

**BHARATH NIKETAN ENGINEERING COLLEGE**

**SRI GOWRI NAGAR, THIMMARASANAikanoor  
AUNDIPATTY**

**A Report on Students Induction Programme 2023-24**

**Submitted by**

**Department of Science and Humanities**

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## **INTRODUCTION:**

Bharath Niketan Engineering College, Aundipatty hosted a Three-week Induction Programme in compliance with AICTE regulations for new entrants. The goal of this programme was to acclimates the students to their new surroundings and familiarize them with the institution.

We thank you for accepting our confirmation to attend the demonstration workshop on 20.8.2023. In this respect, we organized an intensive Induction Programme from 8.11.23 to 25.11.23 for First Year Students with various activities. A total of 290 students took part in this program, which was conducted from November 8.11.2023 to 25.11.2023. Motivational Video, Campus Visit, Industrial Visit, Field Trip, Physical Activities, and Yoga Meditation were all part of the Induction Programme. The following report provides the timetable as well as brief notes on the various topics.

## **INAUGURATION SCHEDULE:**

<b>Time</b>	<b>Description</b>
09.45-10.30	Registration
10.30-11.00	Refreshment
11.00-01.00	Inauguration
01.00-02.00	Lunch
02.00-03.00	Department Tour

**Regular phase:**

The regular phase of induction will start after the first day. In this Phase regular programme as it follows.

	9.45 – 10.30	10.30 – 11.15	11.15 – 11.30	11.30 – 12.15	12.15 – 1.00	1.00 – 2.00	2.00 – 2.45	2.45 – 3.30
MON	MAT	ENG	B R E A K	PHY	CHE	L U N C H	Universal Human Values	
TUE	ENG	CHE		MAT	PHY		Lectures by Eminent Persons / Presentation Skills	
WED	PHY	MAT		CHE	ENG		Visit to Local Areas / Industry Visit	
THU	CHE	ENG		PHY	MAT		Creative Arts	
FRI	MAT	PHY		CHE	ENG		Universal Human Values	

**DAILY ACTIVITIES:**

Some of the activities are on a daily basis, while some others are at specified periods within the Induction Programme.

The following activities can be scheduled at different times during the Induction:

1. Physical Activity
2. Creative Arts
3. Universal Human Values
4. Proficiency Modules
5. Lectures by Eminent People
6. Visits to Local Area
7. Familiarization to School/Department
8. Departmental Specific Activities

## **1) PHYSICAL ACTIVITIES:**

Aside from academics, sports contribute to a student's total growth. They improve students' physical and mental capacities and assist them in achieving their life goals. The sensation also aids in the development of a calm and pleasant mindset, as well as the growth of stamina through bone and muscle strengthening.

### **1.1 Ring ball:**

Ring ball is a non-touch sport performed through each males and females groups in separate games. There held a friendly match on 12.11.21 afternoon and we separated our first year girls of ECE,CSE and CIVIL into three sections. The goal of the sport is to throw the ball from one participant to every other and sooner or later via the hoop or hoop of the goalpost. A goalpost is located at each ends of the courtroom docket. ball is surpassed via the air from participant to participant and is stuck with the hands, such that the ball does now no longer contact another a part of the body. Finally the winners of Ring ball had been given certificate.

### **1.2 Cricket:**

As we recognize that today's technology had been displaying their hobby closer to cricket a lot. On13.11.21 there held a friendly match between MECH and CIVIL boys. Our Cricket Players Students Showed their talent. It is a sport performed with the aid of using groups of 11 Members. It is not often a difficult opposition to decide the potential of each and every student due to the fact each had been in identical track with only a factor Mechanical college students scored the game.

### **1.3 Basket ball:**

Basketball is one of the maximum famous sports activities within side the world. It is performed with a ball and a hoop. There is a most of five gamers at the ground at one time. A minimal of three gamers might also additionally end a game. Our first year students not only the players Girls those who were interested take part in it. We conducted it not as a competition but to have refreshment.

