

# **Induction Program of 1<sup>st</sup> Year B.Tech. (All Branches): 2017-18**

## **CTAE, MPUAT, Udaipur**

### **1. Introduction**

The Engineering Institutions are established to work on cutting edge technology and the frontiers of knowledge. They are expected to generate graduates with these capabilities, as well as produce new technologies, products and processes needed by the nation.

The graduating student must have knowledge and skills in the area of his study. However, he must also have broad understanding of society and relationships. Character needs to be nurtured as an essential quality by which he will understand and fulfill his responsibility as an engineer, a citizen and a human being. Besides the above, several meta-skills and underlying values are needed. There is a mad rush for the Engineering Institution today, without the student determining for himself his interests and his goals, which is a major factor in the current state of de-motivation towards studies that exists among UG students.

The success of gaining admission into the good engineering college, but failure in getting the desired branch, with peer pressure generating its own problems, leads to a peer environment that is de-motivating and corrosive. Start of hostel life without close parental supervision at the same time, further worsens it with also a poor daily routine. To come out of this situation, a multi-pronged approach is needed. One will have to work closely with the newly joined students in making them feel comfortable, allow them to explore their academic interests and activities, reduce competition and make them work for, excellence, promote bonding within them, build relations between teachers and students, give a broader view of life, and build character.

### **2. Induction Program**

When new students enter an institution, they come with diverse thoughts, backgrounds and preparations. It is important to help them adjust to the new environment and inculcate in them the ethos of the institution with a sense of larger purpose. A one to three-week induction program for the UG students entering the institution, right at the start need to be introduced. Normal classes start only after the induction program is over. Its purpose is to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self, people around them, society at large, and nature.

The time during the Induction Program is also used to rectify some critical lacunas, for example, English background, for those students who have deficiency in it. The following are the activities under the induction program in which the student would be fully engaged throughout the day for the entire duration of the program.

#### **2.1 Physical Activity**

This would involve a daily routine of physical activity with games and sports. It would start with all students coming to the field at 7:00 am for light physical exercise or yoga. There would also be games in the evening. These would help develop team

work. Each student should pick one game and learn it. There could also be gardening or other suitably designed activity where labour yields fruits from nature.

## **2.2 Creative Arts**

Every student would chose one skill related to the arts whether visual arts or performing arts. Examples are painting, sculpture, pottery, music, dance etc. The student would pursue it every day for the duration of the program. These would allow for creative expression. It would develop a sense of aesthetics and also enhance creativity which would, hopefully, flow into engineering design later.

## **2.3 Universal Human Values**

It gets the student to explore oneself and allows one to experience the joy of learning, stand up to peer pressure, take decisions with courage, be aware of relationships with colleagues and supporting staff in the hostel and department, be sensitive to others, etc. Need for character building has been underlined earlier. A module in Universal Human Values provides the base.

## **2.4 Literary**

Literary activity would encompass reading, writing and possibly, debating, enacting a play etc.

## **2.5 Proficiency Modules**

This period can be used to overcome some critical lacunas that students might have, for example, English. These run like crash courses, so when the normal courses start after the induction program, the student has overcome the lacunas substantially. We hope that problems arising due to lack of English skills, wherein students start lagging behind or failing in several subjects, for no fault of theirs, would, hopefully, become a thing of the past.

## **2.6 Lectures by Eminent People**

This period can be utilized for lectures by eminent people. It would give the students exposure to people who are socially active or are in public life.

## **2.7 Visits to Local Area**

A couple of visits to the landmarks of the city, or a hospital or orphanage could be organized. This would familiarize them with the area as well as expose them to the underprivileged.

## **2.8 Familiarization to Dept./Branch & Innovations**

The students are told about different method of study compared to coaching. They are told about what getting into a branch or department means, what role it plays in society. They are also shown the laboratories, workshops & other facilities in their department. This year the induction program is implemented with one week duration, therefore, proficiency module, creative arts & literary activities are not taken up. The other activities are also squeezed to fit into this shorter version of induction program.

