Nirma Institute of Technology Alumni Association (NITAA)

Volume - 14

SETU
“Higher education stands for humanism and for adventure of ideas through constant research. If these functions are performed well, then it is well with the nation and the people.”

Dr. Karsanbhai Patel
President, Nirma University

FROM EDITOR’S DESK
Dear Alumni Members,
Namaste!

The publication of SETU gives us an opportunity to make you aware about the recent activities carried out at our campus. We believe that information provided here will be useful to all of you for making stronger bond amongst all the stakeholders of NITAA.

The world has become small village due to use of Information Technology based resources. To make our contact closer and stronger, we had implemented new software called Alma Connect. We are happy to inform you that we now have an Alumni-Faculty-Students interaction portal helping us to share information amongst all of us.

The web portal address is http://nitaa.almaconnect.com. We have pre-filled some information for you based on the data available from our institute. You just need to set your password in order to start using the portal. By registering yourself on Alma Connect stay connected to our campus for updates related to Institute of Technology, Nirma University.

We would like to congratulate and express our hearty thanks and gratitude to all the NITAA branch coordinators and other stakeholders of NITAA. This magazine would not have been completed without their important inputs and support. We cordially express our gratitude to all of you who have contributed articles for this issue of SETU. God bless you all and keep you moving ahead on the path of progress.

Dr. Nagendra Gajjar

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Designed By
Rohit Nair, Siddharth Ayer

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List of NITAA Committee
2015-16

Dr. K. Kotecha : President
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Prof. Tejas Joshi : Treasurer

SETU Volume 14
For the year : 2014
all the correspondence to NITAA should be made to

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Prof. Himanshu Patel (IC)
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Prof. Usha Mehta (EC)
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Prof. Nikita Chokshi (CH)
Prof. Tejas Joshi (CIVIL)
Prof. Nipen Shukla (III Cell)
Dr K Kotecha  
Director - Institute of Technology  
Dean Faculty of Technology and Engineering

Dear Alumni,

The most rewarding time for a teacher is when they see their protégé and students striding robustly into their chosen field and bringing laurels to themselves and to their alma mater. You all are our pride and our ambassador. With you, we have made and shared too many moments, triumphs and memories. With you, we have made and are hoping to sustain a community where, all can feel the belongingness.

With great pleasure, I would like to tell you that we are proactively contributing to the field of education, research and society-full throttle. This year was very generous and we have had a more stellar reputation now with several more achievements.

To share these with you through this magazine ‘Setu’ serves the purpose of having this journal at the very first place. It will bridge the gap between you and your alma mater and also will act as the umbilical cord to all alumni.

The bonds formed during the formative years of a university education are strong. Friends, professors and mentors actually consciously and unconsciously nurture, help and support the students through this bewildering time, when the future looks too dazzling and challenging and present too taxing-full of assignments and submissions.

I am sure, while reading this magazine you will be able to recall the lush green, serene environ of your campus and the vibrancy that always engulfs it throughout the year.

We welcome and invite you to the Institute. I request you to be with us physically, mentally, morally. Share your experiences, your expertise. Your fraternities and sororities are looking up to you, you are their role models.

Motivate them, inspire them, and embrace them.

Dr K Kotecha  
Director
Report on Alumni Meet @ Bangalore on September 7, 2014

An alumni meet was organized on September 7, 2014 in Bangalore. The meet was scheduled from 5 pm onwards. It was held in Hotel IRIS The IRIS INN By Bhagini, No. 21, 22/3, Outer Ring Road, Mahadevapura, Bangalore - 56 00 48. Prof N P Gajjar, Secretary-NITAA and Prof. Mehul R. Naik, AP, EC represented NITAA and IT-NU.

The meet was attended by more than 90 alumni members from Bangalore along with their spouse and children. The senior most was from the 2003 batch.

It started with registration. The alumni members paid Rs. 400 per person as contributory fund towards the meet expenses including dinner. After registration, the meeting started with offering prayers to Goddess Saraswati. NITAA President and Director's Message of keeping touch with the alma matter and expressing the best wishes for alumni's professional life was read out by Dr. N. P. Gajjar. He then briefed about NITAA activities and the development of the institute and university. All alumni members were eager to know about the progress of the institute and appreciated the effort. All alumni members introduced themselves and interacted in the group. On the request of alumni members to share about how Dr. Gajjar made professional progress so far, he narrated his efforts and hard work for the academic as well as professional excellence. Prof. Mehul R. Naik also addressed the same and inspired alumni members for the continuous growth.

A small talent show was organized afterwards in which alumni members participated by performing on guitar, singing folk songs, motivational songs, reading poems and also performing mimicry that entertained all with laughing spirit.

Alumni members were given Alumni Feedback form to be filled up. This forms will be input for NAAC preparation and department development. Alumni members welcomed the move of having alumni meet in Bangalore. They all enthusiastically participated in the meet. They were in demand of having such meet every year meet.

Local Volunteers were: Fagun Pathak and Rachit Patel both from the 12MECE batch (M. Tech. (EC – Embedded System).

The meet was a huge success having more than 70 alumni members participating. The meet ended with a grand dinner in the hotel.

Dr Nagendra Gajjar, Sr. Vice President, NITAA

Report on Alumni Meet @ Greater Noida on Feb 02, 2014

An alumni meet was organized on Feb 02, 2014 in Greater Noida. The meet was scheduled from 5:00 pm onwards. It was held in Hotel Yellow Chilli Nr. Jagat Farm, Greater Noida. Dr N P Gajjar, Sr Vice President, NITAA and Dr N M Devashrayee, PG Coordinator, VLSI Design represented NITAA and IT-NU.

The meet was attended by more than 45 alumni members from Noida and Greater Noida along with their spouse.

It started with registration. The alumni members paid
Rs. 350 per person as contributory fund towards the meet expenses including dinner. The gathering started meet by offering payer to almighty.

NITAA President and Director's Message was read out about the best wishes for alumni’s professional life, Be in touch with your ALMA matter, Invitation to visit Campus.

Dr. N P Gajjar briefed about NITAA activities and the development of the institute and university. All alumni members were anxious to know about the progress of the institute and appreciated the effort. All alumni members introduced themselves and interacted in the group. Dr N M Devshrayee addressed to members for their professional career growth path and few words of wisdom.

Alumni members were given Alumni Feedback form to be filled up. This forms will be input for NAAC preparation and department development.

Alumni members welcomed the move of having alumni meet in Greater Noida, Delhi Region. The Sr. alumni promised of helping students in internship placement. They all enthusiastically participated in the meet. They were in demand of having such meet every year.

Local Volunteers were Alumni Member Mr. Deep Mehta (M.Tech in EC- 2011 Pass out Nirma Uni.) and Mr. Milin Rajjada (M.Tech in EC 2012 entry). The meet was a huge success having more than 50 alumni members participating.

The meet ended with Grand dinner in the hotel.

Dr Nagendra Gajjar, Sr. Vice President, NITAA

A Report on Alumni Meet @ Pune on March 23, 2014

An alumni meet was organized at Pune on 23rd March 2014 with the following agenda:

1. Strengthening alumni institute linkage
2. Exploring possibilities for project placement in Pune based industries
3. To invite alumni as resource person for expert talks and interaction sessions
4. Seeking guidance and support from Alumni for the placement of final year students

Sixty students registered online for attending the meet and 70 attended the same.

Faculty Members Involved from NITAA:
1. Mr. Yash Pal Singh Kanwar, University Head - Corporate Relations
2. Dr. N P Gajjar (EC Engg Department)
3. Prof. Pooja Shah (Computer Engg Department)
4. Mr. Nipen Shukla (MANAGER CORPORATE RELATIONS and III cell coordinator)

The meet began with informal welcome address by Prof. Pooja Shah, followed by formal welcome and agenda unveiling talk by Dr. Nagendra Gajjar. Dr. Gajjar further emphasized on various B.Tech. and M.Tech programs at Nirma University and elaborated on how the alumni can contribute. Mr. YPS Kanwar addressed the gathering and talked about the benefits of alumni bonding and thus further upbringing of the Institution. Mr. Nipen Shukla elaborated on current placement status and urged the alumni to keep up their kind help for internship and placements.