### **1.4 Carom:**

On 17.11.21 as a part of indoor, game two or four people participated in Carom. If two, the players sit opposite each other, while with four; the opposite two are partners. We carried out an opposition among

Girls. In this, absolutely 10 Girls took component in it and we divided them into 2 Groups. Girls from CSE, CIVIL one group and another one from ECE&IT.

### **1.5 Volley Ball:**

A volleyball games includes a groups of six gamers each, separated via way of means of a net. The six volleyball courtroom docket positions are setter, center blocker, out of doors hitter, contrary hitter, libero and serving specialist. Girls have been extra interested by Volley ball than boys. They performed similar to a recreation now no longer as competition.

### **1.6 Throw Ball:**

Throw Ball is a team sport. The gamers need to trap the ball with each palms and go back it via way of means of one hand only. The ball that to be served have to be launched from above the shoulder/shoulder line of the player. The provider ball has to now no longer contact the net. Double touches aren't allowed for receiving the provider ball. As boys had been inquisitive about Cricket Girls confirmed their interest in Throw Ball with the aid of using making lot of sound.

### **1.7 Yoga and Meditation:**

Yoga is a practice that brings the body and the soul together. It is a method via which we can achieve inner calm. It is a sort of exercise in which we balance the elements of our body. It also assists us in meditating and relaxing. Yoga teaches us how to regulate both our bodies and our minds. Yoga can help us build self-discipline and self-awareness.

Yoga provides a plethora of advantages. It aids in maintaining our emotional and physical well-being. It allows us to feel more connected to nature. In addition, regular Yoga practice makes your body more flexible.

From 16.11.21 to the 19.11.21, a three-day Yoga and Meditation programme was held on our college campus to help our students develop a strong and healthy mind.

Arivu Thiru kovil from Aundipatty sent staff to our campus to help our students integrate their self-confidence level.

## **2. CREATIVE ARTS:**

Our First Year Students confirmed their skills similarly in innovative arts. Topics had been given and they're requested to carry the wanted material. we had been nearly greatly surprised to look the hobby in Arts. As it is the manner to carry out the hidden skills in one's, lot of Students participate in it.

## **Painting:**

Painting is the practice of applying paint, pigment, color or other medium to a solid surface. There are different types of painting. They are as follows

- a) Oil
- b) Pastel
- c) Acrylic
- d) Water Color
- e) Ink

## **3. UNIVERSAL HUMAN VALUES:**

UHV starts with **Welcome and Introduction** where we self - explore ourselves in account of getting to know each other. Secondly, on **Aspirations and Concerns** we discussed about our present effort, our aim become something and our progress in expect to get / do something. The session **Self-management** conferred about handling peer pressure. As students are away from their parents and being in a new environment this session helps students to ease their pressure.

Sound body, Sound mind. In Understanding Health session we discussed about how to maintain our health by concerning intake of food and water, awareness of choice of food, avoiding distractions etc. The session Relationships nattered about family, the basic unit or building block of human organization. It extends beyond the blood relationships – to friends, classmates and teachers in school, and now batch mates and faculty in college. The session Society enlightened about how good governance and people have made significant change in society. The final session Natural Environment provides knowledge on what is our contribution in protecting our Nature, Global Warming and Climate Change Indication.

All the human beings continuously aspire for a happy life, a fulfilling and successful life, and the purpose of education is to provide adequate competence to actualize this aspiration. UHV fulfils the above by what is really VALUABLE for human being, and, what is really conducive to a happy and fulfilling life? Then it is essential to know – How to actualize it? How to make it happen?

## **4. PROFICIENCY MODULES:**

### **4.1 Proficiency Modules in English:**

- Medium of Communication
- Barriers of Communication

### **4.2 Difficulties of Learning /Teaching:**

- Students are from rural areas they are not fluent in communication.
- Fear in Formal Grammar

### **4.3 Tools As Remedy:**

- Word Building
- Reading Practice
- Speaking Practice
- Debate

### **4.4 Word Building:**

- Phonetic Formation
- Cross Puzzle
- Word Formation from Root Words

### **4.5 Reading Practice:**

- Enjoyment in Reading and building mutual word structure.
- Forming Paragraph using Key Words.

