



NEW HORIZON
COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

INDUCTION PROGRAM FOR FIRST YEAR BE STUDENTS

2022-23 BATCH

DEPARTMENT OF APPLIED SCIENCES

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Total number of days	22
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Introduction

Education plays a vital role in a Country's progress. The conventional pattern of attending the classes passively and focusing on just good grades in the examinations is treated as an obsolete exercise in today's world. 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 and traits hidden in them. It is believed that the inherent talent and core competency should come together to make education meaningful, holistic, productive and fulfilling. The aim of an engineering college is not just to make competent engineers, in addition to it to groom knowledgeable and well cultured graduates, fit to radiate the fragrance of their learning among people of our Country.

In this direction, Induction program is an effort for integrating new student into the Institution by giving her/him basic information necessary for settling down quickly and work for her/his academic success by adjusting their interests with those of the Institution.

In this regard as per the guidelines of AICTE and Visvesvaraya Technological University the mandatory 3 Weeks Induction Program was conducted for first semester students of the Academic year 2022-23. The details of the activities conducted and outcomes of the Induction program is presented in this report.

About the Induction Program

Transition from school to college life is one of the most challenging events in a students' life. When students enter an institution, they come with diverse thoughts, backgrounds and preparations. They come into a new unfamiliar environment, and many of them have little knowledge of about the institution. Student Induction program is designed to welcome new students to Higher Education and prepare them for their new role.

Purpose of Student Induction Programme is to

- 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 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.
- Help new students adjust and feel comfortable in the new environment
- Inculcate in them the ethos and culture of the institution
- Help them build bonds with other students and faculty members and
- Expose them to a sense of larger purpose and self-exploration.

At New Horizon College of Engineering, student Induction Programme is planned as soon as the first semester commences, before starting the regular classes as per the guidelines given by AICTE and VTU.

Students Induction program cover various aspects such as

- **Socializing:** Meeting other new students, senior students
- **Associating:** visits to all departments, Programme of study & important places on campus
- **Governing:** rules and regulations, student support
- **Experiencing:** Subject lectures, study skills, small-group activities, physical activity, creative and performing arts, literary activities, universal human values, etc.

List of activities conducted in student induction program are:

- 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

- Mentoring

Orientation Program



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ORIENTATION PROGRAM FOR I YEAR BE (2022-23)

ALL ARE CORDIALLY INVITED

- ▶ **Morning Session : 10:00 AM**
AI & ML, CE, ME & CSE
- ▶ **Afternoon Session : 2:00 PM**
ECE, EEE, ISE & CSE-DS

PROGRAM SCHEDULE

- ▶ Invocation Song
- ▶ Lighting of Lamp
- ▶ Welcome Address by the Dean Academics/QASDC
- ▶ NEP@NHCE by the Principal
- ▶ Career Avenues by the ED - HRD
- ▶ 1 year Academics by HoD-Physics/Chemistry
- ▶ National anthem

10th October 2022 New Horizon Auditorium



An 'Orientation Programme' was organized on Day 1 of induction program to welcome the first-year students who were admitted to Engineering program at the institute premises (on 10/10/2022), where students and parents were welcomed by the Management and Principal of New Horizon College of Engineering. The objective of the Programme was to make the parents and students aware of the academic aspects of the course, the rules and regulations of the Institute and ensuring parental participation in monitoring the performance and progress of the students. I year HODs Dr. Revathi V and Dr. Anusuya appraised students about the information required for the students. Also, students were informed about their sections and the schedule for the induction program was handed over to them. The importance of conducting the Induction program was explained to the students and parents.

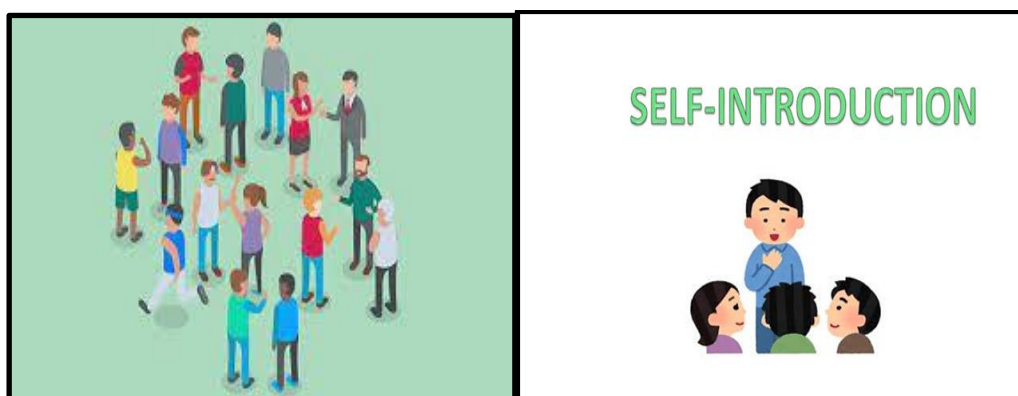


Program: Universal Human Values –I – Day 1 to Day 21

Topic 1: Welcome and Introduction

The primary goal of including UHV in the induction programme is to help students see the need of acquiring a holistic view on life and to make them aware of the breadth of existence as an individual, in a family, in society, and in nature. Additionally, it aims to improve self-reflection.

Break the Ice



The HoD addressed the classes first regarding the UHV – 1 session, and the class teachers afterwards took over to facilitate the welcome and introduction sessions. All the modules of UHV – 1 was conducted in class by the respective class teachers during the first three weeks of induction program.

To make the pupils feel at ease, faculty members first introduced themselves to the students. The UHV trained faculty members of our institution conducted the first session break the ice. The art of introducing to the peer group was told to them and the students introduced to each other by telling their name, place from where they are coming, their passion, hobby, role model and their goal. Each student was given 3 minutes to speak and this session went on for a week in the classroom environment. This introductory session played an important role as everyone got to know about their peers. They were given confidence and informed about the mentorship function of teachers by the faculty. The students were also encouraged to introduce as many of their fellow classmates as possible by rewarding those who succeeded in doing so. This improved their understanding of their peers.

