

GTU Innovation Council (GIC)'s

- **Student Associateship Program 2016-17** and its
 - **Fellowship Program 2016-17**

GIC invites enthusiastic and self-driven GTU students to apply for its Student Associateship Program.

GIC is a student-driven institution and it organizes and sustains a number of student activities.

Student Associates help plan, organize and run the GTU activities.

Interested students should apply on or before 16th April 2016 at the following registration link: <http://gtuinnovationcouncil.ac.in/sap-apply/>

Link of details related to Student Associateship Program 2016-17:
<http://gtuinnovationcouncil.ac.in/sap/>

Note: Many Associates, after appearing at the Final Exam, continue to work for GTU activities as GIC Fellows.

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About Student Associateship Program

GTU is the first state university, which is providing an opportunity to undergraduate/post graduate students to work as an Associate under the GIC's Student Associateship Program (Such opportunities are available only in top institutes like IIM's and IIT's). The selected student will work with the GTU Innovation Council(GIC) team at the S4 Co-Creation Center (S4-C3), Ahmedabad. The student Associate at GIC can also work virtually.

(GTU wants to develop common facilities for all the Colleges of a Sankul, as soon as adequate space, which is easily accessible and which is located in the main population center of the Sankul, becomes available. As soon as such facilities become available at a Sankul, the students in the Colleges of the Sankul will be able to work at the GTU Centers at the Sankuls also.)

The Student Associates will have to work at GIC from April 2016 to March 2017. After a successful completion of the said tenure, a certificate will be awarded by the Hon'ble Vice Chancellor of Gujarat Technological University.

Sectors for Associateship Program

Student Associate Program is a unique initiative, where a state-run university is providing an opportunity for students to work as Associates. We are looking for individuals who can lead as team leaders as well as have the ability to work as a part of team, in the following areas:

1. Start-up Ecosystem Development & Research
2. Documentation (Content Writer/Report Writer)
3. IT Development (PHP/MySQL/HTML/CSS/Java Script)
4. Graphic Designing (CorelDraw / Photoshop)
5. Film/Video Making/Photography (Cinematography)
6. Marketing
7. Design Engineering
8. Intellectual Property Rights (Patent Cell)
9. Cyber Security and cyber defense
10. S4 activities of different kind
11. Management and coordination of GTU_TBI, SME Nursery, C-i-C3
12. GTU Innovation Sankuls, GTU Innovation Clubs and other associated student-driven activities
13. Management of Bridge course and GTU Rural (Please see Appendix 2)
14. Any other innovative programs taken up by GIC along with Associates and Fellows

The desired work profile of the various areas are as follows:

Start-up Ecosystem Development & Research

Student Associate will help GIC team to build Start-up Ecosystem at GTU. Student Associate will work with various organizations like Incubators, different co-working spaces, crowd funding portals etc. Student having work experience with Start-ups will be given special weightage in selection process. Applicants must be passionate about entrepreneurship and be willing to work with entrepreneurs and innovators and help them to sustain their business and innovation models.

Marketing

Student Associate will have to prepare strategies for a massive outreach exercise for student communities about the initiatives of GIC and GTU. The outreach may include virtual or physical task as and when required. Managing social media outreach through various social media platform. Marketing campaigns may include preparation of newsletters and other promotional materials.

Design Engineering

Initiative by GIC to give knowledge of Design Driven Innovation: Student Associates will work with Design Engineering Team at GIC to achieve the team goals. (Students who are interested in Design Engineering, can select this as their area of work in this program.)

IPR (Patent Cell)

Selected Student Associates will help create strategy involving patents and intellectual property rights. The Student Associates will work with the cell that trains and provides adequate support to people interested in understanding the fundamentals of patents and intellectual property rights.

Documentation (Content Writer/Report Writer)

Student Associate will manage the regular documentation of each event/workshop taking place at GIC. A major part of the role will be to monitor and evaluate the processes through needs assessment, self-report questionnaires and focus on group discussions. Student Associate must be meticulous and have an attention to detail with accuracy. Student Associate must write individual pieces, including using the technical skills of writing and being able to structure and plan individual content. Student Associate should also look at editing, revising and reviewing work especially in response to feedback.

Information Technology (IT)

Student Associate should have an understanding of one or more areas out of the following: – Concept of OOPs, PHP, MySQL, HTML, CSS, JavaScript & Open Source Development.

Graphic Designing (Corel draw & Photoshop)

Student Associate will use computer software like Corel draw or Photoshop, to communicate ideas that inspire, inform, or captivate viewer. They will develop the overall layout and design for advertisements, brochures and other design materials.

