Buddhism and its expressions in our day to day life, mediating a meaningful inclusion of Buddhist values in our cultural, social and intellectual assumptions. The school encourages comparative study of Buddhism vis-à-vis other major world religions and their philosophies with an attempt to understand how the various Buddhist movements across the world have helped the societies in their emergence, for instance the Dalit Movement in India. With a library, a marvellous meditation centre and a conducive and tranquil lush green campus, the School promises a very productive academic engagement and practice of Buddhist techniques of Vipassana under qualified supervision. In addition to the above, the School provides an ideal forum for cross-cultural, interfaith and intellectual dialogues of scholars through conventions, symposia, seminars, conferences, lectures, etc. The School promotes academic collaboration, MoUs, joint research programmes and faculty and student exchange programmes with academic institutions of repute dedicated to Buddhist Studies in the World. In order to do so the School has signed a Memorandum of Understanding (MoU) with Dhammachai International Research Institute (DIRI) based in Bangkok, Thailand, New Zealand and Australia.

5.8.2 Academic Programmes

The programme is intended for students, monks, nuns, teachers, psychologists, social workers and counsellors who want to study how Buddhist teachings add a new dimension to the science of human psyche and how they are applied to their daily work for academic session and spiritual development in a comprehensive and scientific way. We believe our various programmes of studies offer a new dimension on the study of Buddhism. The traditional approach of study was based on learning religious texts and commentaries and was largely conducted in monasteries and specialized institutes. Our programmes go far beyond this by offering new perspectives on many other areas not traditionally associated with the study of the religion. Through a fundamental understanding of Buddhist teachings, the programmes will enable students to develop better mind and life-management skills. The program focuses on the study of canonical and post-canonical languages and literature of the Buddhist tradition. The program offers a concentration in South Asian Buddhism with the relevant languages (Sanskrit, Pali, and Chinese). The specific program of courses will be worked out on an individual basis between the student and faculty. The School offers following programmes:

- At Graduate Level: [B. A. (Hons.) + M. A.] Five Years programme
With Exit option after completion of B. A. (Hons.) or Three Years
- At Post Graduate Level: M. A. (Master of Arts)
- At Pre-Doctoral Level: M. Phil. (Master of Philosophy)
- At Doctoral/Research Level: Ph. D. (Doctoral of Philosophy)

5.8.3 Admissions in 2014-2015

School is running Integrated BA + MA Programme, Master of Arts or MA and postgraduate research programme leading to the award of M. Phil. and Ph. D. degrees provided students with an opportunity to explore how Buddhist teachings may add a new dimension to the science of the human psyche and how their application may enhance effectiveness in their personal and professional lives.

S. No.	Name of Programme	No. of students enrolled in 2014-2015
1	BA+MA	10
2	M.A.	35
3	M. Phil.	27
4	Ph. D.	19

5.8.4 Research Degree Committee (RDCs) held in 2014-2015

School provides research guidance to students for their MA and MPhil dissertation and PhD thesis writing. Last year i.e. during session 2014-2015, number of students enrolled in M. Phil. and PhD programmes is 27 and 19 respectively. RDC held for 22 research Scholars of the School and their details are as follows:

S.No	Candidate	Supervisor	Approved Titles
1.	Natpiya Saradum	Dr. Anand Singh	Buddhism in Thailand: Interpreting Epigraphy, Sculptures and Architecture with special reference to Dvaravati Period; 6th-12th centuries c.e.
2.	Pham Nhat Huong Thao	Dr. Arvind Kumar Singh	Social and Economic Philosophy as Reflected in the Pali Tipitaka
3.	Phramaha Sanchai Racharee		Dr. Anand Singh A Comparative Study of Monastic and Lay Ethics in Early Pāli Literature
4.	Nyanavara	Dr. Arvind Kumar Singh	Vipassana Masters of Myanmar: A Study of the Evolution and Development of their Methods From Colonial to Modern Era