Aspirations and Concerns

Following the self-introduction exercise, students were given the assignment listed below, which encourages them to consider their goals and any concerns they may have. This allows them to address any issues that may be getting in the way of their objectives.

Assignment 1 (Topic- Aspirations and Concerns)

Students were asked to :

- i. Make a list of aspirations,
- ii. Make a list of concerns, fears, confusions, questions, regarding your goals/aspirations etc

The counselling section is introduced to the students. They were offered the assurance that they may meet personally with a counsellor if they felt like speaking with one if they wanted to. They can speak with the counsellor privately using the completed ambition and worry form to explore how to get through any fear or confusion that stands in the way of their goals.

This session took one week to complete a class of 60 students. It was handled parallelly for all I year students in their classroom. At the end of the session second assignment was handed over to the students which lays the foundation for the discussion on managing the situations and self with unexpected outcomes in life.

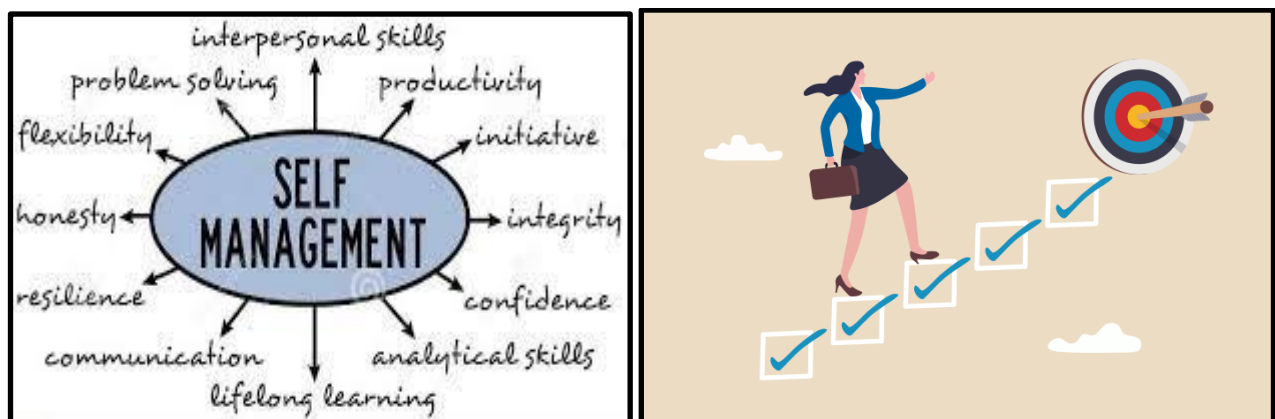
Assignment 2 (Topic- Aspirations and Concerns)

Write your conclusions / takeaways from the exploration in this session. Specifically, about the following points:

- Is your basic aspiration really happiness and prosperity? What is your perspective about happiness? And about prosperity?
- Reflect on your response or reaction to situations where your favorite path to what you assumed to be your goal was closed. Write down one related incident from your life.

Self-Management

Self-management is the ability to manage one's behaviours, thoughts, and emotions in a conscious and productive way. Self-management means you understand your personal responsibility in different aspects of your life, and you do what you need to fulfil that responsibility. It is important for the students who are in the adolescent stage to learn to manage themselves in the right way. It is essential to keep the young minds active and facilitate them to set the goal, make a plan to achieve it, work on the plan, self-assess to make sure the plan is rightly executed and correct if any deviations and finally reach the goal.



Snippets from Assignment 2 were taken and further highlighted from that perspective how self-management is important in terms of

- Self-confidence
- Peer pressure
- Time management
- Anger
- Stress
- Personality development, self-improvement

This also highlighted the peer pressure in setting goals which is a common concern. This is further extrapolated in academic settings where many of the new students have come out of their home

environment for the first time. From the discipline of the family, they have to rely on their own discipline or go with the discipline (or indiscipline) prevailing in the hostel and college. To fit into the new environment, many students adopt to its culture. In the process of managing peer pressure, individual response of coping-adopting, arbitrariness and right understanding was explained through a session from Dr Aravinda on Day 11 and Day 12.

Program- Universal Human Values- Motivational Talk – Dr. Aravinda

As a part of the Induction Program on 12.10.2022, Dr Aravinda, Professor and Head of the Electronics and Communication Engineering Department gave a talk on ‘Universal Human Values’.

The session started off with questioning ‘How do you obtain knowledge?’ and ‘What are the sources of knowledge?’, to which Dr Aravinda skilfully explained there are two sources of knowledge external and internal. External sources of knowledge include books and teachers, and internal sources of knowledge include intellect and intuition.

Dr Aravinda recited a beautiful Sanskrit Shloka:

आचार्यात् पादमादत्ते पादं शिष्यः स्वमेधया ।
सब्रह्मचारिभ्यः पादं पादं कालक्रमेण च ॥

One fourth from the teacher, one fourth from own intelligence,

One fourth from classmates, and one fourth only with time.

He also illustrated that learning attitude is an affective domain; learning skill is an experiential domain and knowledge is a cognitive domain.

He referenced the famous Arabian quote:

“He who knows not,
and knows not that he knows not,
is a fool; shun him.

He who knows not,
and knows that he knows not,

is a student; Teach him.

He who knows,

and knows not that he knows,

is asleep; Wake him.

He who knows,

and knows that he knows,

is Wise; Follow him.”

Dr Aravinda brilliantly utilized many exciting Abbreviations to explain to the students about human values and life lessons.

Some include:

SUCCESS – **S**tudy the basics; **U**nderstand the concepts; **C**reate your own methodologies; **C**ultivate the habit of learning; **E**ducate yourself and friends; **S**pecialize in a particular area; **S**ponsor people alike.

GOAL – **G**aining **O**verall **A**chievement in **L**ife

FATE – **F**aith **A**ctions **T**houghts **E**nvironment

TEAM – **T**ogether **E**veryone **A**chieves **M**ore

LUCK – **L**abour **U**nder **C**orrect **K**nowledge

TIME – **T**he **I**nfinite **M**oment of **E**nergy

SOUL – **S**ource **O**f **U**nconditional **L**ove

MIND – **M**ove **I**nward **N**ow **D**iscover

LIFE – **L**iving **I**n **F**urther **E**volution

BODY – **B**irth **O**f **D**ivine **Y**ou

Dr Aravinda further spoke about the 6 internal enemies of one self – Kama (Desire), Krodha (Anger), Lobha (Greed), Moha (Delusory emotional attachment), Mada (Pride), Matsarya (Jealousy) and how it destroys us and the people around us.

