



GUJARAT TECHNOLOGICAL UNIVERSITY

(Established under Gujarat Act No. 20 of 2007)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત અધિનિયમ ક્રમાંક: ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Ref: GTU/GIC/DIC/Workshop/2019/4124

Date: 13th May, 2019

Design Bootcamp 2019 - For School Children



Government of India
Ministry of Human Resource
Development

**Organized by Design Innovation Centre (DIC – Hub),
A Scheme of MHRD at GTU**

&

**In coordination with Student Start-up &
Innovation Policy - GoG**



Date: 20th May to 31st May 2019 | Time: 11:00 AM to 4:00 PM

Location: GTU, Chandkheda Campus, Ahmedabad

Location Map: <https://goo.gl/maps/xC6CH8SfQDLSkEDD9>

Gujarat Technological University (GTU), Ahmedabad is organizing two week Design Boot camp for school children (Std. 8-12) who would like to pursue their career as Designer or Innovator or Entrepreneur. The participants would learn creative thinking, sketching, problem solving and generating ideas using tools like imagination, gamestorming through Design Thinking ideology, design/practical based learning approach. This boot-camp would be run by experts in Design Thinking, Innovation and Entrepreneurship domain.

Who can participate?

This boot-camp is exclusively designed for School Children from Std. 8 to 12 of Gujarat State. We encourage schools with granted ATL (Atal Tinkering Lab) to nominate their children for this boot-camp. Non-ATL schools also may nominate their students. Maximum 8 students and 2 teachers (one teacher is compulsory to accompany students) per school would be allowed and confirmation to school would be send upon selection of the participants.

Last date for registration is 17th May 2019. We will send confirmation by 18th May 2019.

Registration link: <https://forms.gle/fxRbDnmy1uUwBMjs5>

Winners of ICT Enabled University Award; E-India 2009; Manthan Award – 2009

Nr. Visat Three Road, Vishwakarma Government Engineering College Campus, Sabarmati-Koba highway,
Chandkheda, Ahmedabad – 382424, Gujarat, India.

Tel: 079 – 2326 7500

Email: registrar@gtu.ac.in

URL: www.gtu.ac.in



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Note: This registration form need to be filled by school principal/coordinator.

Registration is free and on first come first serve basis. We will provide registration kit, breakfast, lunch and evening high tea. The prototyping material is also provided to participants during program from GTU. Just participants need to come with fresh and learning attitude.

Tentative Schedule of the boot-camp:

Week 1 (20-25 May, 2019)		
Day	Phase	Activities
20 th May, 2019 at 9:30 am		Arrival and Registration
1	Ice Breaking sessions	<ul style="list-style-type: none">Welcoming & Orientation sessionMotivational stories/Innovation through AV/Case studiesCreativity workshop: Design an experience for a friend/partner through hands-on (<i>Knowing Self & Others</i>)
2	Intro to DT	<ul style="list-style-type: none">Introduction of Design Thinking (DT) MethodologyDesign Methods & Learning tools of DT, Team BuildingObservation basics - What? How? Why?Games for Observation skills
3	Empathy Phase	<ul style="list-style-type: none">Introduction to Challenges/DomainImmersion through Field visitPrimary and Secondary data findingCulture, Questioning
4		<ul style="list-style-type: none">Selecting & Define Problem StatementHMW and POV

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5	Ideation	<ul style="list-style-type: none">• Ideation : Imagination, Sketching, Rough Prototyping• Prototyping, Communication and Detail Design
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Week 2 (26-31 May, 2019)		
6	3D Printing	<ul style="list-style-type: none">• Introduction of 3D Printing• Part Modelling and building using 3D printer
7	Basic Electronics workshop	<ul style="list-style-type: none">• Basic Electronics: Various boards, sensors• Hands-on to build Drone or Robot
8	Tod-Fod-Jod workshop	<ul style="list-style-type: none">• Reverse engineering• Understanding of basic technology, functionality• Rebuild the product
9	Iteration	<ul style="list-style-type: none">• Iterating your solution based on learning the basic technological aspects and Field visit2
10	Mentoring and Feedback	<ul style="list-style-type: none">• Team to team mentoring through experts to refine the solution
11	Final Prototype	<ul style="list-style-type: none">• Preparing your final model
12	Demo Day	<ul style="list-style-type: none">• Showcasing your final solution• Valedictory and certificate distribution

During these two weeks, we may also arrange visit to industry, recreational activities, fun trips and modify the schedule as per contextual need and situation.

For any query, kindly contact:

Mr. Karmjitsinh Bihola, DIC Coordinator, GTU – 90990 90464



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Mr. Raj Hakani, DIC Coordinator, GTU – 74056 33889 or 97240 82290

Sd/-
Registrar (I/c)