



# **Mahatma Gandhi Mission's College of Engineering Near Airport, Hingoli Road, Nanded.**

## **A REPORT ON INDUCTION PROGRAM FOR FIRST YEAR ENGINEERING STUDENTS**

Mahatma Gandhi Mission, that started its journey in a modest way with a rural health care center at Nila and a hospital in Nanded. Mahatma Gandhi Mission has emerged as a 5000- member family with more than 50 educational organizations, health care centers and social welfare units functioning under its umbrella at 5 centers i.e. Aurangabad, Nanded, Navi Mumbai, Noida and Parbhani. Spanning a period of 35 years, MGM establishments prove the deep faith of her management in the power of education that leads the society towards Prosperity of nation. Mahatma Gandhi Mission has endeavored providing value-based education in all streams of knowledge like Engineering, Medicine, Dental, Nursing, Management, Law, Library Science, Computer Science, Biotechnology, Bioinformatics, Fine Art, Mass Communication & Journalism. and Indian classical dance with state-of-art technology and infrastructure. Many new disciplines have also been included in the chain of establishments preserving the old. MGM's University of Health Sciences has begun with exploring the new possibilities of imparting quality education. The founders of the trust are a group of ingenious Engineers. The Board of Management of the Trust is headed by Shri KamalKishorji Kadam, who is ex- education minister, Maharashtra State.

MGM's college of Engineering, Nanded has successfully conducted an induction programme for the UG students entering the institution right at the start 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 the nature.

The following activities have been successfully organized in which the students were fully engaged for the entire duration of the programme.

### **1. Physical activity:**

This involves daily routine of physical activities where students are came on field in the morning and performed YOGA, meditation and Marshall Arts for self defence. To execute these activities successfully Shri Chandrakant Patil who is distinguished YOGA instructor in the town and a group of his 10 colleagues were invited. They taught the students how to practice YOGA in daily life besides, Marshall arts related activities were conducted by Shri Vikrant Khedkar and his Colleagues efficaciously. During these activities the instructor told the students significance of Marshall Arts and self defence.

### **2. Creative Arts:**

To develop a sense of aesthetics and to enhance creativity which would hopefully flow in to engineering design, an expert teacher Shri S. D. Mahamune, Lecturer, Dept of Fine Arts, MGM's College of Fine Arts, Nanded engaged activities related to development of Fine Arts skills.

To take care of singing, especially classical vocal, carpediam meditation, music for improved focus, stress management, Ghazal gayaki Prof Vaibhav Pande, Master of performing arts, Mumbai was invited to train the students.

### **3. Universal Human Values**

Universal Human Values enable the students to explore oneself and allow one to experience the joy of learning, stand up to peer pressure, take crucial decisions, 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.

The above activities were very well introduced & practiced under the guidance of Mr. Baswaraj Hooli, Senior Advisor, CDAC, Pune, Mrs. Shaila Hooli, Wipro Technologies, Pune and Mr. Sagar S. Lalka., Founder, Motivational Speaker, grooming Expert of Prayyaas Foundation.

To continue with the efforts made by the experts, the mentor faculties from the institute are conducting activities like group discussion, Human values discussion, building relationship with teachers and fellow colleagues.

## Mentoring

Class	Sr.No.	Name of Mentor	Mentee Roll Nos
FY-I	1	Mr.M.R.Pawde	101 to 119
	2	Dr.C.J.Somwanshi	120 to 138
	3	Mr.P.M.Pahinkar	139 to 157
	4	Mr.D.M.Joshi	158 onwards

Class	Sr.No.	Name of Mentor	Mentee
FY-II	1	Mr.S.S.Pawar	201 to 219
	2	Mr.N.A.Kadam	220 to 238
	3	Mr.M.T.Kulkarni	239 to 257
	4	Mr.Md.Iqbal	258 onwards

Class	Sr.No.	Name of Mentor	Mentee
FY-III	1	Mr.L.B.Shinde	301 to 320
	2	Dr.Md.Zameeruddin	321 to 340
	3	Mr.P.P.Pawar	341 onwards

Class	Sr.No.	Name of Mentor	Mentee
FY-IV	1	Mr.G.U.Adikine	401 to 420
	2	Mr.R.R.Sharma	421 to 440
	3	Mr.S.G.Gill	441 onwards

### 4. Literacy Activity

**4.1** It is said as exercise is to body reading is to mind. Reading helps the students to expose new things, information and new ways to resolve problems. It helps the students grow mentally, emotionally and psychologically. Habit of reading increases the students' knowledge and makes them smarter. It helps the students to develop critical and analytical thinking. As a part of making the students accustomed to reading certain activities such as newspaper reading, story reading and inspirational article reading were conducted during induction programme.