He also spoke about the importance of adequate exercise, proper breathing, correct food, optimum rest and a pure mind. Sir also described Ikigai Principle: Japanese Secret to Long and Happy Life.

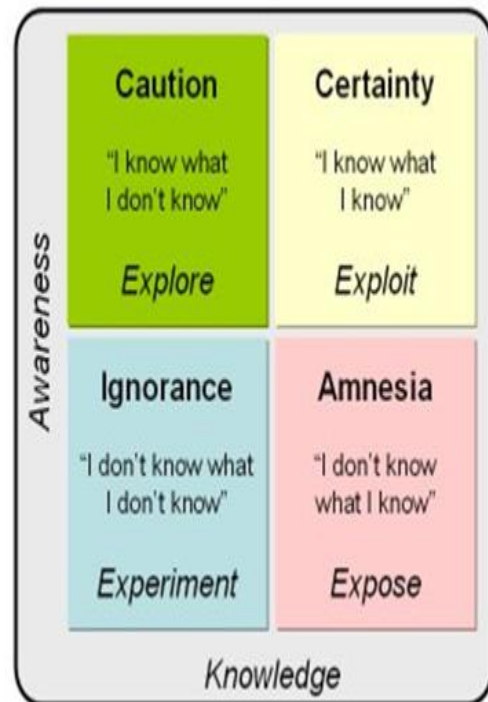
Dr Aravinda concluded this information filled and life-changing talk by quoting – ‘Life does not get better by chance; it gets better by choice.’

The students gained a new understanding of life and motivation to be a good human.

GLIMPSES FROM DR. ARAVINDA’S PRESENTATION

IF YOU KEEP DOING WHATEVER YOU HAVE BEEN DOING, YOU WILL KEEP GETTING WHATEVER YOU HAVE BEEN GETTING.

IF YOU KEEP DOING WHATEVER OTHERS ARE DOING, YOU WILL KEEP GETTING WHATEVER OTHERS ARE GETTING.



THREE STAGES OF SUCCESS

Stage	Phase	Effort	Process
Initial	Exciting	Daring	Learning
Middle	Testing	Desperate	Practicing
Final	Perfecting	Determined	Training

- **Study the basics**
- **Understand the concepts**
- **Create the methodologies**
- **Cultivate the habits of learning**
- **Educate yourself and friends**
- **Specialize in particular area**
- **Sponsor people alike**

- **GOAL: Gaining Overall Achievement in Life.**
(Personal, Relational, Professional, Social, Intellectual, Spiritual)
- **FATE: Faith, Actions, Thoughts, Environment.**
- **TEAM: Together Everyone Achieves More.**
- **LUCK: Labor Under Correct Knowledge.**

TIME = The Infinite Movement of Energy

- **If you pass the time, you will get failed by the time.**
- **If you waste the time, you will get wasted by the time.**



Health



Loss of time due to ill health has become a major issue today. The students were encouraged to add "to be healthy" in the list of aspirations and concerns made in the previous sessions. To highlight the loss of time due to ill health and to keep themselves fit mentally and physically, sessions of Yoga and physical fitness were arranged for I year BE students, between Day 2 to Day 21.

Program: Health – HAR GHAR DHYAN

Meditation as a solution for positive mental Health

Meditation has been practiced for thousands of years. Meditation originally was meant to help deepen understanding of the sacred and mystical forces of life. These days, meditation is commonly used for relaxation and stress reduction.

Meditation is considered a type of mind-body complementary medicine. Meditation can produce a deep state of relaxation and a tranquil mind.

During meditation, you focus your attention and eliminate the stream of jumbled thoughts that may be crowding your mind and causing stress. This process may result in enhanced physical and emotional well-being.

Meditation can give you a sense of calm, peace and balance that can benefit both your emotional well-being and your overall health. You can also use it to relax and cope with stress by refocusing your attention on something calming. Meditation can help you learn to stay centered and keep inner peace.

And these benefits don't end when your meditation session ends. Meditation can help carry you more calmly through your day. And meditation may help you manage symptoms of certain medical conditions.

To make our students realize the power of meditation NHCE has organized HAR GHAR DHYAN, an initiative of UGC by calling experts from Art of Living. Dr. Ravi and Major. Shubhra, members of Art of Living guided the students through structured program and taught them the art of relaxing and meditation. They connected Meditation to emotional and physical well-being very nicely. Students took part actively in all the sessions.

The experts quoted the following:

When you meditate, you may clear away the information overload that builds up every day and contributes to your stress.

The emotional and physical benefits of meditation can include:

- Gaining a new perspective on stressful situations
- Building skills to manage your stress
- Increasing self-awareness
- Focusing on the present
- Reducing negative emotions
- Increasing imagination and creativity
- Increasing patience and tolerance
- Lowering resting heart rate
- Lowering resting blood pressure
- Improving sleep quality





Program: Health – Physical Fitness (Yoga)

Since, Pranayama is the ancient practice of controlling breath. You control the timing, duration, and frequency of every breath and hold. The goal of pranayama is to connect your body and mind. It also supplies your body with oxygen while removing toxins. This is meant to provide healing physiological benefits. The benefits of pranayama have been extensively researched. According to scientific studies, pranayama may benefit our health in a variety of different ways like, decreases stress, improves sleep quality, increases mindfulness, reduces high blood pressure, improves lung function and Enhances cognitive performance.

As a part of induction program UHV Module 1, the department of Applied Sciences organized a yoga session on “Yoga for mindfulness” for all the first-year students. Resource persons were Dr. Suma T, M.Sc. in Yoga therapy from SVYASA university, Bengaluru. The session 1 was divided into two sub – parts. First part was theoretical session handled by Dr. Suma T, in this session a detailed information about pranayama, meditation and its benefits were explained. Second part was practical session in which she demonstrated the practice of pranayama namely Anuloma, villoma, pranayama,

Bhastrika, Kapalabhati and Brahmari pranayama and also made students to practice. Students session was handled every day in the morning from Day 2 to Day 21.

