



BITS
Edu Campus
Vadodara



SMART CITIES
RESEARCH
HACATHON
SSIP
START UP INNOVATIONS
PROJECTS
INDUSTRY FUNDED RESEARCH
FAB LAB
WORKSHOPS
SEMINARS
3 D PRINTING
E-YANTRA VIRTUAL LABS

BITS

INNOVATION
CENTRE

Learn to Lead

8238077699



BITS INNOVATION CENTRE

BITS INNOVATION CENTRE, a unit of BITS Edu Campus, has been established to catalyse proactive applied research. The various facilities, proactive initiatives to promote research (both sponsored & academic research) and consultancy are unparalleled at BITS INNOVATION CENTRE.

The vibrant R&D culture will foster innovative spirit and kindle the young minds at the campus under the mentorship of motivated faculty members of all the departments.

VISION:

- To endow state-of-art research facilities for the incubation, realization and promotion of innovative ideas for the betterment of society.
- To impart hands on training on innovative equipments to the researchers.

MISSION:

- To be a hi-tech incubation centre for assisting researchers, academicians and industrialists in real-time realization of their ideas and promoting innovative solutions to real life problems.
- To cultivate strong research ethics, problem solving attitude in the academicians, who will shape tomorrow and, in the students, who are tomorrow.

TEAM BITS INNOVATION CENTRE



Dr. Santosh Shah
Director-Innovation
Prof. Civil Engg. Dept.
Ph.D. (IISc, Bangalore)



Dr. Heli Shah
Dean-Innovation
Associate Prof. Elect. Engg. Dept.
Ph.D. (SVNIT, Surat)

STUDENT STARTUP & INNOVATION POLICY



#startupindia

**Education Department, Govt. of Gujarat granted
Rs. 60 Lacs to Babaria Institute of Technology under the
Student Startup & Innovation Policy.**

Projects sanctioned by Govt. Engg. College, Dahod

- A project from CIVIL Engg. Dept. titled "**3D Printing of Concrete**" has been granted Rs. 50,000/- from SSIP.
- A project from Mechanical Engg. Department titled "**Application of Thermal Battery to reduce power consumption of refrigerators**" has been granted Rs.45,000/- from SSIP.
- A project from CIVIL Engg. Department titled "**Scour pattern study of various pier configuration under variable rainfall and flood conditions**" has been granted of Rs. 50,000/- from SSIP.

SEMINARS & WORKSHOPS



Shri Bharat Dangar
(Hon. Mayor, Vadodara),
delivering Key note address
during Two Days National
Seminar on Smart Cities -
Current Scenario & Future
Challenges.
24-25 March 2017



3D PRINTING - PRINT YOUR IMAGINATION

24th of Sept., 2016. by
Mr. Ronaksinh Parmar,
CEO, Utpal 3D System Pvt. Ltd.
Ahmedabad

Dr. Santosh Shah, Delivering a Talk
on "Smart Concrete for Smart
Cities" at Two Days National
Seminar on Smart Cities - Current
Scenario & Future Challenges
24-25 March 2017.



INDUSTRY FUNDED RESEARCH



Project : Development of
Hydrophobic Admixture
for Concrete

Dr. Prakash Mehta
(CEO Tawata Technologies) with
Dr. Santosh G. Shah, Director (Innovation)



Mr. Rajnikant Patel,
Director
GTU School of Smart Cities
at National Seminar on
Smart Cities
24th-25th March 2017.



11th February 2017 at BITS Edu Campus

45 SCHOOLS PARTICIPATED

- from All Over Gujarat
- Working Models - 57 Nos.
- Static Models - 37 Nos.
- Posters - 46 Nos.
- Quiz- 70 Teams
- BITS Innovative Projects -16 Nos.

*"I am constantly asked by students
how I get ideas. My answer
is simple: First, have a lot of ideas.
Then, throw away the bad ones."*

- Linus Pauling, Nobel Laureate



INAUGURATION CEREMONY



School Students
presenting their project at
Khoj 2017



Dr. (Prof.) Parimal Vyas, Vice Chancellor
The Maharaja Sayajirao University
of Baroda





PROUD RECIPIENT

COMPUTER SCIENCE & ELECTRICAL ENGINEERING DEPT.

**Babaria Institute of Technology
has been awarded the e-Yantra
(Embedded Systems & Robotics) lab.
Sponsored by MHRD, Govt. of India.**



Embedded Systems &
Robotics Lab
Supported by e-Yantra Lab Setup
Initiative (eLSI)-IIT Bombay
Funded by MHRD under National Mission
on Education through ICT (NMEICT)



**Babaria Institute of Technology
has been designated as NODAL CENTRE for**



An initiative of
**Ministry of Human Resource
Development (MHRD),
Government of India**
under the National Mission on
Education through ICT in collaboration with



Certificate of Appreciation
from GTU Innovation Council
by Dr. Navinchandra Sheth,
Vice Chancellor of GTU
for outstanding efforts in
successfully organising student's
Project Exhibitions -2017

In accordance with the directives of GTU,
Babaria Institute of Technology -
BITS Edu Campus organized Project Fair of all
the Final Year Students - ExhiBITS 2017
on 8th April 2017 under the banner of
CSI, IETE and GESIA.