### **4.6 Speaking Practice:**

- Interpretation through Newspaper, Magazine and Article.

### **4.7 Debate:**

The process through which two or more individuals communicate information or ideas in a face-to-face scenario in order to achieve a goal is known as group discussion. Increased understanding, agreement leading to action, disagreement leading to competition or resolution, or simply a clearing of the air or continuing could be the aim or conclusion. It's a group of people that get together to talk about an issue and come up with a solution on the spot. We divided the students into two groups based on their abilities. Every student is required to participate and to express their point of view in accordance with the topic.



#### **4.8 Proficiency in Computer Familiarity:**

Levels of competency in using Microsoft Word:

#### **4.9 Levels Skills (Basic)**

This level of skills is sufficient to perform daily word processing tasks, such as, producing routine letters, memorandums, and informal reports. A person with this level of skills is able to use basic formatting, editing, printing functions, and understands the document page setup.

The person has the skills to

- Create a new document, enter text, and save it.
- Open and edit existing documents.
- Navigate in a document and perform a search.
- Select and move text.
- Format characters and paragraphs; work with tabs, indents, margins, lists, breaks, spacing.
- Use AutoCorrect and Help tools.
- Create and edit tables.
- Control page and document appearance.
- Print documents, envelopes, and labels.

#### **5. LECTURES BY EMINENT PEOPLE:**

On 8.11.21 on the first day of Induction Programme our college arranged a Motivational Programme on the first day of the Induction Programme **Dr. I Jegan**, CEO of “Win Your Weakness Academy” served as the resource person and gave a motivational speech throughout the day. The students' participation is above and above. Our Students have learned a lot of useful information in a fun way.

A true motivational speaker who has influenced the minds of many pupils for the better. By sharing his own joyful story of enthusiasm and zeal, he instilled the spirit of perseverance and high goals in his students. He not only encouraged our kids, but he also stressed the importance of engineering, the worth of life, and the advantages and disadvantages of using a phone. Our students were enthusiastic throughout the day.

#### **6. VISIT TO LOCAL AREA:**

Interacting with the social environment and people in the educational institution helps us develop our intellectual activities.

We took our First Year Students to Vaigai Dam on 11.11.21 as part of an Industrial Visit. On both sides of the dam, the Water Resources Department maintains a lovely park. In front of the dam, the bridge joins the two sides of the park.

We visited the Vaigai Dam Hydroelectric Power Plant, which has a design capacity of 6W. It consists of two 3 MW units. The Units were commissioned in 1998. It is operated by Tamilnadu Generation and Distribution Corporation limited (TANGEDCO).

### **6.1 Field Visit:**

On the 13.11.21, we took our students to Mavootru Vellapar Temple, where they learned about the history and traditions of the area surrounding our institution. Vellapar Temple was constructed by the Kandamanur Zamindar. This temple is located in a beautiful location which is the Varusanadu hills.

It is undoubtedly a nature lover's ideal place. According to historical evidence, there is an underground link between Theppampatti and certain locations with a large float. It is also thought that numerous Siddhas and Sages are conducting penance in the nearby hill caves.

### **7. FAMILIARIZATION OF DEPARTMENT / BRANCH AND INNOVATION:**

Students from various disciplines were taken introduced to the respective programs. Concern Department Faculty Members gave a detail view about their courses, about Mini Project, Internship, Placement and Job Opportunities. They had a glance of lab too and interaction with department HOD's and staff members.

