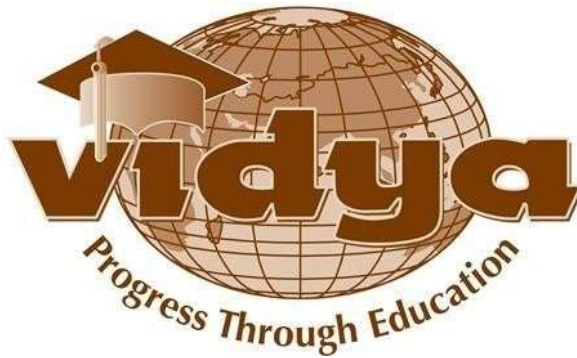


VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS

(Accredited by NAAC with B++ Grade)

Approved by AICTE | Affiliated to APJ Abdul Kalam Technological University,
Malakkal P.O., Kilimanoor, Thiruvananthapuram, Kerala – 695 602.



A Report on

INDUCTION PROGRAM 2024

Conducted on

9th to 13th of September 2024

Report Prepared by

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Assistant Professor

Department of CSE

VAST TC

Induction Program for the B. Tech First Year Students of 2024 - 2028 Batch

Vidya Academy of Science & Technology Technical Campus, Kilimanoor organized an Induction Program for first year students on 09/09/2024, 10/09/2024, 11/09/2024, 12/09/2024 and 13/09/2024. The program was planned to let the students know more about KTU and our college, to engage them through academic and non-academic activities, and to improve their skills and self- confidence. The syllabus for the induction program was framed as per the AICTE and KTU norms.

The responsibilities of the whole event were split as under:

Advisor	
Dr. K.Sargunan	
Program Coordinators	
Mr.Lenin Babu S & Ms.Vindhya Vijayan	
Batch Advisors	
Batch A	Ms.Rini Madhavan Rajeev Mr.Avinash
Batch B	Ms.Ansha Shakker Mr.Midhun
Batch C	Ms.Bhavya Mr.Rahul Raj
Department Coordinators	CE Ms.Midhila
	ECE Ms.Sreejitha
	ME Mr.Gokul Biju
	CSE Ms.Rejin Money

The Time Table of the Induction Program, the list of faculty handling or in-charge of the sessions were shown below:

Sl.No.	SUBJECT	Event Coordinators	Team Members
1	Talk Sessions & Inauguration Session	Avinash G S	Anjali Saji Bhavya V
2	Craft Creations	Adithya G S	Sree Lakshmi Ajeena H Veena Prasad
3	CreateCon-Product Design / Team for Technical Projects (TTP)	HOD (AS) Sreejitha S G Athulya	Nithin A V Lekshmy S Unnkrishnan Apsana Arjun Mohanlal
4	Yoga	Ms.Anjana N Jijeesh	Sansya Vijayan Dhanya S Shahana A H Sajith Krishnan
5	Onam Celebration	Midhun S S	Midhila M Gouri L R Jijeesh Sekhar
6	Library	Anchu E S	Pooja M Vijay Seenamole
7	ISRO VSSC Visit	SajeerA	Anjala S S Rejin money Ashily M Baby Naveen B
9	Sports	Gokul Biju Jijeesh	Sajeer, Gouri Adheena Jisha Raj Abhijith Arun
10	Placement Talk Session by Placement Officer	Beena V R	Aswini Dutt Nayana Gopan

BATCH A (Room No: SB 803)

Advisors: Ms.Rini Madhavan Rajeev, Mr.Avinash

BATCH A	I	II	III	IV	V
	9.00-10.00	10.00-11.00	11.10-12.10	1.00-2.30	2.30-4.00
09/09/2024, Monday	Crafty Creations	Library Session	Talk Session - Principal	CreateCon/TTP	Sports
10/09/2024, Tuesday	Inauguration by Dr.R Bindu, Hon'ble Minister for Higher Education and Social Justice (KTU)		Yoga	Talk Sessions - Organized by AD	
11/09/2024, Wednesday	ISRO VSSC Visit				
12/09/2024, Thursday	Talk Session - HOD (AS)		CreateCon/TTP		Talk Session- Placement
13/09/2024, Friday	Onam Celebrations				

BATCH B (Room No: SB 804)