### 3. Program Schedule

The activities during the Induction Program will be as per following schedule:

**Venues:** (1) Yoga classes: (i) Boys- AN Khosla Hostel and

(ii) Girls- CTAE Girls Hostel

(2) Lecture Classes: AVP Hall, CTAE, Udaipur

#### Day – 1: January 1, 2018

Time	Activity	Remarks
10:00 am – 01:00 pm	Registration	Student section
01:00 pm – 02:30 pm	Lunch	Respective Hostels / Home
02:30 pm – 03:30 pm	Inaugural Session	AVP Hall, CTAE, Udaipur
03:30 pm – 03:45 pm	Overview to Induction Program	Dr. M Kothari and Dr. SR Bhakar
03:45 pm – 05:15 pm	Peer pressure and goal setting	Dr. MS Acharya, Retired Prof. & Chairman, BOG, Govt. Engg. College Jahalawar

#### Day – 2: January 2, 2018

Time	Activity	Remarks
07:00 am – 08:00 am	Yoga	Ms Subha Surana and Er. Ranveer Singh Sekhawat, Yoga Instructors
08:00 am – 09:30 am	Bath and Break Fast	Respective Hostels / Home
09:30 am – 11:00 am	Environment surrounding and you	Dr. BR Panwar, Rajasthan Pollution Control Board, Udaipur
11:00 am – 12:30 pm	Social engineering in the regime of Maharana Pratap	Er. GS Taunk, Former Chairman, RPSC and President Pratap Gaurav Kendra, Udaipur
12:30 pm – 02:30 pm	Lunch	Respective Hostels / Home
02:30 pm – 07:30 pm	<b>Section-A:</b> Visit to Pratap Gaurav Kendra, Udaipur	Dr. AK Chhitora Dr. RS Shekhawat Dr. Nikita Vadhawan
	<b>Section-B:</b> Know your City	Dr. NL Panwar Dr. Deepak Rajpurohit Dr. Rachana Mehta, ECE
	<b>Section-C:</b> Clean your surroundings	Dr. JK Meharchandani Dr. Chitranjan Agarwal Ms Kalpana Jain, CSE

	<b>Section-D:</b> Physical activities / Sports	Dr. Trilok Gupta Dr. MS Khidiya Ms Garima Jain, CSE
9:00 pm – 09:30 pm	Informal Discussion at Hostel	Dr. HK Mittal, Professor and Head Dr. PK Singh, Professor and Chief Warden, CTAE

**Day – 3: January 3, 2018**

Time	Activity	Remarks
07:00 am – 08:00 am	Yoga	Ms Subha Surana and Er. Ranveer Singh Sekhawat, Yoga Instructors
08:00 am – 09:30 am	Bath and Break Fast	Respective Hostels / Home
09:30 am – 11:00 am	Human Values	Dr. Rajesh Rai, IIT BHU
11:00 am – 12:30 pm	Bio Sketch of Mahamana Pt. Madan Mohan Malviya and evolution of BHU	Dr. DP Singh, Former Vice Chancellor and Life time Professor IIT BHU
12:30 pm – 02:30 pm	Lunch	Respective Hostels / Home
02:30 pm – 07:30 pm	<b>Section-A:</b> Physical activities / Sports	Dr. AK Chhitora Dr. RS Shekhawat Dr. Nikita Vadhawan
	<b>Section-B:</b> Visit to Pratap Gaurav Kendra, Udaipur	Dr. NL Panwar Dr. Deepak Rajpurohit Dr. Rachana Mehta, ECE
	<b>Section-C:</b> Know your City	Dr. JK Meharchandani Dr. Chitranjan Agarwal Ms Kalpana Jain, CSE
	<b>Section-D:</b> Clean your surroundings	Dr. Trilok Gupta Dr. MS Khidiya Ms Garima Jain, CSE
9:00 pm – 09:30 pm	Informal Discussion at Hostel	Dr. HK Mittal, Professor and Head Dr. PK Singh, Professor and Chief Warden, CTAE

**Day – 4: January 4, 2018**

Time	Activity	Remarks
07:00 am – 08:00 am	Yoga	Ms Subha Surana and Er. Ranveer Singh Sekhawat, Yoga Instructors
08:00 am – 09:30 am	Bath and Break Fast	Respective Hostels / Home