Film/Video Making/Photography (Cinematography)

Student Associate will be responsible for assembling recorded raw material into a finished product that's suitable for broadcasting. The material may include camera footage, dialogue, sound effects, graphics and special effects. Creative mind and storytelling skills will be added as an advantage.

Apply for Students Associate Program 2016-17:

GTU is the only state-run university, which is providing an opportunity to undergraduate students/post graduate students to work as Student Associates. This gives an ample scope for a student to find a position suited to his/ her needs.

Interested students should apply on or before 16th April 2016 at the following registration link: <http://gtuinnovationcouncil.ac.in/sap-apply/>

Link of details related to Student Associateship Program 2016-17:

<http://gtuinnovationcouncil.ac.in/sap/>

Essential characteristics of GIC Associates:

1. Enthusiastic and Self-driven.
2. Technical skills related to ICT.
3. Leadership & Interpersonal Skills.
4. Curiosity to learn & Implement new ideas.
5. Ability to complete work in time.

Note: There is no financial incentive for students, associated with this program. First Year Students will get [Activity Points](#) for their work at GTU Innovation Council.

Timeline for Student Associateship Program (SAP):

16/04/2016 – Last date to apply for SAP

25/04/2016 – [Phase: 1] Declaration of shortlisted candidates [In reference to Application submitted online]

26/04/2016 – [Phase: 2] Aptitude test/Interview of shortlisted

30/04/2016 – Final Declaration of selected students for SAP

Results of all Phases will be declared on: <http://gtuinnovationcouncil.ac.in/sap/>

Highlights of the previous Associateship programs

<http://www.gtu.ac.in/circulars/14Jul/21072014.pdf>

Kindly refer past associateship/fellowship program:

GIC Fellowship program 2015-16

http://www.gtu.ac.in/circulars/15June/12062015_11.pdf

GIC Fellowship program 2014-15

<http://www.gtu.ac.in/circulars/14Jul/21072014.pdf>

http://www.gtu.ac.in/circulars/15Apr/13042015_01.pdf

GIC Fellowship program 2013-14

<http://www.gtu.ac.in/circulars/14Jan/Onedaycapacity.pdf>

http://www.gtu.ac.in/circulars/14March/25032014_03.pdf

http://www.gtu.ac.in/circulars/14March/10032014_01.pdf

GIC Fellows/Student Associates of 2015-16 awarded by Hon'ble Vice Chancellor on 5th Sankul Day: http://www.gtu.ac.in/circulars/15June/12062015_11.pdf

Facebook Album:

<https://www.facebook.com/media/set/?set=a.762158853914021.1073741992.202435883219657&type=3&uploaded=48>

Please refer the FAQ's for any query. For any additional queries, you may contact us at associates@gtu.edu.in

Evaluation Criteria for Student Associateship Program 2016-17

Note: The following table provides a general idea about the way evaluation is done.

Areas of Student Associateship program 2016-17	Sr. No.	Sub Activity Head	Evaluation Criteria / Points to Assigned to an Activity	Total Points	Minimum points required to earn Student Associate certificate
Startup Ecosystem Development and Research	1	Start-up Analysis	25	100	80
	2	Research on start-up funding and others	20		
	3	Arranging an expert lecture on start-up ecosystem	10		
	4	Arranging series of Start-up round tables	30		
	5	Documentation of entire work done in Startup Ecosystem Development and Research	15		
Documentation (Content Writing/ Report Writing)	1	Minutes of Meeting/ Event notes	30	100	80
	2	Report writing	40		
	3	Newsletters content writing	15		
	4	Promotional content writing	15		
IPR/Patent	1	Patent Research & Analysis	35	100	80
	2	Policy and Practice Research & adaption	25		
	3	Content Preparation & Report writing	20		
	4	Adoption of Innovative Practice & Event Management	20		

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Graphic Designing (CorelDraw/Photoshop/any related software)	1	Photoshop graphic/ Corel draw graphic	70	100	80
	2	Helping hand to start-up	10		
Film/Video Making/Photography (Cinematography)	1	Making short film/documentary for Events	80	100	80
	2	Making videos for promotion	80		
	3	Photography	80		
Design Engineering	1.	Documentation Report writing, minutes of meeting, mails etc.	100	100	80
	2.	Event management -Design of an event. -Get the expert. -Reach out. -Post event work (newsletter)	100		
	3.	Research on design thinking -Existing research. -Future scope.	100		

Note.1: For other Areas of Student Associateship program 2016-17, evaluation criteria will be determined jointly by GIC along with Associates/ Fellows.

