

# INDUCTION PROGRAM

November 15-26, 2021



Induction Program Coordinator

Dr. Rajesh Tripathi

**Galgotias College of Engineering & Technology**

1, Knowledge Park II, Greater Noida - 201 306 (UP) INDIA

AKTU College Code # 097

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## 1. Overview

The induction program was conducted during November 15-26, 2021 in D-block at Galgotias College of Engineering and Technology. During this period, all the students admitted to B.Tech. 1st year were grouped into 16 classes.

Each class was assigned a class-coordinator. In addition to this, few more faculty members were deputed as mentor.

In addition to the proficiency module, UHVPE and activities were also conducted for all newly admitted students of B Tech – 1st Year : 2021-22.

This entire program was coordinated by Dr. Rajesh Tripathi, Professor, Dept. of Applied Sciences and First Year Coordinator.

## 2. Schedule and Faculty Members

### Schedule of Induction Program

Schedule of Induction Program on Unleash Human Values - B.Tech. - I Sem. - 2021-22													
Time (Hours)	From	To	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
	06:00	07:30	08:00	09:30	10:30	11:10	12:00	12:50	13:40	14:30	16:35	17:30	18:45
Lecture No.	xx	xx	1	2	3	4	5	xx	xx	xx	xx	xx	xx
Day-1	Nov 15, 2021			Academic Registration / Orientation				Academic Registration/ Orientation					
				Director's address				Interaction with Class coordinators					
Day-2	Nov 16, 2021			UHVPE / Proficiency Module				UHVPE / Proficiency Module	Activities				
Day-3	Nov 17, 2021			UHVPE / Proficiency Module				UHVPE / Proficiency Module	Activities				
Day-4	Nov 18, 2021			UHVPE / Proficiency Module				UHVPE / Proficiency Module	Interaction with Dept. / Activities				
Day-5	Nov 20, 2021	Wake-up Call for Hostellers	Physical Activities in Play Ground	Visit of Local Area			Lunch	xx	xx	Evening Tea	Physical Activities	xx	xx
Day-6	Nov 22, 2021			Doubt Clearing / Interaction with Course Teachers				UHVPE / Proficiency Module	Activities/Interaction with student council				
Day-7	Nov 23, 2022		xx					Activities/Interaction with student council	Activities/Interaction with student council				
Day-8	Nov 24, 2023		xx					Activities/Interaction with student council	Activities/Interaction with student council				
Day-9	Nov 25, 2024		xx					Activities/Interaction with student council	Activities/Interaction with student council				
Day-10	Nov 26, 2025		xx					Assessment Test	Closing of Induction program and Certificate distribution				
Physical Activities	Sports, Meditation and Gardening, Other activities												
Creative Arts	Creative expression, painting, sculpture, pottery, music, drama												
Literary Activity	Reading, Writing, Debating, Enriching Play etc.												
Proficiency Module	Physics, Chemistry, Maths and English												

Assessment Test will be Online, Multiple Choice Questions (20 - Physics, 20 - Chemistry, 20 - Maths, 20 - English), 80 min and of 80 marks.

## Faculty Members / Mentors deputed during Induction Program for Teaching and Monitoring

S. No.	Name of Faculty Member	Designation
1	Dr. Rajesh Tripathi	Professor
2	Dr. Rajendra Prasad	Associate Professor
3	Dr. Rajeev Kumar Mishra	Associate Professor
4	Dr. Aman Preet	Associate Professor
5	Dr. Bidyut Mallick	Assistant Professor
6	Mr. Pankaj Pathania	Associate Professor
7	Ms. Pratiksha Bhatia	Assistant Professor
8	Mr. Gaurav Singh	Assistant Professor
9	Dr. Smriti Dwivedi	Associate Professor
10	Dr. Bipin Kumar Srivastava	Associate Professor
11	Dr. Anshu Anjum	Associate Professor
12	Dr. Md. Kashif	Assistant Professor
13	Dr. Savita Verma	Assistant Professor
14	Dr. Anuradha Saha	Assistant Professor
15	Dr. Dushyant Kumar	Associate Professor
16	Dr. Deepak Kumar	Associate Professor
17	Dr. Pratap Kumar	Professor
18	Dr. Rajeev Kishore	Associate Professor
19	Dr. Padam Singh	Assistant Professor
20	Mr. Lokesh Kumar	Assistant Professor
21	Dr. Vinay Gautam	Assistant Professor
22	Ms. Ayushi Agarwal	Assistant Professor
23	Mr. Sarvesh Swamkar	Assistant Professor
24	Mr. Ashish Kumar	Assistant Professor
25	Ms. Rashmi Maheshwari	Assistant Professor
26	Dr. Bhawna Gupta	Assistant Professor
27	Dr. Shilpi Saxena	Associate Professor
28	Ms. Bhawna Singh	Assistant Professor
29	Dr. Surya Bhan	Assistant Professor
30	Ms. Kirti Tripathi	Assistant Professor
31	Dr. Vinod Pal	Assistant Professor
32	Mr. Manish Sansewal	Assistant Professor
33	Mr. Krishna Kumar	Assistant Professor
34	Dr. Ram Avtar	Associate Professor
35	Mr. Naveen Kumar	Assistant Professor