09:30 am – 11:00 am	Self Confidence competence and Excellence	Dr. BP Sharma, President, Pacific University
11:00 am – 12:30 pm	Self security and protection	Dr. H.S. Rajpurohit, SHO Pratap Nagar
12:30 pm – 02:30 pm	Lunch	Respective Hostels / Home
02:30 pm – 07:30 pm	<b>Section-A:</b> Clean your surroundings	Dr. AK Chhitora Dr. RS Shekhawat Dr. Nikita Vadhawan
	<b>Section-B:</b> Physical activities / Sports	Dr. NL Panwar Dr. Deepak Rajpurohit Dr. Rachana Mehta, ECE
	<b>Section-C:</b> Visit to Pratap Gaurav Kendra, Udaipur	Dr. JK Meharchandani Dr. Chitranjan Agarwal Ms Kalpana Jain, CSE
	<b>Section-D:</b> Know your City	Dr. Trilok Gupta Dr. MS Khidiya Ms Garima Jain, CSE
9:00 pm – 09:30 pm	Informal Discussion at Hostel	Dr. HK Mittal, Professor and Head Dr. PK Singh, Professor and Chief Warden, CTAE

#### Day – 5: January 5, 2018

Time	Activity	Remarks
07:00 am – 08:00 am	Yoga	Ms Subha Surana and Er. Ranveer Singh Sekhawat, Yoga Instructors
08:00 am – 09:30 am	Bath and Break Fast	Respective Hostels / Home
09:30 am – 11:00 am	Physical Health, Well Being and You	Dr. BR Maroo, MBBS
11:00 am – 12:30 pm	Human Values	Dr. Ashok Arya, Arya Samaj, Udaipur
12:30 pm – 02:30 pm	Lunch	Respective Hostels / Home
02:30 pm – 07:30 pm	<b>Section-A:</b> Know your City	Dr. AK Chhitora Dr. RS Shekhawat Dr. Nikita Vadhawan
	<b>Section-B:</b> Clean your surroundings	Dr. NL Panwar Dr. Deepak Rajpurohit Dr. Rachana Mehta, ECE

	<b>Section-C:</b> Physical activities / Sports	Dr. JK Meharchandani Dr. Chitranjan Agarwal Ms Kalpana Jain, CSE
	<b>Section-D:</b> Visit to Pratap Gaurav Kendra, Udaipur	Dr. Trilok Gupta Dr. MS Khidiya Ms Garima Jain, CSE
9:00 pm – 09:30 pm	Informal Discussion at Hostel	Dr. HK Mittal, Professor and Head Dr. PK Singh, Professor and Chief Warden, CTAE

#### Day – 6: January 6, 2018

Time	Activity	Remarks
07:00 am – 08:00 am	Yoga	Ms Subha Surana and Er. Ranveer Singh Sekhawat, Yoga Instructors
08:00 am – 09:30 am	Bath and Break Fast	Respective Hostels / Home
09:30 am – 12:30 pm	Self-introduction by students, Wish and Ambition by students	Dr. Mahesh Kothari Dr. SR Bhakar
12:30 pm – 02:30 pm	Lunch	Respective Hostels / Home
02:30 pm – 03:30 pm	Feedback on Induction Program	Dr. Mahesh Kothari Dr. SR Bhakar Dr. BL Salvi
03:30 pm – 04:30 pm	Tea	Respective Hostels / Home
04:30 pm – 07:30 pm	Audio Visual Program: Movie	Dr. Naveen Choudhary, Head, CSE

#### 4. Summary

The incoming undergraduate students are driven by their parents and society to join into Engineering Education without understanding their own interests and talents. As a result, most students fail to link up with the goals. The graduating student must have values as a human being, and knowledge and meta- skills related to his/her profession as an engineer and as a citizen. Most students who get demotivated to study engineering or their branch, also lose interest in learning.

The *Induction Program* is designed to make the newly joined students feel comfortable, sensitize them towards exploring their academic interests and activities, reducing competition and making them work for excellence, promote bonding within them, build relations among teachers and students, family and friends, give a broader view of life, and building of character.