Note.2: After successful completion of student associate program, students who have joined BE in the academic year 2016-17, can earn a total of 15 points as per 100 activity points of GTU.

To learn more about 100 activity points please visit the circular at:

http://www.gtu.ac.in/ImpCircular/Circular_4_100%20Activity_Points.pdf dated 21st July 2015

For detailed guidelines, please visit

http://files.gtu.ac.in/circulars/15DEC/16122015_01.pdf

Frequently Asked Questions (FAQs)

How can I apply for this Associates program?

Students can apply for this program through the link at

<http://gtuinnovationcouncil.ac.in/sap-apply/>

Is this a paid Program?

This is an unpaid Associates Program. Candidates will get citation and certificate after successfully completing the program.

How does the hiring process work?

Once an application is submitted online, it is reviewed against the requirements for the position. If your skills meet the necessary requirements for the position, you may receive a call from GTU Innovation Council for a more in-depth conversation about your resume and qualifications. You will be interviewed by the Recruiter and/or the Hiring Manager for the position, depending upon the position. An offer will be extended to the strongest candidate for the role.

What is the timing for the Associates hiring process?

The Associates hiring process takes approximately two weeks from the first contact with a recruiter until Associate is selected. We may not be able to call you due to high volume of applications, but you may call and mail for confirmation after 15 days of your application.

When will I hear about the status of my application?

As positions are filled, candidates will be notified via phone and e-mail of their status.

How many Associates opportunities are available?

Associates positions are posted according to GTU Innovation Council needs. So we cannot supply an exact number of available spots.

Do you have opportunities for MBA's and MCA's?

Yes. We do look for students who meet our necessary requirements.

What do I do if there isn't an associates opportunity that interests me at this time?

If you want to get ready now, create your profile. Then, come back later and apply for positions that match your qualifications and interests.

Will I get Certificate at the end of Associates program?

Yes. After successful completion of the said tenure, a certificate from GTU Vice chancellor on the Associates Program will be awarded to the Associates.

Should I send a copy of my resume via regular mail?

No please. If you want to be considered for Student Associateship, you must apply online. (There can be a few exceptions. Thus Graphic Designing candidates should share their balance link of portfolio.)

Where is Associates opportunities located?

The majority of our Associateship opportunities are located at GTU Innovation Council (GIC) office. However, many of positions at GIC can be done virtually.

Appendix 1:

A Brief Note on GTU Innovation Council (GIC)

1. GTU Innovation Council:
 - The **most active innovation council of India**
 - Established on 2nd Aug 2010
 - IPR workshops started on 3rd Sept 2011: Today, GTU is the leader in the number of preliminary number of patents filed during the last four years
 - PSAR reports: 4,50,000 reports prepared by students
 - Offering unique IPR Certificate and Diploma courses
 - GTU Student Start-up Support System (S4): working since **February 25, 2012**.
 - The S4 Co-Creation Centre (S4-C3): started on **2nd March 2013**.
 - The C-i-C3 (Community innovation Co-Creation Center): working since **1st May 2013**.
 - Design Thinking: Leader in infusing the 4-year BE program with Design Thinking

--The state of Gujarat can use GTU's experience for promoting innovation and IPR activities.
2. GTU has been working on **pre-incubation start-up activities** for many years and undoubtedly **GTU is a leader** for such activities in India. (In Gujarat, there has been an IIM Incubator for many years.)
3. **In 2014**, GTU Policy on Student Start-ups and GTU Policy on Skilling Mission was released by the Honourable Minister for Education. These were **the first such policy documents, prepared by any affiliating-type university**.
 - Now the policy is used by many universities in India
4. GTU is **the only State Technology University in India** that has been selected by the Dept. of Science and Technology, Govt. of India, to set up a full-fledged **Technology Business Incubator (TBI)** to help student start-ups *end to end*.

In 2016, the document on GTU Policy & Procedures for the Technology Business Incubator was released by the Honourable Cabinet Minister for Education and the Honourable State Minister for Education.

GTU can help build in Gujarat a robust university start-up ecosystem in Gujarat through its **Policy Incubator** and its proposed **Center for Innovation & Entrepreneurship**. The Center will carry forward various efforts on innovation and start-ups, develop pedagogic tools and processes which will be shared with all for state level start-up ecosystem development.

5. Setting up the Community Innovation and Co-Creation Centre (CiC3) – for giving to students a platform to design, build and innovate to solve local challenges –during afterhours and on holidays. These are like Fab Labs of MIT or the Tinkering Lab at Cornell University.
→ Students work at the Center till midnights and beyond.

