



# 7<sup>th</sup> Annual Convocation



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# ABOUT GTU

Gujarat Technological University is a premier academic and research institution which has driven new ways of thinking and working, since its inception in 2007, by Government of Gujarat vide Gujarat Act No. 20 of 2007. Today, GTU is an intellectual destination that draws inspired scholars to its campus, keeping GTU at the nexus of ideas that challenge and change the world. GTU is a State University with 452 affiliated colleges operating across the state of Gujarat through its five zones at Ahmedabad, Gandhinagar, Vallabh Vidyanagar, Rajkot and Surat. The University caters to the fields of Engineering, Architecture, Management, Pharmacy and Computer Science. The University has about 4,00,000 students enrolled in a large number of Diploma, Under Graduate, Post Graduate programs along with the robust Doctoral program.

Our education empowers individuals to challenge conventional thinking in pursuit of original ideas. With a commitment to free and open inquiry, our scholars' work transforms the way we understand the world, advancing – and creating – fields of study.

The Vision, Mission statements and the Objectives it stands to fulfil are:

## **VISION**

To make Gujarat Technological University a World Class University.

## **MISSION**

Every single stakeholder of the University should find pleasure in working with GTU.

## **OBJECTIVES**

- i. Make our operations transparent and acceptable to all stakeholders.
- ii. To provide quality education, training, vocation and research facilities to our students.
- iii. To continuously organize and manage Faculty Development Programs (FDPs), Seminars and Conferences.
- iv. Affiliate and Coordinate with Colleges for an effective education delivery mechanism.
- v. Timely and efficient conduct of the Examination process.
- vi. To facilitate student's placements into suitable and meaningful careers and future of their choice.

GTU has emerged as an International Innovative University in its pursuit of bringing innovation and internationalization in professional education. Within a really short span it has achieved several national accolades for its endeavor in bringing excellence in professional education. GTU is a pioneer in introducing some innovative learning methodology like "Active Learning", a classroom created online. The GTU Innovation Council is the most active and applauded for its work in the country engaged in training, developing and nurturing the young minds towards an ideology to innovate. GTU has the largest International Experience Program in collaboration with the universities of US, Canada, Russia and Germany, which offer a unique opportunity to the students to enhance their capabilities and capacities in a global perspective. GTU's Research Week, a unique concept, is an evaluation process of dissertations of Master's and Doctoral Program students involving experts from the Universities

across the Globe. GTU's Contributor Personality Development Program, the Bridge Course and 100 point activity nurture the students with the essential life skills along with the technical knowledge to enable them develop as an individual and a successful professional in the competitive world. The Industrial Training and Placement Cell transforms a knowledge seeker into a sought after professional.

The Post Graduate Research Centres at GTU are actively involved and hosts several national and international conferences to bring together the academicians and industry experts on a single platform for the exchange of knowledge, experiences and best practices in their area of working. During the year 2017, GTU has partnered with leading industries like Bosch Rexroth, Keepsake Engineering Consultancy Private Limited and Messer Cutting Systems India Private Limited to encourage industry-academia knowledge exchange. This year we have made 17 associations with various institutions of national and international repute.

In accordance with the various guidelines GTU has constituted various cells to safeguard the rights of students and staff members.

In all GTU is driven to dig deeper, push further, and ask bigger questions – and to leverage the knowledge evolved to enrich all human life.

## From the Desk of Vice Chancellor



**Prof. (Dr.) Navin Sheth**

In the present globalized world Swami Vivekananda's following forethought for education is very relevant-

".... . Life is a series of fights and disillusionments. . . . The secret of life is not enjoyment, but education through experience. But, alas, we are called off the moment we begin really to learn. That seems to be a potent argument for a future existence. . . . Everywhere it is better to have a whirlwind come over the work. That clears the atmosphere and gives us a true insight into the nature of things. It is begun anew, but on adamant foundations. . . ." #

The education which does not help the common mass of people to equip themselves for the struggle for life, which does not bring out strength of character, a spirit of philanthropy, and the courage of a lion— is it worth of the name? Real education is that which enables one to stand on one's own legs \*

It gives me great pleasure to present Gujarat Technological University Report for 2017, my first year as Vice-Chancellor.

This has been a year of important progress for the University as we have been recognized as start –up initiators in the state. We completed the detailed planning of our future Strategy and commenced implementation, after a wide ranging consultation throughout the year in recruitment and commencement of new academic programs at Master's and research level i.e. creation of new education with focused career pathways.

GTU aims for improving and transforming lives through excellence in education and a commitment to promote innovations in learning processes, cultivate research & development culture, imbibe the principles of knowledge to wealth generation and bring about openness and flexibility in teaching and research framework. This can be achieved through fostering and adding to existing initiatives of Skill Development Centre and Design Innovation Centre which aligns with our vision of making Gujarat Technological University a World Class University.

This year we have made 17 associations with various institutions of national and international repute at the University. Dr Anuradha Ghokle, the Fulbright Specialist from Illinois State University also visited the University this year. Out of 15 teams present from pan India, GTU bagged two awards namely Dr. APJ Kalam award with a fund of 3 lakhs and GTU incubated start-up CPM Industries won 1.25 lakhs in the category of growth stage start-ups. Gujarat Technological University received Rs. 50 Lakhs for

launching Student Start-up Innovation Centre. This Centre will help students to develop prototype of their innovative project. The Centre will also provide financial help for patent filing.

The University has initiated two new centres of excellence in Welding- Keepsake Welding Research & Skill Development and Thermal Cutting & Welding, this year, with financial assistance from Centre for Entrepreneurship Development.

GTU recently hosted the Smart India Hackathon - 2017 for solving the challenges faced by our country in association with Gujarat University, as part of PM's Digital India Mission, and organized by Ministry of HRD and All India Council for Technical Education (AICTE). During the Smart India Hackathon - 2017, 303 teams applied from Gujarat from which 68 teams were selected for the final event. From amongst these 68 teams, 8 teams from GTU got final award under various categories held at 29 locations across the country. Government of Gujarat appreciated the efforts made in the direction of innovation and 8 teams were felicitated by Shri Bhupendrasinh Chudasama, Minister of Education on 10<sup>th</sup> April, 2017.

My thanks to all who have contributed to making 2017 such a successful and exciting year – our staff and students, those who take the responsibility of leadership roles across the University, our outstanding members of the Board of Governors, Members of the Academic Council members, Deans and Advisory Committees, our alumni and numerous other supporters.

- **Prof. (Dr.) Navin Sheth**

# Source- <http://www.swamivivekanandaquotes.org/2013/04/swami-vivekananda-quotes-on-education.html>

\*Source- <https://books.google.co.in/books?id=fplqDAAAQBAJ&pg=PT297&lpg=PT297&dq>

## Recognition & Award

GTU Innovation Council established four regional centres at Surat, Baroda, Rajkot and Ahmedabad to support Student Start-up and Innovation.

17 incubated Start-ups were approved for funding of Rs. 1.25 crore through Start-up Policy of the state.

GTU bags awards of Dr A P J Abdul Kalam Creativity and Innovation for supporting Start-ups at IISF 2017, Chennai.

Incubated Start-up, CPM Industries won award of Rs. 1.25 lakh under Growth Stage Start-up Category at IISF 2017- Chennai and was also one of the finalists invited to participate in GIF 2017 - South Korean Start-up Ecosystem being organized by CCEI Daegu, South Korea.

GTU Innovation Council received Rs. 50 lakh grant under SSIP program.

GTU Innovation Council received Excellence Award at National Student Start-up & Innovation Summit on 5<sup>th</sup> October 2017.

GTU Motorsport achieved overall first position at National level competition SUPRA SAE India, 2017.

GTU ROBOCON Team bagged 27th rank amongst 112 registered team in National level 'Robotics Competition'.

GTU Tinkers Team was selected amongst the best 35 teams for Mitsubishi Electric Cup 2018.

This year GTU was selected to organise 'Maiden West Zone Tournament of Hockey (Men and Women)'.

National Research Development Corporation (NRDC) has set up a GTU-NRDC-Innovation Facilitation Centre at GTU for Start-up & IPR awareness. Under this centre, GTU has received a grant of Rs 6,00,000/- from NRDC.

## Members of Board of Governors (BoG)

Sr. No.	Name	Designation
1	Prof. (Dr.) Navin Sheth, Vice Chancellor, GTU	Chairman
2	Smt. Anju Sharma, I.A.S. Principal Secretary (Higher & Technical Education) Colleges & Universities, Government of Gujarat	Ex-officio member
3	Shri K. K. Nirala, I.A.S. The Commissioner, Commissionerate of Technical Education, Government of Gujarat	Ex-officio member
4	Shri K B Upadhyay, I.A.S. The Commissioner, Commissionerate of Higher Education, Government of Gujarat	Ex-officio member
5	Shri Milind Torawane, I.A.S. Secretary (Expenditure), Finance Department, Government of Gujarat	Ex-officio member
6	Prof. (Dr.) C. N. Patel, Principal, Shri Sarvajanic Pharmacy College, Mehsana	Member
7	Prof. (Dr.) Rupesh Vasani, Director, SAL Technical Campus, Ahmedabad	Member
8	Shri Janak Khandwala, Managing Trustee, Universal College of Engineering and Technology and Executive Director, Sliver Oak College of Engineering & Technology, Ahmedabad	Member
9	Shri Amit Thaker, Director, Lokmanya College, Ahmedab ad	Member
10	Shri Parakramsinh Jadeja, CEO, Jyoti CNC Automation Ltd., Rajkot	Member
11	Shri Pramod Chaudhary, Managing Director, Pratibha Group, Gujarat	Member
12	Shri Rajubhai Shah, Managing Director, Harsha Engineering, Ahmedabad	Member
13	Dr. Pankajray Patel, Director, Graduate School of Management Studies, GTU	Member
14	Prof.(Dr.) S. D. Panchal, Registrar, GTU	Secretary

## Members of Academic Council (AC)

Sr. No.	Name	Designation
1	Prof. (Dr.) Navin Sheth , Vice Chancellor, GTU	Chairman
2	Prof. P.V.M.Rao , Professor & Head, Dept. of Design, IIT-Delhi	Member
3	Prof. Anil Wali, Managing Director, FITT, IIT-Delhi	Member
4	Dr, Unnat P. Pandit, Atal Innovation Mission, NITI Aayog, New Delhi	Member
5	Dr. Subodh P. Adesara, Former commissioner, FDCA, Gujarat	Member
6	Dr. R. K. Gajjar, Principal, Vishwakarma Government Engineering College, Chandkheda, Ahmedabad	Member
7	Dr. C. N. Patel, Principal, Shri Sarvajanik Pharmacy College, Mehsana	Member
8	Dr. Nilesh M. Bhatt, Principal, Gandhinagar Institute of Technology, Gandhinagar	Member
9	Dr. Sanjay Vij, Dean (Academics), Institute of Technology and Management Universe, Vadodara	Member
10	Dr. G. P. Vadodaria , Principal, L. D. College of Engineering, Ahmedabad	Member
11	Dr. Sachin Parikh , Professor - Chemical Engineering, L. D. College of Engineering, Ahmedabad	Member
12	Dr. Jayesh Deskar , Principal, VVP Engineering College, Rajkot	Member
13	Mr. B. V. Buddhadev, Professor, Government Engineering College, Gandhinagar	Member
14	Dr. P. P. Rathod, Professor, Government Engineering College, Bhuj	Member
15	Dr. S. N. Pandya, Professor, Lukhdhirji Engineering College, Morbi	Member
16	Dr. Rajesh Parikh , Director, Graduate School of Pharmacy, GTU	Member
17	Dr. Trupti Almoula , Director, Narmada College of Management, Bharuch	Member
18	Prof Ushma Anero, Principal, Govt. Polytechnic for Girls, Ahmedabad	Member
19	Prof. (Dr.) S. D. Panchal , Registrar, GTU	Secretary

## Members of Finance Committee (FC)

Sr. No.	Name	Designation
1	Prof. (Dr.) Navin Sheth , Vice Chancellor, GTU	Chairman
2	Shri H. F. Gandharva, Financial Advisor, Education Department	Ex-officio Member
3	Shri Amit Thaker, Director, Lokmanya College, Ahmedabad , Gujarat	Ex-officio Member
4	Prof.(Dr.) S. D. Panchal, Registrar, GTU	Secretary

## Deans

Sr. No.	Name	Branch
1	Dr. R. K. Gajjar	Master of Engineering & PhD
2	Dr. Nilesh M. Bhatt	Master of Engineering & PhD
3	Dr. Rupesh P. Vasani	Bachelor of Engineering
4	Dr. Sachin Parikh	Bachelor of Engineering
5	Dr. K. N. Mistry	Bachelor of Engineering
6	Dr. Indrajit N. Patel	Bachelor of Engineering
7	Dr. S. K. Vij	Master of Computer Applications
8	Dr. Anita A. Mehta	Pharmacy (UG And PG)
9	Dr. Tejal R. Gandhi	Pharmacy (UG And PG)
10	Dr. J. R. Chavda	Pharmacy (UG And PG)
11	Dr. C. N. Patel	Pharmacy (UG And PG)
12	Dr. Ashutosh K. Patel	Associate Dean
13	Dr. Dilip H. Ahir	Associate Dean
14	Dr. Atul Shantilal Shah	Associate Dean
15	Ms. Shital Shah	Associate Dean



# SCHOOLS

## Graduate School of Pharmacy

Gujarat Technological University started AICTE approved Master of Pharmacy in Pharmaceutical Regulatory Affairs course at, Graduate school of Pharmacy from Academic Year 2017 -18. Graduate School of Pharmacy at present operates from GTU-Gandhinagar campus. The course was commenced in the month of August 2017. Admission Process was carried out by ACPC.

The course on Pharmaceutical Regulatory Affairs aims at equipping students with current trends in regulations governing manufacturing, quality and distribution of pharmaceutical products in India as well as in other parts of the world. The course also deals with regulations related to drug discovery, testing of new chemical entities in animals, clinical trials and IPR.

### 1. Activities at GTU-Graduate School of Pharmacy

#### Navaratri Celebration in GTU Chandkheda campus:

Students of Graduate School of Pharmacy participated in Navaratri completion organized by GTU at Chandkheda campus on 27<sup>th</sup> September 2017.



#### Meeting of All India Board-Pharmacy Education (AIBPE) of AICTE at GTU- Graduate School of Pharmacy:

The Meeting was held on Friday, 13<sup>th</sup> October 2017. Dignitaries present in the meeting were Honourable Vice-Chancellor of GTU and Chairman of AIBPE Dr. N. R. Seth, Dean of GTU Pharmacy-Faculty Dr. C. N. Patel, Prof. Dr. V. Gopal, Deputy Drug Controller Mr. Arvind Kudreti, Gujarat Drug Manufacturers Association Member Dr. Shrenik Shah, Prof. Karan Vashishth, Madam Desouza, Dr. S. Y. Gabhe.



Group Photo of Members of AIBPE and Graduate School of Pharmacy

### Expert Lecture:

Dr. V. Gopal delivered an expert lecture on the topic “Pharmacy Profession: Yesterday, Today and Tomorrow” on 13<sup>th</sup> October 2017. The lecture was attended by the Faculty Members and students of Graduate School of Pharmacy.

### Diwali Celebration at GTU-Gandhinagar campus:

On 14<sup>th</sup> October 2017 Students of GTU-PG Schools celebrated the festival of lights-Diwali. Events organized include rangoli competition and seminar hall decoration. This celebration brought the life and cheerfulness in the campus making the campus alive.



### National Education Day:

The National education day was celebrated on 11<sup>th</sup> November 2017, to commemorate the birth anniversary of our first education minister of independent India, Maulana Abdul Kalam Azad. Graduate School of Pharmacy and Graduate School of Engineering and Technology organized an event, in which activities like poster presentation, poster making, extempore and speech competition were held.

## National Pharmacy Week 2017:

GTU-Graduate School of Pharmacy organized the function on 6<sup>th</sup> December 2017. Honourable Vice Chancellor of the University and distinguished pharmacist Dr. N. R. Sheth graced the function. He emphasised the importance of role of pharmacist in healthcare system. Students of Graduate School of Pharmacy explained the purpose of National Pharmacy Week and theme of the event "Know your Medicines-Ask your Pharmacist".



Prepared by:  
Dr. Rajesh Parikh  
Ms. Pathan Asmatbanu M.

## Graduate School of Management Studies

GTU has established the Graduate School of Management Studies and Centre for Global Business Studies (CGBS) has played a pivotal role in the establishment of GSMS.

### 1. Academic Courses

#### **Announcement of admissions to full time Master in Philosophy (M.Phil.) in Business Management:**

GSMS has introduced Masters in Philosophy (M. Phil) in Business Management from the current academic year. Course is designed with an objective of strengthening research orientation in the area of Business Management and to train the scholars in sequential research activities in the field of interest and thereby, induce in them the passion for research and development. For detailed guidelines of the course please visit <http://gtu.ac.in/uploads/M.%20Phil.%20Guidelines.pdf>

#### **Announcement of PG Diploma E-Course in Asian Business and Gandhian Philosophy for Managing Business (ABGP):**

Recognizing the Global Economic Changes that are happening since the last few years, Indo-East Asian Study Centre, GTU has announced P G Diploma E-Course on Asian Business & Gandhian

Philosophy for Managing Business (ABGP). This course is conducted through E-mode. For more details visit [http://files.gtu.ac.in/circulars/16Mar/16032016\\_04.pdf](http://files.gtu.ac.in/circulars/16Mar/16032016_04.pdf)

## 2. Global Country Study Report (GCSR)

Global Country Study Report (GCSR) is the largest program and unique initiative in India under which MBA students of GTU study foreign countries of the world every year to identify the bilateral trade opportunities. They undergo rigorous study of the country starting from the study of macro environmental factors in SEM – III and finally at the end of the year (SEM – IV) they prepare a business plan to establish a bilateral trade in specific product. In the current academic year 2017 - 18, MBA students and faculties are studying more than 85 countries.

### **GCSR Country Allocation:**

Based on the work done in GCSR 2016 -17 by the institutes as well as their number of students, CGBS has allocated the GCSR countries along with the states of India for academic year 2017-18 to all Institutes. For the list of the GCSR countries and states for the academic year 2017-18, visit <http://cgbpspr.gtu.ac.in/Admin/Uploads/GCSR%20Country%20Allocation%202017-18.pdf>.

### **Celebration of National/ Independence Days of GCSR Countries:**

CGBS has started a unique and one of its kind activities called National Day Celebration (NDC) at university campus with the objective of making the GCSR program more efficient and interesting. Under this exclusive program, National Days of 84 countries have been celebrated from August 2013 to November 2017.

National Day Celebration of Ecuador, Madagascar and Italy on 18th Feb. 2017 :

Faculty members and students of Shri Sunshine Education Trust Group of Institution – Rajkot, Shri Brahamanand Institute of Management - Junagadh and Shri Jairambhai Patel Institute of Business Management & Computer Application, Gandhinagar participated in the event at GTU. The dignitaries present at this occasion were Prof. Dr. Navin Sheth Hon'ble Vice Chancellor – GTU, Members of BOA – GCSR, H.E. Mr. Hector CuevaJacome; Consul General - Consulate General of Ecuador in Mumbai, Mrs. RAOLONA Danielle; Attache Financial Officer - Embassy of Madagascar, New Delhi, Mrs. RAMIANDRISOA Vololoniony - Attache in charge of Consular Affairs - Embassy of Madagascar, New Delhi and Mr. Jagat Shah; Foreign Representative of Govt. of Manitoba, Canada to India.



National Day Celebration of China, Kuwait, Bangladesh & Portugal on 18th March, 2017:

Faculty members and students of Sankalchand Patel College Of Engineering – Visnagar, Christ Institute of Management – Rajkot, Sal Institute of Management – Ahmedabad and L J Institute



of Management participated in the event at Gujarat Technological University. Prof. Dr. Navin Sheth Hon'ble Vice Chancellor – GTU, Members of BOA – GCSR, DrFeng C Lai – University of Oklahoma; USA, Dr. Shishir Shah – University of Houston; USA have participated as the esteemed Guest.

Visit <http://gsn.gtu.ac.in/article/2017/4/1/131355031410104937.pdf> for detail Report.

National Day Celebration of Belgium, USA, Canada and France on 18th November, 2017:

Faculty members and students of Shree H N Shukla College of Management Studies-Rajkot, CKSVIM- Vadodara, Chimanbhai Patel Institute of Management- Ahmedabad and Anand Institute of Management- Anand participated in the event at GTU. The dignitaries present at this occasion were Prof. Dr. Navin Sheth -Hon'ble Vice Chancellor, Mr. Sunil Joshi - Deputy Honorary Consul of Kingdom of Belgium to Gujarat, Ms. Bhagyesh Soneji - Chairperson, Gujarat Council-ASSOCHAM, Mr. Jagat Shah- Representative of Manitoba, Canada in India & Member-BOA, CGBS GTU, Mr. K H Patel, former Indian High Commissioner to Uganda, former Ambassador to Rwanda and Burundi & Member-BOA, CGBS GTU.

Designing of Syllabus for Management Courses:

GTU has formed syllabus committee to design new syllabus of Management courses. With the collaborative efforts of Director, Deputy Director – CGBS, Assistant Professors – CGBS, Section In-charge – MBA at GTU, selected professors of affiliated MBA institutes as well as other members of newly formed management syllabus committee, new syllabus of full time MBA and integrated MBA has been launched from academic year 2017-18 onwards. The committee has also worked on finalizing the syllabus of MBA (Part Time) and M. Phil in Business Management.

### 3. Research Initiatives

#### **Country profile of Twenty-Five African Countries:**

A brief profile of 25 African countries has been prepared covering Geographical, Economic and Political scenario of African countries. The country profile also provides overview of major industries, basic trade commodities, trade partners, EODB ranking and much more vital information required to business persons.

#### **Research Papers Published by Assistant Professors- CGBS:**

Bhatt K A & Srivastava S. (July-2017), "Transforming Indian Higher Education System from 3E (Enrolment-Examination-Evaluation) to 3C (Communicate-Collaborate-Create): Internationalization Initiatives Taken by Gujarat Technological University", International Journal for Innovative Research in Multidisciplinary Field, ISSN – 2455-0620, Volume - 3, Issue – 7, Impact Factor-5.60, Page No. 504-515.

Bhatt K A & Bhatt K K (April-2017), "Human Capital Management: A Study of Employees Working in Private Sector Insurance Companies of Gujarat", published in the book entitled "Contemporary Issues in Management", ISBN No. 978-81-8484-567-9, Page No. 34-47.

Dr. Kaushal Bhatt and Dr. Sarika Srivastava, Assistant Professors presented research paper on “Transforming Indian Higher Education System by Accelerating Cross Cultural Competencies: Internationalization Initiatives Taken by Gujarat Technological University” in “SIU-AIU Conference on Internationalization of Higher Education 2017 - The Changing Landscape of Internationalization of Higher Education” at Symbiosis International University, Pune (India). The paper was accepted for presentation after review. Honourable Vice Chancellor was also the co-author of the paper. The conference was organized jointly by the Association of Indian Universities (AIU) and the Symbiosis International University (SIU).

#### **4. Participation at Various Events**

##### **Workshop on QS University Rankings: BRICS 2018:**

QS (Quacquarelli Symonds) ranking based in London, UK has served as an international benchmark for comparing universities, helping millions of students. Governments and employers make informed decisions about higher education. The workshop focused on the methodology used in this ranking. The session provided privileged access to the results of the QS University Rankings: BRICS 2018, before it is made public, along with trend analysis and expert opinion. More than 50 Public and Private Universities have participated which includes IITs, NIITs, IIMs, IIIT. Dr Kaushal Bhatt – Assistant Professor, CGBS had represented GTU and GTU was the only University to participate from Gujarat.

##### **Representation at 4th FICCI Higher Education Excellence Awards 2017:**

GTU application was shortlisted for the second round of selection for the 4th FICCI Higher Education Excellence Awards 2017 under the Category University of the Year (less than 10 years). Dr. Pankajray Patel - Director and Dr. Sarika Srivastava- Assistant Professor represented GTU in the second round of higher education excellence awards at FICCI, Federation House, New Delhi.

##### **Breaking the Paradigm – Conference Organized by CII - Indian Women Network:**

Dr. Sarika Srivastava, Assistant Professor, GTU and Dr. Kaushal Bhatt, Assistant Professor, GTU participated in the Conference on “Breaking the Paradigm – Conference to engage, enable and empower women” organized by Confederation of Indian industry (CII) – Indian Women Network (IWN) on 19 August 2017 at Ahmedabad.

##### **HYOGO – KOBE Business Seminar at AMA:**

Ahmedabad Management Association has organized HYOGO – KOBE Business Seminar on November 1, 2017 in association with Indo-Japan Friendship Association, JETRO (Japan External Trade Organization), INDEXTb (Industrial Extension Bureau) and Japan Information and Study Centre in presence of Hon’ble Governor Mr. Toshizoldo of Hyogo Prefecture, Japan with a 35 Member delegation. The Seminar



facilitates excellent networking opportunities for Gujarat Business Entrepreneurs to collaborate with Japanese Business Leaders of Hyogo-Kobe. Dr Kaushal Bhatt represented GTU at the occasion.

#### **E-Newsletter – Global Study News Network (GSNN):**

CGBS has initiated an E- Newsletter, namely, 'Global Study News Network' in which world headlines and latest news on Africa, Asia, Oceania, North America and South America are updated on daily basis. It also highlights the current activities of the centre. For latest world news visit <http://gsn.gtu.ac.in/>

**Prepared by:**  
**Dr. Sarika Srivastava**  
**Dr. Kaushal Bhatt**  
**Dr. Pankajray Patel**  
**Mr. Keyur Darji**

## **Graduate School of Engineering and Technology**

Cyber security is an increasingly essential requirement for contemporary society and universal market. As per today's scenario people exist in a data-centric world, where information security is much needed to pervade every aspect of our lives. But the challenge to understand cyber gamble and provide effective and accessible security solution becomes harder as technology moves towards the trend which is known as call internet of things where the digital gadgets become more complex.

To fulfil the above said objective, Gujarat Technological University has started AICTE approved course Master of Engineering in Cyber Security, Graduate school of Engineering & Tec hnology from Academic Year 2017-18 in GTU, Gandhinagar campus. Graduate School of Engineering and Technology, Gandhinagar is one of the Engineering institutions which is established by Gujarat Technological University. The Master's Program was started on August 2017 with facilities to run Master's Degree Programs with specialization of Cyber Security in Computer Engineering. Under GTU's this is the first college which is providing the degree of Cyber Security.

#### **Brief about activities done at GTU-Graduate School of Engineering and Technology:**

##### **Swachhta Pakhwada:**

On the first fortnight of September i.e. from 1<sup>st</sup> September to 15<sup>th</sup> September 2017, in which the students of cyber Security have taken the pledge to keep the college clean and even participated in the event of cleaning the college clean by gardening and dusting the campus and planting the plants.



**Tree Plantation**



**Group efforts to maintain campus clean**



**Pledge to keep the campus clean**

### **One day workshop on “Cyber Challenges” in GTU- PG School:**

An expert session by SYNJ INTEL SERVICES AND SOLUTION was organized by School of Engineering and Technology on 22<sup>nd</sup> September, 2017. In this expert session the speakers were Mr. Kushank Gohil, Mr. Sujit, and Mr. Ashish Jha. They had explained about the topics like types of Hacker, Different government organization which are currently working in the direction of Cyber Security, Osint, Maltego, Recon-NG, SQL Injection GUI and Overview of TOR.

### **Navratri Celebration in Gujarat Technological University:**

Gujarat Technological University has organized a Navratri Competition in Chandkheda campus as a joint venture on 27<sup>th</sup> September, 2017. The students of GTU PG School, Gandhinagar campus have participated in this event and won the prizes. The first prize was won by Naresh Kumar, whereas the first runner up and second runner up were Dixit Prajapati and Chetan Solanki respectively.



**Group photo with all experts SYNJ company**



**Workshop on Cyber Challenges**

### **Diwali Celebration in GTU-PG School Gandhinagar campus:**

On 14<sup>th</sup> of October, 2017 Students of GTU-PG School have celebrated the festival of lights. Diwali celebration in campus. In this celebration, the events like rangoli competition and seminar hall decoration were there. This celebration brought the life and cheerfulness in the campus making the campus alive.



### **The National Education Day:**

The National education day was celebrated on 11<sup>th</sup> November 2017, to commemorate the birth anniversary of our first education minister of independent India, Maulana Abdul Kalam Azad . In this event the activities like poster presentation, poster making, extempore and speech competition were held in the college campus.

**Prepared by:**  
**Mr. Richa Sharma**  
**Mr. Rutika Ghariya**  
**Mr. Deepak Upadhyay**

## SECTION REPORTS

### Diploma Programme

#### Diploma Engineering:

Many new initiatives were taken during in Academic year 2016-17 in Diploma Engineering Section of GTU. New Diploma Engineering institutes started this year and more than 38,540 students have been enrolled.

In accordance with the revision in curriculum started from academic year 2015-16, new syllabus up to Semesters VIII is already designed and implemented. Two new diploma courses namely diploma in agriculture engineering and diploma in aeronautical engineering have been stated. Diploma section has put in the required efforts to conduct the examination of new syllabus subjects smoothly. Also modified question paper format is made applicable in synchronization with updating in the syllabus.

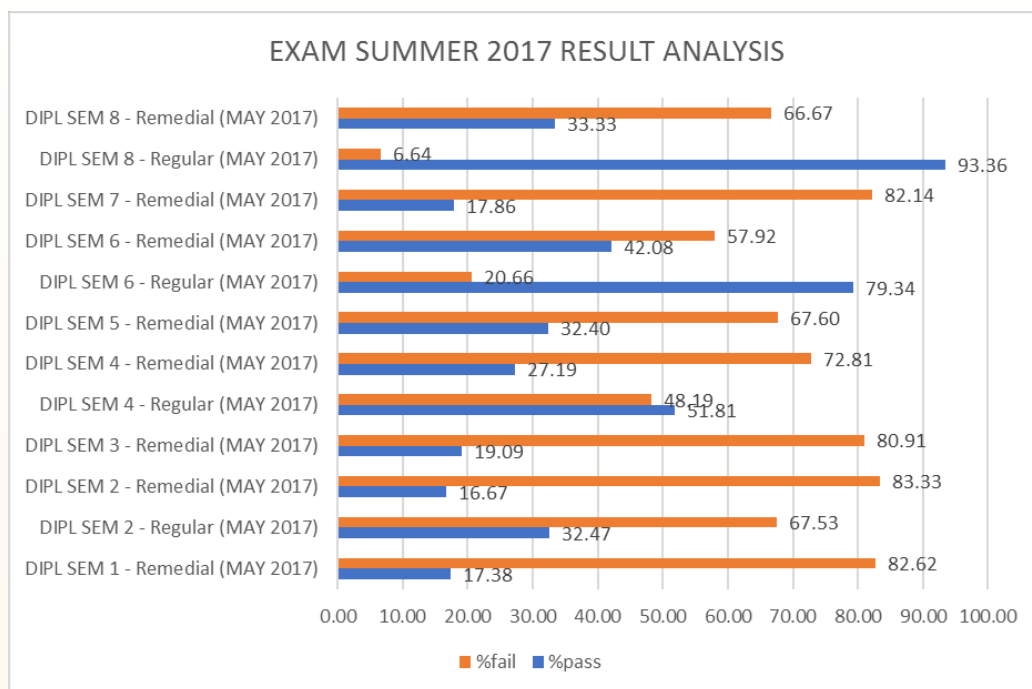
In addition, Diploma Section has made necessary arrangements to conduct the examination of BRIDGE course subjects offered to the students laterally admitted to Semester III of Diploma Engineering by C2D (certificate to diploma) mode.

Diploma Section facilitated the regular and remedial exam of the odd and even semester in summer and winter session of this year. The data of completed exam related result is as below:

Semester	Summer 2017 Exam total No. of Students
1	36722
2	66519
3	34814
4	42869
5	14221
6	30212
7	56
8	265

#### Diploma Pharmacy:

Gujarat Technological University have started Diploma Pharmacy (D. Pharm) course from 2008. It is a two years Diploma course which is available for students after 10+2 (science stream). This course is offered at 9 institutes within Gujarat.



**Number of Diploma Pharmacy colleges affiliated with GTU: 09 colleges**

**Admission status in D. Pharm (During This Year) :**

Sr. No.	Year	No. of Students Enrolled
1	2017-2018	427

**Prepared by:  
Prof. Kshama Shah**

## Under graduate Programmes

**B.E., P.D.D.C., B.Arch., B.H.M.C.T., B. Plan**

GTU offers following undergraduate programs related to engineering, architecture, hotel management, planning.

Sr. No.	Undergraduate Programs	No. of Semester	Duration
1.	Bachelor of Engineering (B.E.)	8 Semesters	4 years
2.	Post Diploma Degree Course (P.D.D.C.)	8 Semesters	4 years
3.	Bachelor of Architecture (B. Arch.)	10 Semesters	5 years
4.	Bachelor of Hotel Management & Catering Technology (B.H.M.C.T.)	8 Semesters	4 years
5.	Bachelor of Planning (B. Plan)	8 Semesters	4 years

As per latest status 124 colleges of BE, 3 colleges of PDDC, 11 colleges of B.Arch., 2 colleges of B.HMCT and 3 colleges of B.Plan. are affiliated with GTU.

The first batch of students was enrolled in the year of 2008 under GTU. There are 40 different branches in which Bachelor of Engineering degree is awarded to students. In this convocation, degree is awarded to eligible students who were enrolled in the year of 2013 and successfully passed out from the course in the year of 2017.

From the academic year 2013-14, new curriculum is designed by GTU for all branches of Bachelor of Engineering. In this new curriculum, more weightage is given on practical work done by students and their involvement in the design of engineering process. In every branch, wide range of elective subjects is offered so that a student is motivated to opt for subject of his/her interest.

The evaluation process of GTU is well balanced between theory and practical. The students of last two years of Bachelor of Engineering are evaluated by examiners other than parent institutes in form of *viva* so that the methodology adopted by teachers can be exchanged between the colleges. GTU is giving freedom to the teachers so that they can apply their own methods for evaluation (i.e. group discussion, model preparation and presentation, MCQ type exam, project development) of students.

In the external theory examination of summer 2017, E-Assessment system was applied in all semesters of B.E., PDDC, B.Arch., B.HMCT. and B.Plan. We also have a unique concept of online viewing of answer books for the students of all semester of B.E, PDDC, B.Arch., B.HMCT and B.Plan. Students can view their evaluated answer sheet online in which E-Assessment is implemented after declaration of their result.

Student of SAL Engineering College, Mr. Nirbhay D. Thacker, enrolled in fast Track BE has cleared his Bachelor of Engineering in electrical Branch within 1 Year with CGPA of 8.23 in Nov-2017.

### **B. Pharm**

Gujarat Technological University have started Bachelor of Pharmacy (B. Pharm) course from 2008. It is a four year Under Graduate Degree course approved by AICTE. This under graduate course is running in 59 different institutes within Gujarat.

