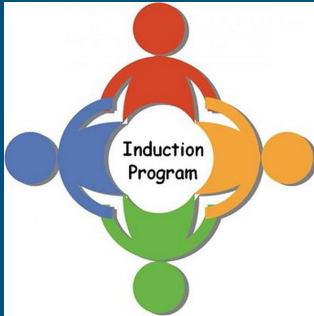


A Report on Student Induction Program-2021 For 1st semester B.E. (From 13th to 24th December 2021)



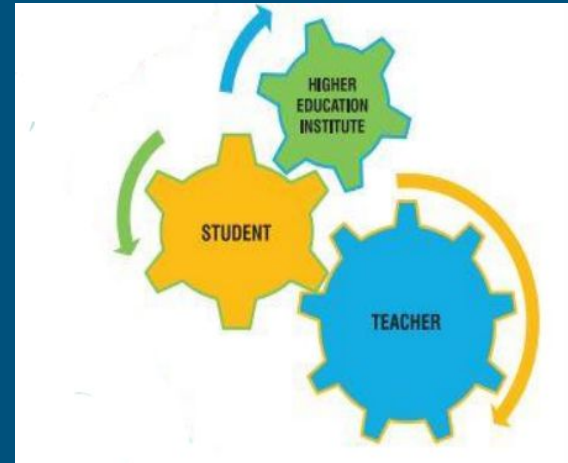
Organized by,
Dept. of Basic Science,
CIT-Gubbi

About Induction Program

Education plays a vital role in a country's progress. It is said that all human beings are endowed with unique talents and traits. The role of a teacher is to facilitate students to achieve their goals by nurturing the talents hidden in them. It is believed that the inherent talent and core competency should come together to make education a meaningful, holistic, productive and fulfilling one. The aim of an engineering college is not just to make competent engineers, in addition to it to groom knowledgeable and well cultured men and women, fit to radiate the fragrance of their learning amongst people. In this direction, induction program is an effort for integrating new student into the institution by giving him the basic information he needs for settling down quickly and work for his academic success by adjusting his interests with those of the institution. In this regard as per the guidelines of Visvesvaraya Technological University and AICTE, the first phase of mandatory 3 weeks Induction Program was conducted for 1st semester BE students of the academic year 2021-22 from 13th - 24th December, 2021. The details of the activities conducted and outcomes of the Induction program are presented in this report.

Aims and Objectives of Induction Program

- ❖ Familiarize the new student with the various branches, methods of study, various facilities, the academic and administrative set up in the Institute.
- ❖ To develop a sense of aesthetics and enhance creativity among students.
- ❖ To generate favorable attitudes towards peers, senior students, teaching and non teaching staff in the Institution.
- ❖ To inculcate value systems, ethics and leadership qualities among students.
- ❖ To promote entrepreneurial thinking among students.
- ❖ To inculcate in students effective communication skills, team work skills, multi disciplinary approach, and develop a desire to apply knowledge of engineering for the real life problems.
- ❖ To sensitize students towards environmental issues and to develop an attitude to protect and conserve environment among students.



Activities

- ❖ Familiarization with College & Departments
 - ❖ Physical Activity (PA)
 - ❖ Creative Arts (CA)
 - ❖ Universal Human Values (UHV)
 - ❖ Literary Activities(LA)
 - ❖ Proficiency Modules (PM)
 - ❖ Personality Development (PD)
 - ❖ Lectures by eminent people
 - ❖ Extra Curricular Activities
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Day-1: 13th December, 2021 (Monday)

1. Student Registration
2. Campus Tour
3. Welcome & Introduction to CIT

The first day of the Induction program began with the registration of students to first semester BE.

Students were later taken on a Campus tour to acquaint them with the Institute and other facilities it offers.

An orientation about the college was conducted during the afternoon.

Dr. Shantala CP, Vice Principal of the College welcomed the students.

Dr. Suresh DS, Director and Principal in his address explained about the journey of CIT over the years from the day of its inception. Further, he explicated about the various initiatives taken up by CIT in providing quality education in the cutting edge technologies of core branches of engineering.



Day-2: 14th December, 2021 (Tuesday)

1. Familiarization of Departments
2. Academic & Examination Regulations
3. Physical & E- Resources at Library and Information Center

Dr. Shivaprakash spoke about the academic and examination regulations of Visvesvaraya Technological University. He created an awareness about cafeteria based CBCS approach. Grade system, attendance requirement and conditions for vertical progression, SGPA and CGPA, BE Honors and Minors degrees and other new aspects pertaining to 21 scheme.