Other Activities:

- 8 – 9 August, 2015: Visit of **Prof. Jimmy Gandhi is Director, Ernie Schaffer Center for Innovation & Entrepreneurship at California State University, Northridge, USA** and Two Day Workshop on ‘The Roles of Governments, Universities and Financial Institutions in facilitating Student-Start-ups’
- 28th and 29th May, 2015: Visit of **Dr. Ranji Vaidyanathan, Riata Faculty Fellow, School of Entrepreneurship, Spears School of Business, Oklahoma State University, USA** and a two day seminar on ‘Challenges and Opportunities in Building Start up Ecosystem in the State’ was organized to discuss the role of governments in building a start-up ecosystem in the state and a round table of Vice Chancellors to discuss offering additional credentials in Technology Entrepreneurship.
- November 21-22, 2014: GTU and **AICTE** jointly organized a National Workshop on Development of Policy Framework for Innovation, Student Entrepreneurship & IPR for Universities with a Large Number of Affiliated Colleges

PLANS FOR THE NEXT FEW MONTHS:

6. At **Ahmedabad, Rajkot, Surat, Vadodara**, GTU wishes to set up four **world class Innovation & Incubation Centres**, which will be linked to world class accelerators and other start-up support system globally. These will be hub for innovation and start-up activities catering the need of nearly 100,000 students in every region.
7. GTU can help as the nodal centre for IPR support to innovative students /teachers to protect their innovations to support 200 patents every year. At present the IPR support system is highly centralised which do not serve the purpose to cater the need of students from all over state particularly in affiliated type universities.

Some of the activities, promoted through/ by GIC:

1. **GTU Innovation Sankuls** (A framework for facilitating an active connectivity of Colleges with industries): There are 25 Sankuls, distributed geographically all over Gujarat. Every Principal. Director of every College is a Member of one of the Sankul Committees. Every

Sankul Committee is co-chaired by a

(i) **Co-Chair (Academic)** – a senior academician of the area of the Sankul and a

(ii) **Co-Chair (Industry)** - an industry Leader of the area of the Sankul

2. GTU Innovation Clubs: Every College, affiliated with GTU is required to have an active student-driven entity called the Club.
3. Students Start-up Support System (S4): - To help the budding student entrepreneurs to acquire the skill-sets, which enable them to innovate and develop technology-based student start-ups: S4 continuously organizes hands-on learning workshops. Some examples:
 - a. Social Entrepreneurship boot-camps,
 - b. Flash Ventures (ideation workshop, which goes through stages of problem identification, problem solving and ‘customer’ interviews, prototype designing, and design-re-design loop),
 - c. ‘Fuel Pad for Ideas and Start-ups’ (a series of activity parts for learning various systematic strategies to develop an idea from scratch),
 - d. hackathons,
 - e. start-up RoundTables (of students and upcoming start-ups),
 - f. Startup Analysis Sessions (market research in which start-ups are categorized into market segments and analysed wrt founder’s background, funding type, investors, marketing strategy, product type etc),
 - g. crowd-funding initiators,
 - h. S4’s Policy Incubators (RoundTable meetings of students, Faculty Members and other stake-holders from the society for understanding various aspects of policy issues): Some of the recent ones have been on the status of start-up movement and on the policy regime for start-ups,
 - i. Hosting national conferences, workshops and symposia

References:

1. Crowd funding initiator:
 - http://www.gtu.ac.in/circulars/14Jun/03062014_02.pdf
 - http://gtu.ac.in/circulars/15May/19052015_13.pdf
 - http://www.gtu.ac.in/circulars/14Jul/02072014_01.pdf
 - <http://www.gtu.ac.in/circulars/14Jul/05072014.pdf>
 - <http://www.gtu.ac.in/circulars/14Aug/01082014.pdf>
 - <http://www.gtu.ac.in/circulars/14Aug/19082014.pdf>
 - <http://gtu.ac.in/circulars/15Apr/13042015.pdf>
2. Flash Venture:
 - http://www.gtu.ac.in/circulars/14Feb/13022014_02.pdf