Shri Darshan Shukla,
Sr. DGM, L&T Power
at Valedictory Ceremony,
EXHIBITS 2017

15 students presented their project at
Sayaji Start-Up Summit

ENTREPRENEURSHIP

SAYAJI
STARTUP
Summit 2017



Signed MOU with Wadhawani Foundation National Entrepreneurship Network, to accelerate entrepreneurship, innovation & skills development among students.



Dr. Santosh Shah,
Director-Innovation
Next Gen Nanotechnology
at 3 Days Entrepreneurship
Awareness Camp on 11th -13th
August, 2016, by NSTEDB,
DST and Supported by EDI.



Seminar on "10 steps for Successful Entrepreneurship"
supported by Alibaba.com



Startup Master Class was organized by GTU Innovation Council @ BITS Edu Campus, Vadodara



A Master Class was taken on "Idea Validation" by Mr. Haituk Shah on 4th August, 2018



"Product Design" by Mr. Kiran Patel

"Idea Validation" by Mr. Haituk Shah

"Product Design" by Mr. Kiran Patel

"Product Development" by Mr. Deepen Barai

"Innovation and IPR" by Mr. Kirti Patel

"Product Validation" by Mr. Rohit Dave

"Market Analysis & Strategies" by Mr. Harsh Shah

"Branding & PR" by Mr. Keyur Patel



VGSS ROADSHOW 2018



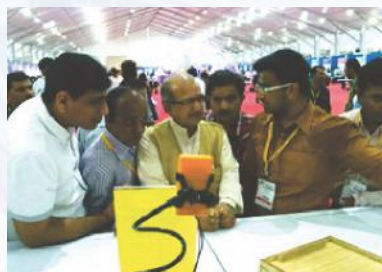
"Vibrant Gujarat Startup & Technology Summit 2018" by Mayank Patel, CEO, CrAdLE - EDII



Oct. 6th to 10th, 2016 | Vadodra, India

S.Praveen receiving the 3rd Prize

12 students presented their project.
E&C Student won the third prize
at SWITCH Global Innovation Expo 2016.



Shri Bhupendra Sinh Chudasama,
Education Minister-Gujarat,
with BITS Edu Campus Student @
SWITCH Global Innovation Expo.



E&C Engineering Student at
Switch Global Innovation Expo,
Vadodra

INNOVATIVE PROJECTS



WINNING LAURELS



Mechanical Engg Students won cash prize of Rs. 1 Lac at Hi-Tech 360 DegreeTech Fest 2017 - IIM Ahmedabad



Keval, Yagnesh, Keyur & Parth of Civil dept. won 2nd prize @ IMAZE 2017. GCET. For their Project - Harvesting energy from Haulage vehicle towards sustainable future.



Civil Engineering Students at Bridge the Gap Competition-2017, at CEPT, Ahmedabad



Dimple, Shreya, Azif and Chitrang of Civil dept. won Second Prize @ Hi-tech IIMA 2017 for their project "Ultra high strength concrete with reduced carbon foot prints".



Zarrar, Richa, Umang, Soham, Khus and Stuti of Computer Science dept. at Finale of Smart India Hackathon 2017, JSSATE Noida.



SMART INDIA
HACKATHON

You did
something
amazing



STARTUP SUMMITS



Mrutyunjay Joshi of Mech. Dept. at B to G meeting with Ministry of Agriculture and farmer welfare, Government of India, at 8th Vibrant Gujarat Global Summit - 2017



Students of Mechanical & Electrical departments displaying their projects at VG Start Up Summit - 2016, a two day event for Start Ups & aspiring entrepreneurs hosted by Government of Gujarat.



PHARMACY



TOP INNOVATION IN INDIA

A project titled "Novel Carrier Systems For Targeted Drug Delivery In The Treatment of Arthritis" undertaken at BITS edu campus by Dr. Prachi Pandey, a faculty member of Babaria Institute of Pharmacy was shortlisted among top innovations of India in year 2015. She received appreciation award from Dr. Y.S. Rajan, distinguished Scientist-Indian Space Research Organization.

Babaria Institute of Pharmacy, Vadodara received GTU Innovation Council -i2i (Innovate to Impact) Award 2016 on 5th GTU Innovation council Sankul day organized on 14th February, 2016, at Ahmedabad. The Team of Babaria Institute of Pharmacy, Vadodara, Dr. Prachi Pandey and Dr. Vandana B. Patel and got the first rank for their contribution in creating Novel carrier systems for targeted drug delivery in the treatment of Arthritis.