**Number of B. Pharm colleges affiliated with GTU: 59 colleges**

**Admission status in B. Pharm (During last three Academic Years) :**

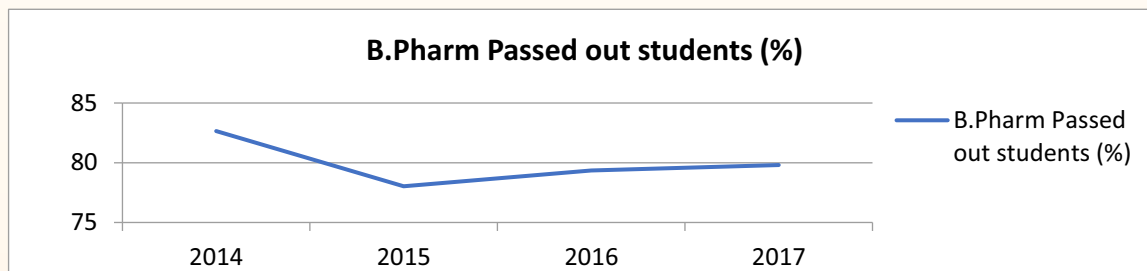
Sr. No.	Academic Year	Number of students Enrolled		
		Semester - I	Semester – III (D2D)	Total
1	2013-2014	1835	39	1874
2	2014-2015	2139	55	2194
3	2015-2016	2563	48	2611
4	2016-2017	2825	58	2883
5	2017-2018	3133	69	3202

### Number of B. Pharm graduating from GTU (During last three years):

Sr. No.	Exam	B. Pharm. (Final Semester) Result Data		
		No. of Students Appeared	No. of Students Passed	Pass %
1	May-2014	2404	1987	82.65
2	May-2015	1657	1293	78.03
3	May-2016	2174	1725	79.35
4	May-2017	1372	1095	79.81

### Unique features of B. Pharm Course:

GTU also provide placement assistance to final semester B. Pharm students by way of organizing “Centralized Placement Fair of Pharmacy”.



**Prepared by:**  
**Ms. Khushbu Batavia**  
**Mr. Vagmin Joshi**  
**Ms. Jignasha Acharya**  
**Mr. Hemal Nayak**

# Post Graduate Programmes

## Master in Business Administration (MBA)

Gujarat Technological University (GTU) has been established in the year 2007. GTU started offering Master of Business Administration (MBA) from the academic year 2009-10, since then all SFIs (Self-Finance Institutes) offering MBA in Gujarat State are affiliated to GTU. Currently, more than 60 colleges (SFIs) affiliated to GTU offers MBA Degree Course, which is approved by AICTE. From the academic year 2012-13, GTU started offering Five Years Integrated Management Programme called as M.B.A.-I (MASTER OF BUSINESS ADMINISTRATION - Integrated) by AICTE. Currently, more than 15 colleges (SFIs) affiliated to GTU offers MBA (Integrated), which is approved by AICTE.

As per the University policy, syllabus of the course is reviewed by deans, industry experts, experienced faculty members, and eminent academicians from reputed institutes in India and abroad. From the academic year 2017 GTU started offering its new MBA programme through its affiliated colleges. The course curriculum and syllabus for MBA of Gujarat Technological University are devised considering the norms of AICTE/ UGC. While preparing the syllabus, the syllabi of different national level universities/institutions have been reviewed. This syllabus has endeavoured to strike a balance between theory and practice along with classic and contemporary concepts. GTU revised its MBA programme syllabus for the 3<sup>rd</sup> time and the updated syllabus offered to MBA aspirants from the Academic year 2017-18 is available online on: <http://www.gtu.ac.in/syllabus.aspx?STypeld=6&SType=MBA>.

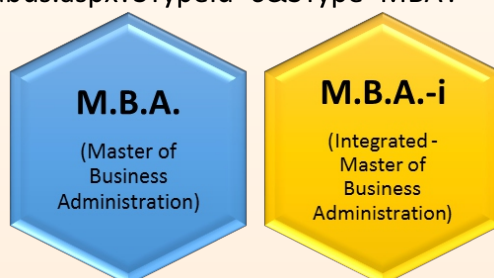


Figure 1: Programmes in Business Management by GTU.

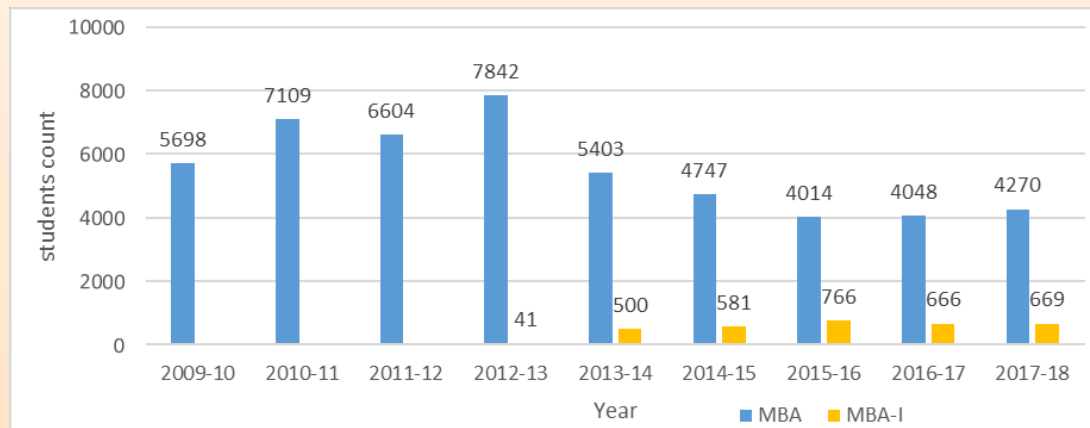


Chart: 1 MBA and MBA-I Year Wise Enrollment of Students

PG Course in Management				
Course	Academic year	Total Enrolled Student		Total Pass Out Students
MBA (4-Semesters)	2009-10	5698		-
	2010-11	7109		3498
	2011-12	6604		6049
	2012-13	7842		5119
	2013-14	5403		5318
	2014-15	4747		3160
	2015-16	4014		3456
	2016-17	4048		2896
	2017-18	4270		-
MBA-Integrated (10-Semesters)	2012-13	41		-
	2013-14	500		-
	2014-15	581		28
	2015-16	766		253
	2016-17	666		47
	2017-18	669		

Table 1 Academic Year Wise Student Statistics in Management Courses

#### Master of Business Administration (MBA) Programme:

Currently, more than 60 colleges affiliated to GTU and approved by AICTE offers MBA programme. The MBA programme of Gujarat Technological University (GTU) is conducted on a semester basis with four semesters spread over two academic years. The duration of each semester will be around 15 weeks. In each semester, there are seven courses/subjects. In the first year all 17 courses are compulsory. From the second year onwards, there will be three types of courses, namely, compulsory, electives and specialization. Currently, GTU MBA programme offers ten Functional Area Specialization namely; Marketing Management (MM), Finance Management (FM), Human Resource Management (HRM), Information System Management (ISM), International Business Management (IB), Banking & Insurance (B&I), Rural and Agro-based Management (RAM), Asian Business (Immersion Study), Sustainable Global Businesses (immersion study), Entrepreneurship and Family Business (EFB). A student can choose any one of the ten specializations. There are six sectorial specialization areas, namely; International Business (IB), New Enterprise and Innovation Management (NE&IM), Quality Management (QM), Corporate Taxation (CT), Financial Planning (FP), Gandhian Philosophy for Managing Business (GPMB). A candidate has to opt for one of the sectorial electives. In each semester of the second year there will be two compulsory subjects, three specialization subjects and one sectorial elective subject, thus making a total of four compulsory subjects, six specialization subjects and two sectorial elective subjects in the second year. Once a student opts for a particular functional area specialization in semester III, he/she will continue the same in semester IV. For Full Syllabus Refer:

[http://www.gtu.ac.in/syllabus/SchemeSubjectCode/NEW%20MBA/MBA\\_Sem\\_III\\_2013-14.pdf](http://www.gtu.ac.in/syllabus/SchemeSubjectCode/NEW%20MBA/MBA_Sem_III_2013-14.pdf)

The below given figure highlights major curriculum and specialization innovations of GTU's Global MBA programme:

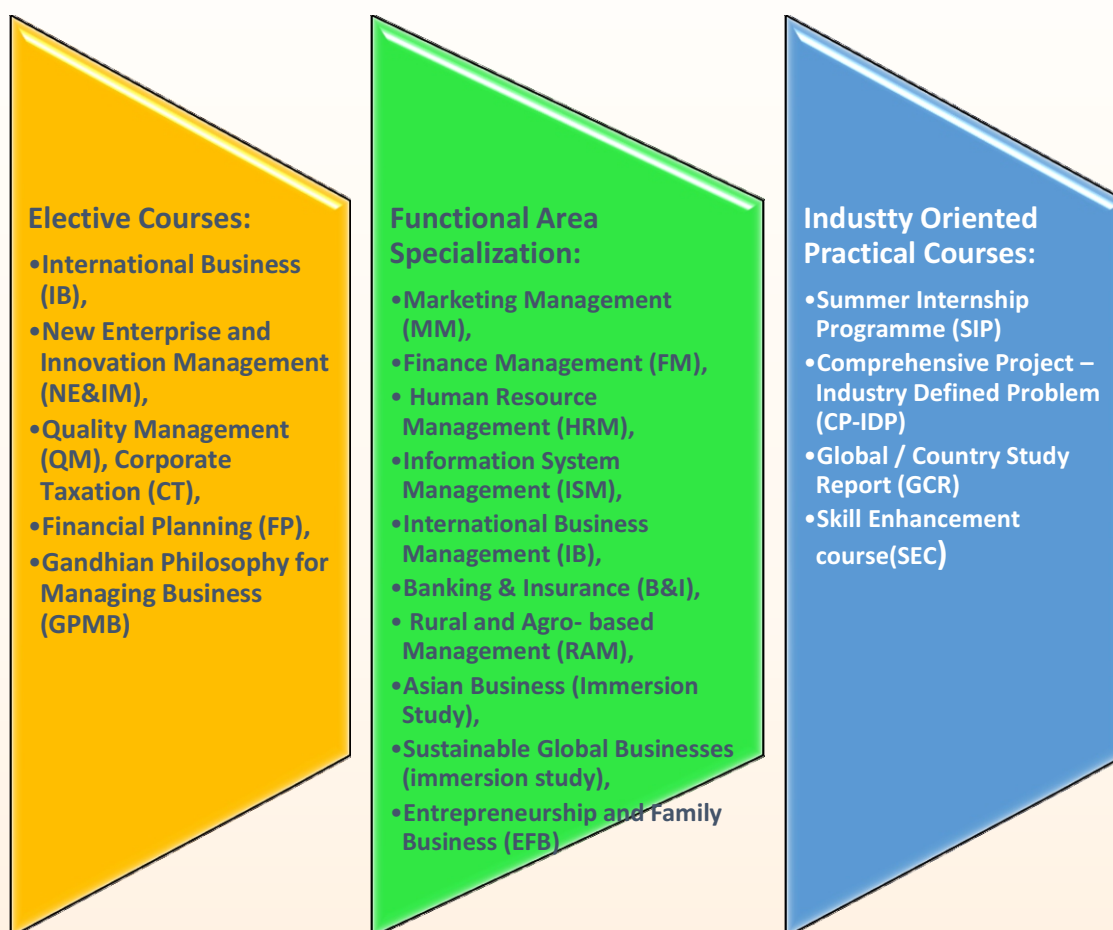


Figure 2: Highlights of GTU Global MBA programme

#### **5-Years Integrated Management Course (M.B.A. -Integrated) Approved by AICTE:**

MBA-INTEGRATED is a 5 years Integrated Management Course called MASTER OF BUSINESS ADMINISTRATION (M.B.A-I) by AICTE. It is designed for high school students (H.S.C.) with Science, Commerce and Arts (Computer or Statistics). In the current academic year 2017-18, more than 15 affiliated institutes of G.T.U. offers this course.

**Prepared By:**  
**Dr. Ritesh K. Patel**



## Master in Computer Application (MCA)

There are approx. 1750 students in 37 MCA institutes enrolled in academic year 2017. Syllabus for MCA semester 1 and 5 were reviewed by expert faculties of the syllabus committee appointed by the University and new syllabus has been implemented from June 2017. During the IEP (International Experience Program), MCA students had visited Canada for their project in the year 2017.

### MCA Integrated

MCA Integrated course is the 5 years integrated computer application course. Approximately 295 students enrolled in academic year 2017 at the 7 affiliated institutes.

### MCA and MCA Integrated Statistics

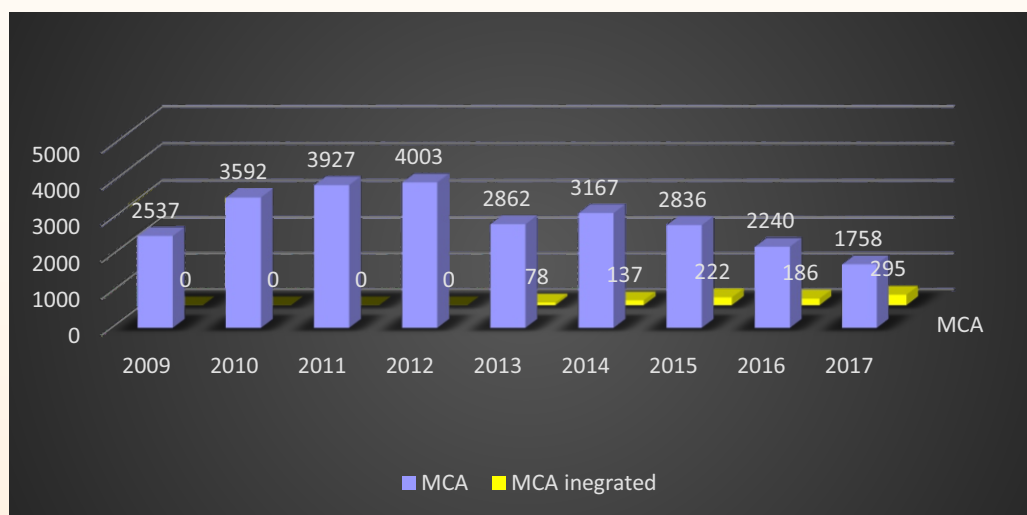


Figure –1: Students' Enrolment

Prepared by:  
Ms. Jennifer R. Macwan

## Master of Engineering (M.E.)

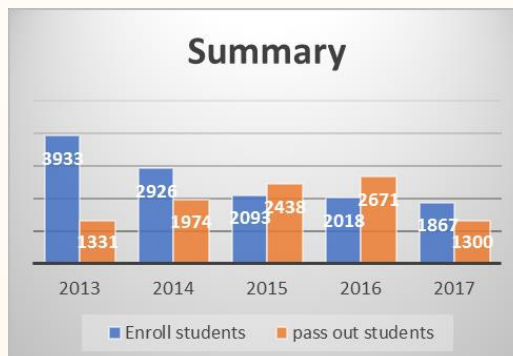
Throughout history, there have been many prominent engineers and inventors who have changed the way people live through their creations and innovations. To contribute more for the human and society Gujarat Technological University offers huge variety in postgraduate courses within engineering, offering a range of highly specialized courses designed to produce experts in the various field. Master of Engineering department at GTU always tries to improve the process of shaping opinion, attitudes and Idea of the students.

GTU offers Post Graduation programs in field of Engineering. 68 affiliated colleges of the University are offering Master of Engineering program in various discipline. GTU offers Master's Degree in 40+ branches of Engineering after merging the branch.

In the academic year 2017-18, GTU has started the PG department with the course namely “Master of Engineering in Cyber Security” at School of Engineering and Technology to cater the need of cyber solutions and to explore new dimensions in cyber field. This year GTU has enrolled total 1867 students in first semester in different affiliated institutes. In Master of Engineering, wide varieties of Major and Interdisciplinary electives are offered through which students are benefited.

#### M.E students Total enrolled and passed out Scenario. (Last Five years):

Year	Enrolled	Pass out
2013	3933	1331
2014	2926	1974
2015	2093	2438
2016	2018	2671
2017	1867	1300



#### Glimpse of Research week – 2017:

Workshops by International & National Experts during Research week:

In ME, practical exams are conducted at Chandkheda campus centrally in 3<sup>rd</sup> and 4<sup>th</sup> semesters. This project is divided in three parts in two semesters as DP-I, Mid SEM Review and DP-II. Mid SEM review is specially organized at GTU in which the experts of academic and industrial field from all over India and from abroad are invited. Research week where series of expert talks and workshops are conducted along with viva for the students by the invited experts of all over India and abroad.

As part of Research week, like every year GTU has arranged workshops for the Mater students and Ph.D. Scholars by national and International experts invited during the Research week. This year GTU has scheduled 39 workshops from various International and National experts for students and faculties of GTU.

Sr. No.	Branch Name	Count
1	Computer Science/Computer Engineering/IT	07
2	Electrical Engineering	05
3	Electronics and Communication Engineering	08
4	Textile Engineering	01
5	Mechanical Engineering	10
6	Civil Engineering	07
7	Common for all branches	01
	<b>Total</b>	<b>39</b>

Prepared By:  
Dr. Krishnaba Vaghela

## Master of Pharmacy (M. Pharm.)

Gujarat Technological University has started Master of Pharmacy (M. Pharm.) from 2009. It is a Post Graduate Degree course after B.Pharm. (Bachelor in Pharmacy). The course consists of 4 semesters (2 semesters in a year). This post graduate course is running in 35 different institutes within Gujarat. M. Pharm course is offering 25 different branches.

**Number of M. Pharm colleges affiliated with GTU:** 59 colleges

**Current Branches in M. Pharm:**

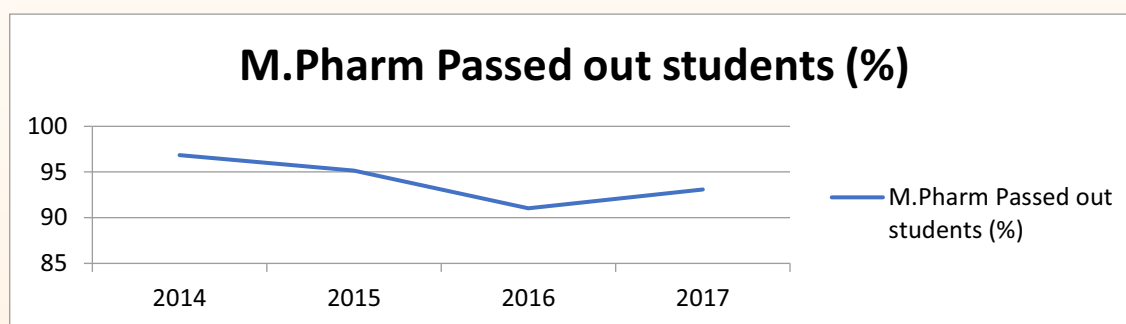
Branch Code	Branch Name
01	Pharmaceutical Chemistry
02	Pharmaceutical Technology and Pharmaceutics
03	Pharmacology
04	Quality Assurance
05	Pharmacognosy
06	Clinical Pharmacy
07	Pharmaceutical Analysis
08	Pharmaceutics
09	Pharmaceutical Quality Assurance
10	Pharmaceutical Technology
11	Pharmacology and Toxicology
12	Industrial Pharmacy
13	Quality Assurance Technique
14	Medical Chemistry
15	Quality Assurance and Farm Regulatory Affairs
16	Pharmaceutical Management and Regulatory Affairs
20	Pharmaceutics
21	Industrial Pharmacy
22	Pharmaceutical Chemistry
23	Pharmaceutical Analysis
24	Pharmaceutical Quality Assurance
25	Pharmacology
26	Pharmacognosy
27	Pharmaceutical Regulatory Affairs
28	Pharmaceutical Technology
29	Clinical Pharmacy

### Admission in M. Pharm. (During Last 3 Academic Years):

Sr. No.	Year	No. of Students Enrolled
1	2014-2015	819
2	2015-2016	545
3	2016-2017	537
4	2017-2018	424

### Number of M. Pharm graduating from GTU (In last three years):

Sr. No.	Year	No. of students appeared	No. of students Pass	Pass%
1	May – 2014	1589	1539	96.85
2	May – 2015	1051	1000	95.15
3	May – 2016	770	701	91.03
4	May - 2017	434	404	93.09



### Unique features of M. Pharm Section:

M. Pharm section of GTU is organizing 3 Tire Examination System for M. Pharm. (Semester III & IV) Students to see that each M. Pharm project should be unique and useful:

Tyre-1: Centralized examination of M. Pharm (Semester III) students for their “Introduction to Dissertation”

Tyre-2: Centralized examination of M. Pharm (Semester IV) students during mid of their semester to check their progress (Research Week).

Tyre-3: Centralized examination of M. Pharm (Semester IV) students during their Final dissertation to check their final output.

To increase novelty component in research projects, M. Pharm section of GTU has introduced “Patent Search & Analysis Report (PSAR)” as a part of syllabus of M. Pharm (Semester-III) students, wherein each student has to study five patents related to their topic and accordingly differentiate their project with related patents.

To overcome issue of plagiarism, M. Pharm section of GTU has also introduced anti-plagiarism search to all M. Pharm (Semester-IV) students, wherein they have to carry out search and submit their reports along with thesis.

Placement assistance for Pharmacy students:

GTU has started organizing Centralized Placement Fair for Pharmacy students from April 2014. So far five (05) Centralized placement fairs have been organized and more than 1000 students of B. Pharm and M. Pharm have been offered jobs during these fairs.

### **Pharm. D.**

Gujarat Technological University has started Pharm. D Course from 2015. Pharm. D course is a of 6 years duration program after 10+2 (science stream) which includes 5years of academic study + 1 year of internship. This course is offered at four institutes within Gujarat.

**Number of Pharm.D. colleges affiliated with GTU:** 04 colleges

**Admission in Pharm.D. (During Last 3 Academic Years):**

Sr. No.	Year	No. of Students Enrolled
1	2015-2016	30
2	2016-2017	NA
3	2017-2018	115

**Prepared by:  
Mr. Hemal Nayak**

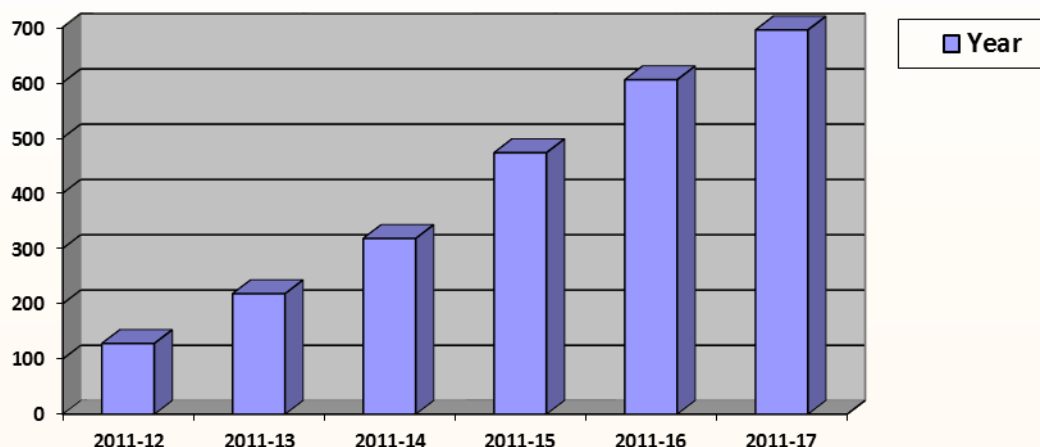
## **Doctor of Philosophy (Ph.D.) Programme**

Gujarat Technological University started the PhD Program in Academic Year 2011 and is involved in all activities of enrolled students starting from their admission till the issue of final notification for the award of their degree and matters related to Supervisors, Co-Supervisor & DPC Members.

The section works towards admission, enrolment, arrangement of coursework classes, allocation of DPC Members, coursework examination, DPC review conduction, processing of Open seminars, processing for Synopsis & Thesis and handles related activities for conduct of Public Viva-Voce examination with the help of other sections of the University.

The section also works towards making arrangement for conducting various meeting for recognition of Supervisors, appointment of DPC members and other related issues.

Total number of research scholars presently enrolled in the GTU's PhD Program presently are presented below. Figures of enrolled students are cumulative.



In the year 2017:

43 Notifications for the award of PhD Degree were issued by the University till date.

57 Supervisors were recognized by the University till Nov. 2017 in various disciplines of Engineering, Management, Pharmacy and Computer Science.

GTU has extended its Co-Supervisor program world over and presently has 65 Co-Supervisors associated with it working at premier institutes located across countries like U.S.A., Canada, Poland and China.

To provide an interacting platform for our Supervisors and research scholars the University organizes research week annually wherein our scholars are review by invited experts working at various premier national and international institutes. During the Research Week 2017, seven workshops were conducted by International experts at the University.

560 applications were received by the University for Admission to the PhD programme in the current academic year under two categories namely regular and faculties with 15 or more years of experience. Entrance examination for the same was held in the month of October 2017 and Research Proposal Presentation Round for 374 eligible candidates is being conducted presently.

The University has introduced the paper of Research Methodology comprising of 50 questions in the PhD Entrance Examination from the year 2016 in accordance with UGC Regulations 2016.

New guidelines for recognition of Supervisors and Teaching scheme in accordance with UGC Regulations 2016 were processed by the Section.

Format for extension of PhD registration, format for extension of Synopsis and thesis submission, format for general application format and format for refund of deposited caution money were developed by the section for ease of processing

## Academic

Academic section organises Academic Council meetings for the maintenance and improvement of standards of instruction, education and evaluation in various courses of GTU and formulations of regulations for academic functioning of GTU. Academic Section also initiates syllabus formulation and revises it according to the need of current trends as well as industry requirements. Academic section plays a major role in important decisions related to enrolment, institute transfer, university transfer, cancel, term extension and conferment of degree. The statistical details regarding various activities of the section is given below.

### No. of students enrolled in Diploma/ Degree/ Post Graduate/Ph.D. Courses

Sr. No.	Courses	A.Y. 2017 -18
1.	BE Regular	25525
2.	BE D2D	11772
3.	PDDC	317
4.	Diploma Regular	36557
5.	Diploma C2D	1983
6.	Diploma Pharmacy	427
7.	ME	1867
8.	B Pharm Regular	3135
9.	B. Pharm D2D	69
10.	M Pharm	424
11.	MBA	4292
12.	MBA Integrated	669
13.	MCA Regular	455
14.	MCA Lateral	1358
15.	MCA Integrated	295
16.	B. Arch.	208
17.	B. Plan.	-
18.	B. HMCT.	75
19.	Pharm. D	115
20.	B. Interior Des.	02
21.	Ph.D.	90*

(\*Data for 2016 admissions)

### Institute Transfer during Academic Year 2017 -18 (Odd semester)

Course	Total No. of Applications	Transferred in Odd Semester
Diploma	107	102
BE	1030	915
B. Pharm.	22	20
M. Pharm	1	1
MBA	4	4
Integrated MBA	8	7
MCA	4	4
Integrated MCA	1	1
B Arch/B Plan	4	4

### University Transfer during Academic Year 2017 -18

Course	Total No. of Applications	Transferred
BE	12	9
Diploma	1	1
B. Arch.	4	4

### No. of students to be conferred degree/diploma against previous year

Sr. No.	Course	Previous Year	Present Year
1.	BE	44161	42313
2.	BHMCT	25	16
3.	B. Pharm.	1758	1141
4.	D. Arch.	32	24
5.	Integrated	202	47
6.	MBA	3454	2897
7.	MCA	2540	1526
8.	ME	2480	1300
9.	M. Pharm.	710	405
10.	PDDC	114	193
11.	Ph.D.	12	43
12.	Diploma	29332	19121
13.	D. Pharm.	195	157
14.	B. Arch.	-	60



## Term Extension during Academic Year 2017-18

Course	Regular Term Extension	Special Term Extension*	Total
BE	889	455	1344
B Pharm.	43	21	64
Diploma	7981	5213	13194
Dip. Pharm.	0	150	150
MBA	290	644	934
MCA	601	360	961
ME	117	164	281
M. Pharm.	3	6	9
PDDC	16	0	16
<b>Total</b>	<b>9940</b>	<b>7013</b>	<b>16953</b>

(\*As per resolution of Academic Council)

### Important resolutions made in Academic Council Meetings since 6th Convocation:

#### Extension of Enrolment Validity:

Academic Council approved to give special extension to (I) those students who's all the terms are granted and only examination is left by allowing to appear for Winter 2017 and Summer 2018 examinations and (II) those students whose all terms are not granted will be given one more and last chance to complete their studies. Such students will be given chance as per the remaining year(s) of study.

Council also approved the revoking of the cancellation of the Enrolment number of those students whose (i) validity of the Enrolment number has not yet expired as per Notification No. 01/2012 dated 13.04.2012 and (ii) whose status was not 'detained' on the day of cancellation of the Enrollment number by GTU to continue their studies from academic year 2017-18 onwards.

#### Changes in University Examination & Medal winner rules:

Academic Council resolves that MCQ/ short questions/ or any other question carrying 1 mark should not be included in the question papers in all the subjects in all the Semesters of BE except 1st Year of BE. For the 2nd, 3rd and 4th year the MCQ/ short questions need to be replaced by questions which are not less than 3 marks. Academic Council also suggested that a line to be included in the order for the paper setter as undertaking for (i) inclusion of questions as per the weightage of the modules specified in the syllabus and (ii) questions have been asked based on Bloom's Taxonomy.

Medal winner will be decided on the bases of external theory marks' percentage. Medal must be awarded to only that student who is throughout pass.

### **New Courses Introduced:**

The post Graduate Courses named Pharmaceutical Regulatory affairs and Computer (Cyber Security) started at GTU Graduate school of Pharmacy and Graduate school of Engineering respectively from the Academic year 2017-18.

The post graduate (M.E.) course in (i) Mobile Communication and Network Technology, (ii) Aeronautics, (iii) Infrastructure Engineering & (iv) Remote Sensing and GIS and (i) MBA in International Business will be started at GTU affiliated institutes.

GTU gave approval to start undergraduate course (B.E.) in Robotics and Automation, Bachelor in Interior Design and B. Pharm (Practise) at its affiliated institutes.

Academic Council also approved (i) PG diploma in Digital Marketing and (ii) Certificate course in Ecommerce Graduate School of Management Studies and (iii) Certificate course in Wireless Networking through Mobile Computing & Wireless Technology.

Council approves to offer the subject of Mathematics to the students of Diploma Architecture and Diploma Architecture Assistantship as Bridge Course to enable them to be eligible for applying for admission in the course of B. Arch. Council also approved to introduce Physics, Chemistry and Maths as supplementary subjects in the syllabus of Diploma Architecture and Diploma Architecture Assistantship.

### **Changes in Syllabus:**

GTU has in the academic year 2017-18 introduced revised syllabus in the subjects of B. Pharm. (1<sup>st</sup> and 2<sup>nd</sup> semester), M. Pharm. (1<sup>st</sup> and 2<sup>nd</sup> semester) MCA (All Semesters), Integrated MCA (9<sup>th</sup> & 10<sup>th</sup> Sem.), MBA (1<sup>st</sup> and 2<sup>nd</sup> semester), Integrated MBA (1<sup>st</sup> and 2<sup>nd</sup> semester), and B. Plan (5<sup>th</sup> and 6<sup>th</sup> Sem.)

### **Mid-Year Degree/Diploma Certificate distribution:**

The Council approved to confer mid-year Degree/Diploma certificates to 8313 students as per their respective course.

## **Student Support**

Gujarat Technological University has established Student Support Section (SSS) in the year January 2015 to support the students of the University in various works related to Transcript, Migration, Duplicate & Misc. Mark Sheet, Degree/Diploma Certificate, Duplicate Degree/Diploma Certificates, Language and Rank Certificate, Equivalency Certificate, Percentage Conversion Certificate, Credential Evaluation Form Certificate and Misc. Certificate related services for all courses of the University.

The Section works as a centralized single window student support system and will manage receiving of applications, process, deliver the required documents and provides the best services to the students. As a rapid facility the Student Support Section provides Transcript, Migration, Language and Rank Certificate and Equivalency Certificate on the same day of receiving application since July -2015.

The Section processes around 310 applications related to attestation and other certificates (such as attestation of Mark sheets, degree and provisional certificates, language certificates, verification of student for various organizations/companies, authentication of original degree certificates, rank and language certificates, Equivalency certificates, percentage conversion certificate, Credential evaluation form certificate), around 550 applications for migration certificate, around 10 application for Duplicate Degree/Diploma certificates, around 1500 applications for transcripts, and around 1000 application for Duplicate & Misc. Mark Sheets per month. Student Support Section also handles the all duties related convocation degree & diploma certificate distribution after completion of the convocation ceremony. Around 70,000 Degree Diploma certificates were distributed by Student support section in past one year. The section has initiated the online tracking system for students to know the status of convocation application form in the year 2017.

**Prepared by:**  
**Ms. Shobhanarani T. Sengunthar**  
**Mr. Jaimin B. Dave**

## **Examination**

### **Delivering Question papers on electronic media:**

To eliminate the possibility of leakage or any other such discrepancy about question papers Gujarat Technological University has introduced innovating strategies for better management of examinations. This Electronic Distribution of Examination Papers is in practice from the very first university examination which was held in December 2008. Conventional paper printing was replaced by the encrypted Compact Disk. Examination process using e-system has been proven to be the most reliable and confidential system, and is appreciated all over.

### **Examination Process and Set-up:**

To make the process of examination smoother University has divided the whole state into five zones. University appoints faculties of affiliated colleges as observers. An observer has to reach to the exam centre at least 45 minutes before the beginning of the subject exam. For decryption of exam CD, JAVA based software is used. It needs three passwords as institute password, university password and day password for decryption. A day password is sent through SMS to each exam centre on its University registered mobile number by controller of examination before half an hour of the subject exam.

During any university subject exam, a student is given a student specific and subject specific barcode which is to be pasted by the student himself/herself. At the end of subject exam, the student is required to hide his/her identity i.e. seat no., enrolment no., supervisors name and signature as well as institute name by pasting hollow black stickers.

To create a continuous evaluation process all the marks are entered online and are also stored in University central server. These marks are visible to all the students once it is entered and are saved successfully on GTU online marks entry portal.

### Traditional Manual Assessment of Hard-copy of Student's Answer-book:

Answer Books are collected on the very same day as soon as examination for the day/session is over from all the colleges located in any of the five-zone located in Gujarat. All such answer books collected for the day are shuffled subject-wise and bundled and packed in bunch of 100 answer books. By the next day these bundles are transported to University Head Office located at Chandkheda, Ahmedabad. These lots are shuffled and transported back to Zone-offices. From zone offices these Unassessed Answer Book lots are transported to Colleges.

Faculties at colleges collect these answer books from GTU coordinator for the College, and keep them in their custody till assessment is over. Once assessment is over faculty enter marks online on secure portal and submit back assessed answer book lots to GTU coordinator.

At University these assessed lots bundle having 100 answer books are opened to re-enter and validate Question wise marks as well as total marks. Entered marks are verified by operator by again entering total marks. And any entry level error happened at examiner level is rectified here. After marks entry, Answer books are again packed in a bag and staked at definite location.

### E-Assessment:

Gujarat Technological University has taken many initiatives to position itself as a global university by adapting innovative systems for benefit of the students and faculties. This has been possible because of entire support and positive attitude of all Colleges, Principal and faculty members. To make examination system more reliable, transparent and accountable, GTU has introduced the 'E - Assessment system' for Term End External examination of MBA Semester - 1 as pilot project in winter 2012 examinations. Ripening on the success the 'E - Assessment' was implemented in all PG programme and many semesters of Bachelors and Diploma programme. Following points give brief idea about e-assessment process.

Answer Books are collected on the very same day as soon as examination for the day/session is over from all the colleges located in any of the five-zone located in Gujarat. All such answer books collected for the day are shuffled subject-wise and bundled and packed in bunch of 100 answer books. By the next day these bundles are transported to University Head Office located at Chandkheda, Ahmedabad.

These lots are sent to University Digital Scanning Centre (back office located in University), where answer books are scanned/digitized, which involves following steps-

- i. Cutting of Answer books in Batches and Scanning of Answer books in Batches and stapling back all pages. Mapping of Scanned Answer book with University Bar Code No. in Batch and Verification for proper scanning of each and every scanned Answer and fragmentation of Question Paper with marking scheme for particular Subject Code.
- ii. Uploading Answer book on Server for Evaluation in Batches [Subject Wise] and creation of Examiner User-ID and Password for Evaluation [Subject Wise]. Randomly allotment of answer books to the available evaluators equally [Subject Wise].
- iii. Start of E-Assessment by the examiner using Computer/Laptop and Internet connectivity from anywhere any time [Freedom of Assessment with his/her convenience using technology]. Informing Examiners by Email/SMS for evaluation of the answer books and regular follow up with the faculties by respective sections. Replacement of Examiners by the section.