Advisors: Ms.Ansha Shakker, Mr.Midhun

BATCH B	I	II	III	IV	V
	9.00-10.00	10.00-11.00	11.10-12.10	1.00-2.30	2.30-4.00
09/09/2024, Monday	CreateCon/TTP	Crafty Creations	TALK Session - Principal	Talk Session- Placement	Sports
10/09/2024, Tuesday	Inauguration by Dr. R Bindu, Hon'ble Minister for Higher Education and Social Justice (KTU)		Library Session	Talk Sessions - Organized by AD	
11/09/2024, Wednesday	ISRO VSSC Visit				
12/09/2024, Thursday	Talk Session - HOD (AS)		CreateCon/TTP		Yoga
13/09/2024, Friday	Onam Celebrations				

BATCH C (Room No: SB 805)

Advisors: Ms.Bhavya, Mr.Rahul Raj

BATCH B	I	II	III	IV	V
	9.00-10.00	10.00-11.00	11.10-12.10	1.00-2.30	2.30-4.00
09/09/2024, Monday	Talk Session- Placement	CreateCon/TTP	Yoga	Library Session	Talk Session - Principal
10/09/2024, Tuesday	Inauguration by Dr. R Bindu, Hon'ble Minister for Higher Education and Social Justice (KTU)		Crafty Creations	Talk Sessions - Organised by AD	
11/09/2024, Wednesday	ISRO VSSC Visit				
12/09/2024, Thursday	Talk Session - HOD (AS)		CreateCon/TTP	Sports	
13/09/2024, Friday	Onam Celebrations				

The program started with an Introduction Session, handled by the Advisors of each batch, who gave an overall idea about the five-day program, along with its value and necessity. The following points / instructions were discussed/given: -

1. The timings of the Induction Program for all days.
2. The relevance of various sessions of the program.
3. The expert talks arranged as part of the Induction Program.
4. The classrooms allotted for each batch and the seminar halls for attending common sessions
5. Finally, the students interacted to clear their doubts.

The details of other sessions are given below:

CREATECON- Product Design:

The "Createcon-Product Design" session was a continuation of the sessions handled during the Pre-Induction Program designed to introduce first-year B.Tech students to the fundamentals of product design. This initiative was designed to encourage teamwork, foster creativity, and improve presentation abilities among students. This report provides a comprehensive overview of the session, detailing the planning, execution, outcomes, and insights gained. The session was held on 09/09/2024 and 12/09/2024 with participation from students across various engineering disciplines

divided into three batches. Target Audience: The session was attended by all first-year B.Tech students as part of the broader induction program, aimed at helping them acclimate to the Engineering curriculum and college environment.

OBJECTIVES

The primary objectives of the session were:

- ✓ Collaboration: Promote teamwork through group discussions.
- ✓ Creativity: Inspire innovative thinking in product design.
- ✓ Presentation Skills: Develop effective communication and presentation skills.
- ✓ Feedback Mechanism: Offer constructive evaluation from a panel of experts to guide future endeavors.

ORGANIZATION OF THE SESSION

PREPARATION PHASE

1. Group Formation:

Students were divided into groups of four-five members each. Grouping was done to ensure diversity in skills and backgrounds.

2. Guidelines Distribution:

Each group received a detailed guideline document, including:

1. Project Scope: Define the product concept.
2. Market Research: Identify target audience and market needs.
3. Design Specifications: Outline design features and functionality.
4. Presentation Requirements: Specify the format and duration of presentations.

3. Time Allocation:

Groups were given one week to brainstorm and prepare. This included time for research, design, and rehearsal.

CLASS STRUCTURE

First Class:

- ✓ **Introduction:** Overview of the session objectives and guidelines.
- ✓ **Group Work:** Students engaged in brainstorming sessions, discussing ideas, and developing their product concepts.

Second Class:

- ✓ **Presentations:** Each group presented their idea to a panel, followed by a Q&A session.

PANEL COMPOSITION

➤ **First Class (Introduction):**

1. Ms. Sreejitha S.G., Assistant Professor, Dept. of ECE
2. Ms. Athulya Kamalasanan, Assistant Professor, Dept of CSE
3. Ms. Haritha P.G., Assistant Professor, Dept. of CSE
4. Mr. Arjun Mohanlal, Assistant Professor, Dept. of EEE

The team handled the first session where students were given time to discuss among groups and do research in generating creative ideas and prepare presentations to strengthen their ideas.