The gathering proceeded with ice-breaking and warming up group games and introductory session.

Major suggestions from the alumni, when asked about “Enrichment of course structure from industry perspective”, were as under:

Focus of courses must be on practical aspects and projects rather than theories for which,

Project legacy system and its implementation should
be promoted at university level
Professional approach should be adopted for project
design, implementation and evaluation.

Instead of focusing the evaluation around output, it
must be around process and project management.

Industrial exposure should be increased by giving
industry interaction based assignments especially
before placements. Alternatively, frequent guest
lectures by alumni can be arranged to get hold of
current industrial requirements.

Interdisciplinary approach should be nurtured for
taking up useful real time projects.

Working for internship at startups can be considered
the best learning experience and thus startups should
be considered equally with the MNCs for internship.

Syllabus must be updated more frequently to make
students learn and adopt the latest technology.

Participation in competitions like GSOC should be
promoted with significant mentoring.

Credit less courses on personality development
and entrepreneurship development related
courses should be introduced. Entrepreneurship
support cell must be established in University.

Library which is one of the strengths of Institute of
Technology, is underutilized. Library usage
assignments should be promoted to increase the
students' indulgence in rich library resources.

- On campus hostel is a must for the ultimate
development.
- Not only technical companies but
management companies must be considered
for placements.
- Some students also offered job for interested
in their startups (eg. Mr. Dhaneet Bhatt for his
startup Sukriti)

The alumni members attending the meet were asked
to fill the standard NITTA feedback form. From the
analysis of the feedback form, the major strength
of the Institute pointed by the alumni are infrastructure,
faculties and placements. The major weakness
pointed was the stringent attendance constraints.
Analysis of the institute rating from the feedback of the
institute received based on several criteria is shown in
as under:

Seminar on Inculcating Entrepreneurship Skills in
students and Innovative Career Possibilities

A seminar on “Inculcating Entrepreneurship Skills in
students and Innovative Career Possibilities” was
organized by NITAA on 7/10/2014 from 4.00 am to
6:00 am at A101. This seminar was aimed to teach
students the perks of developing, organizing and
managing a business venture.

The seminar was conducted by Mr. Hardik Pandya
and Mr. Aditya Patadia, Nirma Alumni.
The seminar started with a presentation depicting a timeline of the events that helped them reach the pinnacle. These events were related mainly to academics.

The intelligent duo shared every piece of information they had under their hat about Entrepreneurship. As our respected alumni are Entrepreneurs, their hands-on experience was very useful to the students to understand the in and out of Entrepreneurship.

They were candid enough to explain to the people as to who should go Entrepreneurship and explained that it was not everyone’s cup of tea.

The learned alumni were straightforward in explaining the pros and cons in going about Entrepreneurship. They explained that an Entrepreneur can be one’s own boss and work for oneself.

They explained the importance of using the World Wide Web efficiently. They were obliging enough to answer all the questions asked by the students.

They held 2 question-answer rounds. One in the mid and one at the end, thus making the session all the more interactive. This seminar proved to be a great motivation for students wishing to pursue Entrepreneurship.

Around 100 students have attended the seminar. The photographs are attached with the report for your reference. Overall, it was explanatory, fun-filled and exceedingly beneficial to all the students attending the same. It was highly appreciated by the students.

Prof. Usha Mehta, Prof. Anitha Ashishdeep Coordinator of program, IT, NU

Seminar on Entrepreneurship-Opportunities and Challenges

A seminar on "Entrepreneurship-Opportunities and Challenges" was organized by NITAA on 11/04/2014 from 9.00 am to 11:00 am at A101. This seminar as aimed to teach students the perks of developing, organizing and managing a business venture.

**Mr. Nirmit Parikh**, Founder & CEO, Cruxbot, a Nirma Alumni, was the speaker of seminar.

One of the most successful entrepreneurs - winner of many international and national awards and a Nirmaithe himself, students found his story very relatable.

The entire journey of ups and downs, taking risks, facing their outcomes and becoming an achiever taught students the three essential qualities of success - Courage, Taking Risks and Constant Determination. Analogies of Dropbox, Facebook, Instagram, Cruxbot etc aroused interest and students actively participated in interaction.

He made them realize the importance of not only the managerial and innovative concepts but also hardcore engineering fundamentals.

A small video asking "Remember when you were just a kid and thought you could do anything?" refueled every fearful and dubious heart sitting there - "You still can". Around 100 students have attended the seminar.

The photographs are attached with the report for your reference. Overall, it was an informative and inspiring seminar. It was highly appreciated by the students.

Prof. Usha Mehta, Prof. Anitha Ashishdeep Coordinator of program, IT, NU

“Choose a job you love, & you will never have to work a day in your life.”