Students when apply for challenge evaluation (Re-evaluation), the digital scan copy is again publish to be evaluated by another examiner. If student applies for viewing his/her answer-book, login credential and link of the system is communicated on student's email, which can be used to view answer-book. University also retains digitized soft copy of all answer books as answer books are pulped.

#### Entry of Marks and Result Preparation:

Gujarat Technological University has developed online portals for fetching marks of various components of student's result. Following table gives idea about marks entry mode.

Mode of Exam	Component Type	Abbreviation	Mode of entry	Marks Entered by	Remark/Note
<b>CEP</b> Continuous Evaluation Process (by college faculties)	Theory	<b>M</b>	Online	College faculty	As soon as entry is completed by colleges, all CEP marks are published on portal for students.
	Practical/ Viva	<b>I</b>	Online	College faculty	
<b>TEE</b> Term End Exam (by external examiners)	Theory	<b>E</b>	Online	External Paper evaluator*	There are 2 modes of theory external exam. evaluation*
	Practical/ Viva	<b>V</b>	Online	External Practical or Viva examiner	List of marks entered is submitted in hardcopy to university

\* For External Examination theory marks, there are two modes of evaluation e-assessment and tradition manual evaluation of hard-copies of student's answer-book. For manual evaluation marks directly entered by paper evaluator are entered again and revalidated at university level to remove entry level errors.

**Recent Reforms:**

University has achieved success in delivering grade-cards to colleges in short time after declaration of results, so that grade-cards can be received by students in timely manner.

**Appreciation by peers:**

Gujarat Technological University also earned fame of having very robust system for conducting examination. Various Universities visits Gujarat Technological University campus to explore possibility of adopting best practices of our Examination system. Officers including core members of Examination Department, Computer Department and General Administrations like Registrar, Examination Controller, Deputy Registrar, Assistant Registrar, System Analyst and Programmers visited the University. Last year we got opportunity to share knowledge and experience on mutual basis with officers from following Universities:

Maharaja Sayajirao University of Baroda, Vadodara  
Sardar Patel University, Vallabh Vidyanagar  
Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal  
Dr. Babasaheb Ambedkar Open University, Ahmedabad

**Prepared by :  
Dr. J. C. Lilani**

## **E-Library**

Gujarat Technological University is having vision and mission to provide faculties and students a vast ocean of knowledge for the high tech human life, easy and anywhere accessible knowledge for the students for their development. With this thought GTU E-Library is born for its all stake holders under the guidance of members of "Library Advisory Committee".

GTU has subscribed and created the knowledge exploration of E-Library by procuring e-Resources and subscription of total titles 174 IEEE journals, magazines, and transactions for IEEE proceedings, newsletters, magazines and standards. GTU has also procured K-hub Virtual Library resources for Pharmacy Scholars. The K-hub data base provides access to 1348 e-journals, 751 e-books and 6 e-News Papers.

Simultaneously GTU has developed LAB (E-library cum reading room) at following three of the centres from where students can access resources.

Gujarat Technological University Gandhinagar Campus, Nr. Government Polytechnic K -6 Circle,  
E-4 Electronic Estate G.I.D.C, Sector - 26, Gandhinagar-382028- Gujarat

Gujarat Technological University Ahmedabad Campus, block-6, LD boys hostel campus,  
Ahmadabad

Community Innovation & Co-creation Centre , IIT Gandhinagar, Shed-2, Gujarat Technological University, Nr.Vishwakarma Government Engineering College, Nr.Visat Three Roads, Visat - Gandhinagar Highway, Chandkheda, Ahmedabad – 382424 – Gujarat

The other useful data access and creative part of e-Library is the GTU Repository, which has accessibility to various contents like Dissertation, ME-MBA-MCA-Vishwakarma Yojana-BE (IDP/UDP) project, Conference Proceedings have been made available as a specimen or reference material to the future students.

#### **Facilities:**

To provide E-library access to research students at the centre of city in support of the University's teaching and research mission, Gujarat Technological University has established **E-LIBRARY - CITY CENTER CUM READING ROOM** at Gujarat Technological University Gandhinagar, Chandkheda and Ahmedabad Campus.

E-LIBRARY-CITY CENTER CUM READING ROOM provides flexibility for GTU students to access E-journals, E-Book's, and other E- resources at their convenience to enable the advancement of knowledge and discovery with no cost to students.

ELIBRARY-CITY CENTER CUM READING ROOM is well equipped with computer systems and Internet connection to access E-resources. Students can access GTU'S repository to gain the ideas about different projects, dissertation etc.

Subscribed E-Resource/Other Resources/Free eBooks

GTU has Purchased E-Resources from following publishers: IEEE

Trial version for evaluating few Journals by users like as: K-Hub

GTU had uploaded free resources on E-resources TAB.

#### **GTU Repository:**

GTU E-library also provides access to following GTU repository resources:

**ALCE, Presentation:** Active Learning Creating Excitement (ALCE) TAB contains available Engineering Brach wise -subject wise material (in PPT format)

**IPR/Patent:** IPR TAB gives guidance for patent related activity

**E-Dissertation/E-Thesis/E-Projects :** GTU had uploaded full thesis for reference purpose: M.E., M. Pharm. , M.B.A.-GCSR(Report)-CP-SIP, M.C.A., Ph.D. and Vishwakarma Yojana

**ALVCOM:** TAB provides NPTEL Videos link for viewing and learning purpose



Till today more than 1800 researchers have taken benefits of the E-library services.

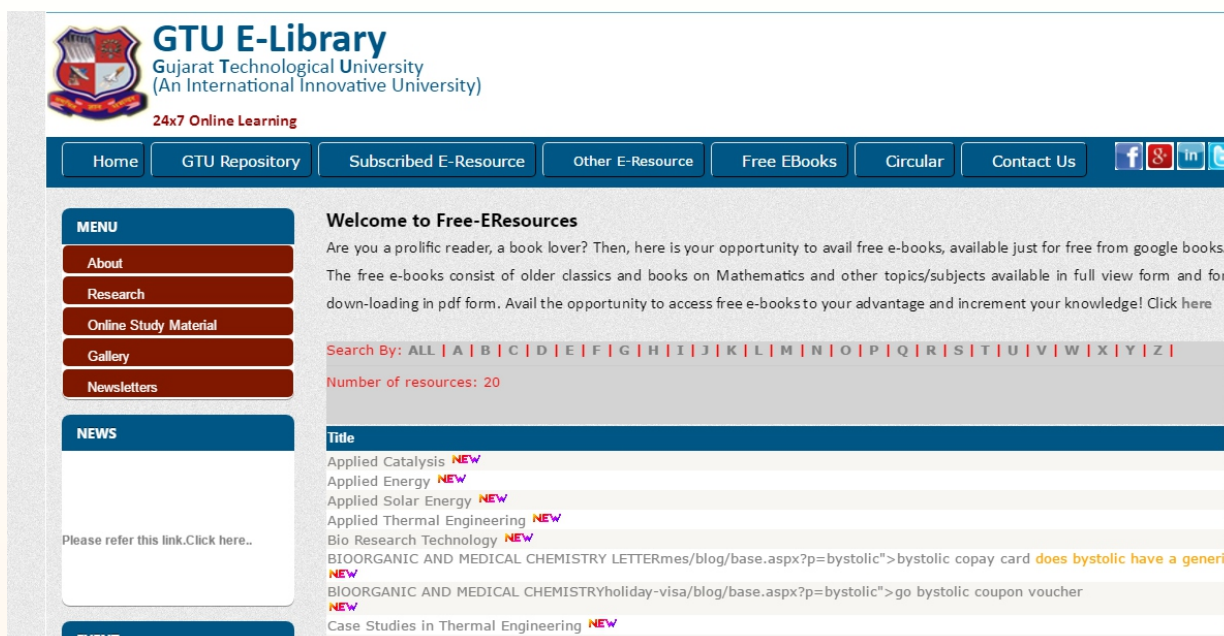


Figure: A glance of Interface for E-learning resources

### E-Project/E- Thesis/ E-Dissertation:

To improve novelty of research and innovation through students, it is desirable to benchmark prior art and particularly efforts being taken before. More than 30000 projects/ thesis are being submitted to university as a part of academic requirements in UG/PG/other levels. To ensure that the new batch of students either take new projects or to carry forward semi-finished projects. All past projects need to be publicly shared for students. Through E resources GIC has shared more than 75000 projects/ thesis in public domain in categorized format at [porjects.gtu.ac.in](http://porjects.gtu.ac.in) for the reference and benefits of student efforts. This helps to check duplication and improve originality of student innovations every year. It also helps co-creation among different groups who are doing complementary or supplementary projects. The platform enables to pool variety of stakeholders like faculty members, students and domain experts to take the projects end to end. This digital platform helps in building efficiency of entire innovation value chain around student projects in university.

### E-Resources:

GTU has Purchased E-Resources from publishers : IEEE

GTU had uploaded free resources on E-resources Tab

Trial version for evaluating few Journals by users like : K-HUB

Start-up analysis tool: To provide inputs to final year projects and check novelty of student start-up ideas GTU has created access to various start-up analysis tools/ software through common window facility so that students can benefit from such e resources. Various analytical tools and platforms like TRACTION help students to check authenticity and feasibility of idea/ innovation/ start-up through such E resources.

## Online Study Material:

ALCE, Presentation : Active Learning Creating Excitement (ALCE) TAB contains available Engineering Branch wise -subject wise material (in PPT format)  
ALVCOM TAB provides NPTEL Videos link for viewing and learning purpose

**Prepared by:**  
**Ms. Rutika Ghariya**

## Accounts

Finance/Accounts Department is the key section of the University for Internal Financial Transactions and External Financial Transactions with colleges, examiners and other parties:

The University established in the Year 2007 (Act No. 20). Functions of the University started from F.Y. 2008 -09. 'The Block Maintenance Grant' has been given by the Government of Gujarat - Education Department through Commissioner of Technical Education (Gujarat State). Other expenses are incurred from the owned fund of the University.

The Accounts Section has been making payment of every TA bills after making due physical verification of the vehicles of the claimant/visitors/beneficiaries and due to the said policy plenty of rupees of the University have been saved.

To give satisfaction to our stakeholders is our motto. The Accounts Section has developed a new policy to give satisfactory answer to all stakeholders regarding the status of a bill and regarding payment of bills and immediately start processing of payment upon receiving bills. All the bills of T.A. /D.A. are paid on the same day. In case of General bills of purchase or any other section it gets cleared within two days and in case of Examination Conduction bills and Zonal Office Bills are cleared up to next examination.

Weekly follow up has been taken of outstanding Bills at University level of various sections. Accounts section has also developed a system to collect the bills from other sections which are lying without any process and also take care that no bill is lying with any other section without any reasonable cause. Necessary instructions are given to the sections not to delay the bills and it should be submitted for the payment procedure to Accounts Section maximum within seven days after receipt from Party/Examiner.

Accounts Section has started a reconciliation from F.Y.2008 -09 (Establishment of the University) up to F. Y. 2016 -17 and informed all the colleges for the Outstanding advances and recovery is started on the whole amount up to 31.03.2016 and issued "No Due Certificate" for previous years' outstanding advance for conduction of examination.

The Accounts Section has computerized all its working.

Accounts Section has facilitated all its stakeholders for making online payment for 24\*7 through SBI Collect Facility. Those who want to make the payment to the University can use it for doing

any payments to the University. As a result, the time and energy of stakeholders can be saved and they can make payment to the University as per their convenience.

Accounts section has developed a new system of staff training for capacity building through the regular staff meeting and also by changing the job profiles by rotation. Now Staff members of the Accounts Section are well versed with all kinds of routine activities of Department.

**Prepared by:**  
**Mr. M. V. Patel**  
**Mr. M. N. Parmar**

## Affiliation

Gujarat Technological University was started working with affiliated colleges on 8th July 2008. Government of Gujarat transferred all Government Degree, Diploma Programme in Engineering and Pharmacy to GTU. On 26th May, 2009 by another notification Government of Gujarat transferred Post Graduate programs in Technical and professional courses to GTU. GTU started Interior Design Programme in academic year 2017-18. GTU started Ph. D. programme in academic year 2011 for faculties of Engineering, Pharmacy, Management and Computer Science. Almost all the technical institutions in Gujarat State which mainly offer technical programme like Degree Engineering, Diploma Engineering, Pharmacy, Architecture, Town Planning, Management and Computer Application are affiliated to Gujarat Technological University. Total 452 institutions are affiliated with GTU.

Glance at Affiliating Institutions (Academic year 2017-18)

Sr. No.	Name of Programme	Affiliating Institutions/ Colleges
1	Degree Engineering	119
2	Master of Engineering*	61
3	Diploma Engineering	134
4	Diploma Pharmacy*	9
5	Bachelor of Pharmacy (B.Pharm.)	59
6	Master of Pharmacy (M.Pharm.)*	49
7	Master of Business Administration (MBA)	70
8	Master of Computer Application (MCA)	48
9	Master of Business Administration - Integrated Programme* - 5 years	23
10	Master of Computer Application- Integrated Programme* - 5 years	6
11	Master of Computer Application – 2 yrs.*	6
12	Bachelor of Architecture	10
13	Diploma in Architecture	1

14	PDDC*	3
15	Hotel Management	3
16	Bachelor of Planning	2
17	Bachelor of Interior Design	1

\* Not Separate Institutions

### **Objective:**

To Maintain Quality, Harmony & Consistency in Technical Education & Professional Courses colleges, Affiliated with GTU.

### **Activities undertaken by the Affiliation & Endorsement Department:**

To Prepare Selection Criteria and Norms for Faculties in SFI as per AICTE/GTU.

To Prepare Norms for Selection Procedure & Selection Committee.

To Prepare Norms for Advertisement & Scrutiny.

To prepare norms for promotion under CAS for GTU affiliated SFI institution.

To maintain the quality of education & functional harmony in the Technical & Professional courses LIC & Academic inception of all the affiliated institution including Government and Grant in aid are conducted every year and reviewed the various functional aspect of the institutions. If major deficiencies found, then university takes appropriate punitive action against those institutions as per prevailing apex body norms.

Based on review of LIC/Academic Inception report temporary Affiliation are granted to the institutions.

### **Procedure for Endorsement to the faculty of SFI institution:**

To Collect Names for V.C Nominee & Subject Expert from Deans of the Different Zones.

The role of V.C. Nominee & Subject Experts in Selection of Faculty.

Selection File to be submitted to the Affiliation Section within 15 days after completion of interview at the Institute.

### **Procedure for scrutiny of faculty selection file:**

V.C. Nominee Report

Selection Committee as per Norms or not

Procedure followed in selection of the faculty or not

### **Scrutiny of selected faculty:**

Basic qualification

Required attachment of documents.

Valid Experience documents

In case of Married lady faculty, requirement of marriage certificate.

Preparation of Office Note:  
Endorsement of a faculty  
Document to be furnished by a faculty  
It is duly signed by all concerned of Affiliation section & Registrar  
Finally, endorsement letter are issued

#### **No Objection Certificate For:**

Variation in intake  
Starting New Institute / Programme / Course  
Closer of course / program / institute  
Change of location & name  
Grievances of faculty & student of SFI institution.  
RTI & Legal issues related to Affiliation section.  
Affiliation software designed & prepared with the help of IT Department.  
It is difficult to search out previous years records of various institutions. Then it creates necessary to have tailored made software for affiliation department. The said software includes following information such as-  
    Apex body approval letter AICTE /PCI/ Council of Architecture and Town Planning etc.  
    Affiliation Letters.  
    Endorsement Letters.  
    LIC & Academic records.  
    Minutes of the selection committee meeting.  
It will facilitate to retrieve data easily as and when required. Implementation in the software by up loading recent data is already started.  
Coordination and co-operation inter department activities.

All the files received for endorsement purpose till today for each programme like Engineering, Pharmacy, Diploma, MBA, MCA, Architecture have been cleared. Endorsement letter is given to all the faculty members / candidates who were qualified and experience as per GTU norms. This Department trying continuously providing best services to our stakeholders and society.

**Prepared by:**  
**Mr. Kamlesh Patel**

## **I.T. Support**

IT is the technology that can help provide the right people with the right information at the right time. The rapid and increasing pace of technological change shortens the horizon for accurately forecasting the information technology landscape of tomorrow. GTU's IT department is constantly engaged in improving and developing the IT system according to the change in requirements and technology. Our main website: [www.gtu.ac.in](http://www.gtu.ac.in) has more than 9.10 crores visitors so far.

## List of Websites:

GTU has a group of websites to spread information quickly and effectively.

<a href="http://gtu.ac.in/">http://gtu.ac.in/</a>	<a href="http://convo4dip.gtu.ac.in">http://convo4dip.gtu.ac.in</a>
<a href="http://gtuexams.in/">http://gtuexams.in/</a>	<a href="http://convo4deg.gtu.ac.in">http://convo4deg.gtu.ac.in</a>
<a href="http://gtuelibrary.edu.in/">http://gtuelibrary.edu.in/</a>	<a href="http://awards.gtu.ac.in">http://awards.gtu.ac.in</a>
<a href="http://gturesults.in/">http://gturesults.in/</a>	<a href="http://ccc.gtu.ac.in">http://ccc.gtu.ac.in</a>
<a href="http://gtudiscussionforum.in">http://gtudiscussionforum.in</a>	<a href="http://wimc.gtu.ac.in">http://wimc.gtu.ac.in</a>
<a href="http://gturesearchcenters.edu.in/">http://gturesearchcenters.edu.in/</a>	<a href="http://awards.projects.gtu.ac.in">http://awards.projects.gtu.ac.in</a>
<a href="http://gturesearchcentres.edu.in/">http://gturesearchcentres.edu.in/</a>	<a href="http://gcsr.gtu.ac.in">http://gcsr.gtu.ac.in</a>
<a href="http://gtuactivelearning.edu.in/">http://gtuactivelearning.edu.in/</a>	<a href="http://affiliation.gtu.ac.in">http://affiliation.gtu.ac.in</a>
<a href="http://gtuinstitutes.ac.in/">http://gtuinstitutes.ac.in/</a>	<a href="http://cpdp.gtu.ac.in">http://cpdp.gtu.ac.in</a>
<a href="http://gtupgcourses.org">http://gtupgcourses.org</a>	<a href="http://techfest.gtu.ac.in">http://techfest.gtu.ac.in</a>
<a href="http://gtuplacement.edu.in/">http://gtuplacement.edu.in/</a>	<a href="http://startups.gtu.ac.in">http://startups.gtu.ac.in</a>
<a href="http://gtuinnovationcouncil.ac.in/">http://gtuinnovationcouncil.ac.in/</a>	<a href="http://gtumap.gtu.ac.in">http://gtumap.gtu.ac.in</a>
<a href="http://unity.gtu.ac.in/">http://unity.gtu.ac.in/</a>	<a href="http://alvcom.gtu.ac.in">http://alvcom.gtu.ac.in</a>
<a href="http://projects.gtu.ac.in/">http://projects.gtu.ac.in/</a>	<a href="http://clubs.gtu.ac.in">http://clubs.gtu.ac.in</a>
<a href="http://phd.gtu.ac.in/">http://phd.gtu.ac.in/</a>	<a href="http://plexus.gtu.ac.in">http://plexus.gtu.ac.in</a>
<a href="http://sports.gtu.ac.in/">http://sports.gtu.ac.in/</a>	<a href="http://plan.gtu.ac.in">http://plan.gtu.ac.in</a>
<a href="http://elibrary.gtu.ac.in/">http://elibrary.gtu.ac.in/</a>	<a href="http://new.gtu.ac.in">http://new.gtu.ac.in</a>
<a href="http://international.gtu.ac.in/">http://international.gtu.ac.in/</a>	<a href="http://gtuipr.gtu.ac.in">http://gtuipr.gtu.ac.in</a>
<a href="http://convo13dip.gtu.ac.in/">http://convo13dip.gtu.ac.in/</a>	<a href="http://pgschool.gtu.ac.in">http://pgschool.gtu.ac.in</a>
<a href="http://convo13deg.gtu.ac.in/">http://convo13deg.gtu.ac.in/</a>	<a href="http://cic3.gtu.ac.in">http://cic3.gtu.ac.in</a>
<a href="http://vy.gtu.ac.in/">http://vy.gtu.ac.in/</a>	<a href="http://ccfs.gtu.edu.in">http://ccfs.gtu.edu.in</a>
<a href="http://staffs.gtu.ac.in">http://staffs.gtu.ac.in</a>	<a href="http://gsn.gtu.ac.in">http://gsn.gtu.ac.in</a>
<a href="http://de.gtu.ac.in">http://de.gtu.ac.in</a>	<a href="http://gtuinnovationcouncil.ac.in">http://gtuinnovationcouncil.ac.in</a>

Admin panel-All GTU affiliated colleges have their own “Admin Panel” provided by GTU IT Team.

<http://gtuexams.in/>

Staff management-GTU centrally manages all teaching staff of affiliated colleges.URL:

<http://gtu.ac.in/admin/>

Video Learning & Video messages-Expert Lectures of different subjects of various courses are uploaded on our website. Students can access the lectures and take the benefits globally.

## Portals and Websites:

Online Projects collection (PMMS): GTU - Project Monitoring and Mentoring System-This system contains Periodic Project Report (PPR), Design Engineering Canvas (DEC), Patent Search and Analysis Report (PSAR), Project Report (PR), Plagiarism and Completion Certificate for students. Visit portal: <http://projects.gtu.ac.in/>

GIC website: GTU Innovation council website-The Innovation Council has started strategic steps to establish a close and continuing inter-action between the industries & businesses and the students & faculties Visit website: <http://gtuinnovationcouncil.ac.in>

### GTU IT innovations:

E- Assessment: Out of traditional ways of assessing answer sheets, GTU has started online E- Assessment of Answer Sheet since 2012

Migration and Transcript certificate: We have developed the system to provide Migration and Transcript certificate to the students immediately, so students can easily apply for higher studies.

Convocation: GTU IT team has developed a system where students can apply for convocation online

GTU Alumni: We invite all alumni to come, join and develop GTUAA to serve their needs optimally.  
<http://www.gtuaa.edu.in/>

SMS: We are providing SMS alerts to staffs and students for all activities. We directly interact with the students by SMS and E-mail.

Smart city Project: GTU IT team have developed the Smart City Website which covers all the contents related to project. <http://smartcities.graduateschool.gtu.ac.in/>

Hackathon Project: We have developed the Server for Hackathon Competition run by the GTU.

100 Point Activity Project Portal: GTU IT team has developed the 100 Point Activity project portal for all B.E. students to motivate and participate in the co-curricular and extra-curricular activities.

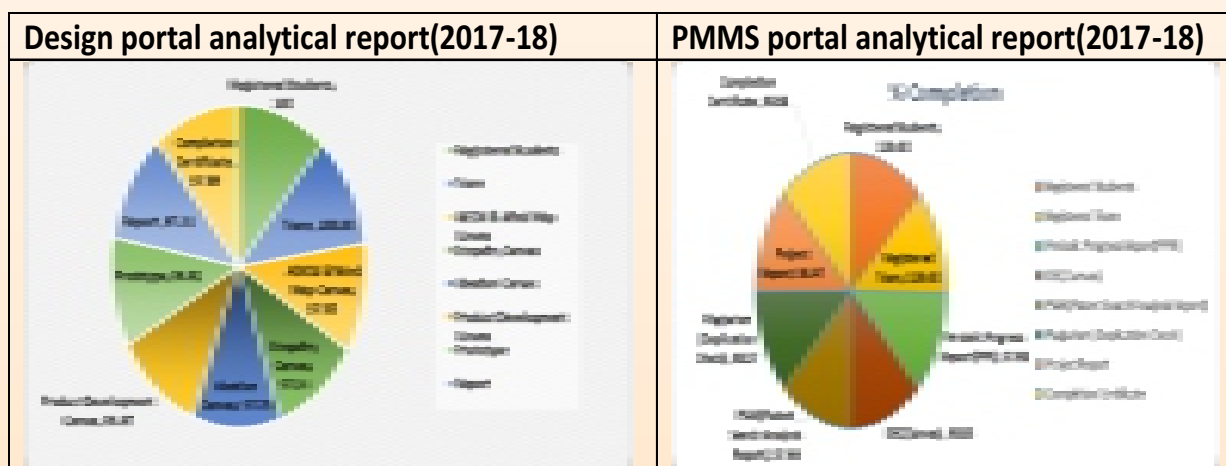
### Workshops:

GTU IT team has also organized events like “Transformation Through Cloud Computing”

GTU-IT team has also organized Cloud Computing AWS workshop

Global Office 365 Developer Bootcamp - Ahmedabad 2017

### Few IT-Portals Analytical Report:



Prepared by:  
**Mr. Keyur Shah**  
**Mr. Rupendra Chourasiya**  
**Ms. Anjali Vyas**



## Estate

Estate Section of GTU has major role in development of Infrastructure facility in campus. Also, to maintain the property of the University. The allotment of land is under process and handed over to GTU within short time. Currently, Gujarat Technological University is spread over in three different office premises:

### Campus at Chandkheda, Ahmedabad

Sr. No.	Building	Area (in Sqm.)	No. of Floors	Particulars
1	Administrative Building	9780	4	Establishment and Administration purpose.
2	IIT Shed No.2	819	1	For setting up Design Incubation Centre
3	IIT Shed No.4	1876	2	For setting up Biotechnology & Pharmacy Centre
4	Vice Chancellor Bungalow	428	2	Residence for Hon'ble Vice Chancellor
5	GTU Staff Quarter	7715	10	Residence for University Staff Members
6	Boys Hostel	3510	3	Accommodation for Student

### Campus at Old GNLU Building at GIDC, Secor-26 of Gandhinagar

Sr. No.	Building	Area (in Sqm.)	No. of Floors	Particulars
1	Old GNLU building	4725	4	For running Master Degree Courses in Cyber Security and M. Pharm.

### Campus at Block No. 6, L. D. College of Engineering Hostel Campus, Ahmedabad

Sr. No.	Building	Area (in Sqm.)	No. of Floors	Particulars
1	Block No.6, L. D. College of Engineering Campus	1750	3	For Start-up, Innovation & other Research activities

### Proposed 100 acres new land at Village Lekavada, Dist. Gandhinagar for GTU Campus:

As per the new availability of land, University has planned to establish the following infrastructural facility in new campus as per the requirement and availability of funds.

Sr. No.	Building	Area (in Sqm.)	No. of Floors	Particulars
1	Post Graduate Building and Learning Resource Centre	27101	8	For running 5 PG Research Centres like Mobile Computing & Wireless Technology, Environmental Energy and Efficiency tools, Infrastructure, Transportation and Water

				Management, VLSI Design and Embedded Computing Centres for Mechatronics. (This building has been sanctioned in the budget of Education Dept.)
2	Laboratories and Global class rooms building	10032	7	For research in the field of pharmacogony, pharmacology, pharmaceutical analysis, pharmaceuticals, pharmaceutical chemistry, pharmaceutical sciences. (This building has been sanctioned in the budget of Education Dept.)
3	Girls hostel building.	2680	3	Accommodation for research student (girls). (This building has been sanctioned in the budget of Education Dept.)
4	Start-up & Innovation Centres at Rajkot	350 (Approx.)	1	For setting up Start-up & Innovation Centres
5	Start-up & Innovation Centres at Surat	410 (Approx.)	1	For setting up Start-up & Innovation Centres
6	Start-up & Innovation Centres at Vadodara.	425 (Approx.)	2	For setting up Start-up & Innovation Centres

## Conference

Conference Section of Gujarat Technological University manages all the Workshops, Seminars (National/International), Conferences (National/International), and Global Meets, Short Term Training Programs, Faculty Development Programs, Award Ceremonies and other academic events at GTU Chandkheda Campuses. The conference section has successfully handled all above mentioned events in last one year at university campus. Here are the glimpses of the same.

### International Conference:

One day International Conference on “CCFS2017” was organized by Gujarat Technological University on 6<sup>th</sup> & 7<sup>th</sup> October, 2017.

### Faculty Development Programs (FDP):

40<sup>th</sup> FDP on “DESIGN ENGINEERING”-22<sup>nd</sup> - 25<sup>th</sup> January, 2017.

41<sup>st</sup> FDP on “DESIGN ENGINEERING”-31<sup>st</sup> January, 2017 - 03<sup>rd</sup> February, 2017.

FDP on “DATA ANALYSIS USING OPEN SOURCE SOFTWARE "R"” -20<sup>th</sup>-25<sup>th</sup> February, 2017.

42<sup>nd</sup> FDP on “DESIGN ENGINEERING”-02<sup>nd</sup> - 05<sup>th</sup> March, 2017.

FDP on “BASIC STATISTICS FOR MCA COURSE”-3<sup>rd</sup> March, 2017.

FDP on “CHEMISTRY AND SPECTROSCOPIC ANALYSIS” during 17<sup>th</sup> - 21<sup>st</sup> April, 2017.

FDP on “MEMS SENSOR (DESIGN & SIMULATION)” during 06<sup>th</sup> - 08<sup>th</sup> April, 2017.

43<sup>rd</sup> FDP on “DESIGN ENGINEERING” -28<sup>th</sup> June - 01<sup>st</sup> July, 2017.  
FDP on “BASICS OF ORGANIC CHEMISTRY”-26<sup>th</sup> June - 01<sup>st</sup> July, 2017.  
FDP on “DESIGN ANALYSIS AND ALGORITHM FOR MCA” -01<sup>st</sup> July, 2017.  
FDP on “ARTIFICIAL INTELLIGENCE FOR MCA” -02<sup>nd</sup> July, 2017.  
44<sup>th</sup> FDP on “DESIGN ENGINEERING”- 31<sup>st</sup> July to 03<sup>rd</sup> August, 2017.  
FDP on “ASIC MATHS FOR MCA” -19<sup>th</sup> August, 2017.  
44<sup>th</sup> FDP on “DESIGN ENGINEERING”-13<sup>th</sup> - 16<sup>th</sup> September, 2017.

### **Workshops:**

“IPR EXPERT MEETING” - 30th January, 2017.  
“DESIGN WEEKEND DESIGN THINKING WORKSHOP SERIES FOR STUDENTS” - 04th & 05th February, 2017.  
“DESIGN WEEKEND DESIGN THINKING WORKSHOP SERIES FOR STUDENTS-PHASE -ii” - 18th& 19th February, 2017.  
RASHTRIYA AVISHKAR ABHIYAN (SHRI SARASWATI MANDIR HIGH SCHOOL) - 09th March, 2017.  
“PRE-PLACEMENT WORKSHOP” - 25th March, 2017.  
“100 ACTIVITY POINTS” - 06th April, 2017.  
“HOW TO WRITE A RESEARCH PROPOSAL TO VARIOUS GRANTING AGENCIES” - 09th June, 2017.  
“AHMEDABAD SMART HERITAGE CITY” - 19th August, 2017.  
“INAUGURAL SESSION OF PGDIPR COURSE AND FIRST CONTACT CLASS” - 16th& 17th September, 2017.  
“PGDIPR SECOND CONTACT CLASS” - 07th& 10th October, 2017.  
CYBER SECURITY & PENETRATION TESTING - 02nd November, 2017.  
“3RD CONTACT CLASS OF PGDIPR” - 11th& 12th November, 2017.  
“DESIGN THINKING BASED SMART & HERITAGE CITIES” - 27th - 29th November, 2017.

### **Seminars:**

“AWARENESS ON MASTER GUIDE: UPSC & GPSC” - 25th March, 2017.  
“NSS FOR PROGRAM OFFICER” - 05th April, 2017.  
“NSS SEMINAR FOR NSS STUDENT VOLUNTEERS” - 06th April, 2017.  
“AWARENESS FOR STUDENTS MIGRATING TO POLAND AND PRESS MEETING FOR IEP” - 09th April, 2017.  
“DR. B.R. AMBEDKARS PHILOSOPHY ON EDUCATION” - 13th April, 2017.  
“HUMAN VALUE EDUCATION IN HIGHER EDUCATION INSTITUTES” - 23rd April, 2017.  
“LEGAL AWARENESS OF WOMEN RIGHTS” - 04th July, 2017 at Town Hall, Ahmedabad.  
“PHARMACEUTICAL INDUSTRY OVERVIEW AND EXPECTATIONS” - 15th& 16th July, 2017.

### **Short Term Training Program (STTP):**

GTU organized STTP on “ENERGY CONSERVATION THROUGH PROCESS INTENSIFICATION” in collaboration with L. D. College of Engineering, Ahmedabad-01st to 05th May, 2017.

### **Award Ceremony:**

“6TH SANKUL DAY” -the Award function-14th February, 2017 at Paryavaran Mandir, Ahmedabad.  
“3RD AWARD FUNCTION FOR CO-CURRICULAR ACTIVITIES, GTU”-the Award function 16th June, 2017 at Town Hall, Gandhinagar.

## **National Day Celebrations:**

DUBAI, ECQUADOR, ITALY AND MADAGASCAR on 18th February, 2017  
BANGLADESH, PORTUGAL, KUWAIT AND CHINA on 18th March, 2017  
BELGIUM, USA, CANADA AND FRANCE on 18th November, 2017

## **Visit of Delegations:**

MEETING WITH DELEGATION FROM JAPAN -13th January, 2017.  
PROF. ZAJAC, CHANCELLOR AND PROF. POLKOWSKI, UJW, POLAND visited GTU -20th January, 2017.  
MEETING WITH DELEGATION FROM POLAND -09th May, 2017.  
MEETING WITH DELEGATION FROM ARKANSAS UNIVERSITY USA -04th August, 2017.  
MEETING WITH MEMBERS OF ENGINEERING COUNCIL OF INDIA -25th September, 2017.  
MEETING OF L & T TEAM & DEAN OF FACULTY ENGINEERING OF GTU -07th October, 2017.  
MEETING WITH DELEGATES OF UNIVERSITY TEKNIKAL, MALAYSIA & MALAKA -09th September, 2017.

## **Placement Fairs:**

PLACEMENT DRIVE OF TCS -20th February, 2017.  
PRE-PLACEMENT WORKSHOP -26th March, 2017.  
PLACEMENT DRIVE OF QX LTD -06th April, 2017.  
6TH CENTRALIZED PLACEMENT FAIR FOR PHARMACY -08th & 09th April, 2017.  
THERMEX APPRENTICESHIP PROGRAM PLACEMENT DRIVE -13th & 14th October, 2017.

## **Other Events:**

NASSCOM CEO AND EXECUTIVE DIRECTOR visited GTU on 11th January, 2017.  
DESIGN DEMODAY on 23rd January, 2017 at ACPC, Ahmedabad.  
GTU celebrated REPUBLIC DAY on 26th January, 2017.  
ONE DAY INDUCTION TRAINING PROGRAM FOR FRESH ENGINEERING TEACHERS, ROUND-VI ON ACTIVE, INTERACTIVE & EFFECTIVE TEACHING on 11th February, 2017.  
GTU ROBOCON 2017 during 18th to 27th February, 2017 at ACPC, Ahmedabad.  
ONE DAY TRAINING –CAMPUS TO CORPORATE ATTRIBUTE ENHANCEMENT/BUILDING PERFECT IMAGE/SKILL DEVELOPMENT FOR GTU FINAL YEAR STUDENT -2nd March, 2017.  
LEADERSHIP PROGRAM OF GANDHI AND MARTIN LUTHER KING on 03rd March, 2017.  
LAUNCHING OF MOBILE APPLICATION ON CPD PROGRAM on 21st March, 2017.  
SMART INDIA HACKATHON 2017 on 01st & 02nd April, 2017.  
STRESS-FREE LEARNING & STRESS-FREE EXAM on 05th April, 2017.  
FELICITATING WINNERS FROM GUJARAT STATE OF SMART INDIA HACKATHON 2017 -10th April, 2017.  
CELEBRATION OF NATIONAL TECHNOLOGY DAY -11th May, 2017.  
ROLE OF SWADESHI SCIENCE & TECHNOLOGY MOVEMENT -02nd June, 2017.  
EFFECTIVE USE OF SOCIAL MEDIA FOR BRIGHTER CAREER -04th August, 2017.  
ORIENTATION PROGRAM OF VISHWAKARMA YOJAN PHASE -V -05th August, 2017.  
INDEPENDENCE DAY CELEBRATION -15th August, 2017.  
NAVRATRI CELEBRATION -27th September, 2017.  
GUJARAT QUIZ 2017 COMPETITION AT UNIVERSITY LEVEL -29th September, 2017.