Batch	Date	Time Slot	No. of Students	Faculty Handled Session
B	09-09-2024	9:00 AM to 10:00 AM	48	Ms. Sreejitha S.G. Ms. Athulya Kamalasanan Ms. Haritha P.G.
C	09-09-2024	10:00 AM to 11:00 AM	53	Ms. Sreejitha S.G. Ms. Athulya Kamalasanan Mr. Arjun Mohanlal
A	09-09-2024	1:00 PM to 2:30 PM	67	Mr. Arjun Mohanlal Mr. Nithin A.V. Ms. Haritha P.G.

➤ **Presentation Session:**

The panel consisted of the following members, including:

1. Ms. Lekshmy S., A.P. ECE
2. Ms. Apsana S., A.P. ECE
3. Mr. Muhammed Faisal, A.P., ME
4. Mr. Avinash G.S., A.P., ME
5. Mr. Nithin A.V., A.P., CE

- ✓ Panelists were chosen for their experience in product design and development (They are either Team for technical projects and IEDC members of the college).

PRESENTATIONS:

Format

- ✓ **Presentation Duration:** Each group was allotted 10 minutes for the presentation, followed by a 5-minute Q & A session.

Some Group Ideas

1. Group A: Eco-Friendly Water Bottle

- ✓ **Description:** A biodegradable water bottle designed for sustainability.
- ✓ **Key Features:** Made from plant-based materials, integrated filter, and customizable design.
- ✓ **Target Audience:** Environmentally conscious consumers.

2. Group B: Smart Food Container

- ✓ **Description:** An intelligent food container that tracks food freshness.
- ✓ **Key Features:** Bluetooth connectivity, app integration, temperature monitoring.
- ✓ **Target Audience:** Busy professionals and health-conscious individuals.

3. Group C: Portable Solar Charger

- ✓ **Description:** A compact solar charger for outdoor enthusiasts.
- ✓ **Key Features:** Lightweight, foldable design, multiple charging ports.
- ✓ **Target Audience:** Campers, hikers, and travelers.

4. Group D: Ergonomic Laptop Stand

- ✓ **Description:** A laptop stand designed to improve posture and comfort.
- ✓ **Key Features:** Adjustable height, built-in cooling fan, lightweight materials.
- ✓ **Target Audience:** Students and remote workers.

5. Group E: Interactive Learning Tool for Kids

- ✓ **Description:** A gamified learning device for children.
- ✓ **Key Features:** Touchscreen interface, educational apps, rewards system.
- ✓ **Target Audience:** Parents and educators looking for innovative teaching tools.

EVALUATION CRITERIA

The presentations were assessed based on the following criteria:

1. Creativity and Innovation:

- ✓ Originality of the product idea and its unique selling points.

2. Clarity and Structure:

- ✓ Organization of the presentation, including a clear introduction, body, and conclusion.

3. Feasibility:

- ✓ Assessment of how practical the idea is in terms of production and marketability.

4. Engagement:

- ✓ Ability to engage the audience and effectively communicate the idea.

5. Feedback Reception:

- ✓ Openness to questions and constructive criticism from the panel.

OUTCOMES

Feedback and Insights

- ✓ Each group received tailored feedback from the panel, highlighting strengths and areas for improvement.
- ✓ Common themes in feedback included the importance of thorough market research, clarity in design specifications, and the need for better engagement techniques during presentations.

Student Reflection

- ✓ Participants expressed gratitude for the opportunity to collaborate and learn. Many students reported increased confidence in public speaking and a better understanding of the product design process.

CONCLUSION

The product design idea presentation session was a resounding success, promoting creativity, collaboration, and effective communication among first-year B.Tech students. The insights gained from the panel's feedback will guide students in their future projects and studies in engineering and design.

GLIMPSES OF THE SESSIONS:





CRAFTY CREATIONS

As part of the Induction Program for the B. Tech 2024-28 batch, the Department of Applied Science conducted an interactive and informative session named "**CRAFTY CREATIONS**" **on the 9th and 10th, September 2024**. Ms. Adithya G S (Assistant Professor of Mathematics, Dept. of AS) was the event coordinator, and Ms. Sree Lakshmi M (Assistant Professor of Mathematics, Dept. of AS), Ms. Ajeena H (Assistant Professor of Mathematics, Dept. of AS), and Ms. Veena Prasad U S (Assistant Professor of Mathematics, Dept. of AS) were the team members.