Prof. Usha Mehta, Prof. Anitha Ashishdeep Coordinator of program, IT, NU

“Choose a job you love, & you will never have to work a day in your life.”
<table>
<thead>
<tr>
<th>Department</th>
<th>Type of Activity</th>
<th>Date</th>
<th>Brief details of the activity</th>
<th>Participants</th>
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</thead>
<tbody>
<tr>
<td>IC</td>
<td>Expert Lecture</td>
<td>04/03/2014</td>
<td>&quot;Experience Sharing as an Entrepreneur&quot;, Mr. Nirmit Parikh</td>
<td>B.Tech Sem VI, IC</td>
</tr>
<tr>
<td></td>
<td>Expert Lecture</td>
<td>15/10/14</td>
<td>How to enhance presentation skill by Ujjawal Modi, Linde, Baroda</td>
<td>B.Tech V</td>
</tr>
<tr>
<td></td>
<td>Seminar</td>
<td>04/11/2014</td>
<td>&quot;Entrepreneurship: Opportunities and Challenges&quot;, Mr. Nirmit Parikh</td>
<td>Entire IT, NU</td>
</tr>
<tr>
<td>IT</td>
<td>Expert Lecture</td>
<td>11/03/2014</td>
<td>Discussion about Industry Trends and what does an employer look at while recruiting</td>
<td>B Tech VI sem (IT) and M.Tech (NT)</td>
</tr>
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<td></td>
<td>Expert Lecture</td>
<td>28/03/2014</td>
<td>Alumni has delivered a talk on Career Guidance</td>
<td>B Tech VI sem (IT)</td>
</tr>
<tr>
<td></td>
<td>Expert Lecture</td>
<td>19/7/2014</td>
<td>Interaction with seniors on placements</td>
<td>B.Tech VII sem IT and CE</td>
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<td></td>
<td>Expert Lecture</td>
<td>11/03/2014</td>
<td>Discussion about Industry Trends and what does an employer look at while recruiting</td>
<td>B Tech VI sem (CE) and MTech (CSE &amp; INS)</td>
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<td></td>
<td>Expert Lecture</td>
<td>28/03/2014</td>
<td>Alumni has delivered a talk on Career Guidance</td>
<td>B Tech VI sem (CE)</td>
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<tr>
<td></td>
<td>Expert Lecture</td>
<td>03/09/2014</td>
<td>Expert talk on Building your career by Gautaum Mattey</td>
<td>Students of V sem CE and IT</td>
</tr>
<tr>
<td>CE</td>
<td>Seminar</td>
<td>10/07/2014</td>
<td>Seminar on “Inculcating Entrepreneurship and exploring Innovative Career Possibilities” by Hardik Pandya and Aditya Patadia</td>
<td>Students of various branches of Institute of technology</td>
</tr>
<tr>
<td></td>
<td>Expert Lecture</td>
<td>6/2/2014</td>
<td>High speed board design&quot;, Mr. Siddharth Trivedi, Teq Diligant Tehcnologies</td>
<td>B Tech. Sem. VI, M Tech (VLSI and Embedded) Sem. II</td>
</tr>
<tr>
<td></td>
<td>Interactive</td>
<td>02-07-2014</td>
<td>Discussion on preparation for GATE by Nandish Thaker, JRF at ISRO RESPOND Project and selected for M.Tech. Microelectronics at IIT, Bombat</td>
<td>B. Tech. EC Sem. VI Students</td>
</tr>
<tr>
<td></td>
<td>Session</td>
<td></td>
<td>Expert Lecture on &quot;Market Reedsiness for Embedded Domain&quot; by Shri. Rohit Shivakumar, Sr. Engineer, Teq Diligent.</td>
<td>B. Tech. (EC), Sem. VII,</td>
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<tr>
<td>Date</td>
<td>Event</td>
<td>Details</td>
<td>Area</td>
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<tr>
<td>Expert Lecture 20.08.2014</td>
<td>Expert Lecture on &quot;VLSI Design Flow with emphasis on ASIC Design and Verification (Front-end Flow of VLSI)&quot; by Mr. Krunal Kapadia, Sr. Engineer, SiBridge, Ahmedabad</td>
<td>B. Tech. (EC), Sem. VII,</td>
<td>EE</td>
<td></td>
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<tr>
<td>Expert Talk 31/01/2014</td>
<td>&quot;Requisite Managerial Skills for Engineers in Corporate Sector&quot; by Mr. Jalaj Desai</td>
<td>B. Tech. Sem-VII</td>
<td>EE</td>
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<tr>
<td>Expert Talk 06/01/2014</td>
<td>Career Prospectus in Germany by Alok Bhatt</td>
<td>B. Tech. Sem-VIII</td>
<td>EE</td>
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<tr>
<td>Expert Lecture in STTP 07-07-2014</td>
<td>A Future Leap Forward in Electrical Machines</td>
<td>STTP Participants</td>
<td>EE</td>
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<tr>
<td>Expert Talk 19/9/2014</td>
<td>Energy and Human Being</td>
<td>B Tech Sem VII students</td>
<td>EE</td>
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<tr>
<td>Interactive Session 11-11-2014</td>
<td>Alumni Interaction with B Tech students</td>
<td>B Tech Sem VII students</td>
<td>EE</td>
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<tr>
<td>M Tech Project July 2013 to April 2014</td>
<td>Few M Tech students have done their M Tech Projects in various industries of alumni members viz. Dr Dinesh &amp; Ramesh Pvt Ltd, AB hydromatics pvt Ltd., Scindlers India Pvt Ltd.</td>
<td>M Tech Sem III and IV</td>
<td>EE</td>
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<tr>
<td>Alumni Expert lecture 11-04-2014</td>
<td>Mr. Vivek Thakkar, Schneider-electric, Vadodara delivered expert lecture on &quot;Overview of Switchgear &amp; Design Methodology&quot;</td>
<td>B Tech Sem VIII students</td>
<td>EE</td>
<td></td>
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<tr>
<td>Alumni Expert lecture 11-04-2014</td>
<td>Mr. Prahar Anjariya delivered a lecture on &quot;Entrepreneurship Skills in Engineers&quot;</td>
<td>B Tech Sem VIII students</td>
<td>EE</td>
<td></td>
</tr>
<tr>
<td>Reviewer for best B.Tech project April 2014</td>
<td>Mr Nitin Goriya has invited as an reviewer for judging the bets B.Tech project.</td>
<td>B Tech Sem VII</td>
<td>EE</td>
<td></td>
</tr>
<tr>
<td>Invite as an Expert May 2014</td>
<td>Mr Nitin Goriya has invited as an expert for reviewing B. Tech final year projects.</td>
<td>B Tech Sem VII</td>
<td>EE</td>
<td></td>
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<tr>
<td>Industrial training June 2014</td>
<td>B.Tech students have got the Industrial training in various industries of our alumni members.</td>
<td>B Tech Sem VII</td>
<td>EE</td>
<td></td>
</tr>
<tr>
<td>M Tech project July 14 to April 15</td>
<td>1 student from M Tech (Design) is doing project at Schneider Electric, Vadodara</td>
<td>M Tech Sem II (Dgn)</td>
<td>EE</td>
<td></td>
</tr>
<tr>
<td>NITAA Felicitation Award to Distinguished Alumni 01-10-2014</td>
<td>An Alumni Ms Manisha Banker, Senior Scientist, National Aerospace Laboratories was felicitated by Distinguished Alumni Award (in absentia)</td>
<td>-</td>
<td>EE</td>
<td></td>
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<tr>
<td>Invited for Convocation 18/10/14</td>
<td>3 Alumni visited during convocation</td>
<td>-</td>
<td>ME</td>
<td></td>
</tr>
<tr>
<td>Alumni Interaction 08-11-2014</td>
<td>Mr Kaushaik Savaliya provided Guidance for M Tech project to M Tech (Thermal) student</td>
<td>M Tech Sem III (Thermal)</td>
<td>ME</td>
<td></td>
</tr>
<tr>
<td>Alumni Expert Lecture 03/11/2014</td>
<td>Mr Piyush Bhan gave and Expert Talk on the topic &quot;Industry Trends and what does an employer look at while recruiting&quot;</td>
<td>MCA Sem IV</td>
<td>MCA</td>
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<tr>
<td>NITAA Felicitation Award to Distinguished Alumni 01-10-2014</td>
<td>Mr Pratik Patel, MCA Alumni and an Entrepreneur was awarded by NITAA on Foundation Day.</td>
<td>-</td>
<td>MCA</td>
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<tr>
<td>Date</td>
<td>Event Type</td>
<td>Speaker Details</td>
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<tr>
<td>25/09/14</td>
<td>Alumni Expert Lecture</td>
<td>Mr. Piyush Kaklotar, MCA Alumni, gave and expert talk on the topic &quot;Introduction to Objective C&quot;.</td>
<td>MCA Sem III and V students</td>
<td></td>
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<tr>
<td>09-03-2014</td>
<td>Alumni Expert Lecture</td>
<td>Mr. Pratik Patel, MCA Alumni, gave and expert talk on the topic &quot;Requirement of Mobile Technology in Current IT Industry&quot;</td>
<td>MCA Sem V students</td>
<td></td>
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<tr>
<td>04-01-2014</td>
<td>Alumni Expert Lecture</td>
<td>Mr. Pratik Patel, MCA Alumni, gave and expert talk on the topic &quot;Industry Trends, Career Guidance and Entrepreneurship&quot;</td>
<td>MCA Sem IV students</td>
<td></td>
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<tr>
<td>24/01/14</td>
<td>Alumni Expert Lecture</td>
<td>Mr. Akhilesh Shah, Senior Safety Engineer in Gas and Oil Sector delivered an expert talk on Safety in Chemical Engineering</td>
<td>M. Tech- II Sem (EPD and CPPD)</td>
<td></td>
</tr>
<tr>
<td>29/01/14</td>
<td>Alumni Expert Lecture</td>
<td>Mr. Aryan Karmakar, Research Associate at TERI Bangalore, delivered a talk on Case Studies in design of ETP</td>
<td>M. Tech Students</td>
<td></td>
</tr>
<tr>
<td>21/03/14</td>
<td>Alumni Interaction</td>
<td>Mr. Karan Shah (M.S) &amp; Mr. Parthiv Shah (MBA, IIT Bombay), Alumni students share their experience, career guidance and motivate the students.</td>
<td>B. Tech VI semester</td>
<td></td>
</tr>
<tr>
<td>26/03/14</td>
<td>Alumni Interaction</td>
<td>Mr. Nrup Patel, Mr. Anup Dalmia, Mr. Nirav Gabani, working as GET in Linde Engineering Pvt. Ltd, shared their experience and motivate the students for placements and they share their work experience China also.</td>
<td>B. Tech IV semester</td>
<td></td>
</tr>
<tr>
<td>25-7-14</td>
<td>Alumni Expert Lecture</td>
<td>Mr. Y.V.N.S. Suvikram, Plant Engineer at Gujarat State Fertilizers and Chemicals Ltd., shared importance and applications of chemical engineering subjects in industry</td>
<td>B. Tech- V semester</td>
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<tr>
<td>25-7-14</td>
<td>Alumni Expert Lecture</td>
<td>Mr. Y.V.N.S. Suvikram, Plant Engineer at Gujarat State Fertilizers and Chemicals Ltd., delivered talk on &quot;job placements, career options&quot;</td>
<td>B. Tech- VII semester</td>
<td></td>
</tr>
<tr>
<td>25-9-14</td>
<td>Alumni Interaction</td>
<td>Mr. Chintan Bhomia, working at Reliance Industries, Jamnagar, shared his experience in Reliance and discuss the real scenario in a chemical plant</td>
<td>B. Tech- V semester</td>
<td></td>
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<tr>
<td>09-04-2014</td>
<td>Alumni Expert Lecture</td>
<td>Mr. Harish Jakhmola, Project manager, Jmc project, Ahmedabad</td>
<td>B. Tech, sem-7</td>
<td></td>
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</tbody>
</table>