The sessions were very much useful for the students since a few minutes of Yoga during the day can be a great way to get rid of stress that accumulates daily, in both, body and the mind. The sessions ended with the shanti mantra “Sarve Bhavattu Sukhinaha”. Students were advised to continue practicing yoga every day for few minutes, to keep themselves active throughout the day.



Program: Health – Physical Fitness (Aerobics, Indoor & Outdoor Games)

Physical activities like aerobics, indoor and outdoor games were held on all the days between 3pm – 4pm every day during induction session. Students were asked to enroll and participate for these everyday activities based on their interest and attendance was monitored by the faculty in charge. Mr. Vinay, Physical Education Director of NHCE, had an interaction with I year BE students regarding the various facilities and opportunities available. He listed out the various possibilities and fields in which coaching is offered and also explained the students the sports policy followed by NHCE. Students were encouraged to participate in the sports actively and were also told to balance between academics and sports activities.





As a part of induction program, sports activities and physical fitness were organized for I year BE students. Students had a wonderful opportunity to explore the wonderful sports facilities available in the NHCE Campus in the presence of our honorable chairman. As they got to witness our valuable sports team who inspired them to follow passion and message of “when you lose is when you win” was conveyed.



Topic 5: Relationships

We are born in a family and are part of a family, where we are nurtured and developed from childhood, cared for in sickness and in old age. It is where we start learning to interact with other human beings, to share and to care. It is the place where we start becoming aware of relationships.

Every relationship name has an associated feeling which becomes more and more enriched as we interact. The family is the basic unit or building block of human organisation. It extends beyond the blood relationships – to friends, classmates and teachers in school, and now batchmates and faculty in college. How do we want to live with them? With mutual fulfilment, mutual happiness or some other way? In order to fulfil a relationship, it is necessary to understand the relationship.

Gratitude is the feeling of acceptance for those who have made the effort for my excellence. It is the feeling for all those who have helped me, in any way, in my own effort to achieve excellence. In our life, there may be so many people who have been of help to us and we have this feeling of gratitude for them. Particularly in the family, we can see such people. We can see that the parents and others have affectionately brought us up, provided us with necessary physical facility to nurture and protect our body. The possibility of continuity of the feeling of gratitude is there for effort made at the level of the Self. To make the students able to see that a very large number of people are directly or indirectly helping them for their growth (development) and to develop a feeling of gratitude for them a home assignment was given to the students

Home Assignment:

1. Make a list of people in your family, in the college and in the larger society who are directly and indirectly responsible to fulfill your needs.
2. What is your feeling for them, what is your interaction with them, what is your contribution (in terms of understanding, feeling and physical facility) to them?

Topic 6: Society



We saw that the family is the basic unit or building block of human organization. The society is the next larger order. Society is composed of many families living together making collective effort for a common goal. we want the upcoming generations (students) to explore the goal of human being living in society, the systems required for it as well as the scope of these systems. In this regard many activities are conducted during induction sessions helping the students explore different societal aspects.

Further following home assignments were given to students which helps them ascertain the role of society in one's life and the importance of their contribution to the societal goals.

Home Assignments:

1. How do you want to live in your institution / hostel?

- With a common goal and a common program of action; and everyone in the does a part of the common program

- With everyone having their own goals and own programs Make a “code of conduct” for your hostel which will help everyone in the hostel to realise the common hostel goal.
2. Today, there is struggle, competition... terrorism and war. Make a list of these problems. Are these natural phenomena or due to lack of understanding in human being? What can be done to address to the problems about it in your hostel?
 3. Explore common goals as a family, common goals as an educational institution.

Topic 7: Natural Environment



As individual human beings, we want to live with happiness and prosperity in continuity. Nature is the collection of all the units – the air, soil, water, plants, trees, animals, birds, other human beings and even things that are at a distant from us like the sun, the moon, the other planets, etc. By activities related to this in induction program, students are able to see that human being needs to develop right understanding of the harmony in nature to maintain the harmony.

Topic 8: Sum Up

The students of I year BE have attended 21 days of Induction program, conducted as per the guidelines issued by VTU and AICTE. UHV-1 was well received by the students. They have taken oath to follow the Yoga and physical exercise session every day. To keep themselves happy they need to make sure others are also happy. During the 21-day program they were groomed to have self-consciousness which will soon reflect on the society.

The students were introduced to their mentors. Mentor-Mentee interaction happened in group session, followed by the individual sessions. The mentors addressed the mentees to meet them for any sort of help. Cross mentoring was also encouraged, where a student can be mentored by his/her friend for any academic clarifications if necessary. Peer group evaluation was taught to the students and slow learners were encouraged to take part in group activities where the group comprises of a mixture of fast and slow learners. The learning tendency was inculcated in slow learners and helping tendency in fast learners.

The students were asked to self-evaluate on the transformation experienced by them after undergoing the UHV-1 for 21 days. How their perception towards self, family, society and environment have taken a new turn after the program was summarized by students as assignment.

They were also asked to spread the values they have learnt to their siblings and peers. They were asked to take good care of their health by following healthy practices as taught in UHV -1.

Feedback was taken from all students regarding the Induction program. Link and analysis is attached in the report.

Program: Familiarization with Departments

The most significant part of the induction program was familiarization with the department. This was done class-wise by the faculty members on Day 2 of induction program. The students were taken for a campus tour and introduced to various academic and non-academic departments.

