



# #ASHTAG



Vidya Vikas Education Trust's

## Universal College of Engineering

Gujarati Linguistic Minority Institution

NAAC ACCREDITED B+ GRADE



## Applied Science and Humanities Department

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## VISION

The Department of Applied Science and Humanities is committed to dynamically integrate the components of Science, Humanities and Engineering to groom students to transform them as globally acknowledged professionals.



## MISSION

The department is carrying a mission to create and disseminate the knowledge and techniques in intellectual areas of engineering and other core areas of Applied Science and Humanities for betterment of Eco system.

To inculcate the importance of Applied Science and develop a natural flair for Engineering and Technology which in turn shall mould students into a competent professional.

To be recognized for practicing the best teaching-learning processes to create highly competent, resourceful and self-motivated young Engineers for the benefit of the society.

## Demo Lecture 2019-20

The second Demo Lecture sessions were conducted on 29<sup>th</sup> July, 2019 by the faculties of Engineering Mechanics, Engineering Physics, Engineering Chemistry and Basic Electrical Engineering. The objective was to make faculties improve the areas of teaching by providing appropriate feedback.

Faculties displayed effective teaching learning methods during their respective sessions. The department is committed in incorporating effective teaching outcomes for the students to understand the concept and its applications. The first demo session of Mathematics and Communication Skills were conducted on 3<sup>rd</sup> July, 2019.

**The list of the titles presented by respective faculties are mentioned below**

Mr. Shivam Shukla	Kinetics of Particles Newton's Second Law of Motion
Dr. Jitendra.B.Patil	Softening of Hard water
Mr. Masiyuddin Khan	Fourier Series
Mr. Aniket Patil	Kinematics of Particles- Introduction to Motion Parameters
Mr. Karthik Sankararaman	Introduction to Engineering Mechanics
Mr. Kamlesh Tiwari	Laplace Transform
Mr. Nitesh Chaubey	Complex Variable
Ms. Komal Jain	Intermolecular Forces

## Demo Lecture 2019-20

Ms.Teena Trivedi	Complex Integration
Ms.Neha Shah	Superconductivity
Ms. Ann John	Phonetics
Ms. Surbhi Gour	Presentation Skills
Ms. Marina Thomas	Intermolecular Forces
Ms. Harshala Patil	Interference of Light
Ms. Damina Bhuva	Correlation
Ms. Marina Thomas	Emotional Intelligence
Ms. Swarali Narvekar	Source Transformation
Ms. Sampada Pimpale	DC Series Circuit

Demo Lecture session provided a platform for the Faculties to interacted acknowledge the areas of improvement. Th feedback and appreciation after the session boosted the confidence of the faculties to incorporate new teaching methodologies.

The main focus of teaching is to facilitate learning. Therefore new concepts of teaching-learning were amalgamated in demo lectures to improve student encouragement, motivation and attainment to create a win-win situation for both students and teachers.

The demo sessions were evaluated by Mr. Shivam Shukla (HOD) by a scoring system, preferably aligned with the levels of performances in implementing teaching effectiveness.

## College startups that went on to become big companies

Many students pitch their ideas, start a venture, have a decent clientele and it is all fine till the time they do anything in college. Once college is over, there is a very competitive world waiting outside.

Above all, parental pressure forces students to give up their entrepreneurial spirit and sit for campus placements. Despite all this, here is a list of nine campus startups that went on to become big companies:

**Practo:** Some real-life incidents mark the beginning of huge entrepreneurial ideas. Shashank ND who Co-founded Practo with Abhinav Lal wanted a second opinion for an operation his father was about to undertake. He couldn't track the required doctor which led him to set up a platform where patients could search for their doctors, gather information about them and book appointments. What started in final year of Engineering at National Institute of Technology Karnataka, Surathkal now plans to expand itself to overseas markets and tier 2 cities apart from the top cities in India. Today, in terms of market share, Practo is the best in its sector.