Apart from these events Gujarat Technological University organized Dissertations, Viva -Voce, Exams, and Meetings etc. at different campuses and affiliated colleges.

**Prepared by:**  
**Dr. Sarika Srivastava**

## **Establishment**

Establishment Section of Gujarat Technological University is a key section which ensures that Gujarat Technological University staff and personnel get continuous motivation and support with all the required resources and benefits as any organization is driven by the work atmosphere and culture with activities such as timely salary and leave processing, attendance maintenance, recruitment and resignation formalities of permanent, contractual and daily wage staff and personnel, settlement of any staff and personnel issues, of special purpose documents such as Experience letters, No Objection Certificates, Salary Certificates etc., smooth functioning of reception desk to facilitate visitors and attending and forwarding calls to right section, and further functioning of registry section for inward and onward of any correspondence to GTU. Apart from the functions mentioned above in the year 2017, Establishment section has also played key role in activities as mentioned below:

### **Celebration of Republic Day:**

68<sup>th</sup> Republic Day celebrations were organized by Establishment section to ensure that feeling of patriotism is strengthen among all GTU staff and personnel.

### **Celebration of Independence Day:**

Independence Day is celebrated by the people of India every year on 15<sup>th</sup> of August as a National Holiday to commemorate the independence of India from the Kingdom of Great Britain on 15<sup>th</sup> of August in 1947. At this day, people of GTU pay heartily homage to the great leaders in the leadership of whom India became free forever.

### **Navratri Celebration:**

Navratri 2017 was celebrated at GTU campus on 27<sup>th</sup> September 2017 with full enthusiasm from all participants and award for best performance were also given to winners identified by the judges.

### **Diwali Celebration (Sneh Milan):**

At GTU, it's a tradition to conduct Diwali and New Year celebration to exchange New Year wishes. This year it was held on 26/10/2016 Thursday where officiating Vice Chancellor Prof. (Dr.) Navinchandra Sheth and Registrar greeted the staff and personnel for a healthy and prosperous year ahead. In the year 2018, Establishment Section ensures to continue all the activities mentioned above and few more to create and maintain healthy and efficient work culture with employee welfare.

**Prepared by:**  
**Dr. Parulkumari Bhati**

## CENTRES AND CLUBS

### Centre of Pharmaceutical Studies & Drug Delivery Technologies (CPSD)

GTU is setting up state-of-art research centre at its Chandkheda campus dedicated to Pharmaceutical Science. This research centre will be constructed and functional by the end of 2017. Approximately 10,000 sq.mt. construction will be done for this research centre. It will have total 7 Floors and separate building for Animal house. The multi-disciplinary research laboratories with high end instruments for different facets of Pharmaceutical sciences are under construction.

There are various innovative activities conducted by this CPSD centre of GTU for the benefit of Pharmacy students and faculty members. Few activities done during Calendar year 2017 are summarized as per below:

Research Week – 2017 (February 2017)

Final Dissertation Exam of M. Pharm (May 2017)

6<sup>th</sup> Centralized Placement Fair for Pharmacy (April 2017)

Short Term Training Program on “Spectroscopy” during 17<sup>th</sup> to 21<sup>st</sup> April 2017

2 days seminar on “Pharmaceutical Industry Overview and Expectations” by GTU in collaboration with AIBA on 15<sup>th</sup> & 16<sup>th</sup> July-2017

4<sup>th</sup> Faculty Development Program for faculty of pharmacy on “Basics of Organic Chemistry” (26<sup>th</sup> to 1<sup>st</sup> July 2017)

Introduction to Dissertation Exam – 2017 (Oct 2017)

#### **Research Week 2017 (Feb 2017):**

Gujarat Technological University (GTU) has organized Pharmacy Research Week -2017 for all the students of M. Pharm (Sem IV) and PhD (Pharmacy) from 9th February to 17th February 2017 at GTU, Chandkheda Campus, Ahmedabad. During this Research Week-2017 total 500 students of M. Pharm and 41 students of PhD (Pharmacy) have presented their progress of research in front of experts.

To do the evaluation of research work done by the students, experts from foreign countries, industrial experts and academic experts from outside the Gujarat as well as within the state have been invited. Foreign experts who have remained present include Prof. Abdelwahab Omri, Professor of Chemistry, Laurentian University (LU), Sudbury, Canada.

To make this Research Week a successful event, under the visionary leadership of Honourable Dr. Navin Sheth, Vice Chancellor of GTU and Shri J. C. Lilani, I/c Registrar of GTU, below mentioned team of Faculty of Pharmacy of GTU along with Deans of Pharmacy have done their great efforts.



### **Final Dissertation Exam 2017 (May 2017):**

Gujarat Technological University (GTU) has organized Pharmacy Final Dissertation Exam (Phase I) -2017 for all the students of M. Pharm (Sem IV) from 4th May to 11th May 2017 at GTU, Chandkheda Campus, Ahmedabad. Each year GTU is organizing this Final Dissertation exam (Phase I) during the month of May, to see the complete progress of research carried out by Master students. The works of students are examined by the eminent experts of related fields. During this Final Dissertation Exam (Phase I)-2017 total 482 students of M. Pharm have presented their final dissertation in front of experts. Apart from these 136 experts from GTU affiliated Pharmacy Colleges and from pan India have been invited during this Final Dissertation (Phase I) 2017.



### **6th Centralized Placement Fair for Pharmacy (April 2017):**

Centre of Pharmaceutical Studies & Drug Delivery Technology, GTU has organized "6th Centralized Pharmacy Placement Fair" on 8th & 9th April, 2017 at GTU, Chandkheda Campus, and Ahmedabad. In this placement fair, total 60 Pharmaceutical companies from across the state have participated for 820 vacancies of fresher and for various job profile.



At the end of two days' event, total 60 pharmaceutical companies participated in this event and interviews have been taken. On day-1 total 530 students have participated for various posts by different companies during this placement fair out of total 820 posts requirement. On day-2 250 Students have been participated. Salaries offered to different candidates were in the range from 1.20 Lac to 3.00 Lac per annum. Candidates were selected for different posts like R & D, F & D, Production, QA/QC, Marketing, Medical Coding, Medical Writing and Community Pharmacy.

### **Short Term Training Program on "Spectroscopy" during 17<sup>th</sup> to 21<sup>st</sup> April 2017:**

As GTU itself is a young University, there are more than 40% faculty members who are working with various affiliated colleges are quite young in age and fresher in their professional career. With respect to feedback received by eminent experts during Mid Research week of Pharmacy, it was suggested that to improve the quality of research in academia. Now looking at need of faculty members and students GTU has organized Short Term Training Program on Spectroscopy in association with Association of



Pharmaceutical Teachers of India during 17<sup>th</sup> to 21<sup>th</sup> April 2017 at B.K.Modi Government Pharmacy College, Rajkot. Dr. S. Y. Gabhe , Professor of Pharmaceutical Chemistry at Bharti Vidyapeeth's Poona College of Pharmacy, Pune has served as a mentor for this 5 days FDP. Dr. Gabhe has conducted sessions on various topics of organic chemistry like Nuclear Magnetic Resonance Spectroscopy, Mass Spectroscopy and Structure Elucidation. Total 27 faculty members and 46 students from across the state have actively participated in the same.

**Two days seminar on “Pharmaceutical Industry Overview and Expectations” by GTU in collaboration with AIBA on 15<sup>th</sup>& 16<sup>th</sup> July-2017”:**

Under the visionary leadership of Prof. Dr. Navin Sheth , Vice chancellor of GTU, University has started various initiatives for resurgence for the profession on Pharmacy. Such initiatives include collaboration between Gujarat Technological University (GTU) & Academia & Industrial Bridging Association (AIBA). Hence to fulfil above objective GTU & AIBA arranged a 2 days seminar on “Pharmaceutical Industry Overview and Expectations” on 15<sup>th</sup>& 16<sup>th</sup> July, 2017 at GTU Campus.

In this 2 days seminar various pharma leaders served as mentor for pharma students and faculty, specifically by giving an overview of Pharma / Department specific requirements by interrelating cross functional departments with required skill/techniques as per cGMP to manufacture quality drug product and to minimize current issues. Particularly sessions on various pharmaceutical industrial disciplines were covered in this programme like Product development, Quality Assurance, Regulatory Affairs, Analytical Research & Development, Manufacturing, Intellectual Property Rights and Business Development by various experts from Pharmaceutical Industry. Total 100 faculty members and students from across the state have actively participated in the same. This event was organized in association with Academia and Industrial Bridging Association.

**4<sup>th</sup> Faculty Development Program for faculty of pharmacy “Basics of Organic Chemistry” (26<sup>th</sup> to 1<sup>st</sup> July 2017):**

Under the visionary leadership of Hon'ble Dr. Navin Sheth, Vice Chancellor of GTU, University has started various initiatives for resurgence for the profession on Pharmacy. Such initiatives include various faculty development program on recent trends in pharmacy, research week for M. Pharm student, centralized placement drive for pharmacy graduates and post graduate students.

Now as per the need of pharmacy faculty, GTU has organized 4<sup>th</sup> series of FDP on “Basics of Organic Chemistry” from 26<sup>th</sup> June to 1<sup>st</sup> July, 2017 (One Week). Dr. S. Y. Gabhe, Professor of Pharmaceutical Chemistry at Bharti Vidyapeeth's Poona College of Pharmacy, Pune has served as a mentor for this one week FDP. Dr. Gabhe has conducted sessions on various topics of basics of organic chemistry like stereochemistry, heterochemistry and like. Total 20 faculty members from across the state have actively participated in the same.

**Introduction to Dissertation Exam – 2017 (Oct 2017):**

Gujarat Technological University (GTU) has organized Pharmacy Introduction to Dissertation Exam 2017 for all the students of M. Pharm (Semester III) from 3<sup>rd</sup> October to 11<sup>th</sup> October 2017 at GTU,

Chandkheda Campus, Ahmedabad. During this Introduction to Dissertation Exam 2017 total 552 students of M. Pharm presented their Introduction to dissertation in front of experts. To do the evaluation of research work done by the students, experts from industry and academia from outside the Gujarat as well as within the state have been invited. Apart from these 124 experts from GTU affiliated Pharmacy Colleges and from pan India have been invited during this Introduction to dissertation Exam 2017.

**Prepared by:  
Mr. Amit Patel**

## **Post-graduate Research Centre for Industrial Design**

Being the most Innovative and largest University of India among all the affiliating type of University, Gujarat Technological University, Ahmedabad, India always tries to cope up with all latest trends in Design & Innovation, Entrepreneurship and Technological advancement. Also, GTU is continuously striving for shaping a better future for its students by putting astonishing efforts to make its education system excellent enough so that students and ultimately whole society would benefit. In the light of above facts, GTU has established a Centre for Industrial Design (OPEN DESIGN SCHOOL) to lead and manage the design-oriented learning processes to promote Project Based Learning (PBL) in Gujarat state. The Centre also helps the industries to improve its design processes and it may accept consultancy assignments for design innovation. While the consultancy projects may help the industry, the objectives during the initial years would be to build and improve capacities among the faculty members. Secondly such projects would provide opportunities to the students to work on real-life projects. This would be a pioneering step towards achieving “Make in India”, “Start- up India”, “Skill India” and “Digital India” initiatives of Honourable Prime Minister, Mr. Narendra Mo di to put India in position of developed country.

### **Development of Design-Based Learning System at GTU suffusing Design Thinking:**

GTU has started the process of bringing excitement of learning into the laboratories, classrooms and workshops. Besides other initiatives, one strand in the process is to imbue the whole of the learning process, during the undergraduate studies, with design orientation.

On 2<sup>nd</sup> February 2013 (The first cohort of 4-year degree engineering students graduated out in May 2012.), GTU started the process of updating its syllabi. It was decided to develop a design-based learning system, so GTU has introduced a very new, innovative - Design Engineering subject from 3<sup>rd</sup> semester. It is a first of its kind initiation in the Indian Education system and it is based on “Design Thinking” methodologies which is developed and used by engineers & designers all over the globe. One of the key objectives of this initiative is to infuse the methodology of Design Thinking into the mind-set of the students and the Faculty Members so that it is used in the study of all the core subjects of every branch. Other main objectives include; to stimulate thought process and creativity among the students, to learn problem-solving techniques, to lessen the copy-pasting in the Project work etc. A strong Design Spine of Design Engineering has been included in the syllabi from 3<sup>rd</sup> to 6<sup>th</sup> semester from AY 2014-15. At GTU, the processes of designing the project at the final year and of the spine of Design Engineering

of degree engineering programs have been synchronized in the interest of seamless progression of practical learning and skill development.

### **Faculty Development Program (FDP):**

To permeate the philosophy of Design Thinking and to spread the awareness for Design Engineering subject, GTU has organized total 45 Faculty Development Programs (FDPs) – at various level since AY 2014-15, in which more than 3000 faculty members from around 130 Engineering colleges across the state, from more than 15 branches, have been trained for Design Thinking. FDP attempts to introduce Design Thinking and related tools & techniques so that the faculty member can learn and practice the methodology by himself/herself before they teach to students. The total five learning levels of FDPs are designed to refine learning and master the Design Thinking methodology. These 45 FDPs have been mentored by various design experts as Mr. Rohit Swarup, Chairman, IRF & founder, Xpl ora Design Skool, Mr. Amar Gargesh; Mr. Karmjitsinh Bihola, Asst. Prof. – GTU with valuable help from Mr. Yash Saxena of OpenFuel, Mr. Bhasker Bhatt, Asst. Prof. – SCET Surat, Mr. Gagandip Khanduja, Asst. Prof. – SAL college, Mr. Jaimin Dave, Asst. Prof. – GTU and Ms. Devina Kothari, Rajkot. We have also got invaluable support and mentorship in various ways to develop the course and implement FDP from Prof. P V M Rao, IIT-D; Prof. Amaresh Chakrabarti, IISC-Bangalore; Prof. Dinesh Korjan, Korjan Studio; Prof. Shashank Mehta and Prof. Bhavin Kothari from NID – A.

### **Objectives of FDP:**

- To provide knowledge, skills and various tools of Design Thinking, Innovation and Entrepreneurship
- To inculcate Design Thinking for all affiliating colleges of GTU
- To provide 21st century skill set as per WEF to students and faculty members
- To convert Ideas into Useful Marketable projects
- To design programs to solve Social and Community issues
- To provide training for Design Thinking to merge the gap for Design, Manufacturing, Business for Industries etc.
- To spread awareness of Design Philosophy for Make in India, Start-up India, Skill India Mission etc.

### **Various workshops and events:**

Details of some more workshops, events and efforts to promote design based learning are:

MoU with Academia: GTU - Centre for Industrial Design signed a MoU for Design, Innovation and Entrepreneurship ecosystem development with Limkokwing University of Creative Technology (LUCT), Malaysia on 2<sup>nd</sup> November, 2017.

MoU with Industry: Centre also signed a MoU on 14<sup>th</sup> February, 2017 with Tata Technologies, Pune to establish Centre of Excellence with state of the art facilities to cope up with latest industry trends and to merge the gap between Academia-Industry.

Design Demo Day (DDD): This is the event where students showcase their ideas and products which they have built during their Design Engineering projects. I have channelized to identify good

projects, hand holding them for better solution and then pitch their products to industry and other stakeholder to get funding. The first DDD 2k17 event was organized on 7th April 2017 where best 51 technological projects were demonstrated by students' team.

**Design Weekend:** Design Weekend is a Design Thinking workshop series for Student Development Program (SDP) where they learn the aspects of Design Thinking like scouting the unmet needs, Empathy, Defining the problem statement, Ideation, Doodling, Product Development and Prototyping techniques. This year, we have organized Design Weekend on 4-5 & 18-19 February, 2017.

GTU & IIM-A jointly organized one-day symposium on "How to Build Innovation & Entrepreneurship Ecosystem in Technical Institutes" for principals of affiliating colleges on 12th December, 2016. This symposium was organized to share the best practices in innovation through design interventions, start-up and community outreach for mutual benefits; to leverage grassroots innovation to convert them into useful marketable products; to build cashless campuses in GTU and session regarding Smart India Hack-a-thon 2017.

Mr. Karmjitsinh Bihola, Asst. Prof. of Centre for Industrial Design participated at 7th Board of Directors meeting of APEN at National University of Laos (NUOL), Vientiane, Laos on 31st October, 2017. This BOD meeting was organized to share best practices in Engineering education for project based learning; to collaborate for projects through APEN consortium members; to establish skill development for MSME; to share the Experiences (Success Story, Challenges etc.); to research in the field of Design Engineering, Project Based Learning, Engineering Education; to implement various initiatives for collaboration with Asian SMEs Connectivity; Faculty and students exchange for various projects to learn practical approach.

Centre also actively participated at 5th & 6th Board of Directors meeting of APEN at ITB, Indonesia on 6th June, 2015 & GTU, India on 6th December, 2016 respectively.

**Idea to Product – A Design Thinking workshop series:** This workshop series is to convert students and faculty members' projects into useful marketable products. First phase of workshop on "Unmet Social Needs as Drivers of Innovations" organized on 22nd November at GTU, Ahmedabad to find out the unmet social/industrial needs and solve those using technological advancements. Second phase of the series was organized on "Ideation Strategy for Creative Innovation" on 20th December, 2016 and third phase is planned in March, 2017 with demonstration of all projects developed during these series of workshops into useful products. These projects/products would be further supported for Design, Fabrication, IPR and Start-up supports by University.

**Winter/Summer Innovation School:** Innovation School is month long program with students and design enthusiasts to solve Industry/community/society issues with Design Thinking ideology.

There are also other flagship programs/events regularly organized by Centre for Industrial Design like Industrial Shodhyatra, Design Sprint, Industrial workshop for MSME, Design Hack-a-thon, Design Wednesday for students, Design Clinics etc.

7<sup>th</sup> Board of Directors Meeting of Asia Professional Education Network at Laos



**Prepared by:  
Mr. Karmjitsinh Bihola**

## **Infrastructure, Transport & Water Management**

Under this centre, the University, has set up the Graduate School of Smart Cities Development (GSSCD) to become a national resource centre in smart cities development by developing as a point of confluence for Industry, Academia and Government and help developing policies and plans at various Governmental levels. The Graduate School of Smart Cities Development was inaugurated by Shri M. Venkaiah Naidu, Hon'ble Minister of Urban Development, Government of India on April 18, 2015 in the inaugural workshop organized by GTU at Chandkheda Campus in Ahmedabad.

### **Smart City E-Courses offered by GTU-GSSCD:**

GTU is the only university in India offering online distance learning certificate course on Smart Cities Development. The participants from across the country have shown interest and got registered for the six months certificate course in Smart Cities Development.

### **Fourth Batch (Aug-2017) of Certificate E-Courses on Smart Cities Development:**

GTU-GSSCD had announced 4 new distance learning certificate e-courses on smart cities development which started from September 2017. The four-new e-courses are 'Solid Waste Management in Smart City', 'Smart Transportation in Smart City', 'Disaster Management in Smart City' and 'Planning and Development of Smart Village' with fees of Rs. 15,000/-. There were a total 70 participants in all course.



## Seminars & Conferences organized by GTU-GSSCD

### Global Launching of Smart City/Village E-Courses:

GTU-GSSCD had Launched 4 new E-courses of Smart City/Village E-Courses on June 15, 2017. Therefore 4<sup>th</sup> batch of GSSCD includes 8 E-courses along with the previous 4 E-courses.

E-courses offered by GSSCD:

- Smart Cities Planning and Development
- Project Management in Smart Cities
- Application of Solar Energy in Smart Cities
- Green Building in Smart Cities
- Smart Transportation in Smart Cities
- Solid Waste Management in Smart Cities
- Disaster Management in Smart City
- Planning and Development in Smart Village



### Workshop on Ahmedabad Smart Heritage City- Technology and Knowledge Partnerships:

GTU-GSSCD organised a workshop on Ahmedabad Smart Heritage City- Technology and Knowledge Partnerships Jointly with Tourism Corporation of Gujarat Limited and CII Gujarat was Knowledge Partner. The workshop was held on August 19th, 2017. Shri Gautam Shah – Hon. MAYOR of Ahmedabad Municipal Corporation was the Chief Guest of the event. Dr P K Gosh IAS (Rtrd.), Chairman of Heritage Cell, was Special Guest.

The Panel Discussions by Professional Experts on UNESCO World Heritage City Status- Need for Knowledge Partnerships and Technical Collaborations was done at the event.

It is new frontier for technologists to enter into partnerships for development, preservation, and protection of heritage properties in India. The deliberations included how Gujarat Technological University can participate in this endeavour. We may even plan to set up GTU HERITAGE RESEARCH LAB at national level.

### Heritage Round Table conference:

GTU is going to establish HERITAGE RESEARCH LAB at GTU in future. This LAB will be unique sunrise institute in INDIA. For this purpose, GTU had arranged a round table conference at GTU campus on 13th October 2017. Various students, faculties of GTU Engineering and Management college/Institutes, Resource Experts had participated in this Round Table conference.

### 3 Days Workshop on Co Designing Solutions to Ahmadabad's Heritage and Smart City Fusion

GTU-GSSCD organized a workshop on Co Designing Solutions to Ahmadabad's Heritage and Smart City Fusion. The workshop was held at GTU Chandkheda campus on 27-29<sup>th</sup> November 2017. We are fortunate to have with us Mr. Mark Watson, MDIA, Incoming Leader Fellow at Australia India Institute; Managing lead partner, Design Thinkers group Australia as Chief Facilitator and Ms. Aditi Gupta, Managing Partner, Design Thinkers group India as Co-Facilitator. For this workshop our Special guest were Mr. Mukesh Kumar, IAS, Ahmedabad Municipal Commissioner and as Chief Guest Dr. P. K. Gosh, IAS (Rtd.) Chairman, Ahmedabad Municipal Corporation Heritage Cell.

After inaugural, Participant went to Adalaj Step Well for observation and interview to gather research data on issues related to Heritage and Smart Cities. There were four team and 17 participants who worked on various issues like awareness of heritage cities among citizens and tourists, transportation facilities from city centre to various heritage places, safety and security of heritage places as well tourists who visit those place and maintenance of the heritage sites.



Certificates were distributed to the participants by Prof. Rajnikant Patel and Mr. Mark Watson. Also, best team presentation was given winner prize.

### GTU-Smart City E-Newsletter

GTU-GSSCD has started publishing GTU-Smart City E-Newsletter every fortnightly. The Newsletter contains GTU Activities News, GTU Affiliated Colleges' Activity News, if any, News related to latest happenings, announcements, development etc. in Indian Smart Cities Development and Updates on Smart Technologies for Smart Cities from around the globe. The GTU-Smart City e-newsletter has around 1800 recipients. These includes Smart Cities officials (250), State Urban Development Department Officials, Smart Cities Consultants, E-Course Participants, Persons involved in GTU - GSSCD's all past events, Faculty Members and Principals of Research Partners, P rincipals of all GTU Affiliated Colleges & GTU Staff Members.

There is also a link on GTU-GSSCD website from where any individual can subscribe to the e-newsletter by filling an online form. All published e-newsletters are also uploaded on our website in PDF form. Moreover, there is also a link at the end of our e-newsletter to unsubscribe from the mailing list.

**Prepared By:**  
**Ms. Neha Gameti**

## Centre for Global Business Studies

Centre for Global Business Studies is flagship department committed to manage, expand and enhance international relations and activities of the University. GTU has 30 plus foreign university partners located at America, Canada, Europe, Asia and Africa.

### Its major activities comprise of:

- Collaboration with reputed foreign universities through MoUs
- Student Exchange with foreign universities through International Experience Program – IEP and Winter School Program (WSP)
- Exploring the areas of collaboration with foreign universities in terms of faculty exchange, joint study programs, joint research and publications, credit consideration for the higher study etc.
- Exploring the opportunity for foreign scholarship and funded programs
- Appointing international co-supervisors for the GTU PhD program
- Joint events like Conferences, Workshops and Symposium with foreign universities
- Managing various activities regarding full time International Student at GTU

A large-scale study on more than 90 countries of the world is done at GTU in the form of Global Country Studies Report (GCSR). GCSR is the largest program in India under which every year the MBA students of GTU identify the bilateral trade opportunities between India and the country of study and prepare a feasibility project report. The centre is established to empower students and faculties to explore new heights in Global Business and Technical Research. CGBS is aiming to become a hub for the Industry-Academic interactions which may lead to the mutual benefits of all stakeholders. Please visit <http://international.gtu.ac.in/> for more details.

### Global Interactions:

#### Australia:

Meeting with representative from Australia, 1<sup>st</sup> Dec. 2016, Ms. Leonie Muldoon - senior trade & Investment Commissioner from Australia visited GTU with Jinendra Khara – Business Development Manager – Austrade for discussing the prospects in the area of academic collaborations.



Visit

<http://gsn.gtu.ac.in/article/2016/12/2/131251550119014254.pdf>

### Signing of MoU between University of Wollongong – Australia and GTU, 9th January 2017

Dr. Bill Damachis Director of Transnational Education & Alliances; University of Wollongong – Australia visited GTU. MoU was signed between GTU and University of Wollongong for initiatives in the area of Infrastructure and sustainable buildings. Visit <http://gsn.gtu.ac.in/article/2017/1/23/131296403165105404.pdf>



## **Bulgaria: MoU with Bulgarian Universities**

To introduce and initiate the International Experience Program with Bulgarian Universities for the students of Architecture and Management, MoUs were signed in month of November 2017 with University of Architecture, Civil Engineering and Geodesy (UACEG) and Varna University of Management (VUM).

## **Czech Republic: MoU with VSB Ostrava – Auto/ Instrumentation**

GTU has initiated the discussion with VŠB - Technical University of Ostrava to start the International Experience Program for Automobile and Instrumentation Engineering. A formal MoU will be signed once both the universities agree on the plan for organizing IEP and WSP.

## **Germany: Delegation from DHBW**

Indo-German study Centre, Gujarat Technological University marked the visit of officials from DHBW, Germany. Prof Dr Yvonne Zajontz - Head of Department Service management, Dr Ramesh Shah - Professor DHWB and Management students from DHBW University, Germany had Academic Interaction with Dr. Navin Sheth, Honourable Vice Chancellor, GTU.



## **MoU with Karcher- Germany, 13<sup>th</sup> Oct. 2017**

Officials from Karcher - Germany, Mr. Ruediger Schroeder - Managing Director, Karcher and Mr. Ravi Modi – Head, Karcher India had visited Indo-German Study Centre, GTU to sign Memorandum of Understanding to establish Centre of Excellence for professional training in cleaning science. Visit <http://gsn.gtu.ac.in/article/2017/11/9/131547032157281076.pdf> for more details.

## **Japan: Japanese Delegation at GTU, 13<sup>th</sup> Jan. 2017**

Mr. Yuji Nishikawa - India Liaison Representative - JapanScience and Technology Agency, (JST), Dr. Sakiko Kanjino - Assistant Professor - Asia Bridge Program (ABP), Office for the Promotion of Global Education Programs Shizuoka University, Japan, Dr. ASHIDA Shigeki - Assistant Administrative Manager - Division of General Planning and Development, Ritsumeikan University, Japan had an Academic Interaction with the Honourable Vice Chancellor, GTU.



Visit <http://gsn.gtu.ac.in/article/2017/1/17/131291206222978017.pdf>

## **Representative from Graduate School of Yokohoma National University**

Representative from Graduate School of Yokohoma National University had also visited GTU to discuss the advantages of Doctoral Students under the Global Doctoral Program for Academic Career Support.

Honourable Vice Chancellor and team CGBS has found the proposal interesting and look forward to understand the pros and cons of the same.

#### **Meeting with delegates of University Teknikal, Malaysia, 9<sup>th</sup> Nov. 2017**

From University of Teknikal, Malaysia Prof. Dr. Mohammad Ishak Desa-Dean, Dr. Siti Rahayu binti Selamat - Senior Lecturer, Dr. Robiah binti Yusuf -Senior Lecturer, Mr Mohd Zaki bin Mas'ud -Senior Lecturer had visited GTU to discuss the areas of probable academic collaboration with GTU. Visit: <http://gsn.gtu.ac.in/article/2017/11/20/131556495514576932.pdf>

#### **Mozambique**

Francisco Vieira (PhD), Director General and Alberto Assane Sevete, Social Services Director from Songo Higher Education Polytechnic Institute, Mozambique had visited GTU on 11<sup>th</sup> December 2017 to discuss the opportunity for academic collaboration with GTU.

#### **Oman: Meeting with delegation from Oman, 10<sup>th</sup> January 2017**

Dy. Vice Chancellor of Sultan Qaboos University, Oman Dr. Rehma Mahrooqi had visited GTU for discussing the prospects in the area of academic collaborations. The meeting was held between Dr. Rehma Mahrooqi, Prof. (Dr.) Navin Sheth Hon. Vice Chancellor GTU, Dr. J.C. Lilani Dy. Registrar, GTU, Dr. Rupesh Vasani – Member of BOG and Dean, GTU. Visit <http://gsn.gtu.ac.in/article/2017/1/23/131296404844279149.pdf>

#### **Poland: Officials from Jan Wyzykowski University, Poland visited GTU, 18<sup>th</sup> Jan. 2017**

Dr. Dariusz Zajac, Chancellor and Dr. Zdzislaw Polkowski Rector's Representative for international Cooperation and Erasmus+ Programme from Jan Wyzykowski University, Poland visited GTU and had discussed possible areas of academic collaborations and possibilities to organize workshops in IT enabled services with honourable Vice Chancellor, GTU and team members of CGBS. For more details visit <http://gsn.gtu.ac.in/article/2017/1/30/131302479454383042.pdf>

#### **Meeting with delegation from Poland, 9<sup>th</sup> May 2017 :**

A Delegation from Poland had visited GTU for discussing and identifying the prospects in the area of academic collaborations with the polish Universities. Prof. Marek Tukiendorf, Rector of Opole University of Technology, Prof. Anna Król, Vice-dean for Cooperation and Development, Opole University of Technology, Mr. Wojciech Najda, Director of Rector's Office, Opole University of Technology, Prof. Teofil Jesionowski, Vice-rector for Life-long Learning of Poznan University of Technology, Prof. Michał Zasada, Vice-rector for International Cooperation of Warsaw University of Life Sciences, Prof. Lech Dzienis, Rector of Bialystok University of Technology, Mr. Leonid Markusyk, Director of International Marketing, (Vistula University), Dr. Miroslaw Slominski, Rector's Proxy for Business Partnership, Warsaw University of



Technology participated during the discussion with the Honourable Vice Chancellor of GTU and team members of CGBS. For details about the meet, visit <http://gsn.gtu.ac.in/article/2017/7/14/131444998829615257.pdf>

### **Poland visit of GTU officials Under Erasmus + program, June 2017 :**

GTU had received invitation from Wroclaw University to participate in the International Staff Week under Erasmus+ program. Under the leadership of Vice Chancellor, Prof. (Dr.) Navin Sheth Dr. J C. Lilani, Dy. Registrar, Dr. Kaushal Bhatt, Assistant Professor, CGBS and Mr. Amit Patel, Assistant Professor, IPR from GTU had participated in the program at Wroclaw University, Poland. Visit



<http://gsn.gtu.ac.in/article/2017/7/17/131447456750362309.pdf> for more details.

### **Awareness Seminar for students migrating to Polish University**

Centre for Global Business Studies, Gujarat Technological University in collaboration with Polish Universities had organized Awareness seminar for students migrating to polish universities. Wojciech Naida, Zofia Wieszczyńska-Anlauf, Łukasz Dzierżanowski and Stanisław Anweiler from opole University of technology, Krystyna Murawska-Sitko, Białystok from university of technology, Emilia Wojtczak and Paweł Śniatała poznan from Poznan university of technology, Miss. Ewelina from SGGW Warsaw from Polish Universities participated in the seminar informing about their respective university.

### **South Korea: Meeting with authorities of Kyungdong University and Korean University Admission Centre, South Korea, 27<sup>th</sup> Nov. 2017**

Professor John Lee, President and Vice Chancellor, Kyungdong Global Campus, Kyungdong University, South Korea, Mukesh Kodakkadan, Regional Manager of South India, Korean Universities Admission Centre, Ms Julia Jung Director of International, Korean University Admission Centre had visited GTU to discuss their proposal for student exchange with the Vice Chancellor, GTU and CGBS team members.



### **Tanzania: Meeting with Vice Chancellor of Catholic University of Health and Allied Science from Mwanza, Tanzania, 28<sup>th</sup> Nov. 2017**

Prof. Paschalis G Rugarabamu, Vice Chancellor of Catholic University of Health and Allied Science from Mwanza, Tanzania had visited GTU and met the Vice Chancellor, GTU and CGBS team members to discuss the probable academic collaboration with the University in the mutual benefits of the students and staff of both the Universities.



## USA: Meeting and MoU with Arkansas State University, USA, 11<sup>th</sup> Sept. 2017.

Delegates from Arkansas State University, Mr. Gracious Fernandes, Ms. Devyani Khare - Global Initiative Representative Mr. Kiran More - Global Initiative Representative had visited GTU to discuss prospects in the area of academic collaborations and exchange programs. Visit <http://gsn.gtu.ac.in/article/2017/9/14/131498437315379246.pdf> for details.

**Dr Thilla Sivakumaran - Executive Director**, Global Initiatives at Arkansas State University had visited GTU and signed MoU with GTU to implement international Experience program proposed by both the university. Visit <http://gsn.gtu.ac.in/article/2017/10/30/131538300695420387.pdf> for details.

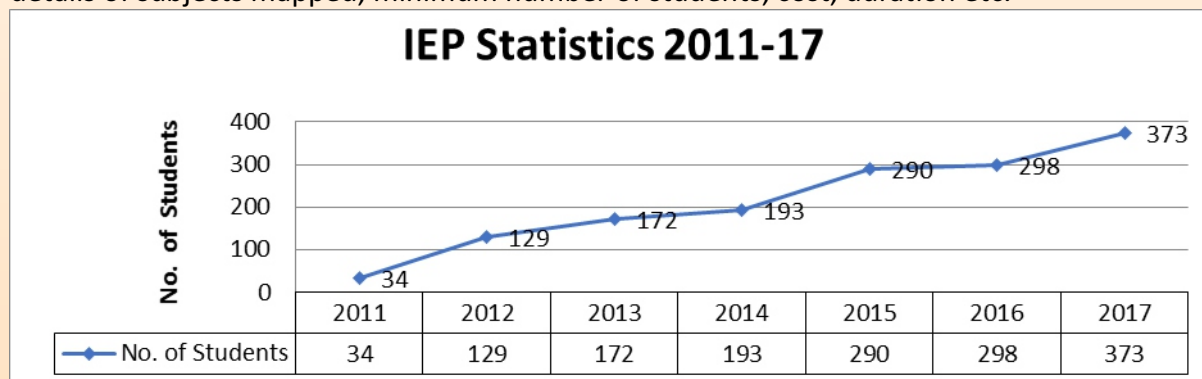
### Visit of Fulbright Specialist, Dr. Anuradha Gokhle, USA

Dr. Anuradha Gokhle, Professor, Illinois State University, USA has visited GTU for the duration of 40 days under Fulbright Specialist Program. The program provides an opportunity to Indian universities and institutions of higher learning to draw on the expertise of U.S. scholars and professionals and develop linkages with American institutions.