The students were divided into three batches: Batch A, Batch B, and Batch C. The crafty creation session for Batch A students started on the first day (09/09/2024) with self-introductions by the faculty members and then a healthy conversation with the students. This session was conducted by all four faculty members together.

Students were divided into six teams: A, B, C, D, E, and F, and guidelines for the activities were given. We are provided colour papers, newspapers, chart papers, threads, scissors, gum, and other accessories for each group members. Mr.Nithin (Assistant Professor, Dept of CE) judge the final products they created and points were awarded to the teams based on the models. All teams participated with a competitive spirit. Team B scored the highest points, and gifts were given to the winning team members. The feedback from the students was overwhelmingly positive.

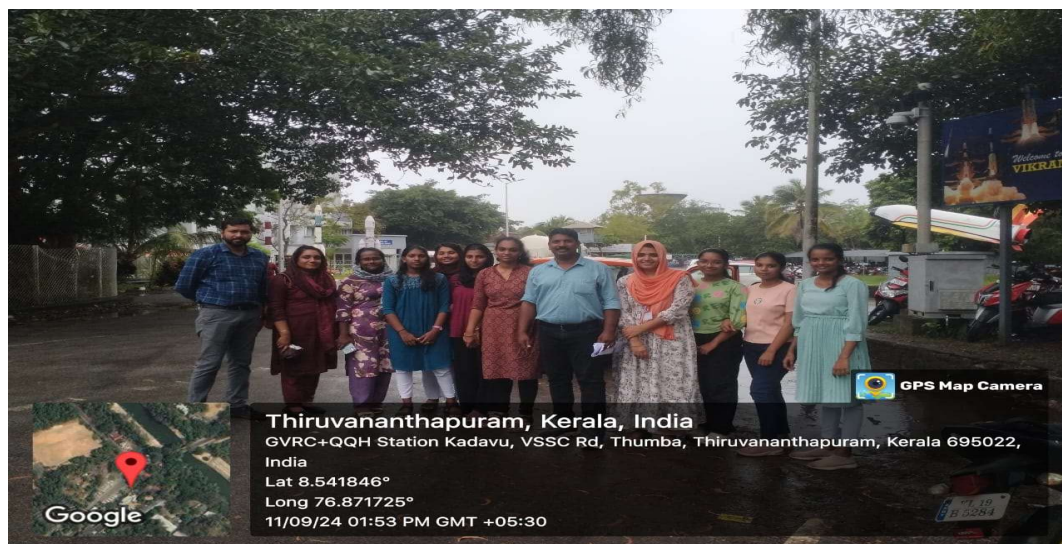
For Batch B the programme was arranged on the same day at 10.00 am, the session was handled by Ms. Ajeena H and Ms. Veena Prasad U S. Points were awarded for the best model. Team A scored the highest points, and gifts were given to the winning team members.

On the second day of the Induction Program (10/09/2024), the Crafty creation session was arranged for Batch C students. This session was handled by Ms. Adithya G S and Ms. Sree Lakshmi M. Points were awarded based on the models. Team C scored the highest points, and as an appreciation, gifts were given to the winning team members.