## Teaching Load Chart of Induction Program

Teaching Load # CE-Group : CS, IT, AL, DS, ANML, AI&DS, CSD												
S. No.	Subject Name	Course Coordinator	Teaching Load / Week	CS-A D-212 Mr. Bhawna Singh	CS-B D-213 Ms. Ayushi Agarwal	CS-AI D-308 Ms. Pratiksha Bhatia	CS-DS D-303 Dr. Pankaj Pathania	CS-D D-309 Mr. Vinod Kumar	AI & DS D-209 Mr. Deepak Joshi	AI & ML D-208 Mr. Gaurav Singh	IT-A D-315 Dr. Padam Singh	IT-B D-317 Dr. Shilpi Saxena
1	Physics	Dr. Rajendra Prasad		Dr. Rajeev K. Mishra	Dr. Aman Preet	Ms. Pratiksha Bhatia	Dr. Pankaj Pathania	Dr. Bidyut Mallick	Mr. Gaurav Singh	Mr. Gaurav Singh	Dr. Rajesh Tripathi	Dr. Rajendra Prasad
2	Maths	Dr. Dushyant Kr.		Dr. Pratap Kumar	Dr. Pratap Kumar	Mr. Lokesh Kumar	Dr. Bhawna Gupta	Dr. Dushyant Kumar	Dr. Vinay Gautam	Dr. Deepak Kumar	Dr. Padam Singh	Dr. Padam Singh
3	Chemistry	Dr. Monika Malik		Dr. Smriti Dwivedi	Dr. Smriti Dwivedi	Dr. Anshu Anjum	Dr. Bipin Srivastava	Dr. Anuradha Saha	Dr. Md. Kashif	Dr. Md. Kashif	Dr. Savita Verma	Dr. Savita Verma
4	English	Dr. Kaloli Day		Ms. Ayushi Agarwal	Ms. Ayushi Agarwal	Ms. Ayushi Agarwal	Ms. Ayushi Agarwal	Dr. Shilpi Saxena	Dr. Surya Bhan	Dr. Surya Bhan	Dr. Shilpi Saxena	Dr. Shilpi Saxena
5	Human Values	Mr. Sarvesh Swamkar		Mr. Sarvesh Swamkar		Mr. Ashish Kumar	Ms. Rashmi Maheshwari	Ms. Bhawna Singh	Ms. Bhawna Singh	Mr. Sarvesh Swamkar	Ms. Kirti Tripathi	Ms. Kirti Tripathi
6	Activities	Dr. Anshu Anjum		All respective class coordinators				All respective class coordinators				
TOTAL				Singing, Painting, Music (Instrument), Debate, Art (Drawing, Drama / Acting)				Singing, Painting, Music (Instrument), Debate, Art (Drawing, Drama / Acting)				