5.	Jeik Hyun	Dr. Indu Girish,	The Concept of the Buddha: A Comparative Study Based on the Lotus Sutra and Korean Won-Buddhism
6.	Le Thi Dieu Loan	Dr. Anand Singh	Ideology, Methodology and Dissemination of Engaged Buddhism in Vietnam (1901-2010)
7.	Nguyen Thi Bich Van	Dr. Arvind Kumar Singh	Contribution of Socially Engaged Buddhist Leaders in the Modern Globalizing Society
8.	Jagaralankara	Dr. Gurmet Dorjey	Mahâthera Ledi Sayadaw's Contribution To Myanmar Buddhist Literature: An Analytical Study
9.	Nguyen Dinh Danh	Dr. Gurmet dorjey	Vipassana: Buddhist Meditation With Special Reference to Pali Nikayas & Social Relevance
10.	Ranjana	Dr. Anand Singh	Evolution of the Buddha Images in Early India and Dissemination of Buddhism Through Images
11.	Champalal Mandrele	Dr. Manish T. Meshram	Dr. Bhimrao Ambedkar Ka Baudh Dhamma Vishyaka Ek Nutan Drishtikona: Ek Tulanatmaka Adhdhyayana
12.	Panya Deep mog	Dr. Priyasen Singh	Theravada Buddhism in North-East India With Special Emphasis on Tripura
13.	Do Dinh Tuan	Dr. Ch. Venkata Sivasai	An analytical Study of the Adisikkha Based on the <i>Pancanikaya</i>
14.	Phan Ngoc Thien	Dr. Gyanaditya Shakya	Samma-Ditthi in Pure Land Buddhism: A Critical Study
15.	Phan Ngoc Day	Dr. Chandrashekhar Paswan	Buddhist Ethics and Contemporary Issues: A Noble Way of Living
16.	Tran Thi Dieu Huong	Dr. Indu Girish	An Analysis of Buddhist Educational Psychology as Depicted in the Trisika-karika of Vasubandhu
17.	Dhammasami	Dr. Priyasen Singh	The Swedagon Pagoda: the Epicenter of Buddhist Culture of Myanmar
18.	Tiloka	Dr. Ch. Venkata Sivasai	Buddhist Influence in the Making of Indian Culture and its Relevance in Modern Context: An Enquiry and Reflection
19.	Rajesh Kumar Rai	Dr. Ch. Venkata Sivasai	Asoka's Pilgrimage (Dhammayattas) to Buddhist Sacred Places: A Historical Study from Past to Present
20.	Le Van Muoi	Dr. Priyadarsini Mitra	A Study on T'ien T'ai Buddhism (1st century to Sung Dynasty)
21.	Vo Thi Hong	Dr. Priyadarsini Mitra	Comparison of the Concept of Equality between Pancanikaya and Mahayana Sutras
22.	Ajit Kumar	Dr. Priyasen Singh	Buddhist Mode of Education: Exploring Traditional Methodology in Modern Context



5.8.5 M. Phil. Degree Awarded In Session 2014-2015

During this academic session, no PhD degree is awarded from School but all M. Phil. candidates who have been enrolled during this academic session will be awarded M. Phil. Degrees whose details are:

S. No.	Reg. No.	Name of candidate	Supervisor	Title of Dissertation (M. Phil.) Co-Supervisor
1	14/MBS/001	Phra Lamngeun	Dr. Priyasen Singh	Buddhism in Laos: A Historical Study Vongchantha
2	14/MBS/002	Tran Thi My Dung	Dr. Chintala Venkata Siva Sai	Zen Meditation and Buddhist Psychology: Practices and Benefits
3	14/MBS/003	Nguyen Ngoc Truong	Dr. Priyadarsini Mitra	A Study of Three Vehicles in Lotus Sutra
4	14/MBS/004	Hoang Thi Le Hang	Dr. Gyanaditya Shakya	Concept of Paramita in Mahayana Tradition
5	14/MBS/005	Nguyen Thana Dong	Dr. Chintala Venkata Siva Sai & Dr. Mukesh Kumar Verma	An Analytical Study of Buddhist Ethics with Special Reference to the Eight Fold Path
6	14/MBS/006	Nguyen Thi Diem	Dr. Priyadarsini Mitra	Concept of Dhamma in Lankavatara Sutra
7	14/MBS/007	Tran Ngoc Tu	Dr. Indu Girish	Bodhisattva Doctrine: A Study based on Mahayana Thought
8	14/MBS/008	Huynh Cong Chuyen	Dr. Priyadarsini Mitra	A Critical Study of Philosophy of Mind Only in Lanvakavatara Sutra
9	14/MBS/009	Tran Duc Nam	Dr. Chandrashekar Paswan	Buddhist Response to Social Conflict
10	14/MBS/010	Nguyen Thi Chot	Dr. Indu Girish	The Concept of Anatarbhava (Intermediate state) in Buddhism
11	14/MBS/011	Nguyen Thi Thuy	Dr. Manish T. Mesharam & Dr. Mukesh K. Verma	Comparison of the Concept the skillful means as depicted in Saddharmapundarika Sutra and Vimalakirti Sutra
12	14/MBS/012	Nguyen Thai Mien	Dr. Arvind Kumar Singh	Vimalakirtinirdesa Sutra and its sanitization in china from 3rd to 5th century: a Critical Study
13	14/MBS/013	Nguyen Thi Man	Dr. Chandrashekar Paswan	Buddhist Art in Ancient India: An Historical Study
14	14/MBS/014	Dhammatinna	Dr. Gurmet Dorje	A Pragmatic approach to Metta Meditation in the Theravada Buddhism
15	14/MBS/015	Phan Anh Duoc	Dr. Gurmet Dorje	English language in Buddhist Schools of Vietnam: problems and Solutions
16	14/MBS/016	Phung Thiet Trinh	Dr. Manish T. Mesharam	True value of meditation in Satipatthana Sutta
17	14/MBS/017	Sima Rani	Dr. Priyasen Singh	Sukhi Grihasth Jeevan Mein Baudha Siksha ki Prasangikta: Ek Adhyayan
18	14/MBS/018	Asin Aggadhat	Dr. Gyanaditya Shakya	Human Values in Sutta Nipata: A Study

19	14/MBS/019	Manish Chandra Choudhary	Dr. Anand Singh	Buddhist Ethics and Sustainable Development: A Case Study of Ladakh
20	14/MBS/020	Kamal Singh	Dr. Priyasan Singh & Dr. Mukesh Kumar Verma	A Study on Reducing Climate Conflict Through Buddhist Teachings
21	14/MBS/021	Sanghpal Shende	Dr. Manish T. Mesharam	Bodhisattv Dr. Bhimrao Ambedkar द्वारा रचित 'Buddha and his Dhamma' ग्रंथ का अधुनिक युग में गौडान: Ex विश्लेषणात्मक अध्याना.
22	14/MBS/022	Stanzin Mingur	Dr. Anand Singh	A Study of Stakna Monastery of Ladakh
23	14/MBS/023	Le Hong Linh	Dr. Chintala Venkata Siva Sai	Development of Theravada and Mahayana Buddhism in Vietnam
24	14/MBS/024	Vo Xuan Tam	Dr. Indu Girish & Dr. Mukesh Kumar Verma	An Analytical study of Dignaga's Epistemology
25	14/MBS/025	Tran Thi Kim Hoa	Dr. Arvind Kumar Singh	The Features of Chan School in China and its influence to Chan Vietnam Buddhism
26	14/MBS/026	Nguyen Ngoc Tho	Dr. Gyanaditya Shakya	A Survey on Literature aspect of Saddharmapundarika Sutta
27	14/MBS/027	Kusalasami	Dr. Arvind Kumar Singh	A Critical Study of Meditation Based on Theravada Buddhist Texts