The students were detailed about the department, institution, facilities, Who's Who, rules and regulations, examinations and Timetable. They were taken through campus to show various Industry sponsored labs, library, sports facilities, indoor and outdoor gym. Students were told to refer Academic rules and regulations which is put up on the website <https://newhorizonindia.edu/nhengineering/academic-rules-regulations/#>. Syllabus book for I year is handed over to them and the soft copy can be referred in web link <https://newhorizon-bsh.s3.ap-south-1.amazonaws.com/nhengineering/bsh/wp-content/uploads/2023/02/15110826/I-BE-syllabus-22-23-19.01.23.pdf>



Program: Implementation of NEP@NHCE

National Education Policy 2020 is the first education policy of the 21st century and aims to address the many growing developmental imperatives of our country. This Policy proposes the revision and revamping of all aspects of the education structure. NHCE which is autonomous institution affiliated to VTU takes pride in introducing NEP to the fresh batch of students from the A.Y 2021-22 as per the directions and guidelines issued by VTU. Department of Applied Sciences organized a session on “Implementation of NEP@NHCE” for its I year BE students of 2022-23 batch, at New Horizon auditorium. The session was addressed by our principal Dr. Manjunatha. He addressed the students on the salient features of NEP 2020 and the initiative taken by NHCE. Students were detailed about the mandatory internships at the end of each academic year, earning of Hons. Degree, activity points and Ability Enhancement Courses. Students’ participation was overwhelming during the session.



Dean Academics Dr. Anandhi R J, highlighted the academic changes brought in by the introduction of NEP. The salient points she highlighted were the introduction of Emerging Technology courses

(ETC), Engineering Science Courses (ESC), Programming Language Courses (PLC) in addition to the branch specific Basic science courses such as Physics, Chemistry and mathematics. Also, the introduction of Innovation and Design thinking courses in the I year level was highlighted. She also spoke about the Industry connect labs at the institution and how the electives were offered to the students in these Industry Labs.



After the NEP workshop, we tried to get the ideas from students on what they understood by NEP 2020. We organized competition based on the same. Good number of students participated in the competitions. The students have showcased their ideas through Essay writing, paintings, Posters and presentations. The competitions also boosted their self-confidence and their knowledge on NEP 2020. Dr. Sowmya Narayanan, Head CLSLLL judged the student's activities. She encouraged and appreciated the students who have taken part in the competitions.





Essay writing, paintings, Posters and presentations Competitions on National Educational Policy 2020 held on 14.12.2022

Program: Indian Constitution and Legal Awareness for students

As a part of Induction Program, the I year BE students who are majority of first-time voters, were introduced to Indian constitutional rights by professor. Ashok Kumar of Kristu Jayanti College. He gave an awareness to the students regarding the various rights in our constitution. He also warned the students about various unlawful activities that they should not indulge and if so, what are the repercussions to be faced. The Q&A session was very good and the speaker answered all the queries of the students.





Program: Co-Curricular & Extra-Curricular Activities

Applied Sciences department did the orientation of their clubs GENESIS and MATH to the students of 2022-23 batch. The main aim of this event was to make sure that the students get the accurate information regarding the club and also make them realize the importance of clubs in the Department of Applied Sciences. They were highlighted the advantages of participating in club events. A cultural event which included instrumental performance, song, beat boxing etc were put up to the students. During this event the outgoing faculty co-coordinators of the club were thanked for their immense support and co-operation throughout the year. This event was a memorable for one for all the previous club members to cherish their memories that they have shared with each other throughout the year. All the three HODs of Applied Sciences, spoke about the club and shared the importance of the club activities to the first-year students. A good encouragement was given to the students and those who are interested to lead the club were asked to meet the club coordinators.

A Talent Show was performed by the I year BE students. Students voluntarily came forward to exhibit their talents. This also come as a part of Self-Realization and students were encouraged to overcome

the stage fear by their faculty members and counselors. The session continued for the next day as the students came forward in more number to exhibit their talents in various fields like singing, dancing, beat boxing, drama, acting, debating, drawing, painting etc

GLIMPSES OF TALENT SHOW BY I YEAR BE STUDENTS

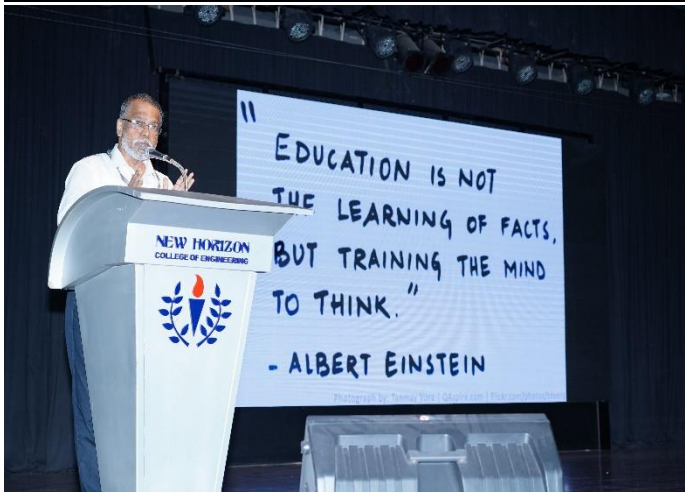
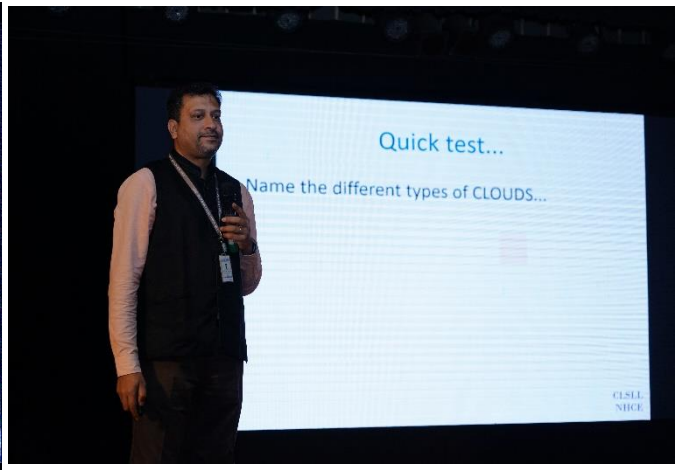




Program: Literary Activity Module: Communication Skill

As a part of student induction program, department of CLSLL of NHCE conducted a session “Importance of communication skill” as a part of the induction program. The session was very interactive and quite fun and exciting. The speakers with their presentations and the interactions with the audience made it very interesting. The main takeaways from the session were that to survive in today’s world, it is not enough to just have the knowledge. The way you present and communicate is crucial. For communicating with people, certain skills are required, such as writing, reading, listening and speaking. If these skills are cultivated among us then it is pretty much a guarantee for proper and clear communication.