RESEARCH GRANTS



Name of Faculty	Grants Fetched	Sponsor Body
Dr. Prachi Pandey and Dr. S. S. Pancholi	Rs. 14,50,000/-	AICTE
Dr. Vandana B. Patel	Rs. 66,000/-	GUJCOST
Dr. Vandana B. Patel	Rs. 1,30,000/-	Industry - Shukla Asher Impex Pvt. Ltd., Rajkot
Dr. Vandana B. Patel	Rs. 2,50,000/-	GUJCOST
Dr. Sangeetha Rajbanshi	Rs. 3,00,000/-	GUJCOST
Dr. Naazneen Surti and Dr. Meenakshi Patel	Rs. 1,10,000/-	GUJCOST



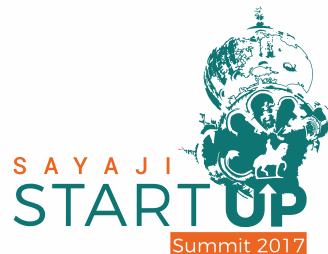
CONSULTANCY PROJECTS

Title	Sponsor Body
Animal and microbial study of the product " Green Clean ".	Shukla Ashar Impex Pvt. Ltd. Rajkot
Pharmacological Investigation into In-vitro Anti-Spasmodic Activity of 'Casper' Drops (Export only).	Vasu Research Centre, Vadodara
Pharmacological evaluation of Spark capsule (an ayurvedic proprietary medicine) on reproductive functions of male rats.	Vasu Research Centre, Vadodara
Oral toxicity study and efficacy evaluation of proprietary ayurvedic tablet in Polycystic ovary syndrome.	Vasu Research Centre, Vadodara

RESEARCH



A project of Babaria Institute of Pharmacy received a research grant of Rs. 14.5 Lacs, under Research Promotion Scheme of AICTE, New Delhi.



Project appreciated and selected as a potential startup for support by a panel of experts and entrepreneurs from different facets such as healthcare, law, finance, marketing etc. at World's longest and biggest Sayaji Startup Summit, Vadodara in two consecutive years, 2017 and 2018.

MOU's with Pharmaceutical industries:



MOU with Shri Shrenik Shah, Technical director, Montage Laboratories



MOU with Dr. Hardik Soni, Sr. Manager, Vasu Research Centre



A faculty member of Babaria Institute of Pharmacy Dr. Prachi Pandey Completed the PG Diploma in Patents laws from National Academy of Legal Studies and Research (NALSAR University), Hyderabad and bagged 1st rank in India with A++ grades and then qualified the Patent agent exam, 2019 conducted by Indian Patent office, govt. of India and got her name registered in the official gazette of India for filing and prosecuting patent applications in India.



Patents Published



Application Number	Title of Patent	Applicant and Inventors
1964.MUM.2015	NOVEL ORAL SOLID DOSAGE FORM OF HERBAL ANTIOXIDANT	Dr. Vandana B Patel, Ms. Roshni Amin, Dr. Prachi Pandey.
201621000190	ORAL AEROSOL OF VARDENAFIL FOR THE TREATMENT OF ERECTILE DYSFUNCTIONING	Dr. Vandana B Patel, Mr. Niral Parikh, Dr. Prachi Pandey.
201621016158	VISCOSUPPLEMENTARY DRUG DELIVERY SYSTEM OF SIMVASTATIN FOR OSTEOARTHRITIS	Shri Dhruv J. Patel, Dr. Naazneen Surti, Ms. Karishma Patel.
201621016150	VAGINAL DRUG DELIVERY SYSTEM OF METRONIDAZOLE AND CLOTRIMAZOLE	Shri Dhruv J. Patel, Dr. Naazneen Surti, Mr. Kushan Shah.
201721013027	MICRONEEDLE ASSISTED TRANSDERMAL DELIVERY OF BUSPIRONE.	Shri Dhruv J. Patel, Dr. Manisha Lalan, Ms. Aparna Prasad.

Patents Filed

Application Number	Title of Patent	Applicant and Inventors
201821000775	PENETRATION ENHANCER CONTAINING VESICLES AS CARRIERS FOR TOPICAL DELIVERY OF CURCUMIN FOR PSORIASIS	Shri. Dhruv J. Patel, Mr. Udit Vyas, Dr. Prachi Pandey.
201821046134	ELASTIC VESICLES CONTAINING CORTICOSTEROID AS CARRIER FOR TOPICAL DELIVERY IN PSORIASIS	Shri. Dhruv J. Patel, Mr. Udit Vyas, Dr. Prachi Pandey.



MOU's with Pharma Industries



SEMINARS & WORKSHOPS

at Babria Institute of Pharmacy to promote innovations and entrepreneurship



3 days Entrepreneurship Awareness Camp sponsored by NSTEDB, DST & supported by EDI, Ahmedabad.



GUJCOST
Sponsored



StateLevel Seminar on
"Entrepreneurialism and its venture
in Pharmacy" 3rd February 2018

Gujcost sponsored National seminar- Expert Lecture by
Shri S. K. Nanda, Chairman and Managing Director - Gujarat
State Fertilizer Corporation Limited, Government of Gujarat



7th National Seminar "Pharma Vision".



Dr. Mahesh Burande, Adjunct Professor,
MCOPS, Manipal, Hon. Director, IPER, Pharma
consultant and trainer delivering expert talk.



Contact :

BITS
Edu Campus
Vadodara



BITS Edu Campus, Vadodara-Mumbai NH# 8, Varnama, Vadodara 391240, Gujarat, INDIA
Phone : +91 - 265 2303991/2/3 Fax : +91 265 2359999 www.bitseducampus.org