5.8.6 Conference/ Seminars/Workshop conducted in 2014-2015

- 02.02.2015: Professor Yo, Hsiang-Chou (Taiwan) and Member Professor from Taiwan and Executive Council Member of The World Fellowship of Buddhists, Thailand has delivered a special lecture on the theme “*Dalit Movement and Ambedkar: Relevance in Modern Context*”
- 20.02.2015 Ven. Sanghasena, founder President Mahabodhi International Meditation Centre, Leh-Ladakh, Jammu & Kashmir has delivered a special lecture on the theme “*Revival of Buddhism in India: Prospects and Prospectives*”
- 19.03.2015 One Day ‘Anapana’ Meditation Workshop conducted on the theme “The Mindful Child” in collaboration with Dialogue of Wisdom, New Delhi.

5.8.7 Publication in the School in 2014-2015

All the Faculty members of the School took keen interest in research and conferences of national and international repute which resulted into publications of their research articles in India and abroad.

Type of Research Publications	Number
National Journal	24
International Journal	08
Proceedings of Conferences	10
Poster Presentation	Nil
Books	04
Book Reviews	Nil
Chapters in Books	07
Any Other (Magazine/Newspaper)	05



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5.8.8 Other Activities

- It is a matter of great pleasure that some of our students have been selected for abstract and full paper presentation in conferences of national and international repute in India and abroad and others are about to present in near future.
- School is conducting a workshop once every week throughout the academic session on “*Bodhi Meditation and Personality Development*” at Jyotiba Phule Dhyan Kendra.

5.8.9 List of Faculty Cadre-wise

S. No.	Name of Faculty	Designation
1	Dr. Neeti Rana	Dean (I/C) & Associate Professor
2	Dr. Anand Singh	Associate Professor
3	Dr. Arvind Kumar Singh	Assistant Professor
4	Dr. Indu Girish	Assistant Professor
5	Dr. Priyasen Singh	Assistant Professor
6	Dr. Chandrashekhhar Paswan	Assistant Professor
7	Dr. Gurmet Dorjey	Assistant Professor
8	Dr. Priyadarsini Mitra	Assistant Professor
9	Dr. Chintala Venkat Sivasai	Assistant Professor
10	Dr. Gyanaditya Shakya	Assistant Professor
11	Dr. Manish Tarachand Meshram	Assistant Professor
12	Dr. Mukesh Kumar Verma	Research/Faculty Associate
13	Ms. Sangeeta Wadhwa	Research/Faculty Associate

Chapter- 06

Extra Curricular Developments

- 6.1 Sports Activities:** “Talent wins games, but teamwork and intelligence wins championships.” The above quote given by the famous American basketball player has emphasized about the importance of talent but in coordination with the intelligence and teamwork. As known it is the need of the present hour that an individual do not work on the concepts of individualism, academic effort but TEAM work and a holistic approach of growth that includes overall development of an individual. It is the mission of our university that the growth of an individual should not only be academic but also a value-based intellectual growth. Our sports department helps students in developing such a holistic approach of growth whether physical and moral.

The university believes that when a world class campus at any part of the world can deliver world beating innovations, then why not the same campus can deliver world beating sportsmen. The fascinating sports infrastructure at the university kindles the promise among aspirant to perform their calibers and reform their competences, and translates these virtues in their professional innings. The sports and games facilities at the university have been designed keeping in mind all the major sports. The sports and games facilities in the University include:

- A Volleyball court with floodlight near Administration Building.
- Synthetic Badminton courts with floodlight at various Boys & Girls Hostel.
- Synthetic Volleyball courts with floodlight at various Boys & Girls Hostel.
- Synthetic Basketball courts with floodlight at various Boys & Girls Hostel.
- Table-Tennis Tables at various Boys & Girls Hostel.
- Gym Facility in Girls Hostel.
- *Cricket Stadium* with pavilion of sitting approx. 650 persons.
- *Indoor Stadium with facilities of 04 Badminton Courts, 06 Table-Tennis Table, 01 Basketball Court, 02 Squash Racket and 01 Volleyball Court*
- *Coaching Facility: - University appointed coaches for coaching of students in the following games and sports:- Badminton, Basketball, Table- Tennis, Volleyball & Cricket.*

6.2 Team Building & Morale Boosting Activities:

- Cross country, organized ones in a year on every 26th January helped students to enhance their enthusiasm and motivation.
- Run for Unity (Cross country), organized to celebrate Rashtriya Ekta Diwas (October 31, 2015) to celebrate the Birth Day of Sardar Ballabh Bhai Patel.
- Daily exercises and games practices helped students to be fit always for taking any challenges in both sports and academics.