Communication is the real work of leadership. It is a skill which can be achieved easily if the necessary work is done by us. Dr. Sowmya Narayanan with her team made sure that the session was completely interactive.



Program: Career Avenues

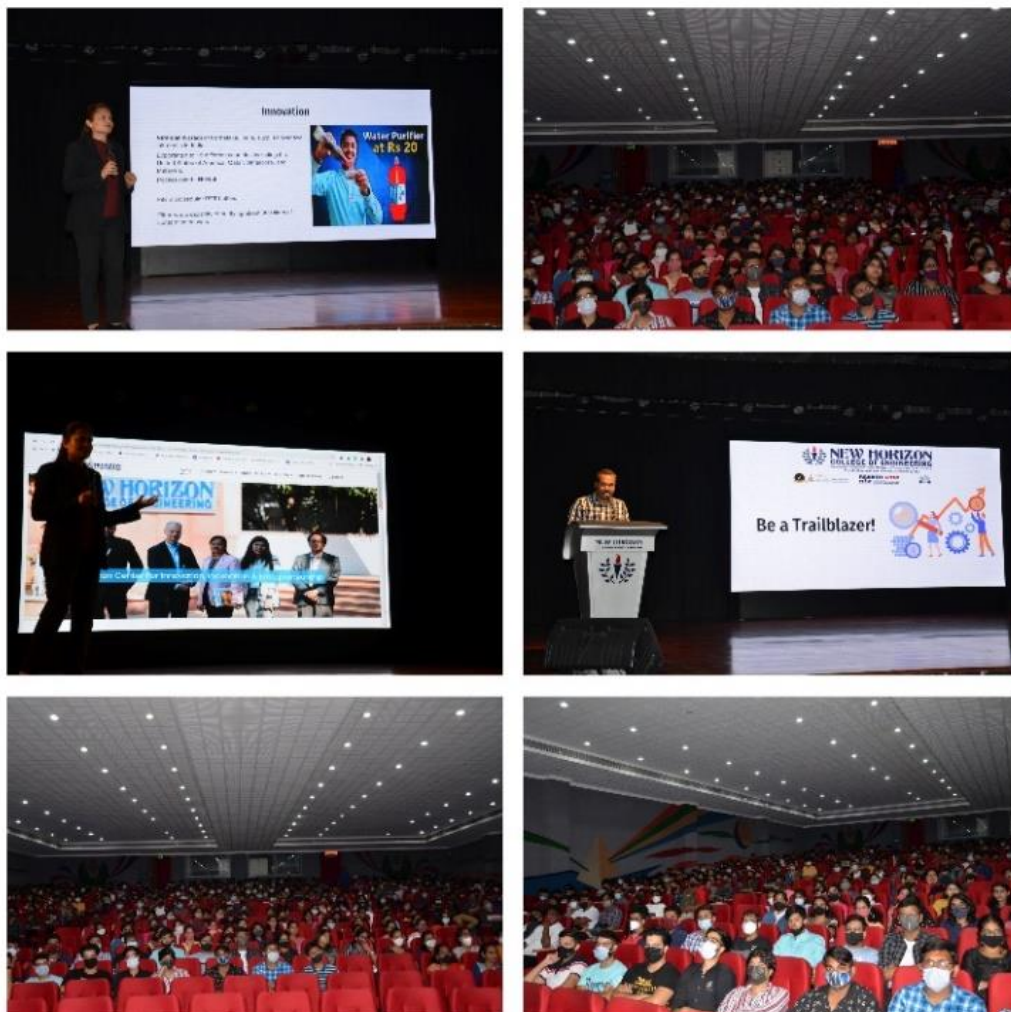
The mission at New Horizon College of Engineering is to provide able engineers and business managers who are equipped with life skills, such as providing solutions to complex problems, re-engineering processes and adding value to businesses. The I year BE students of New Horizon College of Engineering, had so many questions about the placement opportunities for their program of study. To clarify and to give a detailed information about the Human Resource Development @ NHCE, from the department of HRD, Mr. Binod addressed the students about the career Avenues. He detailed about the placement training at the institution, promotion of brand ambassadors right from I year of BE, helping the students to ace in their competitive exams and various other facilities offered by the department of HRD assuring students about their bright future which left with the satisfaction of picking the right college.



Program: Entrepreneurship Development Cell Initiative Udaan

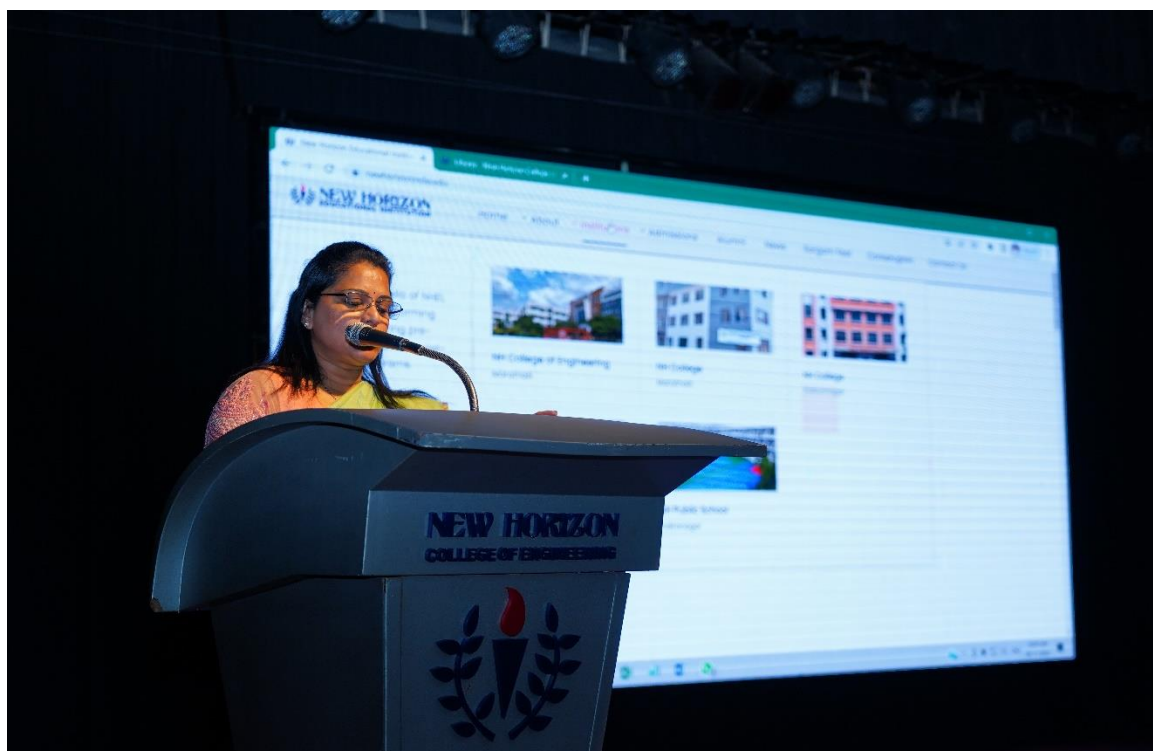
India needs more employers than employees for its rapid growth and development. This can be achieved by giving a seed of thought to the young minds on to how to become an Entrepreneur.