Collection of number of useful books are made available in the central library for the students covering the non academic part, mainly motivational, history, glory of the various cultures, communication and grammar, career development etc., as many as 227 different titles are available as listed below.

- i) Bharat ratna Dr. Babasaheb Ambedkar Messiah of untouchables / by Shri Sheshrao Chavan.
- ii) Lost hero a biography of Subhash Chandra Bose / Mihir Bose.
- iii) Lata Mangeshkar a Biography /Raju Bharatan.
- iv) Lokamanaya Tilak father of Indian unrest and maker of modern India/ Tahmankar D.V.
- v) Selected works of Mahatma Gandhi an autobiography (vol.1 to 6) /M.K.Gandhi.
- vi) Raman and his effect / G. Venkataraman.
- vii) Wings of fire / A.P.J. Abdul Kalam.
- viii) Thoughts of mahatma (vol.1 to 5) / K.S. Bharati.
- ix) Swami Vivekananda / Amiya P. Sen.
- x) Dhirubhai Ambani The man behind reliance /K. Bhushan G. Katyal.

**4.2** As writing is the primary basis upon which one's work, learning, and intellect is judged. Writing equips students with communication and thinking skills. It plays a significant role in making thinking and learning visible and permanent. Writing fosters the ability of students to explain and refine their ideas to others. To encourage the students' writing skills the activities such as essay writing, idea expansion, letter writing, situation narration were conducted during the induction programme and are continued. The faculties of English and communication Skills are constantly helping the students to learn more and more.

**4.3** Students are made to participate and interact amongst the fellow colleagues by arranging debate competitions. During the whole induction programme, debate events were successfully conducted where in students have shown active interest. The same activity is now being practiced regularly under the mentorship of the faculties of communication skills.

## 5. Proficiency Modules

**Background:** Students experience a cultural change when they join a professional college. This applies more to Engineering. Though they experience it, they would not be aware of the same and hence take more time to adjust to the new environment. They would need to be made aware of the cultural difference and guided right in the beginning so that they will get the advantage of the guidance for shaping their future.

It is about understanding the skills and proficiency needed to be successful engineer in the global environment – A Global Engineer.

The awareness about Industrial economy to knowledge economy will give them an idea about where we as engineering graduates are moving towards and the skills and proficiency that the new economy is demanding. The needs of knowledge economy are very different from the Industrial economy which needs to be addressed in the education. The need is to move from just knowledge acquisition and application to knowledge creation.

### **Future is in technology yet the bigger future lies in transcending it:**

We are now in one of the most transformational times in human history. Changes are exponential and disruption is new normal. In such situations we need to get in to ‘what might be’ not with ‘what is’. Over the years the focus of engineering education has been on ‘what is’. It has been more about understanding the technology and applying it to the given problem and not going beyond. We need to go beyond the technology and data to reach human insights and wisdom. The new way of working is to embrace technology but not to become it. This necessitates new way of thinking that need to be inculcated into the students right from the beginning.

English is a language of opportunities and it plays a prominent role in securing desirable employment. Accuracy and fluency in the use of language is very essential in Corporate World. Technology aided learning has been playing a very pivotal role in the pursuit of language acquisition.

Skills of the students’ are to be developed in speaking and writing abilities. This certainly helps the students’ to overcome stage fright and phobia about English.

The following outcomes are expected to bring awareness about the requirements to become a successful engineer in the global environment and how to achieve them.