## International Experience Program

GTU arranges the International Experience Program (IEP) since 2011 to provide international academic and socio-cultural exposure to its students, where the students visit the international university partners in the semester gap for 4-6 weeks in the month of June-July and study two subjects of their respective courses. Students prepare the projects and case studies as decided by the foreign professor and also visit the industries/companies/organizations to enhance their understanding on the work culture of the host country in their respective fields. The host University also arranges the short trips to popular sites near to their location. Once the program is over the student come back and join their parent college and finish their final year. More than 350 students from various branches of Management, Engineering and Pharmacy participate in International Experience Program at US, Canada and European countries every year. Since its inception more than 1450 students have derived the benefits of international pedagogical system in their academic specialization within the cross cultural environment of the country of visit under the International Experience Program. IEP is organized by signing MoU and Operational Agreement with the foreign University Partners bearing details of subjects mapped, minimum number of students, cost, duration etc.






## International Experience Program 2017 at CANADA

Name / Location	Branches	Subjects
 Laurentian University (LU) Sudbury in Canada	B. Pharm. Computer Engineering Computer Science & Engineering Information Technology	i. Pharmacology & Pharmacotherapeutics ii. Pharmaceutical Chemistry-IX
<b>Duration</b> 6 Weeks	Masters in Computer Application	i. Web Data Management ii. Wireless Communication & Mobile Programming




## International Experience Program 2017 at USA

Name /Location	Branches	Subjects
 Kansas State University (KSU) Manhattan, USA	Electrical Engineering Electronics and Communication Engineering Electronics and Telecommunication Engineering Electronics Engineering	i. Digital Signal Processing ii. Design of AC Machines
<b>Duration</b> 6 Weeks	Mechanical Engineering	i. Web Data Management ii. Wireless Communication & Mobile Programming




## International Experience Program 2017 at GERMANY

Name /Location	Duration	Branches	Subjects
	6 Weeks	Masters in Business Administration (MBA)	i. Strategic Management ii. Business Ethics & Corporate Governance
Wismar University Germany	4 Weeks	Automobile Engineering	i. Transport Management and Laws



## International Experience Program 2017 at RUSSIA

Name /Location	Branches	Subjects
 Ural Federal University, Russia Duration 6 Weeks	Civil Engineering	Design of Reinforced Concrete Structures Design of Steel Structures



## List of Foreign University Partners





## Winter School Program (WSP)

The Winter School Program of GTU is aimed to invite the Foreign Students of various branches of Engineering, Management & Pharmacy of its partner foreign universities to participate in short term programs during winter. (Between October to February every year)



### Course Highlights

The course will contain Academic Course Delivery including Class Room Sessions + Project Work/ Field work + Industry visits.

Excursion visits are also included to expose the students to Heritage Sites/ Cultural events/ Tourist sites. An interactive meet with Government officials of specific departments can be arranged for the foreign students. Initially program is designed for 2 to 4 weeks.

### Initiation of Erasmus+ Program with European Universities

The centre will initiate the Erasmus + Program with the more European University to provide the benefits sponsorship of the European Union to the Students and staff of GTU.

### Expansion of International relationship with other countries

In the efforts of internationalization of university CGBS looks forward to build strong ties with International universities, Embassies, Trade consuls by the way of collaborations in various areas.

### Marking the presence of International Initiatives of GTU to reputed organizations nationally and internationally

The centre is planning to share the regular updates in form of quarterly report of the international initiatives of GTU to the relevant and reputed organizations/departments like Ministry of External Affairs GOI, PMO of India, MHRD, UGC, AICTE, AIU, State education departments, All Embassies and Consulate general offices in India, International organizations like APEN, DAAD, British Council etc. and reputed universities of India and abroad. This initiative may highlight the international initiatives of GTU to concerned stakeholders and it may also open the door for new opportunities for the University in internationalization of the higher education.

**Prepared by:**  
**Dr. Sarika Srivastava**  
**Dr. Kaushal Bhatt**  
**Mr. Keyur Darji**



# Centre for Governance Systems

GTU has started working on a Monitor for Good Governance, which will make it possible to objectively determine how well the governance systems are working. It is initiating studies in the field of Governance System in Businesses, Industries, Universities, Hospitals, NGOs and Governments so that it might be able to help organizations improve their working through new policies or modifying existing policies and protocols and through creating or modifying management structures.

## **Vision of CGS:**

Be a leading Centre of Excellence in Research, Teaching, Training and Advocacy in the field of Governance through capacity building, knowledge creation, and dissemination.

## **Objectives of CGS:**

- To make the students/researchers/practitioners aware about the Governance practices followed by various Businesses, Industries, Universities, Hospitals, NGOs and Governments.
- To take up joint research projects where-in students from GTU Colleges work along with the students in other countries to prepare studies about working of similar organizations in their respective countries
- To study, research and train managers in effective governance practices followed by various businesses, Industries, Universities, Hospitals, NGOs and Governments.
- To compare the governance system of Indian industry/sector/business with their developed nations' counterparts and to develop the governance models.

## **Workings of CGS in the academic year 2017:**

During the year 2017 (Jan. – Dec.), GTU's Centre for Governance System initiated / executed following programme in the area of Governance:

One-Week Faculty Development Programme on 'Data Analysis Using Open Source Statistical Package "R"'

Centre for Governance Systems (CGS) jointly organized a One-Week Faculty Development Programme (FDP) on 'Analysis Using Open Source Statistical Package "R"' from 20<sup>th</sup> February 2017 – 26<sup>th</sup> February 2017. The aim of the FDP was to help participants to provide the participants exposure to open source statistical package "R" for their research and data Analysis work. The lectures were taken by Dr. Dhaval Maheta, Assistant Professor, Department of Business and Industrial Management, VNSGU, Surat; Dr. Hitesh Parmar, Assistant Professor, Department of Business and Industrial Management, VNSGU, Surat; Dr. Amit Saraswat, VP - Data Sciences, Lendingkart, Ahmedabad; Dr. Prashant Joshi, Dean, Faculty of Commerce and Management and Professor and Head, Department of Management, UKA University, Bardoli; Dr. Keyurkumar M Nayak, Corporate Consultant, Coach working with Laxmi Vidyapeeth, Sarigam and Dr. Ritesh K. Patel, Assistant Professor, GTU at GTU – Chandkheda Campus, Ahmedabad. The FDP was attended by more than 70 faculties/ research scholars from all over India and abroad out of which Prof. Richard Chinomona, Associate Professor, School of Economic & Business Sciences,

University of the Witwatersrand, Johannesburg, was a special international participant, who has to come to GTU from South Africa to learn hands on statistical programming using 'R'.

Prepared by  
Dr. Ritesh Patel

## Centre for Financial Services

Gujarat Technological University has established fourteen Post Graduate Research Centres with a vision to develop professional research work. The Centre for Financial Services (CFS) is one of the Post Graduate Research Centres which is started with the objective to work into the area of Finance, Financial Services and Economics.

### International Conference by CFS:

CFS has an ongoing tradition to organize conferences every year. Like CCFS2014, CCFS2015, CCFS2016, this year an International Conference was organized by the Centre on a contemporary theme of Finance and Economics. Looking to the current economic environments of India, the core theme of the conference was decided. The core theme *"Enhancing Economic Productivity and Competitiveness through Financial and Monetary Reforms"* was further divided into various sub themes. The conference was organized during 6<sup>th</sup> & 7<sup>th</sup> October 2017 at GTU, Chandkheda Campus.



This Conference was co-sponsored by Jan Wyzykowski University (Poland) and Gaeddu College of Business Studies (affiliated to Royal University of Bhutan). The conference received huge response from researchers and participants. Eminent speakers who delivered the addresses at the conference were Dr. Zdzislaw Polkowski from Jan Wyzykowski University, Mr. Shubhro Gomes from Gaeddu College of Business Studies (affiliated to Royal University of Bhutan), Mr. Bhavesh Patel having experience of working with MSME sector, Mr Prakash Varmora – a renowned industrialist from Morbi, Prof V T Chandra Sekhar Rao – Dean from L&T Institute of Project Management and Mr. Rajen Pandya – Head of Power Training Institute (PTI), Vadodara.

To motivate the researchers, Best paper Awards were given to five (05) papers based on the ranking methodology adopted by the University. The conference proceeding was published with the ISBN 978 - 93-5281-176-2.



## MoU:

A Tri-Party Memorandum of Understanding (MoU) was signed between Gujarat Technological University, Wyzykowski University (Poland) and Gaeddu College of Business Studies (affiliated to Royal University of Bhutan) for various initiative focusing of Research and MSME sectors.



Prepared by:  
Mr. Hitesh Gujarati  
Mr. Vikrant Vala

## Centre for Marketing Excellence

GTU's Centre for Marketing Excellence (CME) has established to educate future marketing professionals with the capability to understand business problems and opportunities and translate them into actionable Information needs. By combining resources from academics and industry, the CMEs concentration will be to produce future marketing professionals who can gain superior insights from customer and marketplace. This centre would be a link, facilitator and helping hand for the society, which find out the potential for new opportunities for marketing effectively to the consumers, Marketers as well as country development.

Centre for Marketing Excellence is the dedicated centre to look after the research work in field of Marketing area. The Centre for Marketing Excellence has initiated and completed two phases of vary reputed projects namely, Kotler's Incubator for Ayurveda Medicines. The Centre is also very active in application based research projects funded by private limited companies, statutory bodies and government organizations; in niches of Governance in Marketing, Sales and Logistics Management, Brand Management, Product Management, Product / Service Promotions, Market Segmentation and Consumer Behaviour and other related aspects in Marketing Management.

In that respect, GTU's CME proposes to offer the Certificate Course on E-Commerce and post graduate diploma in Digital Marketing. These courses are designed to fulfil the gap between academia and Industry. The courses are designed to explore new dimensions in the recent trends in marketing and various fields of management like digital marketing and Electronic commerce.

1. Post graduate diploma in Digital marketing and
2. Certificate course on E-commerce.

### Post Graduate Diploma in Digital Marketing:

Traditional marketing methods alone are not enough in current marketing world. Organizations have started shifting to tools and techniques of Digital marketing from traditional tools. Digital Marketing is not only a rapidly growing force in the current marketing playing field, it is set to be the future of

marketing, and it seems likely that digital media will soon replace more traditional forms altogether. As the digital economy experiences major growth, the demand for skilled digital professionals is significant and growing. In addition, those businesses that fail to adapt to this new marketing climate are at great risk of going extinct sooner rather than later. Thus, in recent scenario, there is a greater need of understanding the various elements of Digital marketing and there are very few sources opportunities available for someone who is interested in learning this emerging field.

Digital marketing is an exciting field to be in. With an incredible 150,000 digital jobs forecast by 2020 and an annual growth rate of 9%, this high-growth sector is a great choice for eager professionals looking to make their mark.

Recognizing the trend of Digital Marketing globally, GTU is introducing post Graduate Diploma in Digital Marketing under its PG Research centre for Marketing Excellence

### **Course Highlights:**

Any Eligible Graduate can opt for the post Graduate Diploma in Digital Marketing

Course Duration: 1 year (Divided into three semesters)

The Regular MBA students of GTU can also opt as additional post graduate diploma Course

The course will be offered through contact classes and E-mode with the Interaction Session for the subject guidance.

The course material will be available online on the course portal and will be provided during contact classes to all the students if required.

The student has to study 7 subjects and prepare a project during the span of course.

### **Certificate Course on E-commerce:**

“India’s e-commerce market was worth about USD 3.8 billion in 2009, it went up to USD 17 billion in 2014 and to USD 23 billion in 2015 and is expected to touch whopping USD 38 billion mark by 2016,” ASSOCHAM said in a statement. The E-commerce sector has changed the retail landscape in India. The e-commerce industry has brought about a new wave of innovations in technology and packaging. Small businessmen with niche products can now reach out to a large audience without a big advertising budget. International players have brought global business strategies, which are both open and inclusive. Amit Agarwal, Country Head & VP, Amazon India proudly claims that they have empowered local businesses by exposing them to their proven systems and processes.

Recognizing the Global Economic Changes that are happening since the last few years, GTU is introducing Certificate Course on E-commerce



GTU wants that all colleges should establish OSTC, the UDISHA Club at their college should work to form an OSTC. You can find more details about this from:

<http://www.gtu.ac.in/circulars/14Apr/23042014.pdf>

**Overall Activities of the OSTC Club:**

STC Training- Workshops (IIT Bombay's Spoken Tutorials Project has come forward to support such Clubs.)

OSTC Literacy- Lecture-Demonstration

OSTC Movement-Talks

OSTC Projects for students

OSTC awareness- Events

**Prepared by:  
Ms. Dhvani Sanghavi**

# COUNCILS & CELLS

## Innovation Council

A centre for innovation was established on August 2, 2010. It was toddler initially wherein small experiments and initiatives were taken which helped us to tickle the mind-sets of students. Slowly and gradually with incremental baby steps, it groomed into a very mature centre wherein as on date we have more than 25000 footfalls. GTU Innovation Council (GIC) coordinates the work of (i) Community Innovation and Co-Creation Centre (C-i-C-3) for providing co-working space to student and faculty for research and Innovation (ii) GTU IPR Cell (iii) GTU PMMS Cell; (iv) GTU's Student Start-up Support System (S4), (v) GTU's ShodhYatras (The first ShodhYatra was organized on 14th February 2011) to SMEs; (vi) GTU Incubator, established on 1 Dec, 2015. Innovation council has been striking out in new directions in its determination to solve its problems and not to live with them for decades. Today it is considered to be the benchmark for the tech universities in India.

The Council targets to create a management system, which uses the existing structures and facilities by bringing them together for working for innovation. The council has decided to document every single success and to make the information available to all the stake-holders to develop self-confidence in the whole of the system. One key aim of this mission is to develop inter-relationship for national and international collaborations for innovation in the fields of Science, Engineering, Technology and Management. The Innovation Council has started strategic steps to establish a close and continuing inter-action between the industries & businesses and the students & faculties in all the undergraduate and postgraduate courses like Engineering, Management, pharmacy, MCA and Polytechnics and the faculty members in GTU.

### End to End Ecosystem Development

SN	Segment	Interventions
1	Building Ecosystem /Culture	Sankul, Multi actor initiatives,100 activity points, Awards, incentives
2	Open Design school	Basic design spine, help in prototyping, Product realisation
3	CiC3/ Community innovation & Co-Creation /Skilling	Product realisation, Skilling, Innovation in hardwires, co-creation based efforts
4	IPR, Intellectual Property right	IP facilitation programs and centre, Innovation in pedagogy
5	Pre-Incubation/ Student Start-up Support System	Efforts through S4, Converting Ideas into Prototypes and pre-incubation
6	Incubation/Market linkages	Full-fledged Technology Business Incubation, Nodal Institute Support
7	ICT/Knowledge management/Collaborative tools	PMMS, Digital platforms for collaboration
8	Policy Intervention/ Strategy	Policy innovations in Start-up, Design, pedagogy



GIC is working for the above-mentioned segment to develop the eco system for entrepreneurship along with major interventions done till date.

### **Ecosystem Development:**

GTU innovation council intends to create not only support system for discrete innovations and innovators but it also aims to create systems and processes around their needs through various interventions so that a sustainable ecosystem is built. In this ecosystem young students are placed at Centre stage and all existing and necessary support systems are provided to help them at different phases of their innovation journey. At GIC, we have been creating interventions, incentives, institution building mechanisms involving wide range of stakeholders to support innovators and start-ups.

### **Community Innovation and Co-Creation Centre (CiC3):**

GTU-CiC3 has been established to provide a platform to students/faculty to showcase their talent and build Product/ Prototype on innovative ideas. Tons of resources in the form of hardware, lab facilities etc. and mentorship from the industry veterans are availed for the same purpose. It benefits students/faculty to build genuine relationships with influential people, industry leaders etc. and all-round development in terms of personality, oratory skills, marketing ability etc. This is the process of transforming knowledge and innovative ideas into product which helps the society to solve real world problem.

### **Objectives:**

- i. Inculcate design thinking and fostering/promoting the open source hardware/software Community in Gujarat
- ii. Provide students with the latest open source hardware boards and modules which are in pair with the industry standards
- iii. Provide online community to overcome problem of physical constraints and sharing knowledge to others who cannot join Community Innovation & Co-Creation Centre
- iv. Assist students to create innovative and creative projects that solve real world problems
- v. Conduct local events like Hackathons/Workshops etc. to provide students a platform for showcasing their talents
- vi. Capacity building and scaling such efforts in nearby colleges. Help teams doing IDP/UDP to get access to such facility and hone their skills and design and fabricate prototypes.

### **Pre-Incubation:**

GIC aims to create a system for supporting ideas to move forward and has done significant work in the pre-incubation space. When some student projects attend a certain minimum threshold level after which they can be converted into a viable business proposition, special support systems have to be designed to cater their needs. Most of the innovation and start-up ecosystem lag in creating a strong pipeline of innovation pool and pre-incubation bandwidth which chokes the start-up ecosystem in long run. The pre-incubation facility aims to create a support system for around 1000 student innovations

per year which will be scouted from all affiliated colleges that has the potential to become a start-up module. Through the pre-incubation support program, common infrastructure facilities, access to resources, early stage funding, product design support and other auxiliary resources are being extended. Pre-incubation facility fills the gap and also creates a strong pipeline for full fledged incubation program at the technology business incubator (TBI) at GTU. As we are taking care of the minute needs in the early stage of student start-ups, our innovation to entrepreneurship pipeline is getting strengthened in the process. By having a robust innovation and pre-incubation faculty we want to tap innovation driven, technology based high impact start-ups in their very early days and extend necessary support from within university and from allied stakeholder support systems from Gujarat start-up ecosystem.

### **Incubation:**

GIC has also created possible linkages with investor communities, mentor networks and allied support systems needed for incubation activities. Various programs like start up leadership program, entrepreneurial residence, etc. have been developed involving external experts and institutions so that best possible handholding is extended to incubated start-up companies. Necessary facilities like managerial support, legal support, PR and marketing etc. are extended to the enterprise through single window facility through the incubator. Presently, the incubation program is also being diversified to multiple sectors so that entrepreneurs from different background can take benefit out of it. The existing incubation facility is also extended to alumni start-up companies from different allied institutions. After the stipulated incubation period, companies are also supported through an acceleration program which helps the start-ups to expand their business opportunities and capture more value. Presently, the incubation facilities are being expanded to more regional centres so that student start-ups from across the state are benefitted.

### **Nodal Institute - NI-(Recognized by GoG for supporting Start-ups):**

GTU NI is a platform for supporting Start-ups. NI's objectives are aligned with Start-ups India which is focusing on nurturing the Entrepreneurs and Start-ups. NI is supporting budding entrepreneurs and Start-ups through the process of business formation from inception to commercialization. GTU is approved as a Nodal Institute (according to letter dated 01.10.2015) will help Start-ups based on product, process and service as mentioned in "scheme for assistance for Start-ups/Innovation under new industrial policy" 2015 for channelizing the State Government's Support to deserving Start-ups. All Start-ups incubated/selected at GTU-NI and any proposal having innovative project/prototype can apply for assistance provided by Government of Gujarat. GTU NI helps Start-ups to reach the Market. In association with Corporates, Mentors and Govt., NI promote entrepreneurs by incubating, accelerating, mentoring and funding innovative Start-ups. NI has been incorporated with the objective of Support, Participating in Shaping ideas, design, facilitating financial support to incubated Start-ups. NI has a review committee for periodic assessment of project and provides mentors to nourish for making viable businesses. Now, GTU Innovation & Start-ups Centre was registered as a Sec 8 under Companies Act 2013 (not-for-profit Company) to run Incubator of GTU.

GTU Innovation Council is not only taking policy majors to develop innovation culture but also to benchmark every initiative and incentivise suitable stakeholders based on their performance. Sankul performance index, indicators to measure innovation and entrepreneurship activities, and other such benchmarking processes used to measure performance of affiliated colleges have been introduced periodically through top level policy interventions. Honourable vice chancellor and top academic leadership at university level has been continuously monitoring the progress of our initiatives and recommending suitable interventions. Academic council at GTU level has carried out a series of pedagogical policy changes by introducing new programs and courses to promote innovation and entrepreneurship like 100 activity points, and other such interventions to promote student led initiatives and sustain them. Our ecosystem development approach has been a perfect mixture of both bottom up efforts and top down policy interventions that helps in achieving the desired goal within prescribed time frame.

**Prepared by:**  
**Mr. Hiranmay Mahanta**  
**Mr. Tushar Panchal**  
**Mr. Raj Hakani**  
**Ms. Tosha Shukla**  
**Ms. Krutika Paradhkar**

## Finance, Marketing and HR Skill Councils

GTU has established three skill councils namely, GTU-Financial Services Skills Council (GTU-FSSC), GTU-Council for Human Resource Studies and Organizational Structures (GTU-CHRSOS) and GTU-Skills Council for Marketing (GTU-SCM). In pursuance of the directions issued by the GTU, institutes are arranging different activities under these three skill councils.

### 1. Sigma Institute of Engineering – MBA Program:

#### Skills Council for Marketing (GTU-SCM):

Marketing and Brand Quiz was organized for students to remain updated on current marketing trends.

Visits to local retailers & distributors across multiple sectors to understand sales & distribution management on ground level.

Guest lecture by Industry experts on “Impact of Digital Marketing on conventional marketing communication channels”.

Industrial visit to GHCL Ltd. which gave a holistic view of entire marketing activities right from product development to delivery.

Students of Semester - I were asked to select a specific company and industry & apply all marketing concepts learned during the lectures.

Intergroup Group Discussion and presentations on range of topics from Analysing markets for Bajaj Industries to Usage of Smart Phones in India.

Regular task of analysing marketing news from newspapers, magazines etc. and discuss & analyse during the sessions.

### **Financial Services Skill Council (GTU- FSSC):**

Guest lecture and interactive session on career opportunities as a Financial Adviser – Speaker was Mr. Yash Jhaveri from Jhaveri Securities, Baroda - Dated – 13/04/2017.

Students' presentations on "The Present Economic Environment and Ease of Doing Business".

Portfolio Management Game for Students of Semester 4 for the period of 3 months.

"All About GST" - A guest lecture by Mr. K.D. Jadeja, a practicing Chartered Accountant.

"Plan & save Now for Your retirement" - A guest lecture and interactive session by Mr. N. C. Thakkar, a Financial Consultant.

Industrial Visit - Students visited GHCL Ltd., Bhilad and had an interaction with the Executives of the Company. Individual report was prepared by each student.

Participation in National Level Essay competition by RBI. Topic - The RBI Policy Challenge - 2018.

## **2. C K Shah Vijapurwala Institute of Management**

### **Skills Council for Marketing (GTUSCM):**

Management Development Program (MDP) on "Managing Workplace and Team Building" - It was conducted on 15<sup>th</sup> October 2017 for Advanced Power Sources Ltd., Valsad. The participation of 15 employees was from varied departments like, engineering, design, accounts, marketing, sales, etc.

ITC One Minute Elevator Pitch:

- i. Students 1) Shah Niharika 2) Shah Jenis 3) Singh Nitesh 4) Giri Sandeep were selected at ITC Ltd., 1 Minute Elevator Pitch. The main objective of this live project was to get exposure to the 1 Minute Elevator Pitch and sell ITC's products.
- ii. The students were placed at Big Bazaar, 7 Seas, Vadodara and they were given the task to sell ITC's products like Vivel Soap, Fama Gel Bar, Engagedeo, Yippie Noodles, Dark Fantasy Biscuits, etc. The given targets were achieved by all the four students and they were been honoured with Certificate of Appreciation in return.

Management Development Program (MDP) on "Business Enhancement (18 - 19 August, 2017) - A total of 27 participants from 10 companies were trained on new dimensions to enhance organizational as well as individual growth.

Foundation Training Program for undergraduate students of B. N. Patel Institute of Paramedical and Science (Paramedical Division), Anand

- i. A 3-Day Foundation Workshop was conducted on Soft Skills, Etiquette, Team Building and Time & Stress Management for the undergraduate students.
- ii. The workshop was organized with the help of Sardar Patel Education Trust, Anand on 6-7-8 July, 2017.

- i. 23 students and 2 faculty members (Dr. Kunjal Sinha & Dr. Ankit Shah) were involved in fulfilling following tasks
  - Distribute Invitation Card of their new construction site to the respondents
  - Collect their basic demographic details
  - Database management
  - Convince them to attend the inaugural function

### **Financial Services Skill Council (GTU – FSSC):**

**Introduction of Diploma on Goods and Services Tax (GST):** In order to provide the knowledge of the emerging area of Goods and Services Tax, a diploma course is introduced. Around 30 students were registered for the said diploma course. The classes are conducted by the practicing chartered accountants in order to impart the practical knowledge to the students.

**NCFM certification under the MoU with National Stock Exchange:** The institute has entered into a MoU with National Stock Exchange to offer various courses on finance and financial markets to the students. The first batch of the 29 students have appeared for the exam in April 2017. The second batch of the same have registered in December 2017 which will be appearing for the exam in March/April 2018.

**Weekly Finance Newsletter:** In order to keep the students updated with the latest developments in the areas of finance and economy, a weekly Finance Newsletter has been introduced. The students monitor the events happening in their assigned area and prepare a list of all the major events occurred in the area for the week. The inputs are collected from each group and then announced the same in the form of newsletter.

**Use of newspaper in the classroom:** In order to make the subject more realistic and to enable the students to correlate the theory with real life situation, newspapers have been widely used as a tool for discussion in the classroom. The news appeared in the daily business papers are used to stimulate the discussion and learning process.

### **3. Anand Institute of Management (MBA):**

#### **Skills Council for Marketing (GTU-SCM):**

**Expert lecture by Mr. Sagar Vaghela:** It was organized on 1<sup>st</sup> December, 2017 for the students of MBA 3<sup>rd</sup> Semester. The basic objective behind organizing the session was to orient the students of MBA about how to learn from the marketing activities of a growing firm. The students were informed about the various situations to be faced in the market by a salesperson and how to handle customers with different demands. Also, the speaker shared his views about different ways to create satisfaction among the customers and create positive word-of-mouth.





**Presentations on Marketing Topics:** To enhance presentation skills in students and update the knowledge of students, various contemporary marketing topics were given to them by the faculties for presentation under subjects such as SDM, CB, and IMC. The topics presented by the students were experiential marketing, personal selling of sewing machines to tailors, logistics process of AMUL and advertising on social media.

**Advertisement Competition:** An Ad-making competition was organized among the students of marketing on 7<sup>th</sup> November, 2017. The students chose among the various types of advertising media and made interesting advertisements for different products like dhoti, jeans, dairy milk, etc. The activity's aim was to foster creativity among the students along with their knowledge of the subjects. The students had to present their ads and explain the creative strategy for the message content of advertisement. The faculty coordinator for GTU-SCM is Prof. Disha Garasiya and student coordinators are Ms. Hemali Patel and Mr. Hiren Gohil.

#### **Financial Services Skill Council (GTU- FSSC):**

**Virtual Portfolio Creation:** Students were given the opportunity to prepare a portfolio in the month of November first week (Six Days) with virtual money of Rs. 1 Lakh. They were directed to invest money in different shares of their choice on opening prices and compare it with the Sixth day closing prices. This was summarized in the form of report by students and their presentations for the same were undertaken. The highest return of 12% was earned by a student in the game. This game enhanced their skills of selecting better shares for their portfolio, boosted their decision power, analytical skills, etc.



**Business Standard Quiz:** Quiz papers were sent by Business Standard Team for student subscribers of college. Quiz paper comprised of Questions related to Current Financial Affairs, Business Updates, Key Facts or Milestones, etc. It was wonderful experience for students to attempt the quiz. Later it was evaluated at the college and was sent back to the team. Medals and Certificates were issued to winners of the quiz.

#### **4. Shri M. H. Kadaia Institute of Management and Computer Studies, Ankleshwar:**

##### **Financial Services Skill Council (GTU- FSSC):**

**Seminar on CMA & GST:** The speaker of the seminar was Shri S. N. Mundra (M.Com, LLB, LLM, DTP, PGDIE, ACMA, ACS) Chairman, Bharuch - Ankleshwar Chapter, Institute of Cost Accountants of India. The seminar was very informative for the students and faculty. This seminar was jointly organized by our MBA Institute and ICMA Ankleshwar Bharuch Chapter. Mr. Rakesh Darji was also there to assist Mr. S. N. Mundra. He is working in Lupin Pharma, Ankleshwar.



## 5. Narmada College of Management:

### Skills Council for Marketing (GTU-SCM):

Issues in Sales and Distribution – Institute organized the first lecture on Issues in Sales and Distribution in the Publishing Industry by Shri Gaurav Gagwani, Senior Territory Manager, Pearson India. He shared his six years of experience in the publishing industry, the various sales related issues like Recruitment and Selection, Sales Training, Territory Allocation, Performance Evaluation, Reporting and Appraisal systems and Compensation and Incentives in the publishing industry. Talking about his experiences related to distribution management he shared his insights related to problems with the distributors, policies and practices involved in working with distributors and retailers in publishing. He also shared his experience of planning his sales call, follow up involved in the sales job, frustrations and the joys of the sales job. The Marketing class enjoyed this session thoroughly.

Issues related to Distribution Strategy of Usha Fans: Institute organized the second lecture on Issues in Distribution strategy of Usha Fans by Shri Jasmeet Singh Arora, Bharuch. He shared his live experience about his journey as a Distributor of Usha Fans during last twelve years. He discussed the entire supply chain of the company starting with components for assembly, assembly at the company, dispatch to company depot at Aslali and then how the product comes to its godown. He also discussed issues related to payment collection, order placements, targets, company incentives for dealers and distributors. He also has the retail counters all over the Bharuch District. He discussed with the students issues related to pricing, delivery, payment collection from retailers.

Project Work at McDonald's outlet in Bharuch: As part of its market outreach activity the students of the Marketing class are working with McDonald's India for a market survey project at their Bharuch outlet. The project was carried out during the 12<sup>th</sup> to 15<sup>th</sup> October at the McDonalds outlet. The students were also working with the organization for understanding the needs and preferences of its customer for the Takeaway as well as the walk-in customers. The students were guided by the Project Manager from McDonald's Mr. Saurabh. Five students namely Suresh Pareek, Bhumi Patil, Tejas Makwana, Pooja Sonar and Parmeet Kaur are working on this project from the Marketing class.



Guest Lecture on “Business to Business Marketing: Relationship Dynamics”: Shri Nitin Choksi, General Manager Marketing, Bright Bars Ltd., Ankleshwar shared his knowledge and experience of about various issues related to Business to Business Marketing, specifically in the engineering industry. Having a wide and rich experience of more than 25 years in the engineering products marketing field, he shared with the students the entire process of organizational buyer behaviour and the problems and issues associated with each step. He discussed all major issues right from how to generate an enquiry, to preparing a proper proposal for the customer, how to understand the needs of the consumer, negotiating properly, and closing the sale. He also shared his experience



of dealing with various types of customers and how he successfully sold the product to them. The essence of business to business marketing and sales was the relationship aspect of the sales process. B2B is all about relationship marketing.

Guest Lecture on “Issues in Sales and Distribution - Ice Cream Industry”: Shri Himanshu Shah, DGM-Marketing, Vadilal Ice-cream Ltd., Vadodara was kind enough to accept our invitation for sharing his live experience without students. He began his talk by discussing the various types of sales and selling situations which a salesperson faces in his daily routine and how to be a successful salesperson. He stressed that relationship building is very important in the sales field. He also discussed important issues related to distribution management and problems and solutions with dealer’s distributors with live and practical examples.

## 6. LJ MBA:

### Skills Council for Marketing (GTU-SCM):

Marketing Excellence Series (MAX) 2017, focused on the impact of digitalization on businesses (opportunities, challenges & trends) and how organizations and individuals adopt and use digital marketing for business & professional growth. Leading digital marketing experts interacted with the 2<sup>nd</sup> year marketing students of LJ MBA on the 15<sup>th</sup> & 16<sup>th</sup> of September, 2017 on issues, opportunities and challenges arising due to digital disruption and the role of marketing in it. List of Experts with relevant details.

Timing / Day	15 <sup>th</sup> Sept., 2017 (Friday)	16 <sup>th</sup> Sept., 2017 (Saturday)
10:00 to 11:30	Shirish H Patil, Founder and CEO at Turv Consulting Topic: Digital Disruptions in traditional Marketing, Holistic view of Digital Marketing, The Power of data in Digital Marketing and Trends & Future of Marketing	Mr. Nitin Bhaskar, Director – Sales & Marketing, Archive records management services Topic: Impact of Digitization on Sales & Marketing
11:30 to 1:00	Dr. Khushbu Pandya, Founder - The Social Conclave, Founder & Social Media Strategist - Konvophilia Topic: How to weave Social Media into your Business	RJ Harshil, Radio City & Business Partner at Zillion Web Topic: Social Media and Personal Branding
1:30 to 3:00	Mr. Jigar Shah, Regional Merchandiser, Fabindia Topic: Inside Retail - Offline, Online & Omni Channel	Mr. Suny Kurapa, Founder-SnapHire (Amazon) Topic: New Era under Digital Marketing and how students can be an entrepreneur by learning digitization tools and techniques.



Mr. Shrirish Patil



RJ Harshil with MAX team and students

### Council for Human Resource Studies and Organizational Structures (GTU-CHRSOS):

HR EXCELLENCE SERIES – 2017: Adding value to the learning process LJ MBA organizes exclusive series called FINEX, MAX, and HRX for strengthening the practical concepts of the students and help them understand corporate dealings in the same. HRX – HR EXCELLENCE SERIES is one of such programs and it is organized every year. It helps students understand and strengthen various concepts of HR through direct interaction with HR experts from the industry.

- Program details: The series focused on classroom interaction and industrial visit. The classroom interaction was organized on 15<sup>th</sup> and 16<sup>th</sup> September, 2017. The series was organized only for 2<sup>nd</sup> year specialization students. In all 50 students had participated in the program. Eminent HR experts were invited from different industries like Health Care, Infrastructure, FMCG, Petrochemicals. Textile Industrial visit was organized on 14<sup>th</sup> September, 2017 at Arvind Mills.

**An industrial visit** was organized on 14<sup>th</sup> September, 2017 at Arvind mills. During the visit the students were explained the technicalities involved in industrial relations and the implications of theoretical knowledge of labour laws into practical application. The students were explained the practicality of factories Act, 1948 in detail.

**Expert talk by Ms. Sangeeta Nair, Centre HR Head, Apollo CBC Cancer Care:** Ms. Sangeeta focused on the skills and competencies required to become a successful HR manager and emphasized the fact that understanding the employees is a major skill required for a HR professional. She discussed the evolution of HR from a traditional administration and personnel department to a separate Human Resource Management Department.

**Expert talk by Mr. Hitesh Patel, Director, Suryam Developers:** Mr. Patel being an entrepreneur himself, highlighted the fact that managing people is an integral part for an entrepreneur to succeed in his business and achieve the ultimate goal of profit. HR plays a vital role for any budding or established entrepreneur. His session turned out to be very interesting as he started his session with management game. He encouraged the students to be lifelong learners. The key takes away from his session were out of the box thinking, career advancement, healthy interaction with people, time management.

**Expert talk by Mr. Kumar Sahil, Manager - HR, Coca Cola:** Mr. Sahil was accompanied by two more people from his team namely Mr. Siddharth Pandit and Mr. Nishith. Mr. Sahil emphasized on the importance of HR department in any organization or industry and explained various HR practices followed by Coca Cola. He discussed about the growing role of technology in managing human resources. He also discussed about the practicalities involved in recruitment, selection and change management.

**Guest Lecture by Mr. Haresh Chaturvedi, Vice President - HR, Reliance Industries:** Mr. Chaturvedi talked about the changing role of Human Resource Management and shared his own experiences of dealing with various HR issues across different organizations and industries in which he had worked. The focal point of his discussion was the role of HR department becoming a strategic partner. He discussed about the linkage between the HR strategies and business growth.