**Strados:** This young mind believes in understanding the classroom concepts more efficiently with the help of practical knowledge of a startup. Nishanth Samala, while studying at Illinois Institute of Technology created an app Strados that translates a car's data into emotions. It detects the car's problem, gives a solution along with an estimate of expenditure involved which makes it easier for the user to know the problem with the car.

## College startups that went on to become big companies

**Bewakoof brands:** Once an entrepreneur, always an entrepreneur. Prabkiran Singh and Siddharth Munot, Civil graduates of IIT Bombay, began printing bulk t-shirts for college fest and received decent amount of orders though they didn't want to continue doing this. Once they finished college, they racked their brains to different ideas and hence Bewakoof Brands was created. Doing justice to the humour sector, they brainstorm their creative ideas based on what the current trend is. They started with getting orders worth Rs. 25000-30000 everyday.

**Dolojo:** Vijith Padmanabhan is the Co-founder of Dolojo who believes in connecting people. He and his friends pursued engineering from Modern Engineering College, Ernakulam. He started with bluebag in providing solution for cloud bookmarking. Vijith created Dolojo which is the short for 'do, love and joy' – all that makes a person a better human being. Vijith and his friends have created a lot of social networking websites.

**Notemybook:** While pursuing Computer Engineering from Vivekanand Education Society's Institute of Technology in Mumbai, Divyansh Saxena co-founded Notemybook with Vikramank. Inspired by their senior who implemented a similar idea during their college days, they wanted to carry it forward and hence Notemybook came into existence. They aim to minimize the cost of education by providing a platform to the students where they can sell or/and buy books at low prices. Already functioning in 10 colleges of Mumbai, they plan to expand in major cities in Maharashtra.

[Source :https://yourstory.com/2015/08/college-startups](https://yourstory.com/2015/08/college-startups)

## Article

### College startups that went on to become big companies

**Bluegape:** Ayush Varshney and Co-founder Sahil Baghla were usual IIT Kanpur students who started Bluegape from their hostel. Funding wasn't really a problem for them as Sahil had an internship in the US. Printing posters fascinated them as a potential startup idea, and they kicked off with buyers limited to their campus. By the end of three months they were able to get a turnover of Rs. 1 lakh. Initial stages do have a lot of flaws and they had to undergo the same that is copyright issue. It was difficult for them to check if the picture was genuine or not. Soon they started launching their own products like coffee mugs, cushion covers, laptop skins, and T-shirts and hit the Rs 1 crore title. Since then, the company has pivoted. Bluegape is now a visual blogging platform for the social age, where users can create lists and engage in a dialog with others.

College graduates know the feeling of living the college life. Nobody remembers the class time but all the conversations they had at the coffee shop or in OAT which are filled with ideas. Ideas that are spontaneous, fresh, unique, and cheap. For a campus startup to be successful, it takes a lot more than just having that awesome idea and the belief that it will grow. It requires patience, business smartness and determination to turn the hostel room nuisance into a profitable business

Source :<https://yourstory.com/2015/08/college-startups>

## Milestones

Mr. Shivam Shukla attended in the QIP Short term Course 'Analysis of Modern Manufacturing Processes' from 08<sup>th</sup> July 2019 – 12<sup>th</sup> July 2019 at Indian Institute of Technology Bombay.



## Orientation Programme 2019

Department of Applied Science and Humanities had organized an Orientation program for the second batch of new entrants on 7<sup>th</sup> august, 2019.



*Dr. Jitendra.B.Patil ,Campus Director interacted with new entrants during Orientation Programme. He explained an overview about of the academic aspects of the course, rules and regulations of the Institute and ensuring parental participation in monitoring the performance and progress of the students.*



Mr. Shivam Shukla gave an introductory session of Applied Science and Humanities department which helped students to prepare well to adapt the rigorous regimen of the department. It was an informative session for the budding engineers to understand the various functions of the department, it's consistent and exceptional academic excellence and mentoring sessions for the holistic development of the students.



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your thoughts  
into words and  
words into  
Action"



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