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- http://www.gtu.ac.in/15042014/flash_venture_for_first_and_2nd_year_GTU_students_New_S4_Fellows_Associates_final.pdf
3. Social Entrepreneurship boot camp
 - <http://files.gtu.ac.in/circulars/14SEP/08092014.pdf>
 4. Student associateship program
 - Associateship program 2014 – <http://www.gtu.ac.in/circulars/14Jul/21072014.pdf>
 - Associateship program 2015 - http://gtu.ac.in/circulars/15June/12062015_11.pdf
 5. Fuelpad
 - <http://www.gtu.ac.in/22082014/Registration%20for%20six%20evening%20sessions%20program%20-%20Fuel%20Pad%20for%20Ideas%20and%20Start-ups.pdf>
 6. Start-up Round table
 - http://www.gtu.ac.in/circulars/15Mar/20032015_02.pdf
 7. Mobile application boot camp/ hackathon
 - <http://files.gtu.ac.in/circulars/14SEP/09092014.pdf>
 - http://www.gtu.ac.in/circulars/14Aug/16082014_01.pdf
 8. Start-up analysis
 - http://www.gtu.ac.in/circulars/14Apr/10042014_01.pdf

Appendix 2:

GTU RURAL: GTU Work in Villages: The most extensive work in India

(i) Vishwakarma Yojana - 4th year

- a. GTU has been working on the Vishwakarma Yojana since 2012-13 in at least one village in every district of Gujarat. Under this program, some of the GTU's Final Year students have been taking their Final Year project on Redesigning- after re-imagining- the infrastructure of a village. A group of students, under the guidance of a Faculty Member as the Nodal Officer, study a village and prepare the DPR for their new design. During 2012-13, 65 students of degree engineering, 126 students of Diploma Engineering and 18 PG students prepared the DPRs for the infrastructure of 68 villages.

Last year 242 villages, 759 students

(ii) 500 Colleges-500 Villages (program started in 111 Engg Colleges in August 2015)

- Under this program, 646 villages in all the districts have been taken up
- By about 40,000 students

(iii) Work on Social Problems with Sabarkantha District Panchayat and Ahmedabad District

Panchayat: GTU students, in association with local administration, scouted socio technical challenges and developed problem statements with the help of GTU's Open Design School. Innovative solutions were developed at a 36-hours Hackathon on 27-28 October 2015. Now strategies to implement them at grassroots level are being made.

(iv) Research Project on Study of Model Villages

- (v) NSS – 24,000 students visit a village for 7 days:** GTU's NSS groups have been working on both school education and Swachh Bhart Abhiyan at various places all over Gujarat.

- (vi) GTU's IT Infrastructure Abhiyan (ITIA)** has been working on developing web-sites for schools in rural areas in Mehsana district. GTU's students, as a part of their Final Year project, computerised GCCI's Women's MSMEs, under the leadership of Prof Manish Garhwal of LJ Campus.

(vii) GTU's Post-Graduate Research Centre for Infrastructure, Transportation and Water Management (CITWM):

- a. On Saturday, 3rd August 2013, the Center organized a Half-day Seminar on **Affordable Housing.**

Appendix 2 on GTU Rural continued...:

- b. The University also organized a Preparatory Meeting and a Half-day Seminar on Saturday, 10th August 2013 on **Solid Waste Management** systems. The Center has also been working on 'Affordable Housing- Land use, Policies Financing & Smart Growth'.
- c. **Krupali Raval** and **Priyanka Deliwala**, two young women-students at LJ Institute of Engineering & Technology developed an innovative system of solid waste management as their Final Year project. They have studied the properties of the solid waste in Ahmedabad and the **dumping site of Pirana**. On 13th May 2014, the Vice-Chancellor of GTU inaugurated the use of the system for the entire LJ campus. GTU promised to the LJ Campus management all the help, if the technology for solid waste management were to be implemented in a village by any volunteer group of LJ Campus.
- d. GTU has established a **Graduate School of Smart Cities Development**, which was inaugurated by Shri M. Venkaiah Naidu, the Honourable Minister of Urban Development on April 18, 2015. The Graduate School has offered a training program for municipal officers from 8 States and it is in the process of organizing capacity-building programs for another State, for 19 Research Partners. It is also working on an e-course on Smart Cities.

The School has been working on the concept of **Smart Villages** and **Smart Towns**.

Launching the 500 Colleges-500 Villages project:

With the new cohort of students of August 2015, GTU is bringing together all the strands:

1. Infrastructure Development – as is being done under **Vishwakarma Yojana**
2. Digital India project- as was being done under **IT Infrastructure Abhiyan**
3. Rural Entrepreneurship- a follow-up on the **S4 work for SMEs and Social Enterprises** (S4 stands for **Student Start-up Support System** at GTU. S4 is the nation's most active pre-incubation system.)
4. Technology innovation, appropriate and sustainable technologies, traditional knowledge and bio-diversity
5. Education and cultural innovations – **as is being done under the NSS project**