**Expert talk by Mr. Naresh Tarwani, Head - Employee Relations, Arvind Mills:** With a wider experience in Industrial relations, Mr. Tarwani shared his experience of dealing with various IR issues that he had faced during his career and specifically mentioned the difference of dealing with workers and employees. He also shared his experience on dealing with strikes, lock outs, worker grievances and the actual implementation of labour laws.

The HR Excellence Series – 2017 was concluded by a certificate distribution ceremony. The HR Excellence series was organized at LJ School of Law.

## **7. Geetanjali Institute of Management Studies:**

### **Skills Council for Marketing (GTU-SCM):**

Logo, tagline and punch line presentation

Instant advertising making

Videos on retail management

### **Financial Services Skill Council (GTU- FSSC):**

Discussion on various IPOs

Presentation on Plastic Money

Quiz on various topics of finance



### **Council for Human Resource Studies and Organizational Structures (GTU-CHRSOS)**

Group activity on “TWO STRENGTH AND ONE WEAKNESS” for better communication and co-ordination.

Comparison of Financial and non- financial rewards provided by Reliance, TCS and Infosys.

Discussion on different employee engagement activities.

## **8. S. R. Luthra Institute of Management, Surat**

A Session on Enhancing Presentation Skills was conducted by the Skill Council of Finance, Marketing & HR by the Semester III students on 7<sup>th</sup> October 2017. The session was divided in two major aspects where, in the first there were mock presentations done by the students. Mr. Rahul Prajapati (Student, Shift II); Mr. Rahul Rathi (Student, Shift I) & Ms. Archana Sharma (Student, Shift I) prepared topics and presentation of their choice and delivered a presentation to the class. The main purpose of these mock presentations was to know what strengths are and how to improve upon the weaknesses in the same.

In the second part of the session the ways to enhance and improve presentation skills were delivered to the students. The sessions were delivered by internal faculties of the institute i.e. Dr. Ranjan Sabhaya (Assistant Professor), Ms. Roshni Singh (Assistant Professor) & Ms. Parinaz Bharucha (Assistant Professor). The students were made to understand that an effective presentation makes the best use of the relationship between the presenter and the audience. It takes full consideration of the audience's needs in order to capture their interest, develop their understanding, inspire their confidence and achieve the presenter's objectives. Structuring the presentation step by step, engaging the audience, creativity by giving effects or by a video or by a game, explaining the message and purpose of topic, not more than 4-5 slides. If presentation is for one-hour, strong opening and closing are major elements for a presentation. Planning and organizing presentation in such a way that audience gets your message. Reaching on time, pitching of voice, new ideas, calming your nerves, proper body language, and strong non-verbal communication were some major elements being discussed in the session. And a good and learning session was concluded by "If you can speak, you can influence and if you can influence, then you can change lives".

### **Report on "Career Avenues & Certification Program" organized by Skill Council:**

A Session on Career Avenues & Certification Program was conducted by the Skill Council of Finance by the Semester III students on 12<sup>th</sup> October 2017.

To enhance the career opportunities, it is very important to know about various certification programs. Due to increase in competition in various areas like Finance, Information Technology, Engineering, Medicines, Project Management, Teaching, etc. getting a Certification Course has become necessary for a person to stand ahead of others in competition.

The session was conducted by Mr. Imran Shaikh (Assistant Professor) and Mr. Ashish Patil (Assistant Professor) on various certification courses. It includes NISM, IBPS for clerk and PO, Diploma in Banking Technology, CFA (Chartered Financial Assistant) and FMC (Financial Modeling course). The main aspects of the session were to explain the students regarding importance and value of various certification courses to build bright career in future.

The students were made to understand that Certification has found its way into almost every industry for a reason: It helps advance the profession. Certification helps employers evaluate potential new hires, analyse job performance, evaluate employees, select contractors, market services, and motivate employees to enhance their skills and knowledge. Certification gives recognition of competency, shows commitment to the profession, and helps with job advancement. There has been an explosive growth in professional certification.

Certification Course helps an individual to showcase his competency, commitment for the profession, build expertise in his professional subject area, and helps with job advancement. It is a designation earned by a person giving a kind of assurance to the company of his competencies of performing a job.

Studying for and passing certification exam signals to your employer that you meet the highest level of academic and clinical standards. Although certification is voluntary individuals have the responsibility to demonstrate competence before expecting the recognition and rewards of a profession. In addition, certification and the process of certificate maintenance through continuing education lend credibility to the profession in legislative and policy arenas.

**Prepared by:**  
**Mr. Hitesh Gujarati**  
**Mr. Vikrant Vala**  
**Dr. Krishnaba Vaghela**

## **Skill Development Centre**

### **Skilling India Mission at GTU:**

Gujarat Technological University (GTU) is probably the only technological university in our country, which has been making continuous need based interventions to make our engineering curriculum both practice-oriented and design-based, while involving industries actively in the process. It has been working for the development of high-level skills as a part of the educational process.

GTU proposes to establish five Skill Development Centres (SDC) in nineteen trades, which are a part of the engineering curriculum. Thus, GTU may establish as many as 95 SDCs by upgrading the workshops of some of the Polytechnics and Engineering Colleges.

As India succeeds in the Campaign of Honourable Prime Minister “Make in India”, as the Vibrant Gujarat 2015 succeeds in bringing huge new investments into manufacturing, Gujarat will require not only well-trained technologists, but it would also require skilled workforce.

The implementation of this vision, in a small part has started igniting the innovative are spirits of the youth at GTU. The need is to equip the youth with the necessary knowledge and skills and to facilitate the progress of thousands of their dreams. This is the kind of vision, which in ten years will make India a significant player in the fields of new technologies and new products and processes for ushering a smarter and more equitable world.

### **GTU - Welding Centre of Excellence:**

GTU is planning to establish a few centres of excellence for skill up-scaling and skill development. The primary objective is to provide facilities for hands-on experience on today's technologies. This will be designed to be a research and innovation centre where the focus will be on Training, Knowledge transfer, Projects, Application, Research and Innovation.





To move a step forward in this direction, Gujarat Technological University (GTU) in association with Centre for Entrepreneurship Development (CED) & Keepsake Engineering Consultancy Pvt. Ltd is set up Skill Development Centres in Welding sector at L. D. College of Engineering, Ahmedabad, Gujarat 380015 and it inaugurated on 21<sup>st</sup> September 2017 by august hands of Shri Bhupendrasinh Chudasama, Honourable Minister, Education, (Primary, Secondary, Adult)

Higher & Technical Education, Legislative & Parliamentary Affairs.

#### **The Proposed Centre Will Have:**

Tungsten Inert Gas (TIG) welding, Metal Inert Gas (MIG) welding or Metal Active Gas (MAG) welding, Plasma welding, Robotic Welding  
Manual Metal Arc welding (MMA) & Non-Destructive Testing (NDT).



#### **GTU - Telecom Centre of Excellence:**

Gujarat Technological University (GTU) in association with Centre for Entrepreneurship Development (CED) & Tejas Network Limited is planning to set up Skill Development Centres in Telecom sector at various locations in Gujarat. In today's ever-changing world of telecom to remain competitive, it is imperative to keep up with the pace of technology changes. Education cannot maximize learning unless it is coupled with industry relevant knowledge. GTU bridge this gap and gain an edge by having industry accredited knowledge imparted by leading telecom Innovation Company.

Aim of these courses will be to develop/upgrade skill sets of the students and make them industry specially designed training programs. To satisfy the humongous need of skilled human resources for deployment, maintenance and management in Telecom Industry which has raised by unprecedented growth in the sector due to the initiatives by Government and Private Operators.

**Prepared by:**  
**Mr. Margam Suthar**

## Research and Consultancy Services Cell (RCSC)

Gujarat Technological University recognizes that consultancy is one of the vehicle through which university can play an important role in the dissemination of knowledge and expertise. Sub clause (5) of Clause 3 of Chapter-II of Gujarat Technological Act (GTU Act No. 20 of 2007) specifies as follows

*“The objective of the University shall be to develop the knowledge of science, engineering, technology, management and environment of the advance of quality of life of the mankind in general.....and other objectives shall be as follows, namely: -*

- (ii) To create capabilities for development of knowledge, skill and competency at various level*
- (v) To function as leading resource centre for knowledge management and entrepreneurship development in the area of science and technology*
- (vi) To provide inter-relationship for national and global participation in the field of science, engineering, technology and management*
- (xii) To establish close linkages with industry to make teaching, training and research at the University relevant to the needs of the industry at national and global levels.*
- (xiii) To develop and maintain relationship with teachers, researchers and experts in any part of world for achieving the objects of the University”*

The research and consulting services by staff members will help university achieve above objects and will also enhance the image of the University and strengthen the teaching and the research capabilities. So, the Gujarat Technological University encourages staff members to participate in consulting activities appropriate to their academic areas or professional competence. Also, UGC (Fitness of Technological Universities for Grants) Rules, 1978, 3.3 specifies that

*“In exercise of the power conferred by Section 25, read with Section 12-A Now read as 12-B of the University Grants Commission 1956 (3 of 1956), the Central Government hereby makes the following rules, namely*

*Fitness for Grant: No Technological University to which these rules apply be declared to be fit to receive grant from the Central Government, the Commission or any other organisation receiving any funds from the Central Government unless the Commission is satisfied in respect of the following matters, namely-*

- (c) it provides adequate link with the industry for its courses and is in a position to provide for high level consultancy to the industry;*
- (d) it provides courses of extension and devotes attention for regional development;”*

All India Council for Technical Education, vide various circulars has considered research, consultancy and extension services as key parameter to assess quality of technical education. Also, it is felt from our experience at University that, in order to ensure effective teaching in the technological institutions, there is a great need for interaction with the industry and other comparable institutions of higher learning in the form of Industrial Consultancy; Sponsored Research; Transfer of know-how in the shape of patents etc.; Inter-institutional collaboration in selected research areas of mutual interest. On the other hand, Gujarat Technological University has a large number of highly qualified faculty members in different fields of technology and management. Hence Gujarat Technological University can provide



consultancy services to large and complex consultancy projects for industries and business as well as for government organizations. The project may be requiring engineering competence or it may require expertise in the areas of management / finance / HR. And being the only state technological University of Gujarat State, it is responsibility of Gujarat Technological University to cater such needs. This very idea of utilizing available technical know-how to enhance the university academics and also catering local and national needs for state and nation development leads to creation of “Research and Consultancy Cell” and University Board of Governors vide it’s resolution in the meeting dated 3<sup>rd</sup> February 2014 has approved formation of RCSC.

Following is the list of projects taken up by GTU-RCSC headed by Dr. Nilesh Jha, under guidance of Honourable Vice Chancellor

<b>List of Projects taken up by RCSC till 2017</b>				
<b>Sr. No.</b>	<b>Team Leader</b>	<b>Client Organization</b>	<b>Title of Project</b>	<b>Other Team Members</b>
1	Dr. Rajul K Gajjar Dean, GTU and Principal, Vishwakarma Government Engineering College, Ahmedabad	Tourism Corporation of Gujarat Limited Gandhinagar, Gujarat	Third Party Inspection and Quality Control for Shamlaji Project - 1 Aravali, Gujarat	Dr. G. P. Vadodaria Dr. B. J. Shah Prof. A. B. Patel
2	Dr. B. J. Shah Professor Department of Applied Mechanics L. D. College of Engineering, Ahmedabad	Roads and Building Department Surat, Gujarat	DPR for Pipalkhed- Keliyat Bridge; Ch:5/6 to 5/8, Navsari	Dr. Nilesh S. Jha Mr. Kalpesh Shah Prof. C. D. Patel Mr. Yogesh Chauhan
3	Dr. G. P. Vadodaria Principal L. D. College of Engineering, Ahmedabad	Town Planning and Valuation Department Gandhinagar, Gujarat	Training Program for Officers / Employees of "Town Planning and Valuation Department" Gujarat State	Dr. Nilesh S. Jha
4	Dr. G. P. Vadodaria Principal L. D. College of Engineering, Ahmedabad	Gujarat Maritime Board Gandhinagar, Gujarat	DPR for establishment of GMB Polytechnic under PPP model at Rajula (Phase - I)	Dr. Rupesh Vasani Dr. Nilesh S. Jha Shri Vijay Anadkat Prof. P. D. Patel
5	Dr. G. P. Vadodaria Principal L. D. College of Engineering, Ahmedabad	Gujarat Maritime Board Gandhinagar, Gujarat	DPR for establishment of GMB Polytechnic under PPP model at Rajula (Phase - II)	Dr. Nilesh S. Jha Dr. B. J. Shah Prof. B. J. Panchal Prof. Ushma Anerao Shri P. N. Jain

GTU-RCSC has initially taken up areas like Urban Development, Water supply, Environment, Capacity building programs, Project Report etc. Gradually more engineering branches are incorporated and ends are open to include any area of knowledge management and entrepreneurship development in the area of science, technology and management.

**Prepared by:  
Mr. Sumit Sharma**

## **Integrated Training and Placement Cell (ITAP)**

Integrated Training and Placement section of Gujarat Technological University is a centralised Training and Placement Cell which operates to generate employment to students of all affiliated institutions by providing an exclusive platform to corporates for mass recruitment. Further it also works to enhance high level of employability skills through imparting training in all required areas of not only student development but also for the development of training and Placement officers.

GTU ITAP operates through the detailed centralized placement procedure and the updates related to placement are circulated through the web portal of GTU main website and GTU Placements.

### **Important Training and Placement Initiatives taken by ITAP:**

#### **Train the TPO program**

Train the Training and Placement Officers (TPOs) Program was held on 21<sup>st</sup> August 2017 at GTU Chandkheda for training and placement officers of affiliated colleges to sharpen their skills to organize and conduct placement drives. ITAP also planned that Train the TPOs Program should organized at Zonal level. 60 TPOs from all the GTU affiliated colleges had participated in this one-day training session. Experts are called from the various industries to deliver the sessions and to suggest the right skill set required for the development of the Industries. The main objective of this initiative is to enhance the required skill sets to ensure excellent placement statistics.



#### **Late Shri Dewang Mehta IT Award 2017:**

To presents the Awards, Prof. (Dr.) Navin Sheth, Vice Chancellor, Gujarat Technological University, Shri Ashank Desai, Founder 7 Former Chairman, Mastek Ltd & Co-Founder, NASSCOM, were present as Guest of Honour among dignitaries on the Dias in the ceremony. Evaluation Criteria for project nomination was: Originality, Most Innovative, Sustainable, Social Impact, Implement-ability and Scalability, Presentation and Communication skill.



## **Thermax Apprenticeship Program Placement Drive for Graduate and Diploma Students:**

ITAP had conducted Centralized Placement Drive for Thermax Apprenticeship Program for Graduate (B.E) and Diploma Students. This Placement Drive was held in Phases mainly covering Online Test, Group Discussion and Personal Interview from 14<sup>th</sup> to 15<sup>th</sup> October 2017 for BE students and on 3<sup>rd</sup> November 2017 for Diploma Students.



For BE Chemical and Mechanical Students appointment 5 students was done as Graduate Apprenticeship Trainee for 1 Year and are Entitled for stipend for accommodation out of 27 shortlisted students. For Diploma Electrical and Instrumentation appointment of 2 students was done as Diploma Apprenticeship Trainee for 1 Year and are entitled for stipend.



**Prepared by:**  
**Ms. Sweta Bambuwala**

## **Intellectual Property Rights Cell (IPR)**

GTU is one of the prominent and leading technological university in India, who has started its dedicated IPR mission since from September 2011. So far GTU has made a long journey on this pathway and achieved many great milestones. So far GTU has conducted more than 90 workshops on various themes of “Patenting in Engineering”, “Patenting in Pharmaceuticals”, “Patent Search Methodology”, “Patent Search and Analysis Report (PSAR)”, “Patent Clinic”, “Patent Drafting Exercise (PDE)”, “PatenTrack”, “PCT Patent Journal Analysis Activity and “Patent Search & Technology Landscaping (PSTL)” have been organized by GTU. At GTU, more than 6,500 faculty members of Engineering and Pharmacy have been trained, which makes the largest effort in the country for IPR literacy among faculty and students by any technological university.

Under PSAR activity, more than 1,69,000 students have studied and prepared more than 8,47,000 patent search and analysis reports and these have been uploaded on the web-site by studying equal number of patents during the four-academic year from 2013-14 to 2016-17. Under PDE activity, more than 56,800 provisional patent documents have been drafted as learning exercise by students in four academic years from 2013-14 to 2016-17.

GTU’s aim is to encourage students, faculty and academic researcher to do innovative research projects and to file patent applications based on their research work. And to further facilitate them for commercialisation of their technologies.

Due to lack of awareness many researchers didn't get advantage of whatever the efforts they have put into experimentation and research. GTU has also started the two very specialized courses on IPR namely Post Graduate Diploma in IPR (PGDIPR) and IP Valuation and Management (IPVM). The course content is designed in such a way and quality training to all enrolled candidates is provided so as to produce large number of trained human resources, who can effectively cater to increase the IP awareness among all parts of society, protecting the intellectual property (IP) of researchers, society and industry, as well who can contribute to take innovation index of our nation to much higher level. GTU has launched "Post Graduate Diploma in IPR (PGDIPR)" course since September 2014, and two batch had successfully completed their course. GTU has also started 6 months off campus certification course on "IP Valuation and Management (IPVM)" in January 2016. Both the courses have received a huge response from participants. 3rd Batch of Course on Post Graduate Diploma in IPR (PGDIPR) and 2<sup>nd</sup> Batch of Course on IP Valuation and Management (IPVM) is started September 2017.

A Comprehensive Report on GTU's Intellectual Property Right (IPR) Endeavours is available at: <http://www.gtu.ac.in/uploads/19122016.pdf>

NRDC to set up Innovation Facilitation Centre at GTU for Start-up & IPR awareness

GTU selected for being on top rank among Universities all over the Country for setting up a GTU-NRDC–Innovation Facilitation Centre.

National Research Development Corporation (NRDC) working under Govt. of India's Department for Scientific & Industrial Research in Ministry of Science & Technology has selected Gujarat Technological University (GTU) for setting up a NRDC-Innovation Facilitation Centre. GTU is the only university in Gujarat to receive the permission for setting up such Centre.

An MOU is signed to establish the Centre at GTU. Based on the continuous efforts made by GTU in the field of IP Research and Training since inception, such centre is being set up at GTU. The objective of establishing the NRDC-Innovation Facilitation Centre is to promote IP & Innovation awareness and culture amongst the students, faculty, researchers and start-ups. Various courses have been introduced to give information of 'Intellectual Property Rights' and 'Patents'. As a result of the tremendous efforts of the University, the students and faculty members from GTU and associated colleges have filed more than 350 patents. The new NRDC-Innovation Facilitation Centre will be helpful in spreading awareness about patent & IPR. This can also be helpful to students for getting patent for



NRDC to set up Innovation Facilitation Centre at GTU for Start-up & IPR awareness



3<sup>rd</sup> Batch of Post Graduate Diploma in IPR (PGDIPR) Course

their innovative projects, which can be later converted to product or service useful in solving the problems of industry and society.

Under this centre, GTU has received a grant of Rs. 6, 00,000/- from NRDC.

**Prepared by:  
Mr. Amit Patel**

## **Curriculum Development Cell (CDC)**

Gujarat Technological University is committed for the development of the knowledge in area of Science, Engineering, Technology and Management for the advancement of quality for the life of mankind in general and in relation to the domain of engineering and technological development and applications. GTU function as a leading resource centre for knowledge management and entrepreneurship development in the areas of science and technology by establishing close linkages with industry and academia.

To meet the need of industry at national and global level, GTU has passed through various process, path, mechanism, projects and events for developing a tough process, mechanism, implementation strategy, and other issues in general to make the university one of the leading university in country. Its Curriculum Development Cell (CDC) crafts the Syllabus / curricula to bridge the gap between academia and industries through a demand driven module and to create employable and entrepreneurship minded engineers and professionals.

### **The Status:**

GTU completed the huge task of developing new syllabi for the diploma students by 2015 with the help of NITTTR faculties. Since then, CDC is continuously improving and try to accomplish the suggestions of the faculties by accommodating new changes in the syllabi so that better education and training platform can be provided to the students of the university.

### **Development & Initiatives:**

For the branches of Aeronautical and Agriculture, new syllabus of last year is approved and adopted with the help of senior faculties and advisors. The newly adopted syllabus is well accepted by the students and faculties. Processes are also going on for the modification in the syllabus of the Diploma in Architecture and Diploma in Architectural Assistantship as per the guidelines issued by the Council of Architecture.

**Prepared by:  
Prof. Kshama Shah  
Mr. Hitesh Gujarati**



## CO-CURRICULAR ACTIVITIES

Gujarat Technological University is formed to excel in technical education. In addition, it also wants to be a leader in various co-curricular activities like Sports Activities, NSS Activities, Cultural Activities Social Activities NCC etc. for its students.

### Sports Activities:

Total 28 sports events are included in the 7<sup>th</sup> GTU Sports Festival “Spirit 2017-2018. Sports Festival is organized at zonal level in the first stage i.e. Ahmedabad, Gandhinagar, Surat, V.V Nagar & Rajkot zone. Approximately 50,000 students participated in selection process & more than 10000 students participated in these events. Top two winners in each event participated in Inter Zonal Sports Festival at various places. GTU has sent its team to participate in AIU West Zone Sports Meet at various universities. This year total 650 student’s participant in the West Zone & AIU event of Sports.

Sr. No.	Name of Sports Events	Sr. No.	Name of Sports Events
1	Badminton (B&G)	15	Aquatics (B&G)
2	Basketball (B&G)	16	Athletics (B&G)
3	Kabaddi (B&G)	17	Judo (B&G)
4	Kho-Kho (B&G)	18	Yoga (B&G)
5	Handball (B&G)	19	Gymnastics (B&G)
6	Volleyball (B&G)	20	Softball (B&G)
7	Tennis (B&G)	21	Netball (B&G)
8	Football (B&G)	22	Power Lifting
9	Cross Country (B&G)	23	Weight Lifting, Best Physique
10	Table Tennis (B&G)	24	Chess (B&G)
11	Hockey (B&G)	25	Cricket (B&G)
12	Wrestling (B&G)	26	Taekwondo (B/G)
13	Pistol Shooting & Air Rifle (B&G)	27	Archery (B/G)
14	Roller Sports (Skating)	28	Tug of War

GTU has participated in AIU West Zone - Inter University Competitions in all above-mentioned events for the year 2017-18.

### Achievements of Sports-GTU:

GTU Student, Rishabh Jain won a Bronze Medal in All India Inter University Roller Sports Championship that was held in Chandigarh. The 25-Year old, who Studies at Gujarat Technology University AFFILIATED Bhagwant Mahavir College of Engineering and Technology in Surat, came third behind Anudeep Reddy from Hyderabad and Akshat from Delhi in 1000m Rink Race. Incidentally, Rishabh, who had won many medals in district level Khel maha-kumbh, missed podium finishes in 300m rink race and 10km point to point road race by a whisker.

This year Atit Sheth & Dhruv Patel (SVIT, Vasad), both the students participated in Ranji Trophy from Baroda Cricket Association.



As a special occasion of this year the Sports Section of G.T.U. has organized Maiden West-Zone Tournament of Hockey (Men & Women) at Vadodara in the last week of December 2017.



### **3<sup>rd</sup> Award Function of G.T.U. Sports Section:**

In this year University has given total 1500 Certificates & Trophies to Students, Coaches, Managers, NSS Program Officers, Youth Festival Co-ordinators, Volunteers etc. those who represent GTU and took part in State and National Level in Sports, NSS and Youth Festival.

### **Sports Adventure (Sports Climbing)**

GTU has also participation in Adventure Sports like Kunj Soni & Shrey Soni both the students and Dr. Meeta R. Vyas (O.S.D. Sports) represent the G.T.U. at Mount Abu for Sports Climbing.

### **National Service Scheme (NSS):**

National Service Scheme (NSS) is one of the biggest youth organizations of the nation. It is connecting education campus with community through social service. Total NSS volunteer strength of GTU is 11000. The University Advisory Committee has been formed for the smooth function of the NSS activities. Following activities have been carried out by various institutes.

## Swachhta hi Sewa Abhiyan:

Gujarat Technological University has introduced 100 point activity to enhance the soft skills of the engineering students, and for each activity performed students are allocated points. It is mandatory for students to attain at least 100 points in these activities to earn a degree. As part of the 100 point activity, students involve in Rally for the awareness of Clean Environment and Swachhta around of us. After this Tree plantation and a speech by the RMO of Sanand Govt. Hospital. And the same process is followed by the various N.S.S. Unit near their respective Institutes.



## Gujarat Quiz:

Under the Government of Gujarat's different activities "Gujarat Quiz – 2017" is one of the best events for the development of Student's General Knowledge. G.T.U. conducted Quiz competition at different levels like College level, zonal level. And finally, 10 (Boys) and 10 (Girls) from the different affiliated institutes were selected and amongst them 3 (Boys) and 3 (Girls) took part in the State Level/ Inter University level Competition.



In Boys section Parmar Bhaumik stood First, Kakdiya Maulik second and Purohit Ravindra was Third place. And in Girls Section Shingada Vidhi First, Sarvaiya Riddhiben Second and Patel Rupal stood Third position.

## Rashtriya Ekta Divas:

Gujarat Technological University celebrated the Rashtriya Ekta Divas on the Birth Anniversary of Shree Sardar Vallabhbhai Patel on 30<sup>th</sup> October, 2017 which is his 142<sup>th</sup> Birthday. Every year we celebrate Sardar Vallabhbhai Patel's birthday as a "Rastriya Ekta Divas". Main aim of this celebration is to motivate the people of this country to preserve unity. Integrity, and internal security of the nation. All faculty members of G.T.U. gathered in B-0 Hall for pledge taking ceremony. The event was co-ordinated by GTU NSS Department.

## Indo-China Cultural Exchange:

GTU had organized Indo-China Cultural Exchange Program at L J College of Engineering Campus, Ahmedabad on 20 November, 2017. Approx. 100 Chinese Youth Delegates along with Hon. Vice Chancellor of GTU, Dr. Navin Sheth, Shri Kamal Kumar Kar, Regional Director, NSS-Gujarat as well as Capt. (Dr) C S Sanghvi Sir with NSS Team were present at the function.



## Achievements of NSS-GTU:

### State NSS Award:

Mr. Alfaz Mankad, NSS Student Volunteer of L D College of Engineering and Ms. Shivangi Patel NSS Student Volunteer of D College of Engineering - Gujarat Technological University have won the State NSS Awards for the year 2016-17. They received the awards on 22<sup>nd</sup> September, 2017 at Kranti Guru Shyamji Krushna Verma University, Kutch.

### NSS State Day Celebration:

The NSS State Day Celebration 2017 was held at Kranti Guru Shyamji Krushna Verma University, Kutch on 22<sup>nd</sup> to 24<sup>th</sup> September 2017. Many Universities from all over Gujarat had participated in it. 25 students from various universities of Gujarat Technological University were selected in different activities.

GTU Students won in 11 activities consisting of Rangoli, Group Dance, Short Film, Kavy Pathan, Short Story, Instrumental, Garba, Solo Song, Skit, Photography and Group Song.



Sr. No.	Name of Events	Position
1	Rangoli	1 <sup>st</sup>
2	Group Dance	1 <sup>st</sup>
3	Short Film	1 <sup>st</sup>
4	Kavy Pathan	1 <sup>st</sup>
5	Short Story	2 <sup>nd</sup>
6	Instrumental	2 <sup>nd</sup>
7	Garba	3 <sup>rd</sup>
8	Solo Song	3 <sup>rd</sup>
9	Skit	3 <sup>rd</sup>
10	Photography	3 <sup>rd</sup>
11	Group Song	3 <sup>rd</sup>



### Indira Gandhi National Award:

NSS Unit of L D College of Engineering (GTU), Capt. (Dr.) C S Sanghvi, Program Officer of L D College of Engineering (GTU), Mr. Alfaz Mankad, NSS Student Volunteer of L D College of Engineering (GTU), has won prestigious INDIRA GANDHI NATIONAL AWARD 2016-17 of National Service Scheme (NSS). GTU received the awards in the category of Best NSS Unit, Best NSS Program and Best NSS Student Volunteer on 21<sup>st</sup> December 2017 at Rashtrapati Bhavan (President House), Delhi from Mr. Rajyavardhan Singh, Minister of Youth Affairs and Sports.

## Republic Day Parade 2018:

It's a proud moment for GTU that Our University's two students Hemankshi Ishwar (L. D. College of Engineering, Ahmedabad) and Saloni Parikh (Vishwakarma Government Engineering College, Chandkheda) have got selected for Republic Day Camp for 26 January 2018 at New Delhi.

## National Integration Camp:

NSS Unit of VGEC, Chandkheda hosted National Integration Camp- 2017 on behalf of Gujarat Technological University, Chandkheda from 12<sup>th</sup> to 17<sup>th</sup> August, 2017. Total 12 Different states like Jaipur, Bhubaneshwar, Pune Kolkata, Lucknow, Patna, Bhopal, Chandigarh, Bangalore, Chennai, Trivandrum, Guwahati and Gujarat with 150 NSS Volunteers participated in the camp.

## Youth Festival – Cultural Activities:

University had organized & finished its seventh Youth Festival "XITIJ 2017" in the month of October 2017. Total 25 events in five main categories are included in the Youth Festival as mentioned in the table. Youth Festival is organized at zonal level in the first stage i.e. Ahmedabad, Gandhinagar, Surat, V.V. Nagar & Rajkot zone. Approximately 12,000 students participated in selection process & approximately 3200 - 3500 students participated in GTU Youth Festival XITIJ 2016. Total 125 colleges participated in the Youth Festival. Youth Festival is organized for the Diploma Institutions also.



The top three winners in each events participated in Inter Zonal Youth Festival at SAL Institute of Engineering, Ahmedabad. Each winner was awarded with certificate of merit & trophies. Each participant got certificate of participation.

## Achievements of Youth Festival -GTU:

It is matter of proud for a university that its team has participated in 33rd west zone youth festival held at M L Sukhadia University, Udaipur Rajasthan during 15th to 19th December, 2017. Team consists of 40 students and 5 team managers along with 18 professionals to help the students in various events during their performances.

In this youth festival 31 different universities from different states like Gujarat,

Sr. No.	Level of Competition	Name of Host Institute	Name of Organizing Chairman	Name of Organizing Secretary	Date of Competition
1	Ahmedabad Zone	Sal Institute of Technology & Engineering	Dr. R P Vasani	Mr. Suresh Sorathiya Mr. Devansh Raval	06-07-08 October, 2017



		Research, Ahmedabad			
2	Gandhinagar Zone	Government Engineering College, Sector - 28, Gandhinagar	Dr. S P Dave	Mr. D R Shah	05-06-07 October, 2017
3	V.V. Nagar Zone	Sigma Institute of Engineering, Vadodara	Mr. P Raja Rao	Mr. Deep P. Thanki	05-06-07 October, 2017
4	Rajkot Zone	Shri Labhubhai Trivedi Inst. of Engi. & Tech., Rajkot	Dr. B. M. Ramani	Prof. Komal Upadhyay Prof. Leela Khaniya	06-07-08 October, 2017
5	Surat Zone	S N Patel Inst. Of Tech. & Research, Umrah	Dr. Neeraj Sharma	Prof. Hitesh Tailor	05-06-07 October, 2017
6	Inter Zonal	Sal Institute of Technology & Engineering Research, Ahmedabad	Dr. R P Vasani	Mr.Suresh Sorathiya Mr. Devansh Raval	13-14-15 October 2017
7	Diploma Inter Zonal	Government Polytechnic, Ahmedabad	Dr. P M Patel	Dr. Nilesh Jha	21-22-23 February, 2018

From Gujarat 17 universities participated but GTU is the only university which had participated in all the events.

Training/practice camp for all the events during 22<sup>nd</sup> November - 14<sup>th</sup> December, 2017 held at Sal Technical campus, before going to M L Sukhadia University all students participated in this camp for better performance of University. Winners will represent university in National youth festival at Ranchi University, Ranchi in the month of February 2018.

GTU has secured maximum Events among all the universities from the Gujarat.

Name of Events	Name of Participants	Rank
Folk Dance	Yash Choudhary	2
	Purvesh Dave	
	Vipul Tomar	
	Parth Patel	
	Parth Kathiriya	
	Vivek Jani	
	Kuldip Thakar	

	Bhargav Desai	
	Rakesh Mahida	
	Manan Kankotiya	
	Divyang Patel	
	Mohil Parmar	
Clay Modelling	Pavan Limbachiya	2
Cartooning	Henil Mistry	2
Western Instrumental	Viraj Mistry	2
Rangoli	Prachi Singh	3
Quiz	Yashrajsinh Dodia	3
	Jeet Dhoriyani	
	Romil Chaudhary	

### **Social Activities:**

The aim of Social activities for the students is to inculcate concept of social responsibilities along with awareness of their own health status. University has focussed on various social activities which directly or indirectly help the society & family members of GTU. Following activities has been taken up by the university.

### **Blood Donation Drives:**

Nation & State faces the deficiency of voluntary blood donation. Therefore, University has advised all the institutes to carry out minimum one blood donation drive per semester or minimum two blood donation drives per year. Many Institutes gave good contribution in the area of Blood Donation in the year 2017-18.

### **Thalassemia Awareness & Testing Program:**

GTU has implemented thalassemia awareness & testing program for the students. It is compulsory for the first year students. Basic purpose of this program is to ensure that in future children of GTU students should not suffer from thalassemia major. GTU has effectively implemented the Thalassemia Awareness & Testing Program.



## Sainik Welfare Fund:

7<sup>th</sup> December is celebrated as Sainik Welfare Flag Day. Fund is raised by the nation to help widow of Martyrs of Indian Armed forces. Collector has given the target to various institutions in this context. GTU has contributed very well in Sainik Welfare Fund & achieved the target given by the authority. GTU has received award for achieving the target given for the collection by Collector, Ahmedabad in a function for the year 2017-18.

## National Cadet Corps (NCC):

Three technical units are working with GTU having total intake of 600 cadets. Forty five institutes have shown interest to establish new NCC units at college level. NCC cadets had participated in various activities, Camps apart from regular training schedule.

Cadets offered Guard of Honour to his Excellency Hon. Shri Om Prakash Kohli, Governor of Gujarat in 06<sup>th</sup> Convocation of GTU in the month of January 2017.



Prepared by:  
Dr. Ravirajsinh Jadeja  
Dr. Meeta R. Vyas

## Motorsports

Formula Student is a student design competition organized by SAE International (Society of Automotive Engineers). As a student, taking part in Formula Student gives them the chance to demonstrate their technical, engineering design, and manufacturing skills. They will also learn important lessons on team working, time management, project management, budgeting and presentation: all things that any prospective employer will be looking for. Formula Student graduates also find that the professionalism they gain as practicing engineers means they are well equipped for their future engineering careers. The team is tasked to produce a prototype for a single-seat race car for autocross or sprint racing, and present it to a hypothetical manufacturing firm. The car must be low in cost, easy to maintain, and reliable, with high performance in terms of its acceleration, braking, and handling qualities. During the competition, the team must demonstrate the logic behind their proposal and must be able to demonstrate that it can support a viable business model for both parties.

GT Motorsports - Formula Student Team GTU is a state level collaboration between 18 colleges spread across Gujarat state, which represents Gujarat Technological University in such Formula Student events held in India. These colleges share physical and intellectual resources by using advanced communication-technology to create a highly competitive vehicle. Formula Design Challenge held in January 2015 was the first event in which the team had participated and as of today the team has

participated in a total of 6 events (2 events per year) building 3 cars in total (1 every year, GTM15, GTM16, GTM17) and has become the National Champions of SUPRA SAEINDIA 2017.

As the team has already registered for the upcoming event Formula Bharat 2018 which is going to be held in the month of January in 2018 at Kari Motor Speedway, Coimbatore, the team needs to prepare a new Formula-styled race car. The team will have a car ready by January 2018, the team will participate in another similar event SUPRA SAEINDIA 2018 which will be held in the month of July in 2018.