#### **Expected Outcome:**

- i) Ownership & Responsibility for learning
- ii) Enhanced student involvement in the learning process
- iii) Handling the youth dilemma
- iv) Collaborative Learning & Mastering Just in time learning technique
- v) Improved peer co-operation and communication
- vi) Awareness about the requirements to be successful in the Engineering education

## **Approach adopted**

Through an interactive program with activities that teach the essence of engineering and power of collaboration

## **Broad topics covered are as follows**

- i) Introduction to Essence of Engineering
- ii) Paradigm shift - taking responsibility for learning
- iii) Engineering in the digital age - Challenges and Opportunities
- iv) Begin with the end in mind
- v) Triangle of Success - Seven survival skills
- vi) English and Engineering
- vii) Group Learning; Team Work; Information exploration- Change the model
- viii) Creating learning culture
- ix) Engineering Career - The Future

## **6. Lectures by Eminent Personalities**

Lectures of Eminent personalities connected with society and public life have been arranged for the students. For first year engineering students, the lectures by the following eminent personalities had been arranged during the induction programme and this is not final destination, in future such lectures will be arranged continuously.

- i) Dr. Mrs. Vrushali Kinhalkar (MD Gynecology, MS Human Psychology )
- ii) Dr. Mohit Solapurkar (MBBS, MD, Psychiatrist)
- iii) Mr. Mahesh Patil (Secretary, Committee of Education Draft)
- iv) Prof. Mahesh Mahamune (MFA, Drawing & Painting)
- v) Mr. Vaibhav Pande (Master of Performing Arts, Mumbai), President, ISE, Director, The Musical Fire, Conducts 'Carpe Diem Meditation', Music for improved focus and sharper memory of my child, hindi-urdu Ghazal Gayaki.
- vi) Mr. S. P. Rao Borde, Dean, students affairs and industry interactions JSPM Group of Institution of Pune, Global Intellect Award 2018 in the Category of Student Empowerment, Best TPO award in the category of Innovative Placement Practices from Erudite, Career Guru Award, Chairman of federation of training and placement officers, Pune district.

- vii) Mr. Sagar S. Lalka, Faculty , University of Pune, ‘Prayyaas’ Foundation, providing career guidance to students yearning for a guiding force in the form of educational consultant, or being the voice for their guidance in the form of motivational speaker, conducts ‘grooming and training’ sessions.
- viii) Mr. Vikrant Khedkar (Marshal Arts, gives training of marshal arts to CRPF & Police Personnel)
- ix) Dr. Shambhunath Kahalekar (M.Tech, Ph.D. IIT Roorkee)
- x) Mr. Chandrakant Patil (Well Known Yoga Teacher)
- xi) Mrs. Shaila Hooli (Wipro Technologies, Pune)
- xii) Mr. Basawraj Hooli ( M.Tech CS& E, IIT Bombay, Senior Advisor, CDAC, Pune)
- xiii) Swami Swatmanand (Completed the Vedanta Course from IIT, Pawai, An Acharya, Chinmaya Mission- South Mumbai, Director, All India Chinmaya Yuva Kendra )

### Schedule of Lectures by Eminent Personalities

14/08/2019	Dr.Mrs.Vrushali Kinhalkar	Aarogya
16/08/2019	Dr.Mohit Solapurkar	Stress Management
17/08/2019	Mr. Mahesh Patil (10.30 TO 12.30)	A way to Career
	Prof. Mahesh Mahamune (1.00 to 3.00)	Fine Arts
19/08/2019	Mr.Vaibhav Pande (10.30 TO 12.30)	Singing
	Prof. Mahesh Mahamune (1.00 to 3.00)	Fine Arts
20/08/2019	Prof. S.P. Rao Borde (TPO, JSPM)	Placement Opportunities
21/08/2019	Mr. Sagar Lalka (10.30 TO 5.30)	Persona Building, Life Style Mgt. & Career Design
22/08/2019	Shri. Khedkar Vikrant (7.00 to 9.00)	Self Defence
	Dr. Kahalekar S.G.	Personality Development
24/08/2019	Shri. Chandrakant Patil (7.00 to 9.00)	Yoga
	Swami Swatmanand	Happiness & Success
26 & 27/08/2019	Mr. Baswraj Hooli & Mrs. Shaila Hooli	Essence Of Engineering

## 8. Familiarization to department/ Branch & innovation;

Induction Programme began on 13<sup>th</sup> August, 2019. Students with great enthusiasm reported to college on that day. The welcome programme started with lighting of the lamp and garlanding to Goddess Saraswati. A group of students paid a vocal tribute to Goddess Saraswati with *sarswati vandana*. The second year students who excelled in the first year University examinations were felicitated by the Chairman of the institute Hon'ble Kamalkishor Kadam, Director Dr. Mrs. Geeta Lathkar, Vice Principal Dr. S.L. Kodgire and HODs of other departments. Later on a brief introduction of first year engineering teachers took place in which the teachers introduced themselves as well as their subjects respective.