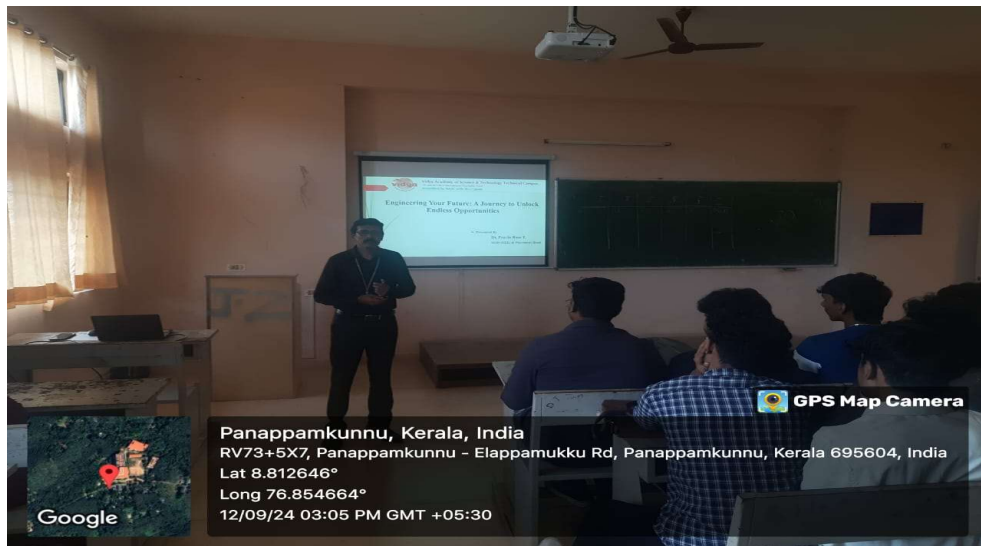
ISRO VISIT

Vidya Academy of Science and Technology organized a field trip for first-year students. The ISRO visit, held on September 11, 2024 as a part of the induction program. The Program coordinator was Mr.Sajeer A (Assistant Professor of Applied Science), assisted by team members Mrs.Veena Prasad (AP, Department of AS), Ajeena H (AP, Department of AS), Anjala S S (AP, Department of EEE), Dhanya S (AP, Department of ECE), Lakshmi S (AP, Department of ECE), Rahul Raj (AP, Department of ME), Naveen B (AP, Department of ME) and Nithin AV (AP, Department of CE). The trip, which began at 9:30 am, was attended by 159 students. The event featured models of early rockets and a film show about ISRO's history, providing a novel experience for the students. The participants were provided refreshments before returning to the college by 3:00 pm.



PLACEMENT TALK SESSION

Vidya Academy of Science and Technology Technical Campus conducted an event, placement talk session as part of Induction Programme 2024. The event was handled by Dr. Praveen T Rose, Placement Officer, VAST TC and coordinated by **Ms.Beena V R, Assistant Professor CSE. Ms.Aswini Dutt, Assistant Professor, ECE and Ms.Nayana Gopan, Assistant Professor, CE** were very much dedicated to render their service throughout the sessions. For batch C, the event was conducted on 09/09/2024 from 9.00 am pm to 10.00 am. For batch B, the event was conducted on 09/09/2024 from 1.00 pm to 2.30 pm. For batch A, the event was conducted on 12/09/2024 from 2.20 pm to 4.00 pm. A total of 121 students were actively participated for the sessions. Received positive feedback from students.



OUTCOME:

The students were highly motivated throughout the sessions.

YOGA SESSION

Yoga is an ancient practice that originated in India, combining physical postures, breathing exercises, meditation, and ethical principles to promote physical, mental, and spiritual well-being. The word "yoga" comes from the Sanskrit word "yuj," which means "to unite" or "to join," symbolizing the integration of body, mind, and spirit.

MAIN COMPONENTS OF YOGA

Asanas (Postures): Physical poses that help improve strength, flexibility, and balance. They range from simple to advanced, promoting physical health.

Pranayama (Breathing Techniques): Controlled breathing exercises that regulate the flow of energy (prana) in the body, calming the mind and enhancing concentration.

Meditation (Dhyana): Practices to calm the mind and focus attention inward, leading to mental clarity and peace.

Ethical Guidelines: The practice often includes moral principles from texts like the Yoga Sutras, such as:

- **Yamas** (restraints, like non-violence or truthfulness)
- **Niyamas** (positive observances, like contentment or self-discipline)

Spiritual Practices: Some forms of yoga emphasize spiritual growth, encouraging connection with one's inner self or a higher power.

Yoga offers a wide range of physical, mental, and emotional benefits that improve overall well-being. Here are some of the key benefits:

1. Physical Benefits

- **Improved Flexibility:** Regular practice of yoga stretches the muscles and improves joint flexibility, reducing the risk of injury.
- **Increased Strength:** Many yoga poses build strength by engaging different muscle groups.
- **Better Balance and Coordination:** Yoga helps improve balance, coordination, and stability, which are essential for everyday activities and injury prevention.
- **Enhanced Posture:** Yoga encourages better body alignment, which can reduce strain on muscles and joints and improve posture.
- **Boosted Immunity:** The combination of physical movement, breathing, and relaxation can enhance immune system function.
- **Improved Cardiovascular Health:** Yoga can help reduce blood pressure, improve circulation, and lower the risk of heart disease.
- **Better Respiration:** Through controlled breathing exercises (pranayama), yoga enhances lung capacity and promotes more efficient breathing.