Prepared by  
Ms. Jignasha Acharya  
Mr. Parth Sejpal

## LIST OF MoUs

Sr. No	Name of Institution/ University	Focus Areas
1	The AGH University of Science and Technology, Krakow, Poland	<p>Initiate and develop the co-operation in order to jointly pursue original and applied research of mutual interest.</p> <p>Cooperate in improving teaching programs and organization of the teaching process.</p> <p>To an exchange of experience in scientific research and training of specialists.</p>
2	National Research Development Corporation, New Delhi	<p>Setting up of NRDC- Innovation Facilitation Centre (NRDC-IFC) in 'GTU' premises.</p> <p>To facilitate IP generation and enhancement of the commercialization of research from the 'GTU' resulted out of initiatives of IFC.</p> <p>To provide space for establishment of NRDC-GTU-Innovation Facilitation Centre (NRDC-GTUIFC) covering minimum 200 Square feet in its premises for setting up NRDCGTU-IFC on its own ('GTU') expenses.</p>
3	ABMS Open University of Switzerland, Switzerland	<p>To initiate and develop mutually beneficial international cooperation in the areas of science, education and culture, to implement joint research projects among students, scholars and faculty staff.</p> <p>To mutually participate international programs and projects for Science and Education.</p> <p>Festivals of science, exhibitions of innovation and other forms of promotion and popularization of science and innovation.</p>
4	Laksh Career Academy, Ahmedabad	<p>To initiate and develop mutually beneficial cooperation in the area of education with an objective to provide strategic guidance to students and faculty members of GTU appearing for competitive exams.</p> <p>The parties shall cooperate in conducting 'Short Term Training Program on preparation of competitive exams' for faculty members and students of GTU.</p>
5	Department of Pharmaceutical Sciences & Department of Biochemistry, Saurashtra University, Rajkot	<p>To initiate and develop mutually beneficial cooperation in the areas of science, education and culture. To implement joint research projects among students, scholars and Faculty staff or both Parties.</p> <p>To offer practical training or internships for students and faculty staff.</p> <p>To participate and jointly organize Campus interviews and academic meetings. Joint participation in Life Science Sector Skill Development Programs.</p>

6	Silver Oak Group Of Institutes (Ignite), Ahmedabad	<p>To position India at a global level by providing the right resources percolating in the form of high-end knowledge, expertise and know-how to formulate and work at global level for an enriched Start-up Ecosystem.</p> <p>To frame the right strategy, utilizing the creative ingenuity possessed by individuals by jointly organizing workshops/training &amp; capacity building programs/seminars/networking events, discussions, etc. in developing a self-sustaining startup ecosystem.</p> <p>To promote innovations and entrepreneurial opportunities.</p>
7	Engineering Council of India, New Delhi	To work for the advancement of engineering profession in various disciplines and for enhancing the image of engineers in society, by focusing on quality and accountability of engineers.
8	Techno India University, Kolkata	<p>Student exchange, Interaction and involvement including cooperation and competition.</p> <p>Faculty exchange, visit, sharing and collaboration.</p> <p>Staff exchange and Sharing.</p> <p>Joint and collaborative Training, Workshop, Seminar, Conference and Forum.</p> <p>Development maintenance of Centre of Excellence in various academic, professional and co-curricular and extra co-curricular areas.</p>
9	Glopal Management and Services Private Limited, West Bengal	<p>Training and skill development, Product, Service, market consultancy, Research Development, Business support.</p> <p>Entrepreneurship and Intrapreneurship Development Programme.</p> <p>Expert exchange programme.</p> <p>Facilitate and promote each other, their Services, products, Brands, markets.</p> <p>Jointly engage in development of products, services, Brands, markets.</p>
10	Techno India University, Kolkata and Jan Wyzykowski University, Polkowice, Poland	To explore the research gap in knowledge Management provisioning in electronic based business and provide some solutions to fulfil those gaps.
11	Mobile Tutor Private Limited, Chennai	<p>Enabling application oriented course contents for University students pursuing Engineering courses.</p> <p>To develop application oriented, course ware for engineering college students. This will enable students to understand the subject better and deliver better. The company has developed digital contents as per the university syllabus by name M-Tutor.</p> <p>To download the contents in their smart phone or Tablets for offline learning as well as to browse it on their web portal.</p>

12	Arkansas State University - Jonesboro, U.S.A.	Establishment of a long term cooperative endeavours intended to create mutually advantageous relationships. Such cooperative endeavour's may include the exchange of faculty and/or students, joint research or academic activities, or joint educational programs.
13	Limkokwing University of Creative Technology, Malaysia	Develop academic collaboration for faculty and student study tour programs. Explore opportunities for joint research programs and conferences. Setting up an International Design Innovation Centre at GTU to run short courses. Offer global classroom places for GTU students to spend a month or a semester in their Kuala Lumpur or any of her international campuses.
14	Varna University of Management, Varna, Bulgaria	To initiate and develop mutually beneficial international cooperation in the areas of science, education and culture. To implement joint research projects among students, scholars and faculty staff of both parties. To introduce the basic educational programs of further education of GTU and VUM and to work so that both the parties may be able to take advantage of programs of mutual interest. Festivals of science, exhibitions of innovation and other forms of promotions and popularization of science and innovation. To offer practical training or internships for students and faculty staff as an exchange programs.

- from the Office of Registrar



# VISHWAKARMA YOJANA

## Objectives of the Project:

“Developing village with a ‘rural soul’ but with all urban amenities that a city may have” is the main objective of the project. This will help in developing villages in sustainable manner, reduce migration from villages and prevent the cities from the urban pressure.

## Scope of the work:

It is proposed to frame “Vishwakarma Yojana” to provide the benefit of real work experience to engineering students and simultaneously apply their technical knowledge in the development of infrastructure in rural development.

## Rational of the Project:

Success of phase I, II, III, IV has led GTU to include 251 villages for Phase V in the current academic term 2017-18. 494 Students from 43 Diploma & Degree Institutes is working in the current phase V.

## Phase V so far:

To understand the concept of model village/ smart village, students have visited ideal village and collected essential information before starting survey work in the allotted villages.

Study of schemes like SAGY, Smart village, Digital village, mission Antyodaya is made compulsory in this phase.



To Collect all essential information from village such as: Household data, Population detail, Water facilities, Drainage facilities, Sanitation availability, Storm water network, Solid waste Management facilities, Recreation facilities, Education facilities, Health Facilities, Transportation facilities, Road network, Irrigation system, Use of non-conventional energy sources, Migration rate, Literacy rate. Land use Details, Occupational Details and other necessary data analysed for sustainable planning by conducting the techno economic survey to collect primary data by all the students.

Also, we have collaborated Smart Village Project and Mission Antyodaya in this phase so the details in the form of a secondary data is been collected from Gram Panchayat, TDO, DDO and various Government organizations.

Techno economic survey and smart village survey for the 251 Villages have already been completed by the Students of respective Degree and Diploma institutes in Phase –V. To help students in all the way, GTU has organized Orientation workshops in all the zone for effective





Data collection. The Workshops helped students to understand the overall methodology for the data collection and to include all the aspect for village development plan.

From the gap analysis, development strategies for village development have been proposed and planning proposals for Physical infrastructure, Social Infrastructure, Socio - Cultural infrastructures, Sustainable infrastructure and repair & Maintenance of existing infrastructures for selected villages are suggested and proposals have been designed as per all regulations and norms with consultation of TDO, DDO & Sarpanch by the Students. Design proposals have been divided in the following categories:

For Each village students has proposed four- five designs by considering the necessity of the dwellers.

Students of all respective villages have prepared design proposals for essential infrastructure facilities for village development, to prepare ready to execute documents, Detail estimates with abstract sheet, Measurement sheets, Recapitulation Sheet and detail drawings with all necessary section submitted.

Techno economic survey of the villages have been done in more details and included all the essential parameters to make Rurban village.

Sustainable design phase has included designs like Rain water harvesting systems, Public toilet block with Biogas plant, Dry compost Toilets, Eco sanitations, Various solar applications, waste to energy solutions, Green technologies related to agriculture activities, Pond beautifications and many more which will develop village in sustainable manner.

## **CONSULTANCY ASSIGNMENT**

GTU is appointed as the National Level Expert Institute by the Centre for Entrepreneurship Development (CED), Gandhinagar vide Government Resolution No. CED-112015-24553-I dated 01-04-2015 of Gujarat Industrial Policy, 2015 – Scheme for Enhancement of Technical Competence and Manpower by Industries and Mines Department, Government of Gujarat. The tenure of the appointment as the National Level Expert Institute initially for one year and further it was extended for another two years.

### **The responsibility of GTU as a National Level Expert Institute:**

Guiding, Supervising and Monitoring of all the schemes covered under the Gujarat Industrial Policy, 2015 and should be involved in each and every phase of scheme implementation.

Provide technical opinion to the State Level Implementation Committee (SLIC) for selection of proposals received under various schemes of Gujarat Industrial Policy, 2015.

Recommendation for the Budget of Capital and Operating expenditure proposed by the Anchor Institutes / other Training Institutes.

Technical appraisal, recommending to procure Capital Equipment and Machineries proposed by the Anchor Institutes / other Training Institutes.

Help in design course content, delivery style and teaching methodology through gap findings, feedback collection and interaction with the faculty delivering programmes.

Overall, GTU would play an advisory role to the SLIC for the specific objective of providing need based, industry-responsive managerially and technically competent manpower at various levels to the industries in the state, along with the need of benchmarking the courses.

Any other support and guidance as may be required by the SLIC & CED.

**Execution of the responsibilities:**

GTU had formulated a Core Committee of experts to review the proposal and conducted five meetings during the year.

The sector experts appointed by the GTU have evaluated around 15 proposals and provided the recommendations to CED.

The representatives of GTU have attended several meetings organized by the CED at their office & Industries Commissionerate and also at the training centres of CED.

**Prepared by:**  
**Ms. Darshana Chauhan**  
**Mr. Vikrant Vala**

## ACTIVITIES AT GTU AFFILIATED INSTITUTES \*

Information about Centre of Excellence (COE) at GTU Affiliated Institutes.

Name of COE	Area / Field	Year of Establishment
<b>A. V. Parekh Technical Institute, Rajkot.</b>		
Centre of Excellence for Electronics	Electronics	1994
<b>Atmiya Institute of Technology And Science, Rajkot.</b>		
Centre of Excellence in Telecommunication	E & C Engineering	2017
Centre of Excellence in Robotics by IIT Bombay	E & C Engineering	2017
<b>C. K. Shah Vijapurwala Institute of Management, Surat.</b>		
The Centre for Entrepreneurship and Enterprise Development (CEED)	Entrepreneur and Enterprise	2012
Centre for Marketing Research: (C-MR)	Marketing Research	2012
Management Development Centre (MDC)	Management	2013
Centre for Rural Management (C-RM)	Rural Management	2009-2010
Centre for Human Resource Management (C-HRM)	Human Resource Management	2010
<b>Dr. S. &amp; S.S. Ghandhy Government Engineering College, Surat.</b>		
Centre of Excellence for Ship Building	Mechanical, Electrical, E & C Engineering	2015
<b>Government Engineering College, Patan.</b>		
Centre of Excellence for Automotive	Mechanical Engineering	2015
<b>Government Polytechnic, Jamnagar.</b>		
Centre of Excellence for Automation	Mechanical & Electrical Engineering	2015
<b>L. J. Institute of Engineering &amp; Technology, Ahmedabad.</b>		
L. J. Centre of Excellence	Engineering & Technology	2013
<b>Pacific School of Engineering, Sanki.</b>		
Centre for Environment Research & Technology	Chemical Engineering	2017
Centre for Civil Material Testing & Research	Civil Engineering	-
<b>Sardar Patel College of Engineering, Bakrol.</b>		
ACCIT	IT	2017
<b>Sarvajanik College of Engineering &amp; Technology, Surat.</b>		
GATE and Aptitude Club	Computer Engineering	2016
Oracle Academy Partner	Computer Engineering	2016
<b>Shankersinh Vaghela Bapu Institute of Technology, Vasan.</b>		

Name of COE	Area / Field	Year of Establishment
Centre of Excellence for Mobile Development	Computer Engineering and Information Technology	2017

Number of Research Papers Published by the faculties and students of the institutes affiliated to GTU during the year 2017

Research Papers	International	National
Conference	457	366
Journal	1042	473

List of faculty members of GTU affiliated institutes who have participated in International level Conferences / Workshop outside the India during year 2017

Name of Faculty	Branch	Title of the Event	Duration	Country
<b>Adani Institute of Infrastructure Engineering, Ahmedabad.</b>				
Dr. Jignesh Thaker	Mechanical Engineering	2nd Thermal and Fluid Engineering Conference (TFEC-2017)	4 days (02 - 05 April, 2017)	USA
Dr. Subhanarayan Sahoo	Electrical Engineering	4th Annual Lean Six Sigma Conference in Higher Education in West Lafayette, Indiana	5 days (23 - 27 May, 2017)	USA
<b>Anand Pharmacy College, Anand.</b>				
Dr. Tejal R. Gandhi	Pharmacy	AAPs Student Chapter	1 day (13th September, 2017)	USA
Dr. Tejal R. Gandhi	Pharmacy	Quercetin Ameliorates Cardiomyopathy via Modulation of NrF2 Expression	3 days (31st September to 2nd October, 2017)	USA
Dr. Tejal R. Gandhi	Pharmacy	As a resource person in University of Manitoba	1 day (6th September, 2017)	Canada
<b>Babaria Institute of Pharmacy, Vadodara.</b>				
Dr. Vandana B. Patel	Pharmaceutical Quality Assurance	AAPS Annual Meeting and Exposition 2017	4 days (12 - 15 November, 2017)	USA (San Diego, California)

Name of Faculty	Branch	Title of the Event	Duration	Country
Dr. Naazneen Surti	Pharmacy (Pharmaceutics)	Controlled Release Society Annual Meeting and Exposition	4 days (16 - 19 July, 2017)	Boston, Massachusetts, USA
<b>C. K. Pithawalla College of Engineering &amp; Technology, Surat.</b>				
Dr. Digvijay Kulshreshtha	Mechanical Engineering	2017 International Conference on Aerospace Technology, Communications and Energy Systems	3 days (28 - 30 September, 2017)	Russia
<b>C. K. Shah Vijapurwala Institute of Management, Surat.</b>				
Dr. Rajesh Khajuria	MBA	Preparing Students for Career Success at ACBSP Annual Conference	4 days (24 - 27 June, 2017)	Anaheim, USA
Dr. Rajesh Khajuria	MBA	Value of ACBSP Accreditation and Region 10 (South Asia)	5 days (27 - 31 August, 2017)	Vietnam
<b>GMB Polytechnic, Rajula.</b>				
Mr. Sanket C. Raval	Electrical Engineering	2017 Asian Conference on Energy, Power and Transportation Electrification	3 days (24 - 26 Oct, 2017)	Singapore
<b>Government MCA College, Maninagar (Ahmedabad).</b>				
Dr. Chetan Bhaskerray Bhatt	MCA	"Excellence in Education" by International Society of Automation, at the 55 <sup>th</sup> Annual ISA Honors and Awards Gala	1 day (29 October, 2017)	Florida, USA
<b>Sarvajani College of Engineering &amp; Technology, Surat.</b>				
Prof. Vandana Shah	E & C Engineering	The Second International Conference on Internet of Things, DATA and Clouds Computing, ICC 2017	2 days (22 - 23 March, 2017)	Cambridge, UNI, UK
<b>Shree Dhanvantary Pharmacy College, Kim.</b>				
Mr. Vanrajsinh Thokor	Pharmacy	254th ACS National Meetings & Expo.	5 days (20 - 24 August, 2017)	Washington DC, USA

Number of Patents & Copyrights applied / granted by the faculties / students of GTU Affiliated institutes during the year 2017

Details	Numbers
No. of Patents applied	15
No. of Patents granted	01
No. of Copyrights applied by or granted	05

Project Title	Name of funding Agency	Name of Faculty	Grant Amount
<b>A. D. Patel Institute of Technology, Vitthal Udyognagar.</b>			
Development of green building rating tool for Gujarat	GUJCOST	Dr. Rajiv Bhatt. (PI), Prof. Bhavin Patel (Co-PI)	Rs. 2,25,800/-
Co gasification of agricultural waste bio-mass and coal with H <sub>2</sub> O in a bubbling fluidized bed gasifier for H <sub>2</sub> rich gas	GUJCOST	Mr. Sunil L Narnaware (PI), ISRRE, Dr. V N Singh (CO PI), ADIT	Rs. 5,90,000 /-
Identification of cost effective thermal energy storage material for solar thermal power generation	GUJCOST	Dr. A Mahesh (PI), ISRRE, Dr. V N Singh (CO PI), ADIT	Rs. 1,10,000 /-
2 weeks Faculty Development Program on Entrepreneurship Development - December, 2016	DST	Devang H. Shah	Rs. 2,50,000/-
4 weeks Entrepreneurship Development Program - August-2016	DST	Devang. H. Shah	Rs. 2,00,000/-
Face detection based video analysis	GUJCOST	Prof. Gopi Bhatt (PI), Prof. Siddharth Shah (CO-PI)	Rs. 80,000/-
Design and Development of Digital Protection of Power Transformer	DST	Dr. Nilesh G. Chothani	Rs. 23,86,000/-
Enhancement of the gain of UWB planner antennas using PRS	GUJCOST	Dr. Pravin Prajapati (PI), Prof. Shailesh Khant (CO-PI)	Rs. 2,15,000/-
Simulation and Design of an Automatic Number Plate Identification Algorithm for Indian Vehicles	GUJCOST	Dr. Hetal N. Patel (PI), Dr. Heena Kher (CO-PI)	Rs. 1,75,000/-
Simulation and Design of a Colour Image Watermarking Algorithm using Fractal Mathematics	GUJCOST	Dr. Darshana Prajapati (PI), Dr. Hetal N. Patel (CO-PI)	Rs. 1,99,000/-
Investigation of efficacy of deoxyribonuclease (DNase) and other antimicrobial agents against biofilms of pathogens	Department of Biotechnology, New Delhi	Dr. Ankita Singh (PI), Dr. Ajay Tapre (CO-PI)	Rs. 18,30,000/-
<b>A. R. College of Pharmacy &amp; G. H. Patel Institute of Pharmacy, Vallabh Vidyanagar .</b>			
Design, Development and Optimization of the Self-Nanoemulsifying Drug Delivery System (SNEDDS) of Poorly Soluble Drug	GUJCOST	Dr. A. B. Solanki	Rs. 1,45,000/-



Project Title	Name of funding Agency	Name of Faculty	Grant Amount
Transdermal nanoemulsion for treatment of Schizophrenia: Pharmacokinetic & Pharmacodynamics consideration	GUJCOST	Dr. A. B. Solanki	Rs. 3,90,000/-
Design & Synthesis of Novel selective Serotonin Reuptake Inhibitors ( SSRIs) As Potential Antidepressant Agents	GUJCOST	Dr. V. M. Vaghela	Rs. 1,50,000/-
Standardization and Evaluation of neuroprotective potential of some herbal drugs in Alzheimer's disease	GUJCOST	Dr. (Mrs.) M. R. Kukkar	Rs. 1,30,000/-
Design, Synthesis and Evaluation of Novel TNF – $\alpha$ Inhibitors as Potential Anticancer Agents	RPS- AICTE	Dr. V. M. Vaghela	Rs. 14,00,000/-
<b>Anand Pharmacy College, Anand.</b>			
Evaluation of Anti – epileptogenic activity of herbal practice using maximum electroshock test and pentylenetetrazole induced convulsions	NIF	Dr. Tejal R. Gandhi	Rs. 1,50,000/-
Evaluation of herbal Practices in selenite induced cataract model in rats	NIF	Dr. Tejal R. Gandhi	Rs. 1,20,000/-
Evaluation of Anti – ulcer activity of herbal practice using various animal models	NIF	Dr. Tejal R. Gandhi	Rs. 2,30,000/-
Take 200 gm bark of PLANT 'X' crush on stone and prepare paste. Apply this paste on burning part (Burn-Wound healing)	SRISTI-BIRAC	Mr. Bhavinkumar Patel	Rs. 1,00,000/-
Take PLANT 'X' latex with patasha to cure stone.	-	Ms. Nikita Parekh	Rs. 1,00,000/-
Take 50gm of roots of PLANT 'X' boil into 100ml water. Filter it and administered it orally up to 5 to 6 days	SRISTI-BIRAC	Ms. Navdha Vyas	Rs. 1,00,000/-
Take 200gm of PLANT 'X' juice mixed with 200ml buttermilk. Take it orally up to 2 to 3 days	SRISTI-BIRAC	Mr. Arpit Patel	Rs. 1,00,000/-
Take 1 kg bark of PLANT 'X' and crush with stone. Add 4 litre of water. Add 50g of PLANT 'Y' and boil	SRISTI-BIRAC	Mr. Yash Maniar	Rs. 1,00,000/-

Project Title	Name of funding Agency	Name of Faculty	Grant Amount
it till it became 1 litre. Filter it. Take 50 ml of this solution for 10-12 days.			
Take 500 g of fruit of PLANT 'X' and make kheer from them and eat for 7 days.	SRISTI-BIRAC	Ms. Gurpreet Saini	Rs. 1,00,000/-
Take plant X and Plant Y and make a paste and apply on affected part of skin	SRISTI-BIRAC	Mr. Akash Gondalia	Rs. 1,00,000/-
Take plant X and Plant Y and make a paste and apply on affected part of skin	SRISTI-BIRAC	Ms. Richa Dave	Rs. 1,00,000/-
Evaluation of Anti-Diabetic activity of herbal practices in Streptozotocin induced Type –I Diabetes	NIF	Dr. Tejal Gandhi	Rs. 3,30,000/-
<b>B. &amp; B. Institute of Technology, Vallabh Vidyanagar.</b>			
Numerical and Experimental Analysis of Earth Tube Heat Exchanger Performance at Indian Climates Conditions	GUJCOST	Dr. R. D. Patel	Rs. 3,75,000/-
<b>B. K. Mody Government Pharmacy College, Rajkot.</b>			
Application of Nanotechnology for Effective Treatment of Tuberculosis	GUJCOST	Dr. Sunny Shah	Rs. 4,82,000/-
Development and Evaluation of Ziprasidone HCl Loaded Nanosuspension for Bioavailability Enhancement	GUJCOST	Ms. Jalpa Paun	Rs. 4,75,000/-
<b>Birla Vishvakarma Mahavidyalaya (Engineering College), Vallabh Vidyanagar.</b>			
Analysis and Design of Wireless Communication System for Improvement in Parameters using Adaptive MIMO-OFDM	GUJCOST	Prof. M. M. Solanki (PI), Dr. J. M. Rathod (CO-PI)	Rs. 1,65,000/-
Geomorphological Study of Gulf of Cambay Emphasis on Shoreline Change Detection using Geospatial Techniques	GUJCOST	Prof. D. S. Modi	Rs. 7,15,000/-
An Experiment on the Behaviour of Steel Fibre Reinforced Ternary Blended High Strength Concrete Subjected to Sustained Elevated Temperature	GUJCOST	Dr. D. A. Sinha	Rs. 65,000/-
An Impact of Shared Memory design on Multiprocessor System	GUJCOST	Mr. Hemant Vasava (PI), Dr. J. M. Rathod (CO-PI)	Rs. 7,00,000/-

Project Title	Name of funding Agency	Name of Faculty	Grant Amount
and Performance Improvement using DSM software based Approach			
Design and analysis of wireless communication system for improvement in system parameters using adaptive MIMO-OFDM	GUJCOST	Mr. M. M. Solanki (PI), Dr. J. M. Rathod (CO-PI)	Rs. 4,85,000/-
Content Based Video Indexing And Retrieval	NVIDIA	Dr. M. S. Holia	Rs. 1,25,000/-
Air Pollution Monitoring System for Anand City based on Delay Tolerance Communication Technology	GUJCOST	Prof. A. A. Vahora (PI), Dr. L. B. Zala (CO-PI)	Rs. 1,10,000/-
IoT and Artificial Intelligence Laboratory	MODROBS and AICTE	Mr. N. B. Prajapati (PI), Mrs. Z. H. Shah (CO-PI)	Rs. 99,000/-
SSIP	Education Department (GOG)	Dr. B.C. Goradiya, Prof J.N. Jain, Prof R.C. Rana	Rs. 20,00,000/-
<b>C. K. Pithawalla College of Engineering &amp; Technology, Surat.</b>			
Combustor Technology Development for Small Gas Turbine/Turbofan Engine	DRDO	Dr. S. A. Channiwala, Dr. Digvijay Kulshreshtha	Rs. 1,74,22,000/-
<b>Darshan Institute of Engineering &amp; Technology, Rajkot.</b>			
Operation and Maintenance of Energy Conservation Mobile Demonstration Van - "Urja Mitra" for promotion of Energy Conservation Programs in Society.	GEDA	Prof. K. R. Siddhapara	Rs. 9,90,000/-
<b>Gandhinagar Institute of Technology, Khatraj.</b>			
Design, Development and Analysis of Multi-Stage Active Solar Distillation for Small Scale Drinking Water Application	GUJCOST	Dr. N. M. Bhatt	Rs. 5,50,000/-
<b>Government Engineering College, Patan.</b>			
Design, Development and Analysis of Multi-Stage active Solar distillation for Small scale drinking water application	GUJCOST	Dr. Hitesh Panchal	Rs. 5,50,000/-
Investigation on Hybrid solar desalination system integrated with	DST	Dr. Hitesh Panchal	Rs. 9,54,610/-

Project Title	Name of funding Agency	Name of Faculty	Grant Amount
humidification, dehumidification and single stage flashing evaporation system for rural application			
<b>L. J. Institute of Engineering &amp; Technology, Ahmedabad.</b>			
Digital Water Meter	DST	Mr. Bhushan H. Mehta, Mr. Sneh Soni	Rs. 2,50,000/-
Advanced Data Monitoring System	DST	Mr. Bhushan H Mehta	Rs. 2,50,000/-
Bottle Rinsing, Filling, Capping & Labelling Plant	DST	Mr. Bhushan H. Mehta, Mr. Sneh Soni	Rs. 2,50,000/-
Quick Pick	DST	Mr. Harshul Brahmabhatt	Rs. 2,50,000/-
Desktop Cooler	DST	Mr. Ajay Gupta	Rs. 2,50,000/-
Automatic Tissue Dispenser	DST	Mr. Milan Pandya	Rs. 2,50,000/-
Divider Painting Machine	DST	Mr. Anant Songade, Mr. Raumil Maniar	Rs. 2,50,000/-
Stair Climbing Trolley	DST	Mr. Jignesh Chhatbar	Rs. 2,50,000/-
Customized Memento	DST	Dr. A. C. Suthar	Rs. 2,50,000/-
Attendance Using Face Detection	DST	Mr. Rahul Pancholi	Rs. 2,50,000/-
<b>L. M. College of Pharmacy, Ahmedabad.</b>			
Psychopharmacological evaluation of herbal formulation - An experimental Study	GUJCOST	Dr. S. S. Goswami	Rs. 1,63,000/-
Development of herbal formulation for autoimmune related disorder	GUJCOST	Dr. M. B. Shah	Rs. 1,40,000/-
Investigation in to antiasthamatic activity of TLR-4 antagonist in experimental models of asthma	GUJCOST	Dr. A. A. Mehta	Rs. 2,00,000/-
<b>Madhuben &amp; Bhanubhai Patel Women's Institute of Engineering for Studies &amp; Research In Computer &amp; Communication Technology, Vithal Udyognagar.</b>			
Minor Research Project : Women Security - A Distributed Android App	GUJCOST	Prof. Chirag Patel	Rs. 63,000/-
<b>Parul Institute of Engg. And Tech.(Diploma Studies), Vadodara.</b>			
Biotoilet	Engineering Seva Trust	Dr. Anjali Thakur	Rs. 10,000/-
IGBC Green Campus	-	Dr. Anjali Thakur	-
<b>Sal College of Engineering, Ahmedabad.</b>			

Project Title	Name of funding Agency	Name of Faculty	Grant Amount
Profitbin	Govt. of Gujarat under Start-up Scheme	Prof. Priyam Parikh	Rs. 22,50,000/-
Wireless Chatting Zone without internet	Govt. of Gujarat under Start-up Scheme	Prof. Jigar Gohil	Rs. 5,00,000/-
Electrochemical Degradation of Organic Pollutants	GUJCOST	Dr. Bhavna Soni	Rs. 1,00,000/-
<b>Sarvajanik College of Engineering &amp; Technology, Surat.</b>			
Development of an efficient Power Electronics Converter to act as Fuel Cell emulator	GUJCOST	Dr. Hiren H. Patel	Rs. 4,10,000/-
<b>Shantilal Shah Pharmacy College, Bhavnagar.</b>			
Challenges and opportunities on crystallization approach to improve physicochemical and processing parameters	GUJCOST	Ms. Pooja D. Vaghela	Rs. 2,20,000/-
<b>Shri Labhubhai Trivedi Institute of Engineering &amp; Technology, Rajkot.</b>			
Investigation on micro channel head exchanger	GUJCOST	Dr. B. M. Ramani, Prof. Datatrey Subedar	Rs. 5,80,000/-
<b>Vishwakarma Government Engineering College, Chandkheda (Ahmedabad)</b>			
Spectral Discrimination and Separability Analysis of Crops and Weeds using Deep Learning Techniques	ISRO, Satellite	Dr. Vibha D. Patel	Rs. 17,40,000/-

Chapter written by the faculty members in any book (International Level) during the year 2017

Title of Book	Name of Chapter	Publisher	Author (Faculty)
<b>A. D. Patel Institute of Technology, Vitthal Udyognagar.</b>			
Communications in Computer and Information Science	Map Reduce based Multilevel Association Rules Mining from Concept Hierarchical Sales Data	Springer Nature	Prof. D. J. Prajapati
Information and Communication Technology for Intelligent Systems (ICTIS 2017) - Volume 1	An Automatic Segmentation Approach Towards the Objectification of Cyst Diagnosis in Periapical Dental Radiograph	Springer Nature	Prof. K. R. Jain, Prof. N. C. Chauhan

Title of Book	Name of Chapter	Publisher	Author (Faculty)
Recent Advancement in Bio Fuels and Bio Energy Utilization	Overview of Biomass Gasification	Springer Nature	Prof. Maharshi Thakkar, Prof. Mitesh Shah, Prof. Vishal Singh
Research advances in cloud computing	Performance modeling and optimization of live migration of virtual machines in cloud infrastructure	Springer Science +Business Media Singapore Private Limited	Prof. Minal P. Patel
Innovative approaches, Value addition in dairy products and future prospectus in dairy industry.	Basic concepts of functional foods and nutraceuticals	SMC college of Dairy Science	Prof. A. S. Kulkarni, Prof. Govind P. Tagalpallewar
<b>Atmiya Institute of Technology And Science, Rajkot.</b>			
Intelligent Analysis of Multimedia Information	Compressive Sensing for Biometric System	IGI Global, USA.	Dr. Komal R. Borisagar
Intelligent Analysis of Multimedia Information	Digital Watermarking: Technical Art of Hiding a Message	IGI Global, USA	Dr. Ashish M. Kothari
<b>Sarvajanik College of Engineering &amp; Technology, Surat.</b>			
Computer and Network Security Essentials	Information-theoretically Secure Privacy Preserving Approaches for Collaborative Association Rule Mining	Springer	Dr. Nirali R. Nanavati, Dr. D. C. Jinwala

Staff Honored (Research paper writing/Teaching/ Project)

Name of Staff Honoured	Details of specific task for which the staff member was honoured
<b>A. D. Patel Institute of Technology, Vitthal Udyognagar.</b>	
Prof. Dr. Sudhir Gupte	“GURU Award - 2016” by SAEINDIA Foundation on 20.10.2016
Dr. S. Srivastav	Excellence in Teaching and Research award by IRDP group of Journals, Chennai
<b>Anand Pharmacy College, Anand.</b>	
Dr. Lalji Baldaniya	Received “Pedagogical Innovation Award 2017” on 6th GTU Innovation Sankul Day Celebration
	National Level Pharmacist Award 2017, under the category young Pharmacy Teacher Award by IPA



Name of Staff Honoured	Details of specific task for which the staff member was honoured
<b>B. &amp; B. Institute of Technology, Vallabh Vidyanagar.</b>	
Prof. Alifiya Kachwala	Best Teacher Award by ISTE
<b>Babaria Institute of Pharmacy, Vadodara.</b>	
Dr. Suresh Jain	B.V. Patel award 2017 (Winner in National Level Essay Competition)
	Certificate of excellence in reviewing International Journal of Pharmaceutical Chemistry and analysis by Innovative Publications.
Dr. Prachi Pandey	The project titled “Novel carrier systems for targeted drug delivery in the treatment of arthritis” has been appreciated and selected as a potential start-up for support by a panel of experts and entrepreneurs from different facets such as healthcare, law, finance, marketing etc. on 2nd June, 2017 at World’s Longest and Biggest Sayaji Start Up Summit
<b>Babaria Institute of Technology, Vadodara.</b>	
Dr. Lalit S. Thakur	Best Educationist Award by International Institute of Education and Management (15th February,2017)
<b>C. K. Shah Vijapurwala Institute of Management, Surat.</b>	
Dr. Ankit Shah	1st Position for the Research Paper titled "Reaching Millennials through Paid Search & Paid Social Advertisements" at SIESCOMS International Marketing Conference (December 2017) held on 15th December 2017 at SIES College of Management Studies, Navi Mumbai.
Dr. Kunjal Sinha	Best Research Paper on the topic "Consumer's Attitude and perception towards doing cashless transaction : An Empirical study In Vadodara" at International Digital Marketing Conference held at SIES College of Management Studies, Navi Mumbai on 21st January 2017.
<b>Gandhinagar Institute of Technology, Khatraj.</b>	
Prof. Ashish Majithiya	GTU Pedagogical Innovation Award for establishing NPTEL local chapter and practicing flipped classroom
<b>Government Engineering College, Patan.</b>	
Dr. Hitesh Panchal	Best Paper presentation Award International Conference on Renewable Energy and Smart Grid” Organized at Mody University, Rajasthan during 24-25 February, 2017.
	“Best PhD Thesis Award” in International Conference on Renewable Energy and Smart Grid” Organized at Mody University, Rajasthan during 24-25 February, 2017.
<b>Government Polytechnic, Jamnagar.</b>	
Dr. R. M. Pandit	Mathematics Teaching Award
Dr. N. H. Shah	
<b>Pacific School of Engineering, Sanki.</b>	

Name of Staff Honoured	Details of specific task for which the staff member was honoured
Dr. Y.C. Rotliwala	Innovative to impact award 2017 for project on resource recovery from waste plastic & biomass
<b>Vadodara Institute of Engineering, Vadodara.</b>	
Dr. Jayeshkumar S. Patel Prof. Niraj C. Mehta	Pedagogical Innovation Award
<b>Vishwakarma Government Engineering College, Chandkheda (Ahmedabad)</b>	
Prof. (Dr.) D. D. Mandaliya	The best Ph.D. thesis award at Indian Institute of Technology Bombay, Mumbai. Thesis title: "Generalized Model Based Analysis Approaches for Chemical Reactors"
Prof. K. R. Patel	Best Paper Presentation Award during International Conference On NASET- 17 at Madhav University, Pindwara, Rajasthan in February, 2017
Prof. A. M. Haque, Prof. Vaseem Qureshi, Prof. Kaustubh Vyas	Pedagogical Innovation Award
Prof. Alpesh H. Dafda	Awarded as Best NSS Program Officer for the year 2016-2017 by GTU in June 2017

Student honoured (excluding GTU level Sports / Cultural / Techfest activity) during the year 2017