The Library orientation program offered first year students an introduction to library resources and services. During the program, students were acquainted with basic database searching techniques and the usage of online catalog. Librarian Ms. Nagarthamma coordinated the program.



Day-3: 15th December, 2021 (Wednesday)

1. Unwinding the mind by games and physical activity
2. The Secret-Motivational Session
3. Sports facilities and Opportunities



Sports day was celebrated at the campus, Mr.Rajendra, Mr. Jagdeesh, Mr. Kotresh Naik and Basic Science faculty coordinated the program. Games and activities were meticulously designed for students with a main purpose to make students adapt values of sportsmanship in their day to day work. Sports talent identification was also conducted in the program.

Ms. Roopa Shankar gave a session on Rhonda Byrne's most influential book The Secret. During her session she explained how thoughts can become things with a clear mindset. How like attracts like. All those aspects were touched upon in the session.



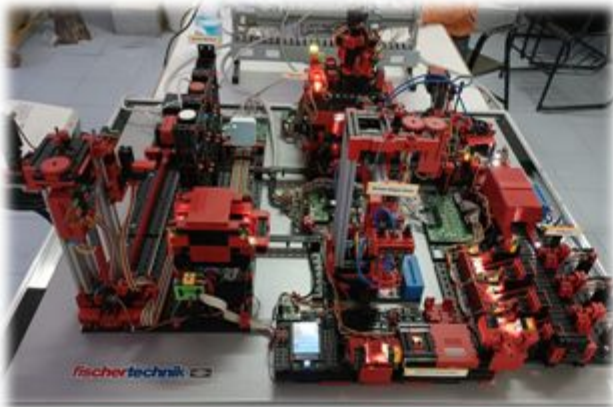
Day-4: 16th December, 2021 (Thursday)

1. Enhancing knowledge through multidisciplinary skill labs

An orientation program about multidisciplinary skill lab facilities at CIT was conducted. Creativity in Engineering, Computational thinking and Cloud computing lab

Embedded Systems Robotics and Industrial Automation lab were the multidisciplinary laboratories developed by CS and EC departments at CIT.

These facilities were created as per VTU guidelines to enhance problem solving skills, logical thinking and algorithmic thinking. Analog to digital signal handling, encoding the controller using various automation techniques and so on. Departments of CS and EC coordinated the program.



Embedded System – Robotics – Industrial Automation and IoT Lab



Creativity in Engineering - Computational Thinking
- Cloud Computing Lab

Day-5: 17th December, 2021 (Friday)

1. A Glimpse on Placement & Training
2. Creative Arts Session



Prof Chetan Balaji, Training & Placement officer, CIT Gubbi gave a presentation on current scenario of job market and explained students in length how one one can forge ahead in the dynamic world by honing the latest technical skills.

Mr. Akram Pasha conducted a session on creative arts. Through simple activities he explained the importance of visual and performing arts in adding value to our work and its contribution in making us creative and inventive individuals



Day-6: 18th December, 2021 (Saturday)

1. Antiragging policies and grievance redressal
2. Public Speaking Competition

Dr. GS Kulkarni, HOD of Mechanical Engineering and Chairman, Anti-ragging committee, CIT-Gubbi spoke about anti ragging policies and grievance redressal mechanism at place in college



A public speaking competition was conducted for students on the topics

1. Value of literature in life
2. How one can serve his Country best



Day-7: 20th December, 2021 (Monday)

To enhance the cognitive and problem solving skills a session on Computational thinking was Conducted by Dr. Sridhar KN Rao, Chief Advisor (Academics & Research), CIT Gubbi.

1. Computational Thinking
2. Happiness Equation

How one can lead a happy, contented and fulfilling life by having a positive outlook on life was explained in the session on “The Happiness Equation”. Happiness is not just the reduction of stress or anxiety but it is a way to great work and success was elucidated in the session.

REC

white, color, white, color

1	3	1		

1, 3, 1
4, 1
1, 4
0, 1, 3, 1
0, 1, 3, 1
1, 4

Sridhar Rao's screen

REC

GOING AHEAD

VIDEOS The basics of computer science, Computer Science Principles, How Computers Work, How the internet works.
<https://code.org/educate/resources/videos>

HOW COMPUTERS WORK
WITH BILL GATES

Computer Science Principles

WHAT IS THE INTERNET?