2. Mental Benefits

- **Reduced Stress:** Yoga is known for its ability to decrease stress and anxiety by promoting relaxation and calming the nervous system.
- **Increased Mental Clarity and Focus:** The meditative aspects of yoga help clear the mind, improving concentration and mental clarity.
- **Enhanced Emotional Resilience:** Yoga helps regulate mood and manage negative emotions like anger, anxiety, and depression.
- **Better Sleep:** By reducing stress and promoting relaxation, yoga can help improve sleep quality and reduce insomnia.
- **Boosted Cognitive Function:** Yoga has been linked to improved memory, attention, and brain function through meditation and mindfulness practices.

3. Emotional and Spiritual Benefits

- **Greater Self-Awareness:** Yoga encourages introspection and mindfulness, leading to a better understanding of oneself.

- **Increased Mind-Body Connection:** Yoga strengthens the link between body and mind, fostering greater harmony between physical and mental health.
- **Emotional Stability:** Through mindfulness and meditation, yoga helps individuals process emotions in a healthy way, reducing emotional reactivity.
- **Improved Relationships:** A calm, focused mind can lead to better communication and more positive interactions with others.
- **Spiritual Growth:** For those who seek spiritual growth, yoga offers pathways to self-realization, inner peace, and a deeper connection with the universe.

4. Health Benefits

- **Pain Relief:** Yoga can alleviate chronic pain conditions such as back pain, arthritis, and migraines through improved posture, flexibility, and relaxation techniques.
- **Improved Digestion:** Certain yoga poses aid in digestion by stimulating the digestive organs and reducing bloating and indigestion.
- **Detoxification:** Yoga's movements and deep breathing can support the body's natural detoxification processes.
- **Weight Management:** Yoga helps regulate weight by improving metabolism and fostering mindful eating habits.

5. Psychological and Social Benefits

- **Increased Mindfulness:** Yoga promotes being present in the moment, leading to a more mindful and balanced approach to life.
- **Stress Management:** Practicing yoga equips individuals with effective tools to manage daily stressors.
- **Social Connection:** Yoga communities foster a sense of belonging and support, especially in group classes or retreats.

Incorporating yoga into your routine can lead to holistic improvements in health, well-being, and quality of life, both in the short term and long term. As a part of the induction Programme 2024, Yoga session was conducted for students. The team consisted of **Ms. Anjana. N**, (AP, ECE) & **Mr. Jijeesh Sekhar J.R** (PT) as the coordinators and **Ms. Sansya Vijayan** (AP, CSE), **Ms. Dhanya.S** (AP, ECE), **Ms. Shahana A.H** (AP, CSE) and **Mr. Sajith Krishnan** (AP, ECE) as members.

There were 3 batches- Batch A with 65 students, Batch B with 61 students, Batch C with 59 students. The session had 1.5 hours in a batch. An introduction on Yoga and its benefits were given to students. They practiced, Warm Up followed by **Praanaayama** (Breathing Exercise), **Meditation**, Aсанas like **Uttanpadaasana**, **Vrikshasana**, **Padmaasana** and finally **Sooryanamaskar**. Students were very enthusiastic in practicing the Aсанas.



TALK SESSIONS

The first semester student was addressed by Principal, HOD of Electrical and Electronics Engineering and the HOD of Applied Science. Various topics regarding the regulations, academic requirements, extracurricular activities were discussed. The students actively participated in talk.



TALK SESSION BY INDIAN ARMY

The talk session conducted by INDIAN ARMY opened the door to the various opportunity to join INDIAN ARMY after the completion of the degree. Students enthusiastically asked questions regarding the session. Maj Pankaj Chauhan, OC 260 Fd WKSP Coy and Lt Col Sunil M L, HQ 91 Inf Bde handled the sessions. At the end of the session they were honored by a memento given by Academic Director.



INDUCTION 2024 CONCLUSION

The feedback regarding the sessions of Induction Program was given by first year students of various departments. The feedback of the students was overwhelming. They conveyed their thanks to all the faculties who took classes for them, and to the college management and staff. They added that all sessions were unique and interesting. The students commented that the Induction Program

2024 was a great experience for them and boosted their self-confidence. They said that all the sessions were very interactive.