Dr. Sheelan Mishra, Head – Management Studies & Entrepreneurship Development Cell of New Horizon College of Engineering conducted a session for the young to be Engineers. The session started with a welcome note by Dr. Prashanth KS. Dr Sheelan Mishra gave a presentation on entrepreneurship where she addressed the students about entrepreneurship, the key points being why people don't want to pursue their dreams of becoming an entrepreneur and how it is a myth. Following this, ma'am gave us examples of 'NirNal' and 'Bullet Tractor' which gave us ideas about innovations. Dr Sheelan Misra also encouraged and guided the students on how to join the ED cell and about the Udaan program, an initiative by NHEI to encourage the budding entrepreneurs.



Program: Library Orientation

The new entrants of Bachelor of Engineering program were introduced to the Library & Information Centre facilities by Dr. Anitha S Rai, Dean– Library & Alumni Relations. The students were given orientation on how to access the Library facilities and informed about all the facilities available in the center. The online access of the e -journals and books were explained to them.



Program: Proficiency Module: Mathematical modelling for Engineers

A seminar was held to commemorate the birth anniversary of the great Indian Mathematician, Srinivasa Ramanujan. The students were highly enthusiastic and came away with a much better understanding regarding the beauty of mathematics. The organized seminar was based on the topic 'Mathematical Modelling for Engineers' by the esteemed Dr. Indrani Pramod Kelkar, Subject Admin, Engineer and Basic Sciences- TCS iON, Mumbai.

Dr. Indrani started off the seminar with a fun introduction to mathematics with Ramanujan's Magic Square, as well as a fun activity that involved making one's own birth date magic square.

Explaining the different mathematical models, she elaborated on Empirical and Theoretical models as well. The characteristics of mathematical models were explained, along with the definition and usages. The seminar was highly informative as well as interesting due to the explanations and the creative ways implemented to teach them in an inclusive manner.

With the understanding of mathematical models as well as the advantages of it, the seminar covered everything the students were inquisitive about in a captivating manner. It also implemented mathematical modeling in aircraft design and other such processes, while also characterizing and giving them a better understanding of the different types of models.

The seminar was fun-filled as well as highly informative, shining a new light on the topic of mathematics towards curious minds

NEW HORIZON
COLLEGE OF ENGINEERING
Department of Applied Sciences
in association with
Genesis
INSTITUTION'S INNOVATION COUNCIL
New Horizon

National Mathematics Day
on the Birth Anniversary of
Srinivasa Ramanujan
Indian Mathematician

Organizing Guest Talk
on
Mathematical Modelling for Engineers
on
the occasion of National Mathematics Day

SPEAKER
Dr. Indrani Pramod Kelkar
Subject Admin, Engineering and Basic Sciences
TCS iON, Mumbai

22nd December 2022 | 11:00 A.M. - 12:00 P.M. | Chanakya Seminar Hall

Organizers
HODs of Applied sciences | Dr. Manjunatha
Principal, NIIE | Faculty and Student
Club Coordinators



Program: Co-curricular Activity



The event conducted on the 22nd of December for National Mathematics Day held a competition with a twist of artistic talent imbibed in the spirit of mathematics. The competition involved drawings and sketches of Indian Mathematician, Srinivasa Ramanujan to mark his birthday anniversary. Brilliantly showcasing the internal beauty that math possesses through art, it was a successfully held competition that involved more than 40 participants throughout the batch.

The students were enthusiastic, and the artworks were immaculate- giving one another a hard competition.

The winners of the competition are as follows:

- 1st Place- Yashas Shetty
- 2nd Place- Vishrutha C
- 3rd Place- Aditya Menon

Visit to diFACTO: Students of I year BE were taken in batches for an Industrial Visit to diFacto, as a part of the proficiency module in induction program. In a batch 40 students were there and the I year students were taken in various batches to know about the robotics and automation.



NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF APPLIED SCIENCES
Mentors Allotment

Sl. No.	Section	Mentor Name	Mentees Roll no
1	A	Dr.B Rohini	A01-A27
2		Mr.Avinash N J	A28-A42
3		Ms.Indrani Medhi	A43-A54
4		Ms.Serin Issac	A55-A64
5	B	Dr.Ramachandra Naik	B01-B27
6		Mr.Devranjan Chatterjee	B28-B52
7		Ms.Veeresh G	B53-B63
8	C	Ms. Rashi Kubnani	C01-C27
9		Mr.Rahul. N.K	C28-C54
10	D	Dr.Bhavya P	D01-D27
11		Dr.Revathi R P	D28-D37
		Dr.Sunil	D38-D55
12		Ms. Salna Joy	D56-D66
13	E	Mr.Sudhir patel	E01-E27
14		Mr.Avinash N J	E28-E40
15		Mr.Raghu Tilak Reddy	E41-E50
16		Ms.Snehal R L	E51-E60
17	F	Dr.K S Prashanth	F01-F30
18		Ms.Snehal R L	F31-F35
19		Ms.Kavitha A patil	F36-F52
20		Ms.Suneetha V	F53-F64
21	G	Dr.Jisha P K	G01-G20
22		Mr.Richard Nathaniel	G21-G45
23		Ms.Baby Chitra R	G46-G62
24	H	Dr.Dhanalakshmi	H01-H27
25		Mr.Rakesh	H28-H43
26		Ms.Serin Issac	H44-H58
27		Ms.Salna Joy	H59-H63
28	I	Ms.Tarunika Sharma	I01-I27
29		Dr.Revathi R P	I28-I38
30		Mr.Sabarinath	I39-I46
31	J	Dr.Srinivasa G	J01-J12
		Mr.Raghu Tilak Reddy	J13-J27
32		Dr.Ashok Kumar	J28-J38
33		Dr.Revathi R P	J39-J47