The introduction included points of

- Introduction of Program and its objectives
- Job opportunities
- Lab Facilities

<b>S. No.</b>	<b>Department</b>	<b>No.of Students</b>	<b>Head of the Department</b>	<b>Faculty from Core Department</b>	<b>Faculty Teaching in First Year Department</b>
1	Mechanical Engineering	23	Dr.J.Vivek	Mr. Jeyapandi	Mrs.Rujvana
2	Civil Engineering	11	Mr.C.Murugan	Mr. Rohith kumar	Mr.R.Rajeshkumar
3	Electronics and Electrical Engineering	13	Mr.Rahul kumar	Mrs. Mangalam	Mr. S.Jeyachandran
4	Electrical and Communication Engineering	24	Dr. Pounraj	Mrs. Sangeetha	Mr. Dinesh Kumar
5	Information Technology	29	Mrs.Saravanaselvi	Mrs. Premalatha	Mr.M.Kamaraj
6	Computer Science Engineering	57	Mr. Oyyadevan	Mr.Sendhilkumar	Dr.Ananthi

### **8. DEPARTMENT SPECIFIC ACTIVITIES:**

On 16.11.23 Department of Computer Science and Engineering has organized a workshop on Cyber Security. In this Students of CSE&IT take part and got the awareness of Computer security or information technology security is the protection of computer systems and networks from information disclosure, theft of or damage to their hardware, software, or electronic data, as well as from the disruption or misdirection of the services they provide.

On the same day Students of ECE attended a workshop class about CADD. Schedule for Introduction to Electrical and Electronics.

Sl. No.	Session Timing	Key Topics
1	10 AM to 11:30 AM	<p>Introduction to Electrical and Electronics</p> <p>Active and passive components</p> <p>Electrical and Electronics component details</p> <p>Introduction to sensors</p> <p>Working of analog and digital sensors</p>
2	11:30 AM to 11:45 AM	Break
3	11:45 AM to 1 PM	<p>Regulated power supply design</p> <p>Sensor design on simulation software</p> <p>Hardware level Sensor design using Opamp and transistor</p> <p>Introduction to Microcontroller and microprocessor</p> <p>Introduction to motor</p>
4	1 PM to 1:45 PM	Lunch Break
5	1:45 PM to 3:30 PM	<p>Driver circuit design of robot on simulation</p> <p>Obstacle detection sensor design</p> <p>Automatic gates design</p> <p>Line follower robot sensor design</p> <p>Corner identification robot sensor design</p> <p>Automatic room light controller</p> <p>Automatic street light controller</p> <p>Colour detection device</p>

## MOTIVATIONAL PROGRAMME

**First Year Induction Programme Chief Guest Dr.I. Jegan**



**Interaction with Students**



## CAMPUS VISIT

### **Department of Civil Engg - Material Testing Laboratory**



### **Department of Civil Engg –Survey Laboratory**





**Dept of Computer Science and Engg - Data Structure Lab**



**Dept of Electronics and Communication Engg - Microprocessor Lab**



**Dept of Electronics and Communication Engg–Communication Lab**



**Dept of Mechanical Engg - CNC Turning Center**





**Dept of Mechanical Engg - CNC Milling Machine**



**Dept of Electrical & Electronics Engg - Electrical Machines Lab**



## INDUSTRIAL VISIT

### Hydro Power Plant @ Vaigai Dam





**In front of Vaigai Dam**



**Mavootru Vellapar Temple**



## PHYSICAL ACTIVITIES

### Girls Playing Throw Ball & Basket Ball



### Boys Playing Foot Ball





## Boys Playing Cricket



## Meditation



## Students Performing Yoga



## Debate & Group Discussion



## CADD Centre Training







**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
**NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI**

*Certificate of Participation*

This is to certify that **Mrs. Rujvana J** from **Bharath Niketan Engineering College, Theni** has participated and successfully completed the **5-day Online FDP** on the theme **“Inculcating Universal Human Values in Technical Education”** organized by **All India Council for Technical Education (AICTE)** from **05th December to 09th December 2022**.

**Dr. Rajneesh Arora**  
Chairman  
National Coordination Committee for Induction Program

**Prof. Rajive Kumar**  
Member Secretary, AICTE

**Prasanna Venkatesan**

Digitally signed by  
Prasanna Venkatesan  
Date: 2024.05.20  
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