6.3 Shauryotsav (The 6th Annual Sports Meet):

Shauryotsav, annual sports meet aims at motivating students participate and add physical extensions to their intellectual quests. Various post competitions in Shauryotsav are arranged to further inculcate the students with the morals. It is organized once in a year.



Sports Activities for Shauryotsav (6th Annual Sports Meet) 2014-15

List of Activity (Boys & Girls)

S. No.	Activity for Boys	Activity for Girls
1.	Cricket	Badminton
2.	Football	Basketball
3.	Badminton	Volleyball
4.	Basketball	Table-Tennis
5.	Volleyball	Kabaddi
6.	Table-Tennis	Throw Ball
7.	Kabaddi	Tug of War
8.	Tug of War	March Past
9.	March Past	-

Track & Field Events for Shauryotsav (6th Annual Sports Meet) - 2014-15

List of Event (Boys & Girls)

S. No.	Name of Event
1.	100 m. Run
2.	200 m. Run
3.	400 m. Run
4.	800 m. Run
5.	1500 m. Run
6.	110 m. Hurdle
7.	400 m. Hurdle
8.	4 x 100 m. Relay
9.	4 x 400 m. Relay
10.	Long Jump
11.	High Jump
12.	Shot Put
13.	Discus Throw
14.	Javelin Throw

6.4 External Participation and Achievements:

S. No.	Team	Result	Organized by
1.	Volleyball Women	Winner	Athleema – 2015 (3rd Annual Sports Meet) Organized by- Asian Business School Sec- 125, Noida
2.	Table Tennis Women (Single)	Winner	
3.	Table Tennis Women (Doubles)	Winner	
4.	Badminton Men (Single)	Winner	
5.	Badminton Men (Doubles)	Lost in semi-final	
6.	Table Tennis Men (Single)	Lost in semi-final	
7.	Table Tennis Men (Doubles)	Lost in semi-final	
8.	Basketball Men	Lost in semi-final	
9.	Chess Men	Lost in semi-final	
10.	Football Men	Lost in quarter-final	Fr. Agnel Bal Bhawan Open Football Tournament-2014

6.5 Cultural Activities

Gautam Buddha University has a cultural Council. Various clubs such as Art Club, Debating Club, Dramatics Club, Literary Club, Photography Club, Hobbies Programming Club, Adventure Club, Social Service Club, and Robotics Club work under the Cultural Council. University Cultural Council through its various clubs keep on organizing different cultural fest and activities throughout the year. The activities range from classical plays, Oratory sessions, Music and dance nights.

- Abhivyanjana 2015, the cultural fest of the University was held on 13th - 14th February 2015. 45 Events were organized. A night show was held in OAT on 13th February 2015. Skit, Music and Fashion Show was held. Student participation in all the events was very encouraging. The two days were fully packed with schedule comprising of events from technical and cultural fields.
- Adding to the glamour of events Cultural Council also organized musical nights where a number of distinguished artists have performed in the campus. The big names in the list so far include Yaad Sheher fame Neelesh Mishra, Euphoria, Astitva Band, and fashion shows hosted by the reknowned fashion designers.
- In 2014-15 Clubs organized various events like play called 'Sipahi'. Adventure club held Cross-Country and sent a group for 8 days Adventure fest. Hindi Diwas was organized by Literary Club.
- Various teams from university have participated in national level competitions held at places across the country. Now moving a step ahead the teams are participating in international events at Manila, Phillipins and Texas, USA.