Sample of feedback questionnaires for the Induction program

Please choose the scale from 5 to 1 for each questionnaire --- 5 being very well accomplished to 1 being needs improvement

Orientation and Introduction session was helpful in breaking the ice of new environment for the students *

Mark only one oval.

- 1
- 2
- 3
- 4
- 5

Students were able to appreciate the practicability of session on self management, better coping-adopting techniques and handle peer pressure *

Mark only one oval.

- 1
- 2
- 3
- 4
- 5

Students are motivated to follow physical fitness regime to improve the quality of life *

Mark only one oval.

- 1
- 2
- 3
- 4
- 5

Students were able to see that a very large number of people are directly or indirectly helping them for their growth (development) and the Relationship and Zeal session helped them to develop a feeling of gratitude towards them *

Mark only one oval.

1

2

3

4

5

Induction program was well structured and efficiently executed *

Mark only one oval.

1

2

3

4

5

Content of the Induction program was insightful and an eye-opener towards the importance of developing Universal Human Values *

Mark only one oval.

1

2

3

4

5

Summarization of sessions and the total sum up of induction program was meaningful *

Mark only one oval.

1

2

3

4

5

Suggestions if any

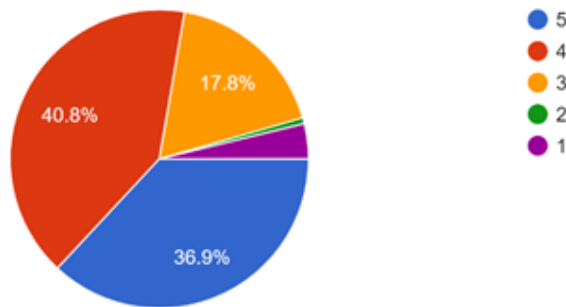
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Google Forms

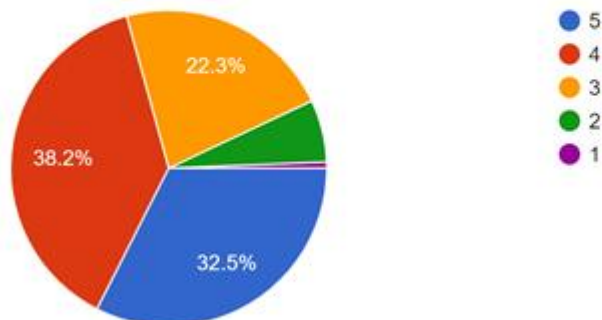
Feedback report analysis

Feedback form was circulated to students and the data received was analyzed for improvements that can be incorporated in the induction program for the next batch of students.

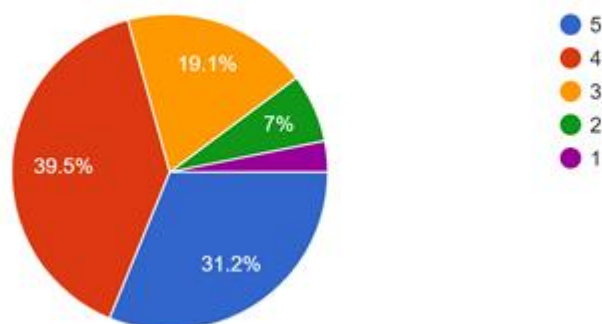
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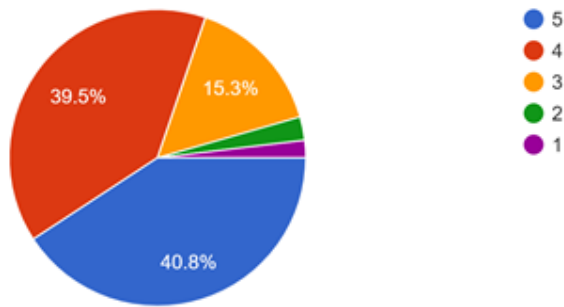
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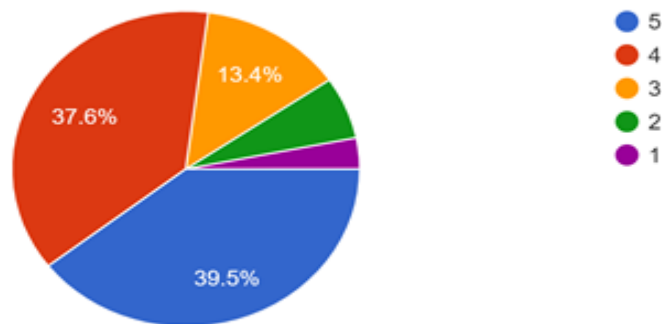
Students are motivated to follow physical fitness regime to improve the quality of life



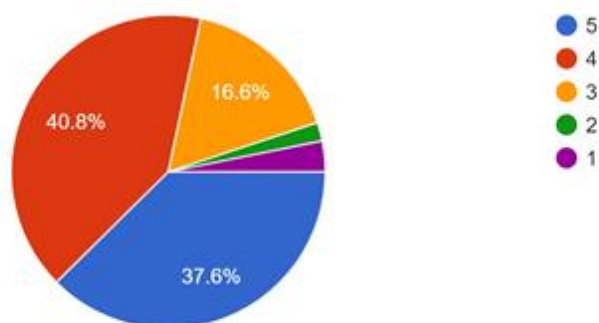
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Summarization of sessions and the total sum up of induction program was meaningful