Teaching Load # EC-Group : EC, EE, EE, EE												
S. No.	Subject Name	Course Coordinator	Teaching Load / Week	EC-A D-217A Dr. R. K. Pandey	EC-B D-217B Dr. Gaurav Saxena	EC-C D-209 Mr. Rahul Khurana	EE D-205 Mr. Ranjana Kumar	EE-A D-204 Dr. Monika Bhattacharjee	EE-B D-403 Dr. Manish Sansewal	EE D-307 Ms. Kirti Tripathi	ME-A D-104 Dr. Savita Verma	ME-B D-404 Mr. Ashish Kumar Singh
1	Physics	Dr. Rajendra Prasad	Dr. Rajeev K. Mishra	Dr. Aman Preet	Ms. Pratiksha Bhatia	Dr. Pankaj Pathania	Dr. Bidyut Mallick	Dr. Rajesh Tripathi	Dr. Rajendra Prasad	Mr. Gaurav Singh	Dr. Aman Preet	
2	Maths	Dr. Dushyant K.	Dr. R. K. Pandey	Dr. R. K. Pandey	Dr. Vinay Gautam	Dr. Dushyant Kumar	Dr. Bhawna Gupta	Dr. Bhawna Gupta	Dr. Deepak Kumar	Mr. Lokesh Kumar	Mr. Lokesh Kumar	
3	Chemistry	Dr. Monika Malik	Dr. Anuradha Saha	Dr. Anshu Anjum	Dr. Md. Kashif	Dr. Smriti Dwivedi	Dr. Bipin Srivastava	Dr. Bipin Srivastava	Dr. Anuradha Saha	Dr. Savita Verma	Dr. Savita Verma	
4	English	Dr. Kaloli Day	Dr. Vinod Pal	Dr. Vinod Pal	Dr. Vinod Pal	Dr. Ram Avtar	Dr. Ram Avtar	Dr. Ram Avtar	Dr. Ram Avtar	Dr. Surya Bhan	Dr. Surya Bhan	
5	Human Values	Mr. Sarvesh Swamkar	Mr. Manish Sansewal	Mr. Manish Sansewal	Mr. Krishna	Mr. Krishna	Mr. Ashish Kumar	Ms. Kirti Tripathi	Mr. Naveen Kumar	Mr. Naveen Kumar	Ms. Rashmi Maheshwari	
6	Activities	Dr. Bipin Srivastava	All respective class coordinators				All respective class coordinators					
TOTAL			Singing, Painting, Music (Instrument), Debate, Art (Drawing, Drama / Acting)				Singing, Painting, Music (Instrument), Debate, Art (Drawing, Drama / Acting)					

### 3. Proficiency Module

#### Lecture Plan of Physics

1. Newton's Laws of Motion (Definition, Examples and Applications), Mass Energy Equivalence, Massless Particle
2. Gauss law of electrostatics, Gauss law of magnetostatics,, Faraday's law and Amperes circuital law
3. Bohr's Theory, Dual nature of Matter wave, Photoelectric Effect, Energy of Photon
4. Interference, coherent sources, condition for interference, constructive and destructive interference, division of wavefront and division of amplitude
5. Diffraction: basic of diffraction, differences between interference and diffractions, Nature of Light
6. Reflection, Refraction, Snell's Law, Critical Angle  
(related to optical fiber), Application of Optical Fiber
1. Three process of interaction of radiation  
with matter, applications of Laser
1. Discussion on Basics of Physics



**Dr. Rajendra Prasad**  
Course Coordinator

#### Lecture Plan of Chemistry

1. VSEPR Theory
2. Valance Bond Theory
3. Hybridization
4. Defects in solids
5. Electrochemistry
6. Electrochemical and electrolytic cell
7. Polymers
8. Water



**Dr. Monika Malik**  
Course Coordinator

### Lecture Plan of Maths

1. Matrices
2. Determinant
3. Sets
4. Relations
5. Functions
6. Trigonometric Functions
7. Inverse Trigonometric Functions
8. Limits and continuity
9. Continuity and Differentiability
10. Integration
11. Vector Algebra
12. Statistics and Probability



Dr. Dushyant Kr  
Course Coordinator

### Lecture Plan of English

#### I. Introduction To English Language

- 1 English (What do we mean by English?)
- 2 Why do you require learn it in spite of other available languages?
- 3 Why is it essential for an engineer?
- 4 Can an engineer survive himself/herself in the academic/professional world without English?
- 5 What are the fundamental objectives to learn English?

#### II. Introduction To Technical English

- 1 What is technical English?
- 2 How does technical English differ from general English?
- 3 How does English function at different work places?
- 4 How does English Function differently into different disciplines of Engineering?