“Climbing to the top demands strength, whether it is to the top of Mount Everest or to the top of your career.”
## DETAILS OF STUDENTS GETTING NITAA SCHOLARSHIP

### B.Tech 1st Year

<table>
<thead>
<tr>
<th>Sr No.</th>
<th>Roll No.</th>
<th>Name of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>14BEE057</td>
<td>Kanapura Ankur Jentibhai</td>
</tr>
<tr>
<td>2</td>
<td>14BEE076</td>
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### B.Tech 2nd Year

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### B.Tech 3rd Year

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### B.Tech 4th Year

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<td>2</td>
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“Work hard. And have patience. Because no matter who you are, you're going to get hurt in your career and you have to be patient to get through the injuries.”
Alumni Articles

The Start - Like Every Other Start!

Our story begins on a bright morning on November 5, 2013 and it was 8:10 AM (if I recall correctly). I called Sohil just to inquire about some of the hacks/projects he had been working on. Who is Sohil? I met him during our undergraduate studies at Nirma University. We had a lot of common friends and used to hangout in the same group. Thats how I got to know him. Eventually, I ended up working with him on a couple of projects and events. At that time we shared a lot of mutual interest and hobbies such as robotics, computer vision, HCI(Human Computer Interaction) etc. We would daily discuss new technologies/ideas, take part in robotic competitions, hack stuff etc. - soon Sohil became my best friend. One incident that comes to mind when I speak about Sohil occurred during my 7th semester. I got a nasty viral infection and high fever. I was staying at my grandfather’s place and my health was getting worse (no I was not dying)! I ended up calling Sohil and he took me to a hospital. A dozen syringes later, the doc advised me to stay the night at the hospital. I was in deep shit! I was having a practical examination (viva) the next day and I had not prepared for it (If you fail in viva, you have to basically repeat an entire year of college). Sohil sat beside my bed the whole night and we chatted and laughed. I insisted that he go home and prepare for the exam but he refused. In the end both of us managed passing the exam. At that moment, I realized that if I ever do a startup in the future, it would be with Sohil. Many startups end up failing because of co-founder disputes, hence it is very crucial to find the right co-founder(s). It could be your best friend, someone you have worked with for a long time and now there are even co-founder dating websites/meetups. Some of the qualities I still admire in Sohil to this date are: practical, realistic and will say shit right in my face without ‘sugar-coating’ it! A hardcore hacker with unbelievably high IQ, Sohil’s passion to learn and seek knowledge has never died.

Sohil ended up working at a startup and I moved to US to work for a big company. Yet, even after college got over, me and Sohil would often work on projects, discuss ideas and having worked at startups, we were both inclined to start one, sometime in the future. This continued on and after sometime Sohil quit his day time job to pursue his spare time projects and hacks.

One important thing that I have learnt so far from reading, attending Startup School 2013 and talking to people is that “Don’t start a startup”! You are probably gonna curse me now or think that I am smoking weed! Well, there is quite a bit of depth in this sentence and one needs to read it probably a couple of times to understand its true meaning. What it actually means is that don’t just start a company/startup just for the sake of it or just so that you can call yourself the CEO! Try to solve genuine, real world problems and before you know it, you will be running a startup.

Our story goes on. Wait, I did not introduce myself only. I am Jayneil - hardcore arsenal fan, trance lover and advocate of FOSS (Free Open Source Software). I just love technology in general and documentation is my day time job. More about me later on. While meeting/networking new people in Ahmedabad, Sohil bumped into Kishan - a 20ish dude who is a kickass web developer! Later that day, Sohil told me about Kishan and told me to talk to him. One thing I should note is that most of the people we knew during that time in Ahmedabad were not ‘startup’ minded people or were just traditional in sense. Work for a big company and have the robotic routine of: Work-Home-Sleep. (Read as “Where the f**k is the adrenaline, excitement?) So, it was like winning a lottery when you find someone who matches your frequency and shares similar ideas, interests etc. I called Kishan and we talked about some random stuff. I don’t remember what we talked about. Sorry, I am getting old.

So, flashback to the present where our story has just started. Sohil, is explaining to me about Instagram printing. There were quite a few Instagram printing websites at that time in the world but none in India. I mean technically speaking there was one but he was just doing it on a part time basis, was expensive and you had to email him the pics. So, this was a great opportunity. Sohil was already working with Kishan on this idea. Kishan had already designed the front and back end for two major Instagram printing websites! The guy is just badass! So, he wanted to start a similar service in India. He had bumped into Sohil at a local hackathon where both of them teamed up. One thing led to another and Kishan shared this idea with Sohil and things just started falling into place after that. Soon, I was also on board. PRINTAJOR THE NAME OF OUR STARTUP AND ‘YOUR JOY. WE PRINT. YOU SMILE’ IS OUR TAGLINE.

Why were we doing this? Definitely not for the money. But, just to learn and get some experience and solve a problem.
‘Do not wait until the conditions are perfect to begin. Beginning makes the conditions perfect.’ - Alan Cohen

We ended up having late, long google hangouts discussing our strategy, product design etc. More on that soon.
So, that was our start like every other start!

Jayneel Dalal (EC)

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Modern Education: The Advancement of Knowledge & The Dissemination of Truth

Education in its general sense is a form of learning in which the knowledge, skills, and habits of a group of people are transferred from one generation to the next through teaching, training, or research. Education frequently takes place under the guidance of others, but may also be one self because of the depth of dedication. Any experience that has a formative effect on the way one thinks, feels, or acts may be considered educational. Education is commonly divided into stages such as preschool, primary school, secondary school and then college, university or apprenticeship.

Education, like almost every other area of our society, has evolved in leaps and bounds in recent years. Traditional teaching techniques, based mainly on a teacher explaining a topic and students taking notes, may still be useful on occasion, but education today revolves more around encouraging the student to awaken their curiosity and desire to learn.

The defect of the present-day education is that it has no definite goal to pursue. A sculptor has a clear idea about what he wants to shape out of the marble block; similarly, a painter knows what he is going to paint. But a teacher, he says, has no clear idea about the goal of his teaching.

The essence of man lies in his soul, which he possesses in addition to his body and mind. In true with this philosophy, education is 'the manifestation of the perfection already in man.' The aim of education is to manifest in our lives the perfection, which is the very nature of our inner self. This perfection is the realization of the infinite power which resides in everything and every-where-existence, consciousness and bliss. After understanding the essential nature of this perfection, one should identify it with our inner self.

For achieving this, one will have to eliminate one’s ego, ignorance and all other false identification, which stand in the way. Meditation, fortified by moral purity and passion for truth, helps man to leave behind the body, the senses, the ego and all other non-self elements, which are perishable. One thus realizes his immortal divine self, which is of the nature of infinite existence, infinite knowledge and infinite bliss.

As academic standards shift, technology evolves and student habits change, educational institutes are being forced to consider new ways of framing curriculum and engaging students in the classroom.