Chapter- 07

Financial Report

The summary report of the Budget vs. actual in 2014-15 and the budget for 2015-16 are given as under.

BUDGET Vs ACTUALS 2014-15 & BUDGET 2015-16					
A- Receipts				Rs. in Lac	
Head of Accounts	Actuals 2013-14	2014-15		Budget 2015-16	No. of Students
		Budget	Actuals		
01- INCOME					
101 REGISTRATION FEE	51.77	110.00	105.30	110.00	1100
102 ACADEMIC FEE	1,615.62	1,928.40	1,903.40	2,000.00	3000
103 HOSTEL FEE	678.00	964.20	853.41	960.00	3000
104 MESS RECEIPT	565.94	803.50	690.04	830.00	3000
105 SALE OF PROSPECTUS	83.38	50.00	38.06	90.00	
106 CAUTION MONEY	42.00	110.00	54.84	110.00	1100
107 EARNEST MONEY DEPOSIT	(13.69)	10.00	(55.39)	50.00	
108 INTEREST FROM BANKS	223.83	250.00	207.41	250.00	
109 RESEARCH PROJECTS	124.41	50.00	63.43	50.00	
110 OTHERS	106.80	75.00	117.29	50.00	
SUB TOTAL (A)	3,478.06	4,351.10	3,977.79	4,500.00	
02- GRANT					
201 NOIDA & GREATER NOIDA	2,300.00	10,275.72	2,000.00	10,300.00	
202 SCHOLARSHIP FROM UP GOVT.		-	-	-	-
SUB TOTAL (B)	2,300.00	10275.72	2000.00	10,300.00	
GROSS TOTAL (A+B)	5,778.06	14626.82	5977.79	14,800.00	
B- Payments				Rs. in Lac	
Head of Accounts	Actuals 2013-14	2014-15		Budget 2015-16	
		Budget	Actuals		
03- PAY & ALLOWANCES					
301 SALARY	1,528.48	2,202.58	1,575.33	2,304.80	
302 E. P. F.	172.26	234.22	185.11	237.00	
303 HONORARIUM	5.57	10.00	4.01	10.00	
304 MEDICAL REIMBURSEMENT	28.94	70.00	40.81	70.00	
305 CHILD EDUCATION REIMB.	-	60.00	-	60.00	
306 OTHER	2.63	10.00	-	5.00	
SUB TOTAL (C)	1,737.88	2,586.80	1,805.26	2,686.80	

Gautam Buddha University

Head of Accounts	Actuals 2013-14	2014-15		Budget 2015-16	
		Budget	Actuals		
04-STUDENTS WELFARE					
401 CULTURAL ACTIVITIES	8.98	30.00	23.19	30.00	
402 BADGES & KITS	-	35.00	-	35.00	
403 STUDENTS HEALTH CARE	-	52.52	0.30	55.00	
404 OTHERS	-	30.00	-	30.00	
405 SPORTS & ADVENTURE ACT.	2.06	45.00	-	45.00	
406 SEMESTER TOPPER AWARD	-	10.00	-	10.00	
407 GOLD MEDAL	-	10.00	-	10.00	
SUB TOTAL (D)	11.04	212.52	23.49	215.00	05-
ESTATE MAINTENANCE					
501 HOUSE KEEPING	825.63	1,000.00	1,072.86	1,200.00	
502 ELECTRICITY	841.66	1,050.00	1,026.54	1,050.00	
503 OTHER (ESTATE MAINT.)	-	1,000.00	-	1,050.00	
SUB TOTAL (E)	1,667.29	3,050.00	2,099.40	3,300.00	
06-ADMINISTRATIVE					
601 COMPUTER MAINTENANCE	-	40.00	-	40.00	
602 TRAVELLING ALLOWANCE	19.02	52.00	48.70	52.00	
603 INTERNET & WEBSITE	0.08	10.00	-	10.00	
604 TELEPHONE	26.45	30.00	26.44	30.00	
605 REFRESHMENT	10.38	15.00	12.72	15.00	
606 ADVERTISEMENT	156.33	250.00	124.01	250.00	
607 PRINTING & STATIONERY	16.50	75.00	30.66	75.00	
608 PROFESSIONAL	6.11	30.00	6.55	30.00	
609 REPAIR & MAINTENANCE O.E.	17.18	15.00	45.48	15.00	
610 SITTING FEE	2.06	25.00	11.05	25.00	
611 DISPENSARY	2.52	25.00	3.65	25.00	
612 POSTAGE	0.93	26.00	0.65	26.00	
613 NEWS PAPER & JOURNALS	1.47	5.00	0.98	5.00	
614 BANK CHARGES	0.31	2.00	0.24	2.00	
615 LEGAL	8.18	30.00	0.12	30.00	
616 AUDIT	-	40.00	-	40.00	
617 OTHERS ADMIN.	9.78	30.00	5.58	30.00	
SUB TOTAL (F)	277.30	700.00	316.83	700.00	
07- VEHICLE RUNNING EXPENSES					
701 VEHICLE MAINTENANCE	4.80	15.00	8.29	15.00	
702 VEHICLE FUEL	22.17	50.00	35.58	50.00	
703 VEHICLE INSURANCE	1.59	5.00	1.85	5.00	
SUB TOTAL (G)	28.56	70.00	45.72	70.00	