COMPUTER SCIENCE

Bit 0

ALGORITHM

Sridhar Rao's screen

REC of the Card

CARD GAME

Game: Change the Face of the Card and

- if the face has dots put 1 in the box below,
- if the face has blank put 0 in the box

Challenge:

- Which card should have what face?
- Sum of the dots should be equal to the number I say

Sridhar Rao's screen

REC

GOING AHEAD

PROFILE

- Github
- Bloggs/Articles
- Dpsource Tools
- Internships
- Active Learning in Classroom

Sridhar Rao's screen

REC

COMPUTATIONAL THINKING

ABSTRACTION

DECOMPOSITION

ALGORITHMIC THINKING

LOGICAL REASONING

PATTERN RECOGNITION

Sridhar Rao's screen

REC

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repeat twice:
plant a flower^o on your right hand side
move one step forward
plant a flower^o on your left hand side
move one step forward.

Sridhar Rao's screen

REC

Sridhar Rao's screen

Day-8: 21st December, 2021 (Tuesday)

1. Technology of Future
2. AICTE Activity Points

The session Technology of the future enlightened students about what sorts of technologies await us in future based on the rapid advancements taking place in the fields of mathematics, physics, computer engineering and electronics. Dr. CR Pradeep, HOD of Mathematics Department conducted the session.

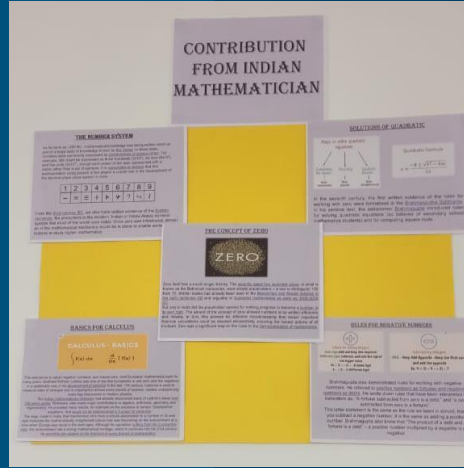
An awareness about AICTE activity points was conducted to students



Day-9: 22nd December, 2021 (Wednesday)

1. Mathematics Day Celebration

National Mathematics Day on 22nd December 2021 to commemorate the birth anniversary of Indian Mathematician Srinivasa Ramanujan. The Program was inaugurated by Sri Venkata Subba Rao V, Director, Smart Cerebrum Private Limited Bangalore. Renowned Mathematician and Professor and HOD of Mathematics Department, CIT Gubbi Prof. CR Pradeep gave a talk on Life and Work of Legendary Indian Mathematician Srinivasa Ramanujan. Director of CIT Group of Institutions Dr. Suresh D S presided over the function. Vice Principal and HOD of CSE Dept. Dr. Shantala CP, Chief Advisor (Academics and Research) Dr. Sridhar KN Rao, were also present during the occasion. HODs and faculty members, students of CIT and CITPS attended the function. As a part of the occasion, exhibition on History of Mathematics, Puzzle solving, games and activities were conducted by students. Lecture competition for college students and the winners were rewarded with prizes and certificates.



Day-10: 23rd December, 2021 (Thursday)

1. How to make smart and wise decisions through simple case studies-Prof Praveen Kumar TM
2. Proctorial System-Dr. Kiran Gowd
3. Motivational Session-Dr. Rangareddy

A motivational session on **Entrepreneurship and Start-up India** on 23rd December 2021 in the Auditorium. Dr. Enti Ranga Reddy, Chairman and Managing Director, Legend Technologies (India) Pvt. Ltd graced the occasion as Chief Guest and keynote speaker. Dr. Ranga Reddy shared his personal experience right from his first job as an engineer at HAL to a successful entrepreneur as of now. He further enlightened students on evolution of startups and unicorns in India and also pitched in a few insightful thoughts on what are the opportunities available for the new startups and challenges one might face while emerging as a successful entrepreneur. He spoke about contribution made by the company Legend Technologies in developing PSLV, Gaganyaan mission, Lakshya missile and other prestigious projects of ISRO and DRDO and also mentioned about his company's latest project two seater Ultra light Helicopter. He advised students on learning beyond curriculum and how important is re skilling oneself is important to grow personally and professionally in this dynamic market set up.



Day-11: 24th December, 2021 (Friday)

1. Biodiversity of Gubbi
2. Feedback and Conclusion

A session on Biodiversity of Gubbi was conducted by Prof. CR Pradeep. Students were taken around the campus and explained about various trees and their features

Cultural programmes were conducted later in the day and students' feedback about the Induction program was taken at the end of the day.