There is famous story in which a person is worried because of illness of his dog. He goes to a doctor; the doctor prescribes the medication in form of some syrup. He purchases bottle of syrup and tried different ways to give to his dog, i.e. using spoon, dropper and tube but in none of the way he get success to give medicine to dog. He tries forcefully also, but meanwhile bottle get slipped from his hand and get broken up. Eventually, dog sips syrup on its own. Then the person realizes that it is not like that the dog does not want to have syrup, but the technique he presumed were not appropriate at all.

This happens many times in today's paradigm-shift scenario of education. And hence it is of utmost importance to re-think in the direction of finding new technique which can be compatible to the need of today as well as of future for sustainable and all around development along with character building. In order to achieve so one can decide four goals of education as follows:

1. Authentic self-knowledge
2. Diverse local and global interdependence
3. Adaptive critical thinking
4. New media literacies

Although one of the oldest and most effective audio-visual teaching combinations involves a good teacher and a black-board, of the two components, teacher is irreplaceable, but persistence of blackboard is a tribute to its grate utility as a teaching aid. When we speak of new teaching methods and techniques, rest assured that the teacher should remain in center. The new teaching aid should help-not replace the teacher.
A number of different teaching techniques have emerged due to this change in education. Many of these teaching techniques are not actually new however! The use of technology in the classroom has simply given education a new lease of life allowing us to approach old ideas in new way.

Outlined below are some popular teaching techniques that have arisen from the integration of technology in education.

1. **Flipped Classroom (Inverting your class)**
The Flipped Classroom Model basically involves encouraging students to prepare for the lesson before class. Thus, the class becomes a dynamic environment in which students elaborate on what they have already studied. Students prepare a topic at home so that the class the next day can be devoted to answering any questions they have about the topic. This allows students to go beyond their normal boundaries and explore their natural curiosity.

Exam time free online tools can be integrated into the Flipped Classroom teaching model. Using Exam Time, you can easily share resources with a group, in this case a class, allowing students to study these resources from home and prepare for the next class.

2. **Design Thinking (Case Method)**
This technique is based on resolving real-life cases through group analysis, brainstorming, innovation and creative ideas. Although “Design Thinking” is a structured method, in practice it can be quite messy as some cases may have no possible solution.

However, the Case Method prepares students for the real world and arouses their curiosity, analytical skills and creativity. This technique is often used in popular post graduation classes to analyze real cases experienced by industries and/or companies in the past.

Ewan McIntosh, an advocate of Design Thinking, created The Design Thinking School as part of his “No Tosh” consulting group. No Tosh harnesses the creative practices of some of the best media and tech companies in the world to coach educators methods to implement the concept. Design Thinking for Educators also provides teachers with an online toolkit with instructions to explore Design Thinking in any classroom.

3. **Self-learning**
Curiosity is the main driver of learning. As a basic principle of learning, it makes little sense to force students to memorize large reams of text that they will either begrudgingly recall or instantly forget. The key is to let students focus on exploring an area which interests them and learn about it for themselves.

A perfect example of a teaching technique based on self-learning is outlined by Sugata Mitra at the TED conference. In a series of experiments in New Delhi, South Africa and Italy, the educational researcher Sugata Mitra gave children self-supervised access to the web. The results obtained could revolutionize how we think about teaching. The children, who until then did not even know what the internet was, were capable of training themselves in multiple subjects with unexpected ease.

A common technique for exploring self-learning is the use of Mind Maps. Teachers can create a central node on a Mind Map and allow students the freedom to expand and develop ideas. For example, if the focus is the Human Body, some students may create Mind Maps on the organs, Bones or Diseases that affect the human body. Later the students would be evaluated according to the Mind Maps they have created and could collaborate with each other to improve each other’s Mind Maps and come to a more comprehensive understanding of the Human Body.

4. **Gamification**
Learning through the use of games is a method that has already been explored by some teachers, especially in elementary and preschool education. By using games, students learn without even realizing. Therefore, learning through play or ‘Gamification’ is a learning technique that can be very effective at any age. It is also a very useful technique to keep students motivated.

The teacher should design projects that are appropriate for their students, taking into account their age and knowledge, while making them attractive enough to provide extra motivation. One idea may be to encourage students to create quizzes online on a certain topic. Students can challenge their peers to test themselves and see who gets a higher score. In this way, students can enjoy the competition with peers while also having fun and learning.

5. **Social Media**
A variant of the previous section is to utilize social media in the classroom. Students today are always connected to their social network and so will need little motivation to get them engaged with social media in the classroom. The ways you can use this method of teaching are quite varied as there are hundreds of social networks and possibilities.

A good example is the initiative carried out by the Brazilian Academy of Languages "Red Balloon", which encouraged students to review the tweets of their favorite artists and correct grammatical errors that they committed in an effort to improve their English language skills!

6. Free Online Learning Tools
There is an array of free online learning tools and mooc courses available which teachers can use to encourage engagement, participation and a sense of fun into the classroom. Teachers can create an interactive and dynamic classroom environment using, for example, online quizzes to test student's knowledge. Encourage your students to share study resources directly with each student online and even apply the Flipped Classroom Model to your method of teaching.

Thus, the efforts should be such that the education is the transformation of person through advance technique supported by moral and spiritual ethics that one finds the solution for all social evils. Founding education on the firm ground of our own philosophy and culture, value based education integrated with technological advancement be the best of remedies for today's social and global illness. Through this scheme of education, there is a effort to materialize the moral and spiritual welfare and upliftment of humanity, irrespective of caste, creed, nationality or time. The scheme of education should build up a strong nation that will lead the world towards peace and harmony.

In nut shell, Education means that process by which character is formed, strength of mind is increased, and intellect is sharpened, as a result of which one can stand on one's own feet. And hence it is high time that we give serious thought to new philosophy of education and remembers Swami Vivekananda's call to everybody-'Arise, awake, and stop not till the goal is reached.'

My Takeaways as a Nirmalite

I came across one of my seniors from Nirma a few days back. I met her after about 5 years. Almost immediately I slipped into the past and countless fond memories of classmates, friends and professors flooded my mind.

Whenever I look back at those times, two things stand out. Two important lessons, among many others I learned during engineering, which have helped me.

The first is that one should never feel shy of interacting with colleagues and seniors. I stayed as a paying guest with 20 other girls from Nirma; they were my batch mates, seniors and juniors. Right from the first semester, I kept company with most of them. We would walk to and from the bus stop together, have dinner together, sometimes study together. I would ask my seniors about my courses/subjects and get their inputs. In fact, it was during those initial days that one of them suggested to me the book “Pointers in C” by Yashwant Kanetkar. I read it in the first year and it gave me a solid understanding of data structures during the early semesters. Even today, I often find myself referring it. Later we started discussing about our projects, class presentations, job search and higher studies. All this happened almost naturally because being away from home, they were my only sources of guidance outside class. Other than the fun part of being with peers, this kind of interaction has given me the confidence to voice my concerns, ask questions and share ideas. I have benefited from it during my Masters too.

The second lesson was to engage in activities going on in campus and outside. These give a chance to hone the skills which are usually not utilized in academics. Personally, I always prioritized studies over everything else, which I don’t regret, but for that reason, I was unable to do complete justice to extra-curricular activities. However, I am not fully disappointed as I was a part of a few programming contests, paper presentations, robotics events, some nontechnical events both in and outside Nirma, and even aced a couple of them. They have definitely added to my overall engineering know-how and made those 4 years rich with varied experiences. Even today, it feels great to see a number of such activities being held in Nirma and I am hopeful that they will continue.

Becoming a Young Professional

While you may think you’re prepared enough for the transition from college to the life of a young professional, there are some things which describes
how new demands on your time could change your view of the “real world”

Not only will you have to adapt at work, but you will also have to adapt to your new life outside of work.

There are numerous articles which describes on do's and don'ts about your professional life.

But the most important which I feel, which is totally needed, to succeed and be in the good books of your colleagues and your boss is your ATTITUDE at work.

I have being working in major IT Companies since more than 7 years and the quality which draws me different from others is my attitude towards my work.