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Head of Accounts	Actuals 2013-14	2014-15		Budget 2015-16	
		Budget	Actuals		
08- ACADEMIC					
801 ABROAD STUDY (Scholarship)	-	-	-	-	
802 PROFESSIONAL DEVELOPMENT	5.05	50.00	3.52	100.00	
803 CONFERENCE & SEMINAR	4.53	100.00	9.71	121.00	
804 VISITING FACULTY	94.70	100.00	142.29	150.00	
805 MEMBERSHIP FEE	3.51	26.00	4.73	26.00	
806 LAB CONSUMABLES	51.64	150.00	20.21	150.00	
807 EXAMINATION	10.49	20.00	21.99	20.00	
808 RESERCH PROJECT	68.00	80.00	142.09	80.00	
809 SOFTWARE & LICENSES	14.96	320.00	14.32	320.00	
810 PLACEMENT	1.36	37.00	-	37.00	
811 FOREIGN VISIT	-	10.00	-	10.00	
812 CONFIDENTIAL	4.43	15.00	4.81	15.00	
813 MESS	476.42	803.50	582.94	830.00	
814 CAUTION MONEY REFUND	28.13	30.00	44.50	30.00	
815 OTHER (ACADEMIC)	1.00	1.00	0.40	1.00	
816 FIELD STUDY EXP.		10.00		10.00	
SUB TOTAL (H)	764.22	1752.50	991.51	1,900.00	
09- FIXED ASSETS					
901 FURNITURE & FIXTURES	1,226.98	2,650.00	1,042.72	2,650.00	
902 COMPUTER	83.14	100.00	3.33	100.00	
903 LIBRARY	6.57	250.00	82.82	250.00	
904 OFFICE EQUIPMENTS	8.90	50.00	12.12	60.00	
905 LAB EQUIPMENTS	12.50	3,000.00	489.22	3,000.00	
906 SPORTS ITEMS	32.19	100.00	13.51	100.00	
907 VEHICLES	-	50.00	0.28	50.00	
908 OTHERS	-	20.00	-	30.00	
909 MEDICAL EQUIPMENT	-	10.00	-	10.00	
SUB TOTAL (I)	1,370.28	6,230.00	1,644.00	6,250.00	
10- VC'S FUND					
1001 CONFIDENTIAL FUND	-	15.00	-	15.00	
1002 DISCRETIONARY FUND	5.40	10.00	-	10.00	
SUB TOTAL (J)	5.40	25.00	0.00	25.00	
G TOTAL (C+D+E+F+G+H+I+J)	5861.97	14626.82	6926.21	15146.80	
Closing Bal	(83.91)	-			

Notes

[illegible]





GAUTAM BUDDHA UNIVERSITY

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