Apart from it, staff including students' section clerk, scholarship section clerk, sports incharge, students' council incharge and NSS co-ordinator introduced themselves to the students. Shiv Prasad Titare, Training and Placement Officer stressed engineering job opportunities and required skills in his speech. Mrs. Jyoti Patil, CASERP co-ordinator made a PPT presentation in which she called attention to the significance and features of Management Information System (MIS). Dr. Govind Hambarde, Librarian guided the students regarding library access and discipline. First year engineering incharge N.A. Kadam in his address focused on need of consistency in study and class attendance. Applied Science and Humanities HOD Dr. Mrs. S.N. Dachawar and the HODs of other departments guided the students through their valuable speeches.

Director of institute Dr. Mrs. Geeta Lathkar enlightened the students by her motivational speech. In her inspirational address she prominently focused on optimism, academics, jobs and attitude to look towards life.

At the end, Hon'ble Kamalkishor Kadam, Chairman of institute in his keynote address emphasized the core values i.e. dedication, discipline and hard work. Besides, he accented in his speech the prominence of transcending the engineering knowledge into application for the betterment of society.

All the dignitaries and the teachers have distributed course files to all the students which contained Director's Message, Message by our Idols, Mentor teachers, teaching plan, library details, syllabus, time table, academic calendar and college rules. Finally the programme ended after each mentor taking 20 students to visit Chairman's office, Director's office, offices of all the departmental HODs', all the departmental laboratories including library, administrative office, workshop, store & cafeteria.

## Details of the well-come function



**First Year Well Come Function**



**Hon'ble Chairman Shri Kamalkishor Kadam addressing the students on the occasion of First Year Engineering Wel-Come function**



**Hon'ble Chairman Shri Kamalkishor Kadam and Director Dr. Mrs G.S.Lathkar felicitating the Guest Dr. Mohit Solapurkar**



**Dr. Mohit Solapurkar addressing on Stress Management**



**Director Dr. Mrs G.S.Lathkar and Vice Principal Dr. S.L.Kotgire felicitating the Guest Mr.Mahesh Patil**



**Director Guiding students regarding Career Development**



**Prof Vaibhav Pande Master of performing arts, Mumbai Guiding the students on classical vocal, carpediam meditation, music for improved focus & Ghazal gayaki**



**Prof. Mahesh Mahamune explaining the students sense of aesthetics**



**Prof. Mahesh Mahamune explaining creativity to engineering design**



**Prof. S.P. Rao Borde, Dean Students affairs and Industry interactions, TPO, JSPM Group, Pune addressing the students Placement opportunities**



**Mr. Sagar S. Lalka Founder, Prayyaas Foundation, Pune addressing the students on Persona Building, Life Style Management and Career Design**



**Mr. Sagar S. Lalka delivering lecture on Persona Enhancement**



**FE Incharge Prof. N.A. Kadam felicitating Dr. S. G. Kahalekar Retd. Professor SGGSI&T Nanded who delivered lecture on Personality Development**



**Swami Swatmanand Chinmaya Mission, Mumbai Personality Development Workshop on Happiness & Success**



**Hon'ble Chairman Shri Kamalkishor Kadam & Director Dr. Mrs. G.S. Lathkar with Swami Swatmanand, Chinmaya Mission, Mumbai**



**Mr. Vikrant Kkedkar demonstrating Marshall Arts**



**Students doing Marshall Arts Activity**



**Yoga Session with the Students**



**Students demonstrating Yoga**



**Director Dr. Mrs. G.S. Lathkar with Guests Shaila Hooli, Wipro Technologies Pune, Mr. Baswaraj Hooli, Senior Advisor, CDAC, Pune.**



**Mrs Shaila Hooli conducting group activity**



**Mr. Baswaraj Hooli, Senior Advisor, CDAC, Pune, enlightening the students on Essence of Engineering.**