Your attitude at work plays an important role in your productivity and job performance. A positive attitude is conducive to your occupational success, while a negative attitude is counter-productive.

A positive attitude is an “I can” attitude

Prepare for an entry-level job
Even though I had a college degree, I didn't expect to have the perfect job and bring in a huge paycheck. A large number of the jobs available to new grads are entry-level

These jobs often require long hours, low pay, and hard work. Most employers want to see all employees start at a certain level in order to better understand the business and from my personal experience I must say that it pays you the great in the end.

You are like a diamond being polished gradually so that after few years of initial experience you may shine at your workplace.

It is important that you approach work with a realistic mental image of what your relationship with your work should be.

Accept the fact that certain tasks associated with your job may be less fulfilling than others.

Recognize that a lack of motivation does not mean that you cannot complete your tasks. Rather, it means that you would prefer not to. You must acknowledge that an attitude change is your own responsibility, and something that you must proactively work toward.

Avoid Comparison
Avoid comparing yourself to others who seem to enjoy the parts of their jobs that you don't enjoy, as this will only make you feel insufficient. Remember, it is likely that your coworkers dislike parts of their jobs that you actually enjoy.

If your work is not challenging enough, then you may change attitude by taking on some new tasks.

Never complain...
We should learn not to pity ourselves, and make others responsible for our failures.

Never criticize anyone
Criticism draws you to unnecessary arguments and may even lead to the problems which may hinder your peace of mind.

Try to avoid any criticism, instead try to work on your own on that issue so that other people will learn to work in the same manner as you have done.

Be solution minded and not problem focused
Never leave a problem that is within your scope of responsibility unsolved.

Take Responsibilities
Responsibilities in the work are the first step to the ownership.

You have to be solely responsible for your work, you can't accuse other people for not completing your work on time.

You have to make things happen.

Demonstrate enthusiasm
A candidate who can demonstrate a positive attitude and eagerness to tackle the job will have an advantage over one who displays an attitude viewed by the employer as negative or disinterested.

Never be afraid of failures
Failure creates new choice. The best part of failure is that it takes your journey on path it could never have found without I believe a visionary employer will notice the person who takes a chance at a solution much more favorably than someone who won't.
Abraham Lincoln was defeated in eight different elections. Yet he persisted and succeeded in becoming the 16th, and one of the most respected, presidents of the United States

Resist anger
It's easy to feel resentment. It's natural. You wouldn't be true to yourself if you denied its presence. But don't feed it.

We are not surrounded by likeminded people so there are obvious reasons for us to have a conflict. Once it gets its grapple hooks into your skin, it does not like to let go. You will carry it around and it will infect your every waking moment.

Overcoming adversity

Float above yourself and see the larger view of your journey.

Your experience will influence how you handle every situation and decision from now on.

Most people with a life that appears very positive can give you a list of the negative events that got them there. With maturity comes the patience you need to ride it out. Pretty soon, it will just be something you remember from your past.

With positive attitude, you can turn a bad circumstance into a new opportunity. This gives you a chance to learn from your experience and investigate new ideas on how to make the next project or activity a more beneficial one. Reacting with an attitude that you can learn from the negative rather than give up or get mad will show that you are a team player and someone who can bounce back from stress.

EC alumni
Kanan Vaidya,

What my Alma Mater taught me!

“12th August, 2005”; is the date when I first stepped into the University. From that day till today I remember all that my alma mater taught me. College is not just about learning 6 subjects per semester but learning to manage yourself. Each passing day teaches you a new lesson from completing your assignments in time to scoring in the surprise quiz, from making friends to building relationship. College life is in itself a journey of lifetime and if you haven’t experienced it then you have surely missed something. During my time at ITNU, apart from studying I was into a lot of extra curricular activities. I was the President of Rotaract Club, Member of University Anti Ragging Committee, Chaired student committee for Orientation day, etc. You name a student committee at University level and I was a part of it but I never let my studies suffer. Some join college for studying, getting job, enjoying, etc. but I had joined to pursue something that I loved Computer Engineering and not just study but also meet new people and build relationships.

Our department was very strict in terms of attendance, syllabus, lab work, assignments and I was the one who used to somehow manage to meet the deadlines. I always used to crib about the course content, application of what I learnt, attendance, and moreover the deadlines thinking that all this traditional way of teaching would never help me in future. But now I can surely say that, what ITNU taught me over 4 years is helping me pave my growth ladder. The discipline that college enforces is for our own good as this helps you in your job and I learnt it the hard way. I have gone through 3 different phases in my career till now – Technical, Human Resources and Operations. In each one of these phases the analytical, logical, coding and leadership skills that I learnt at ITNU helped me scale heights. As a student we undermine the impact which our college leaves on us and don’t see the bigger picture. I have worked with Cognizant where I lead the team I joined in just 2.5 years of my joining alongside I was appreciated highly by Sr. Directors and VPs not just for my team work but for the extra work that I used to do for the organization like training Associates, Volunteering for Green Causes & CSR activities. It if was not for my college which equipped me with the necessary skills I wouldn’t have been scaling new heights so quickly.

My suggestion to each of the students would be to learn the basics of your branch thoroughly as this would keep you floating at all times and you can see the competitive advantage that you would hold over others. To my college it would be to support as many student activities as possible as this gives the students freedom to think
think creatively and build their personality as a whole because employers don’t look at just the academics; they are interested in the whole package. I have loved my journey at ITNU and I am a brand ambassador of ITNU wherever I go.

Regards
Piyush Bhan
Operations Manager,
Meditab Software Inc.

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What Really Happened (Or, the Story of all my Wrong Turns)

Siddhartha Roy (06BCH056)
PhD Student – Department of Civil and Environmental Engineering
Virginia Tech

“The truth is, most of us discover where we are headed when we arrive” – Bill Watterson

I wake up to the sunlight streaming through the windows and birds chirping. I can barely contain my excitement as I jump out of bed. No, I am not your typical engineer but I sure am getting a PhD in Environmental Engineering and, boy, am I happy. Sure, I am a poor graduate student but I have found my niche. I know what I want my career to be in.

I don’t, however, claim to know all the answers. If anything, the past few years in my journey are proof that you can’t live without taking (stupid?) risks. Sometimes you succeed. But more often you hit a brick wall (flunking Process Equipment Design-II in my seventh semester, for instance). And that is okay. Eight years ago, I walked the grounds of Nirma for the first time – wide-eyed, nervous, and excited. The real reason I was in Chemical Engineering was, during counselling for undergraduate seats, the guy before me seized the last Nirma Civil Engineering slot. I had convinced myself that Civil Engineering was the way to go because Computer Science – what I originally wanted to do – wasn’t within reach. Why? I had mediocre grades (~85%) by any standards for the ‘General’ category owing to the bizarre reservation system we are subjected to.

But I think I got incredibly lucky getting a spot in Nirma despite signing up for the ‘rat race’ that most undergraduate education essentially is. Nirma was a great place to be with its cosmopolitan atmosphere, umpteen student groups, dedicated classes, outstanding placement records, and a lush green sprawling campus. While I often questioned why I was studying Chemical Engineering (I wasn’t gifted enough to appreciate the field then), it eventually got me passionate about the environment. It gave me the credentials and the tools I could use if I wanted to chart a career in it. Not that I was aware of this at the time. I blindly got into the ‘race’ of adding achievements and activities under my belt so that come final year, we’d have stuff to show during the placement season. It was a mindless pursuit of a wispy ideal: tick all the boxes and so when L&T shows up, they see your mettle because you satisfy everything on their checklist.

To an extent, immersion in competitions and leadership responsibilities in ISTE and ChESA helped satisfy my creative urges and also quelled the feelings of inadequacy I sometimes felt amongst my peers. I found role models in the Department faculty and some warm friends. And so, even when I didn’t quite fit in, it was the basic goodness of these folks that made the journey extraordinary. I lived with obnoxious roommates at one point but I also got to attend Joshipura Sir’s Thermodynamics classes. I struggled with making friends during my initial years but I also found love as I signed off from the University. Thinking back I wish I could ask my younger self to relax.