Name of Student Honoured	Details of specific task for which the students were honoured
<b>A. D. Patel Institute of Technology, Vitthal Udyognagar.</b>	
Jaykumar D. Prajapati	National Award for best M-Tech thesis in Mechanical Engineering by ISTE
Sejal L. Shah	Received Best research paper Presentation certificate at ICMTES'17: First International Conference on Modern Technologies in Engineering and Science 2017 held on 2nd and 3rd June 2017 at Andhra Pradesh, INDIA, organized by Knewton Institute of Research in Engineering & Technology
Taha Jiruwala, Jaitun Patel, Akshat Pujara, Jhanvi Thakkar, Sagar Patel & Vaidehi Trivedi	National Award for Hackathon-2017
Devanshi Patel, Ashish Bhawani, Jaimin Bhoi & Harsh Patel	2nd Runner-UP EngiNX- 2017
<b>Alpha College of Engineering &amp; Technology, Khatraj.</b>	
Varun Dave	2nd Position in world power lifting championship-India 2017 in sub-junior category (60 kg)

Name of Student Honoured	Details of specific task for which the students were honoured
<b>B.Pharmacy College Rampura, Kakanpur.</b>	
Zozwala Mustufa, Suthar Archi, Vahlabhai Rashida Aliasgar	Model Presentation (GTU Central Techfest)
<b>Babaria Institute of Pharmacy, Vadodara.</b>	
Kazi Mohammeduwesh Irshaduddin	Best NSS Volunter
<b>Babaria Institute of Technology, Vadodara.</b>	
Rohan Pethani	Best Defensive Player in Maldives National League and National Basketball Tournament at T-Rex Basketball club
Milind H. Shah	Microsoft Certified Professional in developing asp.net MVC 4.5 web application since 04th April, 2017
<b>C. K. Pithawalla College of Engineering &amp; Technology, Surat.</b>	
Pavan Limachia	2nd rank in the clay modelling (Fine Arts Category) in the West Zone All India youth fest
<b>C. K. Shah Vijapurwala Institute of Management, Surat.</b>	
Parth Jadhav & Mayur Sant	1st Position for the Research Paper titled "Reaching Millennials Through Paid Search & Paid Social Advertisements" at SIESCOMS International Marketing Conference-December 2017 at SIES College of Management Studies, Navi Mumbai.
<b>Darshan Institute of Engineering &amp; Technology, Rajkot.</b>	
Upasani Prakhar	2nd Rank in 400 m, Regional level Swimming Competition Khel Mahakumbh-2017
Sahil Ghodasara	1st Rank in 100 m Breast Stroke, Regional level Swimming Competition Khel Mahakumbh-2017
<b>Darshan Institute of Engineering &amp; Technology for Diploma Studies, Rajkot.</b>	
Nishant Panchani	The Global Engineering Quiz Topper
<b>Gandhinagar Institute of Technology, Khatraj.</b>	
Kushal Chokshi	Silver medal in badminton Ashvamedha Yagna held at Gujarat university
Macwan Syrin Sunil	Winner(1st prize) in Mathegon 2017 at National level
Chintan Chhatbar	8th Rank in National level Yatching Competition, Hyderabad Sailing Week, Senior Multi class sailing Championship 2017 on 8th July, 2017
<b>Government Engineering College, Patan.</b>	
Pruthvi Prajapati	Secured First position in Taekwondo championship 2017
<b>L. J. Institute of Engineering &amp; Technology, Ahmedabad.</b>	
Sarthak Hirani	1st in SUPRA and Endurance, Engineering Excellence for GTU motorsports SAE India as Team Members
Jesal Vadwala	

Name of Student Honoured	Details of specific task for which the students were honoured
Ankit Solanki	
<b>L. M. College of Pharmacy, Ahmedabad.</b>	
Kiranj Choudagar	Pharmainnova Best Ph.D. Thesis Award
Ishita Basera	Pharmainnova Best M. Pharm. Thesis Award
<b>L. C. Institute of Technology, Bhandu.</b>	
Mihir Mistri	ISTE Best Student Award
<b>Pacific School of Engineering, Sanki.</b>	
Aman J. Doctor	Won Silver Medal (State Level) and Bronze Medal (National Level) in Teckwondo
<b>Parul Institute of Engg. And Tech. (Diploma Studies), Vadodara.</b>	
Adarsh Bhavsar, Jhanvi Darji & Pinak Agrawal	(Project - Biotoilet) 2nd Prize At National Environmental Awareness Campaign 2017 (Project - Biotoilet ) 3rd Prize At GTU Centralized Tech Fest, Ahmedabad
Shobhit Bhardwaj	Secured 2nd Position In Badminton Singles- Mayor Cup Vadodara-2017 Badminton Singles
Akshit Jayswal, Rohan Soni, Rushita Rajput, Krutik Bhuvir, Ronak Dave & Shah Jaineet	Awarded 4Th Prize and 5000/- Cash In National Level Event "Creato" At Bbit.
Akash Shelar	Gold In Khel Mahakumbh Hockey Tournament On 5Th July, 2017
Ninaad Bhatt	Silver In Team Relay And Bronze In Doubles Speedball International Tournament In May 2017
	Bronze In Team Relay And Bronze In Doubles Speedball International Tournament In January- 2017
<b>Sarvajanik College of Engineering &amp; Technology, Surat.</b>	
Devang Shah	Gold medal & strongest man in GTU Power lifting competition
	Gold Medal in Gujarat bench-press Competition
	Gold Medal in Gujarat Open Power Lifting-state level
	4th Rank in National Power lifting
	5 Gold Medals in National Raw Power Lifting National Level
Vatsal Gotawala, Sohail Chamadiya, Kunal Sharma, Sanchi Agarwal, Rishabh Baheti & Rishikesh Patel	2nd Runner up in the Project Competition named Smart India Hackathon 2017 at KL University Guntur, honoured by Hon'ble Chief Minister Gujarat State, Shri. Vijay Rupani at GTU.

Name of Student Honoured	Details of specific task for which the students were honoured
Prafful Solanki, Vivek Kumar, Aangi Shah & Rashi Purohit	1st Runner up in Project Competition named “Open Government Data Hackathon 2017” organized by MHRD at SVNIT Surat.
Roma Shah	Won Gold Medal in Power lifting competition at State and National Level
Kunal Sharma & Sohail Chamadiya	Won first prize in IoT section of IndiaHacks 2017 from around 8000 teams. The event was sponsored by IBM , Hasura, Honewell, RBS etc.
Harsh Gandhi, Jenish Dudhat, Jenish Muniwala & Dipak Makwana	Awarded Best Project at the Dewang Mehta IT Awards 2017
<b>Shri B. M. Shah College of Pharmaceutical Education &amp; Research, Modasa.</b>	
Jainee Patel, Vivek Ramani & Vimal Patel	2nd Rank in Quiz Competition In Pharmavision on 9th – 10th September, 2017 at ASPBRI, Gandhinagar
<b>Tolani F. G. Polytechnic, Adipur (Kutch).</b>	
Devang Rathod, Dhananjay Maurya, Hardevsinh Chauhan & Jagdish Maity	Best Volunteer Award for "VISAKA - Digital India and Cashless" at Vighyan Bhavan, New Delhi
<b>Vishwakarma Government Engineering College, Chandkheda (Ahmedabad)</b>	
Raj Mehta, Kushal Patel & Yash Bhavsar	2nd prize as a team in "Quiz Struc- 2017" State Level Quiz Competition in Civil Dept., Charusat University
Tanmay Kalola	Won 3rd prize "Conquer IT" competition at IIT Bombay in March 2017
Macwan Rushi James	A certificate of appreciation as IEEE DAY Ambassador. IEEE Headquarters US
Siddhdhant Bansal	Second prize at the state level competition on Scientific Presentation on Noble Prizes Gujarat Science Academy & INSA
Jyoti Shukla	Third prize at the state level competition on Scientific Presentation on Noble Prizes Gujarat Science Academy & INSA
Raju Modhwadia	Tail Baila Rock Climbing Expedition Invincible NGO Feb-2017
Dhruv Prajapati	First Place in C. G. Mania National Level Techno-Management Colloquium NU-TECH, NIRMA UNIVERSITY
Shrirang Patel	Secured First Place In C. G. Mania, National Level Techno -Management Colloquium
Urjit Dave, Keval Purohit, Parth Kakdiya & Radha Govani	Prize of Rs. 15,000/- for Social Innovation Project on “Vishwakarma Digital Literacy Campaign ” SSIP, Gujarat State under “Summer Innovation Challenge 2017” By Hon. Chief Minister, Gujarat State
Amit B. Chavda	Completed Mt. Yenam Summit of 20046ft. Invincible NGO September, '17
Ravi Upadhyay	3rd prize in Mix Doubles Badminton Championship Khel Mahakumbh September, 2017

Name of Student Honoured	Details of specific task for which the students were honoured
Akshi Malik	3rd prize in Mix Doubles Badminton Championship
Prachi Thakkar, Purvi Kathrecha & Shraddha Shah	Prize of Rs. 25,000/- for Social Innovation Project on “PREGACARE (Application for pregnant ladies and mothers)” SSIP, Gujarat State under “Summer Innovation Challenge 2017” By Hon. Chief Minister, Gujarat State
Parth Pipaliya	Got 1st prize in Elocution competition organized by KCG (VGEC) under Govt. of Gujarat, Education department
Tanmay Kalola	Participated in CONQUER IT Awarded 3rd prize in national level competition to design and build impact bearing structure (IBS) using steel fibre reinforced concrete tested for impact loading Civil Engineering Department IIT, Mumbai.

\*[Disclaimer: The information in this chapter has been issued by Gujarat Technological University (GTU) only on the basis of submitted data by Institutes, which is believed to be reliable. GTU have made every attempt to ensure that the information contained in this Chapter has been obtained from reliable sources, yet GTU is not responsible for any errors or omissions. All information contained herein is provided with no guarantee of completeness, accuracy, timeliness and is strictly for information purpose only. GTU does not assume any liability for any direct, indirect or consequential loss that may result from the reliance by any person upon any such information or opinions.]



## GLIMPSES

Dr. A.P.J Abdul Kalam award for supporting start - ups in India International Science Festival, Chennai during 13-16-Oct 2017



GTU receives Excellence Award for University at National Student Start-up & Innovation Summit on 5<sup>th</sup> October 2017

GTU incubated start-up CPM Industries won 1.25 lakhs in the category of growth stage start-ups.



GTU receives Rs. 50 Lakhs Grant-in-aid for launching Student Start-up Innovation Centre.

GTU ROBOCON Team Stood up 27<sup>th</sup> National Rank among 112 Registered Team in National ROBOOTICS Completion



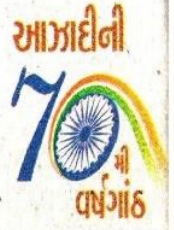
Prof. (Dr.) N. R. Sheth felicitating Hon'ble Chief Minister of Gujarat Shri Vijaybhai Rupani.





# દિવ્ય ભાસ્કર

આપ વાંચી રહ્યા છો દેશનું સૌથી વિશ્વસનીય અને સૌથી ઝડપી વિકસતું અખબાર



કુલ પાનાં 20+10+8+12 (સ્વતંત્રતા વિશેષ) = 50 ગુજરાત કિંમત રૂ. 4.00, વર્ષ 15, અંક 85, મહાનગર

yabhaskar.com

અમદાવાદ, મંગળવાર, 15 ઓગસ્ટ, 2017

શ્રાવણ વર્ષ-8, વિક્રમ સંવત 2073

12 રાજ્ય 64 સેન્સ

ભાસ્કર વિશેષ

એમફીલ, પોસ્ટ ગ્રેજ્યુએશન તેમજ સર્ટિફિકેટ લેવલ સહિતના 15થી વધુ કોર્સ શરૂ કરવા નિર્ણય

## જીટીયુ સ્માર્ટ અને, હેરિટેજ સિટીના પાઠ ભણાવશે

પ્રતીક ભટ્ટ | અમદાવાદ

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી (જીટીયુ) વિદ્યાર્થીઓને ક્લાસરૂમમાં સાઈબર સિક્યુરિટી, ડ્રગ્સ રેગ્યુલેશન, સ્માર્ટ સિટી, ડિજિટલ માર્કેટિંગ, હેરિટેજ સિટીના પાઠ ભણાવશે. જીટીયુએ વર્તમાન શૈક્ષણિક વર્ષ 2017-2018થી એમઈ, એમફીલ તેમજ પોસ્ટ ગ્રેજ્યુએશન-સર્ટિફિકેટ લેવલના 15થી વધુ કોર્સ શરૂ કર્યા છે. આ અંગેની વિગતો જીટીયુની વેબસાઈટમાં એડમિશન સેક્શનમાં મૂકી છે. એઆઈસીટીઈ માન્ય એમઈ

ઈન સાઈબર સિક્યુરિટી તેમજ એમફાર્મ ઈન ડ્રગ્સ રેગ્યુલેશન કોર્સ જીટીયુના ગાંધીનગર સ્થિત કેમ્પસમાં ભણાવવામાં આવશે. જ્યારે ત્રણથી છ મહિનાનો સર્ટિફિકેટ કોર્સ વિદ્યાર્થીઓ ઓનલાઈન ભણી શકશે. જીટીયુએ શરૂ કરેલા કોર્સની પ્રવેશ કાર્યવાહી અંગેની માહિતી જીટીયુની વેબસાઈટ [www.gtu.ac.in](http://www.gtu.ac.in) પર મૂકાઈ છે. એમઈ અને એમફીલ લેવલના કોર્સ બે વર્ષના છે, જ્યારે પોસ્ટ ગ્રેજ્યુએટ ડિપ્લોમા લેવલના કોર્સ એક વર્ષના છે. જ્યારે ત્રણ મહિના, છ મહિના અને એક વર્ષનો કોર્સ સર્ટિફિકેટ કોર્સ રખાયો છે.

ગ્રીન બિલ્ડિંગ ઈન સ્માર્ટ સિટી, સોલિડ વેસ્ટ મેનેજમેન્ટ જેવા વિષયો

- એમઈ ઈન સાઈબર સિક્યુરિટી
- એમફાર્મ ઈન ડ્રગ્સ રેગ્યુલેટરી અફેર્સ
- એમફીલ ઈન બિઝનેસમેન્ટ
- પોસ્ટ ગ્રેજ્યુએટ ડિપ્લોમા ઈન ડિજિટલ માર્કેટિંગ
- પોસ્ટ ગ્રેજ્યુએટ ડિપ્લોમા ઈન ઓનલાઈન બિઝનેસ, ગાંધીધન ફિલોસોફી કોર મેનેજિંગ બિઝનેસ
- પોસ્ટ ગ્રેજ્યુએટ ડિપ્લોમા ઈન આર્ટીપીઆર ઈન્ટેલેક્ચ્યુઅલ પ્રોપર્ટી રાઈટ્સ
- સ્માર્ટ ટ્રાન્સપોર્ટેશન કોર સ્માર્ટ સિટી-ઈકોર્સ
- ગ્રીન બિલ્ડિંગ ઈન સ્માર્ટ સિટી

- સોલિડ વેસ્ટ મેનેજમેન્ટ કોર સ્માર્ટ સિટી
- પ્લાનિંગ એન્ડ ડેવલપમેન્ટ ઓફ સ્માર્ટ વિલેજ
- એપ્લિકેશન ઓફ સોલર એનર્જી કોર સ્માર્ટ સિટી
- પ્રોજેક્ટ મેનેજમેન્ટ ઈન સ્માર્ટ સિટી
- ડિઝાસ્ટર મેનેજમેન્ટ કોર સ્માર્ટ સિટી
- મોબાઈલ કમ્યુનિટી એન્ડ વાયરલેસ ટેકનોલોજી
- ઈન્ટેલેક્ચ્યુઅલ પ્રોપર્ટી વેલ્યુએશન એન્ડ મેનેજમેન્ટ
- હેરિટેજ સિટી (કોર્સ ગાંધીનગર કેમ્પસમાં તેમજ ઓનલાઈન ભણાવવામાં આવશે)

વિદ્યાર્થીઓનો વિકાસ થશે

વર્તમાન સમયની માંગને ધ્યાનમાં રાખીને ઈજનેરીના તેમજ બીજામ થયેલા સ્નાતકોને તેમની કેરિયરમાં ઉપયોગી થાય તેવા વિવિધ પ્રકારના કોર્સ શરૂ કરવામાં આવ્યા છે. આ કોર્સમાં અપાતા પ્રશિક્ષણના માધ્યમથી તેમનું ઓવરઓલ ડેવલપમેન્ટ થશે. ડી. નવીન શેઠ, કુલપતિ, જીટીયુ

GTUમાં સોશિયલ મીડિયાની અસરો અંગે એક દિવસીય વર્કશોપ યોજાશે

## એક યુવાન દરરોજના ત્રણ કલાક સોશિયલ મીડિયા પાછળ ખર્ચી નાંખે છે

નવગુજરાત સમય | અમદાવાદ

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી (જીટીયુ) દ્વારા સોશિયલ મીડિયા વિશે એક દિવસીય વર્કશોપ યોજાયું હતું. જેમાં સોશિયલ મીડિયાની પોઝિટિવ અને નેગેટિવ ઈમ્પેક્ટ વિશે વિદ્યાર્થીઓને વાર્કફ કરવામાં આવ્યા હતા. રાજકોટના યશ ચાવલા વર્કશોપમાં એક્સપર્ટ તરીકે ઉપસ્થિત રહ્યા હતા અને તેમણે સોશિયલ મીડિયા વિશે મહત્વની જાણકારી વિદ્યાર્થીઓને આપી હતી. રોજ એક યુવાન સરેરાશ 3 કલાક સોશિયલ મીડિયા પાછળ ખર્ચે છે એટલે કે રોજ 120 કોટી માનવ કલાક સોશિયલ મીડિયા પાછળ ઉપયોગમાં જતાં હોઈ તેનો પોઝિટિવ ઉપયોગ કરવા પર ભાર મુકવામાં આવ્યો હતો. જીટીયુ ખાતે 'ઈકોડીવ યુઝ' ઓફ સોશિયલ મીડિયા કોર બ્રાઈટ કેરિયર' વિષય પર એક દિવસીય વર્કશોપ યોજાયો હતો. જેમાં એક્સપર્ટ તરીકે ઉપસ્થિત રાજકોટની આર.કે. યુનિવર્સિટીના પીઆર મેનેજર યશ ચાવલાએ સોશિયલ મીડિયા વિશે પ્રકાશ પાડ્યો હતો. તેમણે



જણાવ્યું હતું કે, આવાના દિવસોમાં સોશિયલ મીડિયાનો ઈમ્પેક્ટ એટલો બધો વધારે છે તેને રોકી શકાશે નહીં. સોશિયલ મીડિયાનો પોઝિટિવ ઉપયોગ થાય તે માટે લોકોએ પ્રયાસ કરવા જોઈએ. બાળકો જ્યારે 15 વર્ષના થાય ત્યાર પછી જ તેમને એક્સપ્રેસ ઈન સ્માર્ટ ફોન વાપરવા આપવા જોઈએ અને તેમને સોશિયલ મીડિયાનો પોઝિટિવ ઉપયોગ કરતા શિખવવું જોઈએ. યુવાનોએ પણ પોઝિટિવ હોય તેવી જ પોસ્ટ સોશિયલ મીડિયા પર મુકવી જોઈએ. જેથી તેમની ઈમેજ બનશે અને ભવિષ્યમાં પણ તે ઉપયોગી બનશે. કાર્યક્રમમાં ઉપસ્થિત જીટીયુના કુલપતિ ડૉ. નવીન શેઠે સોશિયલ મીડિયા

## જીટીયુની બે વિદ્યાર્થીની પ્રજાસત્તાક દિને દિલ્હીમાં પરેડ માટે સિલેક્ટ થઈ

એલ.ડી. એન્જિનિયરિંગ કોલેજની હેમાંશી ઈશ્વર અને વિશ્વકર્મા ગવર્નમેન્ટ એન્જિનિયરિંગ કોલેજની સલોની પરીખને પ્રજાસત્તાક દિનની પરેડ માટે પસંદગી કરાઈ

ગામી રક્ષા મિત્ર જાન્યુઆરી, 2017ના રોજ પ્રજાસત્તાક દિવસની પરેડમાં ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી (જીટીયુ) હેટ્રિક સર્જશે. સતત ત્રીજા વર્ષે જીટીયુ વતી એનએસએસની બે વિદ્યાર્થીનીઓ રાજધાની ખાતે યોજાનારી પરેડમાં ભાગ લેવા દિલ્હી જશે. આ વખતે એલ.ડી. એન્જિનિયરિંગ કોલેજની હેમાંશી ઈશ્વર અને વિશ્વકર્મા ગવર્નમેન્ટ એન્જિનિયરિંગ કોલેજની સલોની પરીખને પ્રજાસત્તાક દિનની પરેડ માટે પસંદ કરવામાં આવી છે. આ બંને વિદ્યાર્થીનીઓ જીટીયુમાં એન્જિનિયરિંગના અનુક્રમે પાંચમા અને છઠ્ઠા સેમેસ્ટરમાં અભ્યાસ કરી રહી છે. આ અંગે જીટીયુના વાઈસ ચાન્સેલર પ્રો. નવીન શેઠના માર્ગદર્શન હેઠળ નંશનલ સર્વિસ સ્કીમ (એનએસએસ) યુનિટ તરફથી આ બાબતમાં તૈયારીઓ કરવામાં આવી રહી હતી. રાજધાની ખાતે દર વર્ષે ભારતભરમાંથી તમામ રાજ્યોના 148 વિદ્યાર્થીઓ ભાગ લે છે. દરેક સંસ્થામાંથી બે વિદ્યાર્થીઓને આ પરેડ માટે મોકલી શકાય. આ વખતે જીટીયુમાંથી 14 વિદ્યાર્થીને રાજ્યસ્તરીય પસંદગી માટે મોકલવામાં આવ્યા હતા. તેમાંથી જીટીયુના છ વિદ્યાર્થીઓ પસંદ થયા હતા અને તેઓને પૂર્વતૈયારીઓ માટેના રાષ્ટ્રીય કેમ્પમાં મોકલવામાં આવ્યા હતા.



કેપ્ટન સી.એસ. સંઘવીએ કહ્યું કે, રાષ્ટ્રીય સ્તરે થતી પસંદગીમાં વિદ્યાર્થીઓની પરેડ જ નહિ બલકે સાંસ્કૃતિક કાર્યક્રમોમાં દેખાવને પણ ધ્યાનમાં લેવાય છે. ચાલુ વર્ષે પસંદ થયેલી બંને વિદ્યાર્થીનીઓનો સાંસ્કૃતિક કાર્યક્રમોમાં પણ પ્રભાવશાળી દેખાવ રહ્યો તે બાબતને ધ્યાનમાં રાખીને તેઓને પસંદ કરવામાં આવી હતી. જીટીયુ એનએસએસની સ્થાપના(2011-12)ના પાંચ વર્ષમાં યુનિટે અનેકવાર રાષ્ટ્રીય કક્ષાએ ઝળહળતી સિદ્ધિઓ તેઓને પસંદ કરવામાં આવી હતી. જીટીયુ વિદ્યાર્થીઓએ એનએસએસના રાષ્ટ્રીય એવોર્ડ પણ જીત્યા છે. વર્ષ 2014માં રાજ્ય કક્ષાએ ઝળહળતી સિદ્ધિઓ તેઓને પસંદ કરવામાં આવી હતી. જીટીયુ વિદ્યાર્થીઓએ એનએસએસના રાષ્ટ્રીય એવોર્ડ પણ જીત્યા છે. વર્ષ 2014માં રાજ્ય કક્ષાએ ઝળહળતી સિદ્ધિઓ તેઓને પસંદ કરવામાં આવી હતી.

વિશેષ માહિતી આપતા જીટીયુ એનએસએસના વડા



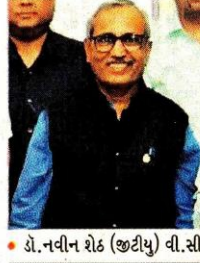
# ઈ-લર્નિંગ: GTU સ્ટુડન્ટ્સને એક ક્લિકે મોબાઈલમાં મળશે લેક્ચર

સ્ટુડન્ટ્સ પ્રોફેસર સાથે લાઈવ ચેટ કરીને શેર કરી શકશે એન્જિનિયરિંગની આંટી-ઘૂંટી

## E-Learning

સિટી રિપોર્ટર | અમદાવાદ

વિદ્યાર્થીઓને ઘણી વખત માંદગી કે પછી ફેમેલી કે અન્ય કારણોસર કોલેજમાં રજા પાડવી પડતી હોય છે. જે દરમિયાન ક્લાસરૂમમાં ચાલતા લેક્ચર સ્ટુડન્ટ્સ ચૂકી જતા હોય છે. જેના સમાધાનરૂપે ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી (જીટીયુ) એન્જિનિયરિંગ કોલેજોના વિદ્યાર્થીઓ માટે ક્લાસરૂમ ઉપરાંત ડિજિટલ ઈ-લર્નિંગની વ્યવસ્થા પણ શરૂ કરવાનું આયોજન કરી રહી છે. તે દિશામાં પહેલું કદમ ઊઠાવીને જીટીયુએ એમ-સ્યુટર વેબસાઈટ સાથે હાથ મિલાવ્યા



• ડૉ. નવીન શેઠ (જીટીયુ) વી.સી

## આ કન્સેપ્ટથી થનારા ફાયદા

- બીમારી કે અન્ય કારણસર ગેરહાજર વિદ્યાર્થી ઈ-લર્નિંગથી અભ્યાસ કરી શકશે.
- જે શીખ્યા હશે તેના જ્ઞાનની ચકાસણી માટે ઓનલાઈન ટેસ્ટ આપી શકાશે.
- કોઈ મુદ્દો ન સમજાયો હોય તો સરળતાથી ઓનલાઈન જવાબ મળી શકશે.
- કારકિર્દીમાં ઉપયોગી બને એવી બાબતોને આ કન્સેપ્ટમાં આવરી લેવાશે.

છે. એમ-સ્યુટરના માધ્યમથી વર્ષ ૨૦૧૭-૧૮ના શૈક્ષણિક વર્ષ દરમિયાન એન્જિનિયરિંગ કોલેજોના પ્રથમ વર્ષના વિદ્યાર્થીઓ વેબસાઈટ પરથી ક્લાસરૂમમાં રહી ગયેલા લેક્ચર્સ ઘરે બેઠા જોઈ

શકશે. જીટીયુના વાઈસ ચાન્સેલર ડૉ. નવીન શેઠે આ અંગે માહિતી આપતાં કહ્યું કે, 'ભવિષ્યમાં મોટાપાયે ડિજિટલ શિક્ષણ લાવવાનો અમારો વિચાર છે.

દુનિયા વર્ષ ૨૦૨૦માં આવનારા ઈન્ટરનેટ ઓફ થિંગ્સ ભણી ઝડપથી આગળ વધી રહી છે. ત્યારે ડિજિટલ કેળવણી વિદ્યાર્થીઓ તેમજ પ્રાધ્યાપકો બંને માટે મહત્વપૂર્ણ બની રહેશે. જીટીયુ તરફથી આ અગાઉ સ્ટાર્ટઅપને પ્રોત્સાહન આપવા અને વિદ્યાર્થીઓના ઈનોવેટીવ આઈડિયાનું પ્રોડક્ટમાં રૂપાંતર થાય તેના માટે તાલીમ આપવા મેસીવ ઓપન ઓનલાઈન કોર્સ શરૂ કરવામાં આવ્યો હતો. મને વિદેશ પ્રવાસ દરમિયાન જાણવા મળ્યું કે પરદેશમાં પુસ્તકીયા જ્ઞાનને બદલે પ્રેક્ટીકલ જ્ઞાન પર વધુ ભાર મૂકવામાં આવે છે જેથી ઉદ્યોગોની આવશ્યકતાને અનુરૂપ વિદ્યાર્થીઓ તૈયાર થઈ શકે.'

City Bhaskar 02.11.2017

## સિટી SPORTS

City Bhaskar

02.11.2017

# જીટીયુની શૂટિંગ સ્પર્ધામાં મીત, મુદ્રા, હિતેન્દ્ર, ફુંજ અને કિંગસ્ટોન વિજેતા

## Shooting

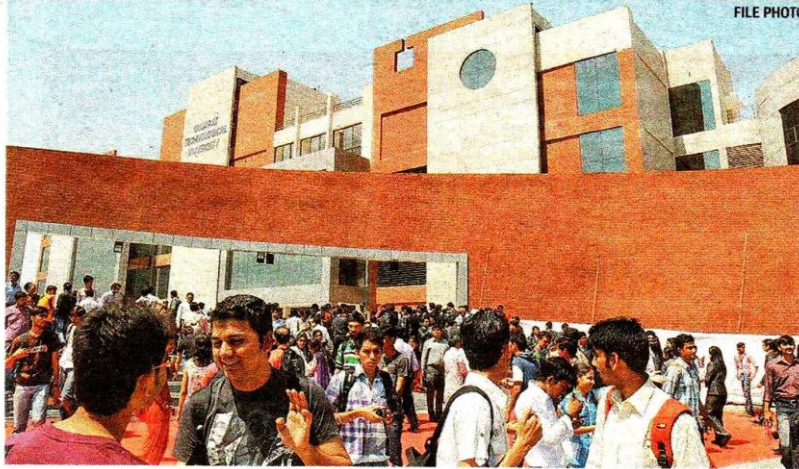
અમદાવાદના રાઈફલ ક્લબ ખાતે આલ્ફા કોલેજ ઓફ એન્જિનિયરિંગ દ્વારા શૂટિંગની સ્પર્ધાનું આયોજન કરવામાં આવ્યું હતું. આ શૂટિંગ સ્પર્ધા જીટીયુની ઈન્ટર ઝોનલ શૂટિંગ સ્પર્ધા હતી. જેમાં અમદાવાદની મુદ્રા, રાજદીપ, મીત, હિતેન્દ્ર, ફુંજ અને કિંગસ્ટોન વિજેતા બન્યા છે. રાઈફલ સ્પર્ધામાં ભાટ ખાતે આવેલી શ્રી સ્વામિનારાયણ ઈન્સ્ટિટ્યુટ ઓફ ટેકનોલોજીની મુદ્રા પ્રથમ આવી હતી. બોયસમાં સિગ્મા ઈન્સ્ટિટ્યુટ ઓફ



એન્જિનિયરિંગનો રાજદીપ પિસ્તોલમાં પ્રથમ આવ્યો હતો. જ્યારે આલ્ફા કોલેજનો મીત પટેલ બીજા ક્રમે આવ્યો હતો. પિસ્તોલમાં સિલ્વર ઓક કોલેજ ઓફ એન્જિનિયરિંગનો હિતેન્દ્ર ચોથરી

ત્રીજા નંબર પર આવ્યો હતો. રાઈફલ સ્પર્ધામાં સિલ્વર ઓક કોલેજનો ફુંજ પટેલ બીજા ક્રમે આવ્યો છે. રાઈફલમાં સિલ્વર ઓક કોલેજનો કિંગસ્ટોન ત્રીજા ક્રમે આવ્યો હતો.





# Missed a class? GTU's engineering students can log on to internet

From next semester, first year students will get access to e-learning module that focuses on practical knowledge

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**E**ngineering students of Gujarat Technological University will now get an in-depth understanding of concepts taught in the class on their laptops. GTU is kickstarting the digital e-learning programme from the next semester for first year engineering students.

Each student will be given a separate user id and a password to login to the e-learning sessions. The varsity has tied up with a company for the same for a year after which it will independently handle the e-learning modules.

GTU Vice Chancellor Navin Sheth said, "This is just a beginning. We have plans to take the concept ahead and start a full-fledged digital learning. As we are moving fast towards the age where Internet of Things (IOT) will be key after 2020, digital learning will

**Interactive videos, engaging assessments, comprehensive question banks, live chat and ask-a-question capsules will be part of digital e-learning**

Navin Sheth, GTU VC

be very important for students and faculty members. In other countries, the stress is more on practical knowledge than theory and so we thought of implementing the same at college level."

"We want the learning to go beyond classrooms. Interactive videos, engaging assessments, comprehensive question banks, live chat and ask-a-

question capsules will be part of digital e-learning," added Sheth.

Students in colleges affiliated to GTU are overjoyed as this initiative will help them prepare better for their exams. Vaidehi Parikh, a first year student of a government college, said, "It will be really helpful during exams because in case of last-minute doubts we will not have to rush to the faculty members. If the expert lectures are based on GTU syllabus, it is also going to be very helpful in case we have missed out on any lecture."

Ketan Timani, professor of Applied Mechanics at Vishwakarma Government Engineering College, said, "It is a good initiative. Students will get expert viewpoints and can clear their understanding of the concepts. Also, students can keep going back to the topics and revise. The interactive sessions will also help the students master the concepts."



## ભવિષ્યમાં ઈન્ટરનેશનલ ડિઝાઈન ઈનોવેશન સેન્ટર સ્થાપવાની જીટીયુની યોજના ડિઝાઈન એનજિનયરીંગ અને ઈનોવેશન ક્ષેત્રે સહયોગ માટે જીટીયુના મલેશિયાની લિમકોકવીંગ યુનિવર્સિટી સાથે કરાર



અમદાવાદ,તા.૬  
ગુજરાત ટેકનોલોજીકલ  
યુનિવર્સિટી (જીટીયુ)એ ડિઝાઈન  
એનજિનયરીંગ અને ઈનોવેશનના  
ક્ષેત્રમાં સહયોગ માટે મલેશિયાની  
લિમકોકવીંગ યુનિવર્સિટી સાથે કરાર  
કર્યા છે. જીટીયુના વાઈસ ચાન્સેલર પ્રો.  
(ડૉ) નવીન શેઠે જણાવ્યું હતું કે

ભવિષ્યમાં ઈન્ટરનેશનલ ડિઝાઈન  
ઈનોવેશન સેન્ટર સ્થાપવાની જીટીયુની  
યોજના છે. તેમાં મલેશિયાની  
યુનિવર્સિટીનો અમને ભરપૂર સહયોગ  
મળી રહે એવી આશા છે. જેમાં ટૂંકા  
ગાળાના કોર્સ શરૂ કરવાનો પ્લાન  
વિચારાધીન છે. તે ઉપરાંત મલેશિયાની  
યુનિવર્સિટી સાથે કરાર પર હસ્તાક્ષર

કરવામાં આવ્યા છે. જીટીયુ વતી  
ઓપન ડિઝાઈન સ્કૂલના વડા પ્રો.  
કર્મજીતસિંહ બિહોલાએ કરાર પર  
સહીસિક્કા કર્યા હતા.

કરારની શરતો મુજબ બંને  
યુનિવર્સિટીના વિદ્યાર્થીઓ માટે  
એક્સચેન્જ પ્રોગ્રામ હાથ ધરાશે, જેમાં  
જીટીયુના વિદ્યાર્થીઓ મલેશિયા જઈને  
અને મલેશિયાના વિદ્યાર્થીઓ જીટીયુની  
કોલેજમાં એક સેમેસ્ટર અભ્યાસ કરી  
શકશે. બંને યુનિવર્સિટીઓ સ્નાતક કે  
અનુસ્નાતક કક્ષાના સંયુક્ત કોર્સ કેવી  
રીતે શરૂ કરી શકાય તેની વિચારણા  
પણ હાથ ધરશે. આમ જીટીયુના  
વિદ્યાર્થીઓને એક મહિનો કે એક  
સેમેસ્ટર કવાલાલુમ્પુર જઈને  
લિમકોકવીંગ યુનિવર્સિટીના ગ્લોબલ  
ક્લાસરૂમમાં અભ્યાસ કરી શકશે. આ  
ઉપરાંત બંને યુનિવર્સિટીઓ  
વિદ્યાર્થીઓ તેમજ પ્રાધ્યાપકોના  
અભ્યાસલક્ષી પ્રવાસનું આયોજન પણ  
કરશે.



Workshop-Design Thinking based on Smart & Heritage Cities @GTU





**Swarchhta Hi Sewa Campaign & N.S.S. Day Celebration @GTU**