#### III. Introduction To English For Engineers

- 1 Overall aspect of language in brief
- 2 How to improve listening and speaking skills
- 3 How to improve reading skill
- 4 How to improve writing skill
- 5 Formation of Technical Sentence



Dr. Surya Bhan  
Course Coordinator



## 4. Universal Human Values

1. UHV Lecture Topic1- Aspirations and Family Expectations
2. UHV Lecture Topic2-Purpose of Course
3. UHV Lecture Topic3- Self and Body
4. UHV Lecture Topic4- Peer Pressure, Peer Pressure and English
5. UHV Lecture Topic5- Activates of self
6. UHV Lecture Topic6- Prosperity
7. UHV Lecture Topic7- Relationship in family -Justice
8. UHV Lecture Topic8- Trust, Anger
9. UHV Lecture Topic9- Respect, Self Confidence
10. UHV Lecture Topic10- Gratitude
11. UHV Lecture Topic11- Relationship vs Transaction
12. UHV Lecture Topic12- Competition and Cooperation
13. UHV Lecture Topic13- Competition and Excellence
14. UHV Lecture Topic14- Interaction and Ragging
15. UHV Lecture Topic15-Four Orders of Nature

## 5. Creative Arts, Literary Activities and Physical Activities

Creative arts and Literary activities were conducted through activity coordinators.

The list of major activities conducted under these categories included :

1. Sketching/ Painting
2. Singing
3. Music (Instrumental)
4. Dance
5. Debate
6. Extempore
7. Plantation (Green drive)
8. Helping the needy

## 6. Program content and outcome

### PROGRAM CONTENT

- Extempore to inculcate life-skills including communication skills.
- Debate to bring out awareness and attitudinal as well as behavioural changes.
- Dance and other group activities to develop intrapersonal and communication skills.
- Sketching and painting to bring out the hidden talent.

### OBJECTIVES OF ACTIVITIES CONDUCTED

- Improvement in learning efficiency and productivity through increased energy levels.
- Relaxation and clarity of mind through meditation and yoga.
- Opportunity for Self-development, attitudinal shift and maturity in decision making.
- Enhancement of the ability of youth to handle stressful conditions.
- Personality Development through interaction and content delivery.
- Understanding aspects of communication.
- Team work.

## OUTCOMES

- Increased concentration levels.
- Enhanced creativity leading to an innovative mind.
- More clear, calm and a happy state of mind leading to better decision making and handling stressful situations.
- Improved confidence levels.
- Stronger sense of responsibility leading to being a better team player.

## 7. Visit To Local Area and familiarisation with department / branches and innovations

Students were made to visit

- a. Nearby village
- b. Nearby primary school

During the induction program, students visited the labs of all departments concerned.

In the labs, lab equipments and projects made by senior students (alumni) were demonstrated.

This creates a passion of learning and doing innovations.



# PHOTO GALLERY

## INAUGURATION CEREMONY OF INDUCTION PROGRAM



## WELCOME ADDRESS



FACULTIES



## PERFORMANCES OF STUDENTS





## ACTIVITY: SKETCHING



## ACTIVITY: EXTEMPORE AND DEBATE



### CERTIFICATES DISTRIBUTION TO PERFORMERS



### PLANTATION DRIVE WITH FIRST YEAR STUDENTS DURING INDUCTION





### PLANTATION DRIVE DURING INDUCTION PROGRAM



### BRINGING HUMAN VALUES IN PRACTICE WITH FIRST YEAR STUDENTS



## DONATION DRIVE



### 9. Acknowledgements

The conveners of induction program would like to express their sincere thanks to **Hon'ble Shri Suneel Galgotia**, Chairman – Governing Council, **Shri Dhruv Galgotia**, CEO and **Dr. Brijesh Singh**, Director, Galgotias College of Engineering and Technology, Greater Noida.

Further, conveners express thanks to the organizing committee, including all deputed and dedicated activity in-charges, faculty members, eminent personnel and all other personnel who directly or indirectly helped in organising this induction program with a grand success.

Also, the conveners thank all the students who wonderfully supported and coordinated many events of the induction program very sincerely and in a disciplined manner. We also thank to all the participants for their active and encouraging participation.



**Dr. Rajesh Tripathi**  
First Year Co-ordinator, GCET



**Dr. Brijesh Singh**  
Director, GCET

**Thanks**