By my final year, I was convinced that Chemical Engineering wasn’t for me. It really hit me when I was interviewing for Essar Oil and this smug fellow was blandly reading out questions from his laptop. I was looking for other avenues and, at that point, my older ‘dream’ of getting into Computer Science resurfaced. I aced Cognizant’s interview (which is usually at least a 100 students each year if you are studying in Nirma), packed my bags and left Ahmedabad with a few tears, lots of laughter, and some signatures of close friends on an old white T-shirt.

Six months into Cognizant’s intensive technological training and landing a great project for pharma major Merck Europe, I was convinced I had made a mistake (Oh come on! Not again). Talk about your ‘supposed’ dream going down the drain. While the work was challenging (I worked in ‘Business Intelligence’ which is
now increasingly becoming the foundation of 'Big Data' – which is revolutionizing the world), it was essentially a service-based project – sometimes repetitive and not very satisfying – either intellectually or conscience-wise. But this time, I found a close group of friends – almost brothers and we felt the same way about our work life. We sat down together and decided to take all entrance exams possible in the quest of a better career. I gave all the typical MBA exams– CAT, XAT, IRMA, MICA, etc. to keep the Marketing option open (I think I can sell soap) – and the GRE – owing to my interest in the environment. This was because I had a fantastic project on electronic waste with Dr. Ruparel in my final year with third year seminars on climate change specifically air quality in Indian metros and the Kyoto and Montreal protocols.

I aced some of the MBA interviews but then felt there is a lesser chance I could do something 'really' meaningful if I went ahead. When I still had the choice, I wanted a line of work that directly affects people's lives and the environment. This means a greater responsibility and a commitment to excellence but I think when you find what you are looking for, these things come easily. I got accepted to a couple of schools and, ultimately, chose Virginia Tech whose Environmental and Water Resources program is ranked 7th in the United States and recognized internationally – not to mention its cutting edge research focus and some of the best faculty in the world.

It has been two years and a lot has happened in that time: I found the best research group one could hope for, gained a wider appreciation of research and the education system here, converted from a MS to a PhD (Dr. Roy – ha! One day, I guess.), broke up with the girl I feel in love with in Nirma (Long story. She screwed up among other things), am seeing the world, have gone to the top water conferences to talk about my research, and, most importantly, now know what I wish to do for a large chunk of my adult life. I'd call that alone a success.

Everyone's story is different and you'll eventually find what works for you. Just don't accept what you get when you have the option to do better. It is okay to be confused. I spent today with a bunch of high school students talking to them about how drinking water and health are intricately linked. I even recommended Chemical Engineering to a girl who fancied chemistry and wanted to do great things as an engineer. It will be a while before I find out what she ended up doing. As for me, my life has just begun and I am raring to jump into the future.

**Something Appreciable**

These days we know what is going on in our surrounding and we also know what is the solution for that, here we are not talking about one particular direction or one particular topic but we are talking about all the topics on which generally we don't want to discuss. That point may be related to social, harassment, environmental or other issues related to human beings. But if we will behave like this then only we have to suffer from it because after all we are living in one society, what will happen if at least some of us will take initiate?...Nothing but very few people are there to do so because we know the solution and we have it's way also but no one is interested to do so and some of the words are being heard "kya farak padta hai?", "time kisko hai?"...

But have you ever thought, if some day some conditions are against you and you have to take risk, u need support, favor and in front of you some people will say like this than what would you do?...we should all understand that all human beings are God's creation.....we must treat everyone with love, care and respect. If you are putting yourself in that kind of strange condition than you can't even stand properly. And we link this concept with Nirma University, I can say as an alumni member that Nirma University approaches many of issues and organize some of the events also for awareness in people and as a student point of view, these should be necessary because with help of this kind of environment we grow actually. These kind of approaches by Nirma University provides one kind of satisfaction to the human beings because nothing is more important than the life of one small particle and by joining the particles like people the whole world made.

Here after completing successfully our M.tech, we are heartily feeling that we have spent the best two years of our life and we have learnt a lot not only related to study but apart from that we have learnt how one character, thinking and views towards life have made and we are very lucky enough to got a chance in various activity organized by Nirma University. The atmosphere of Nirma Campus has the ability to face various challenges and during walking on the campus we have felt that feelings and I m sure, Nirma University has faith and trust on their students to recognize what they actually want to achieve and that is the best part of point.

We are lucky enough that we got a chance to study in Nirma University under the great atmosphere and
supportable faculties and specially our batch M.tech Pemd (2012-14) want to thank Dr. P N Tekwani for their support and faith on us.

I really want to thank Nirma University for their innovative activity and because of that we are also getting a chance to do something different for our surrounding, our chart table of life to live happy and keep world electrifying.

HARSHIL SHAH  
M.Tech PEMD(2012-14)  
(12MEEP41)

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BE THE BEST YOU CAN!!

It's been 10 eventful years from that first day at Nirma, entailing IF's, HOD visits, a rare 8.7 PPI, a bizarre job interview and an offer from Essar and obviously those cricket matches. Life after Nirma would be so different, never anticipated this. When memories flash by and all you yearn is to go back to that 'A' block, it just seems that Nirma prepared you to be successful in every major endeavor you undertook and subsequently build up on that confidence. That's precisely what happened to me when I decided to move to California and pursue a masters in Chemical Engineering, eventually working in NYC and then heading back to LA.

When I had to make a decision about selecting a major, I had no clue what I wanted to do and one of the available area was Chemical Engineering and I am so happy I chose this field. The reason is due to its versatility, when I started my masters at University of California, Irvine; I was able to do rotations on the biotech side, bio medical and bio pharma side in addition to core chemical areas. It gave me a really broad understanding about how integrated pure science could be with chemical engineering.

Subsequently I was able to get a job in NYC at Mt Sinai Medical Center's Clinical Genomics Core Laboratory (We had worked on some of the sequencing samples on Ebola even before Ebola was this big) which has been the harbinger in multiscale genomics in New York. I worked on all kinds of cutting edge technologies related to sample preparation techniques, sequencing machines and automation. Eventually, I decided to go back to California and here I was managing a small aneuploidy testing laboratory. It is hands down the most stressful job ever, because the hours are totally random (we are talking about working at 3am one day to working at like 2pm the other) and you just cannot afford to have a misdiagnosis or a swap of an embryo as the results will lead to a lawsuit.

I never knew how valuable a degree from Nirma was, it was only when I met people from other states and cities, was I able to realize it. You might have a tendency to take this for granted and you will curse this institute, but in the end if you are willing to put in the hard work you will definitely reap its benefits. It's the best investment you will make, an investment in yourself. Nirma will give you enough opportunities to sharpen your skills, take up paper presentations at conferences or participate in some workshops or do try conducting some research in a field that entices and galvanizes your interests. It's the cumulative effect of all these small timely actions that will evolve your train of thought and your forthcoming decisions on whether to pursue higher studies or do a job.

One of the biggest pitfalls you will encounter probably during the 6th semester is when people will jump on GREs and CATs, I will tell you this thing straight: "Only dead fish go with the flow", you get my drift right? I have seen so many folks just pumping thousands of rupees for CAT and GRE stuff just because they see their colleagues trying to crack it, it's a great thing to have some sort of motivation to score big and have more openings. But what I want you to understand is that you should have done your own research and try to understand what your interests are and then make a decision rather than fall for the hype. I know this because I am a living example (not that coming to the USA was a mistake) but choosing the degree/course was a big one. As I could have pursued a degree much closer to my line of work (like Biomedical or Biochemical).

My experience has been extremely fruitful and wouldn't trade it for anything else. You will constantly be bugged by the simple conundrums in life like what if I did a job and then an MBA or whatever, your ability to understand your interests and taking a pro-active decision about your career is what is going to set you apart. As time progresses, try to learn about yourself and keep investing in bettering yourself because in the end it is you who is going to make it big or be an average Joe. Don't worry, I am still trying to figure out myself but I
am doing a pretty good job at envisioning what my goals are and what needs to be done to achieve them.

On a parting note, be a free spirit and live it up as these days will be the best days. Learn as much as you can and don’t worry you will all be fine. Hey look at me, I made it pretty far (one of my teacher in school explicitly said to me in the 7th grade that I will never be an engineer, yeaaa well the joke is on him now). I have some pretty interesting business ideas that I will be working on in India and USA for a few months before deciding to make a big jump and go all in.

I wish all of you the very best and feel free to add me on LinkedIn or shoot me a casual email, I will try to respond as much as I can and would definitely love to help you with anything possible.

Sincerely,
Vyom S. Mehta.
Vyom_mehta@hotmail.com
04BCH022

SMAC Architecture for Business Scenario
(Sapan H Mankad, CSE Department)

I attended one faculty development programme at Cognizant Ltd, Pune in 2012. The focus of the programme was oriented towards the SMAC (Social Media, Mobility, Analytics and Cloud) Business Scenario. This is an emerging area in which all companies are looking forward for great success. It will surely help young graduates to build their career too. I have made attempt to describe all these buzzwords in this article.

Social Media

Rather than connecting with family members and friends physically, current generation is more inclined towards making friends and chatting on Social Media. They may not have met even once with each other in person but can discuss on any issue for long time. Social Media, not only for young generation for sharing their thoughts and chatting; but also for business organizations to make profit can be widely used. Let us see how.

If you are a global retail store and you want to open your branch in a new country such as Afghanistan where you are not sure whether it will work or no, you can start collecting required details through social media about likings of the public located near your target area, track effectiveness of your intended business there and also get historical data related to your analysis. This is just a single example, but businesses widely use Social Media for all type of analysis. We all know Amazon, Flipkart and all similar e-retailers who have jumped into this business…!

Not only for Marketing, but for researchers and educators also, Social Media is gaining importance to connect with researchers working in similar domain of interest. LinkedIn and ResearchGate are some of the famous examples.

Social Listening tools are available which can make it possible to extract useful information from conversations happening on Social Media. Social Mention, Monitter are some of them. Following links provide list of some social monitoring tools.

Mobility

Most of us own smart phones nowadays which enable us to acquire any information accessible 24×7. From travel bookings to purchase and financial transactions can be done instantly using smart phone, no matter wherever we are. Quick access reduces time and provides enormous functionalities. Developer community have also evolved from desktop apps to web based apps and now towards Android apps and mobile based apps.

Analytics

Analytics is a key factor to any business development. They need to go for analysis of existing data in same domain and interpret those using data analysis methods. Several statistical tools are available which can be used for appropriate analysis.

For example, from analysis of historical records, Indian Railways can deduce that on a certain route there is heavy rush of passengers and thus they can act
accordingly either increasing coaches or starting new trains on that route.

**Cloud**
Everything you create now need not be stored on your local machine. You must be using Google Drive or Sky drive. Such drive stores your data on Cloud, which is a global storage on Internet. It conserves your storage and makes it accessible to others if you want to share. The benefit is that you can open your file from anywhere, edit it online and save it back to the Cloud. Cloud Architecture, is again, a very promising area for research.

In a nutshell, all these terminologies are closely related with one another and are extensively used in Market. Passing graduates have a lot of scope in this direction. Hence I urge all interested to explore these areas and contribute in respective domain.

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**NITAA ALUMNI AWARD FELICITATION**

From this year we have started *Alumni Awards* to selected NITAA Alumni for their contribution to National Development/ALMA matter. The award was conferred on foundation day celebration of IT-NU.

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<th>No.</th>
<th>Name</th>
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<tbody>
<tr>
<td>1.</td>
<td>Rachit Oza</td>
<td>Chemical Engineering</td>
<td>Process Er and Researcher</td>
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<td>2.</td>
<td>Pratik Patel</td>
<td>Masters of Comp. Appl.</td>
<td>Director, IT Company in Ahmedabad</td>
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<td>3.</td>
<td>Harish Jakhmola</td>
<td>Civil Engineering</td>
<td>Project Manager</td>
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<td>4.</td>
<td>Nikhar Shah</td>
<td>Computer Engineering</td>
<td>Ernst &amp; Young, US</td>
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<td>5.</td>
<td>Karan Kurani</td>
<td>Information &amp; Technology</td>
<td>CEO of Start-up Doctorc, Hyderabad</td>
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<td>6.</td>
<td>Dr Ameesh Pandya</td>
<td>Electronics &amp; Communication</td>
<td>Consultant in US</td>
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<td>7.</td>
<td>Manisha Banker</td>
<td>Mechanical Engineering</td>
<td>CSIR, NAL, Best Women Scientist 2012-13</td>
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ALUMNI INTERACTIONS

Computer Science & Engineering

Alumni talk on “Building your career” by Mr. Gautam Mahte (Operations Manager, Amazon Corporate LLC, USA) was organized on 2nd September, 2014 for 5th semester B.Tech. CE/IT students.

An encouraging and informative talk on “Correct Preparation for Placement” was delivered by Mr. Aarsh Shah, Technology Analyst at Morgan Stanley. The interactive session was organized on 19th July, 2014 for 7th Semester B.Tech. CE/IT students.

Ms. Rajal Shah

The expert lecture on topics
1. Analog to Digital Converter techniques for B.Tech. for sem. VII (IC) and
2. Advances in ADC techniques and Research Avenues for IC engineers for M.Tech. Sem I (IC) was organized on 22nd August, 2014. The talks were conducted by Dr. Hitesh Shrimali (Ph.D. IIT Delhi, Post Doc. University of Milano, Italy Recently appointed as Faculty at IIT, Mandi).

Mechanical Engineering

For reviewing the Industrial training in 7th semester students the department invited Mr. Nitin Goriya as an Expert on 21st August, 2014. He has reviewed and also given their valuable suggestions to 7th semester students.

Chemical Engineering

The expert lecture on “Career options of after graduation, job placements”. by Mr. Suvikram Yayavaram (Plant Engineer at Gujarat State Fertilizers and Chemicals Ltd.). The alumni member recapitulated his entire journey in Nirma University and how he managed to strike balance between curricular and extra activities. The next part of the session had its focus on the “importance of co-curricular and extra-curricular activities.” He also mentioned all the desired qualities required in any professional.

Electrical & Electronics Engineering

Alumni Expert Lecture by an alumni entrepreneur Mr Pratik Patel on "Requirement of Mobile Technology in Current IT Industry" was organized for MCA Sem V students 3rd September, 2014.

Aarsh Shah

An expert lecture on topic “A Future Leap Forward in Electric Machines” by Mrs. Rajal Patel, Director, ALTENMO Technologies Pvt. Ltd on 7th July, 2014 as a part of ISTE approved STTP on "Trends and Innovations in Electrical Power Engineering". The talk was focused on the recent technological advancements in the electrical machines, more precisely permanent magnet based electrical machines. The talk also covered various new topologies of electrical machines and their control schemes.

Suvikram Yayavaram
An alumni interaction was organized towards the end of September for the students in 5th semester of B.Tech Chemical Engineering. Chintan Bhomia, a 2013 passout came as an alumnus to interact with the students and make them aware of the nuances of working in a chemical industry.

Chintan Bhomia is presently working at Reliance Industries Limited, Jamnagar and has an experience of 1 year and 4 months. The cherry on the cake is that recently,

Chintan has been awarded the All round Performer Graduate Engineering Trainee (GET) among all the graduates of various disciplines who joined J3-LDPE plant of RIL, Jamnagar in 2013.
Convocation | (October-2014)

M.Tech Civil Engg., Chemical Engg., IT

Convocation | (October-2014)

M.Tech Mechanical Engg.

M.Tech Comp. Science Engg., ICT, MCA
Convocation | (October-2014)

B.Tech Civil Engg., Chemical Engg.

Convocation | (October-2014)

B.Tech EC Engg.

B.Tech Mechanical Engg., IT Engg.
Convocation | (October-2014)

B.Tech Computer Engg.
Get together | (3rd January, 2015)