



**C. ABDUL HAKEEM COLLEGE OF ENGINEERING & TECHNOLOGY  
MELVISHARAM-632509**

**DEPARTMENT OF SCIENCE AND HUMANITIES**  
**Report on Induction Programme for First Year Students - 2024-25**

S.N O	DATE	TOPIC	NAME OF THE SPEAKER
1	19.08.2024	Inauguration	Prof. T. Anbu
2	20.08.2024	Academic Regulations	Dr. K. Sankar
3	21.08.2024	Why Engineering	Mr. S. Thirugnana Sambandham
4	22.08.2024	Essential for Career Building	Mr. Z. A. Amjath
5	23.08.2024	NSS	Mr. L. Elangovan
6	26.08.2024	Relationships	Mr. B. Sathik Basha
7	27.08.2024	Health & Physical Fitness	Dr. S.I Aslam
8	28.08.2024	Society	Dr. S. Vadivel
9	29.08.2024	Career Avenues	Dr. M. Sasikumar
10	30.08.2024	Natural Environment	Dr. R. Thangaraj
11	02.09.2024	Universal Human Values	Dr. K. Ramya
12	03.09.2024	Literary in English	Ms. A. Tamilselvi
13	04.09.2024	Literacy Mathematics	Dr. V. Pushparaj
14	05.09.2024	Visit to Local Area: Village visit	Mr. A. Vasantha Kumar
15	06.09.2024	Innovations	Dr. L. Rajasekaran



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Day-1 (19-08-2024)

Speaker Details: Prof. T. Anbu

Topic: Inauguration

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.

About the Induction Program

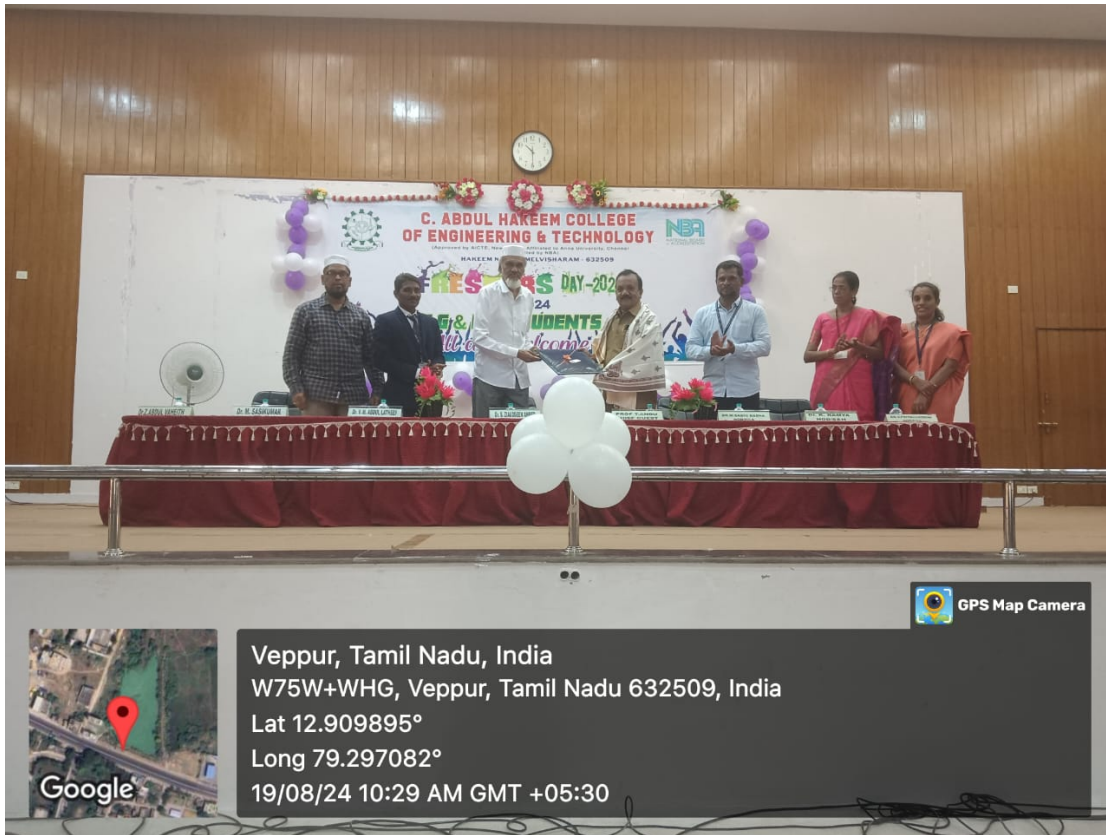
Transition from school to college life is one of the most challenging events in a students' life. When students enter an institution, they come with diverse thoughts, backgrounds and preparations. They come into a new unfamiliar environment, and many of them have little knowledge of about the institution.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

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 19/08/2024), where students and parents were welcomed by the Management and Principal of C. Abdul Hakeem College of Engineering and Technology. 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 HOD, 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.



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Day-2 (20-08-2024)

Speaker Details: Dr. K. Sankar (Associate Professor, Mathematics)

Topic: Academic Regulations

An Induction Programme was conducted by the Department of Science and Humanities on the 20/08/2024 with the intention of introducing first year students to the curriculum of Engineering education. Dr. K. Sankar started his session by explaining the topic and by assuring the students that it is of utmost importance to understand and recognize the academic terms for organizing their Engineering academics. Prof. Ravindra explained the difference between the words 'Program' and 'Course' and defined it in simple terms, explaining the importance of understanding 'outcomes'. He also made the students understand the difference between 'Foundation Courses', 'Core Courses', 'Elective Courses' and 'Mandatory Courses'. He also explained the difference between 'Integrated Course', 'Theory Courses' and 'Laboratory Courses'. He informed the students that the recent introduction of 'Integrated Courses' are meant to expose the students to updated concepts through practice and theory. He also invited the attention of the students to the amount of credits required for each semester in the first year. Prof. Ravindra concluded his session by emphasising on the points on Attendance Requirements as well as Promotion Rules. He also explained the system of Award of Degree, the criterias for it as well as the rules and regulations regarding the completion of the Engineering Programme.

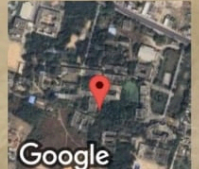




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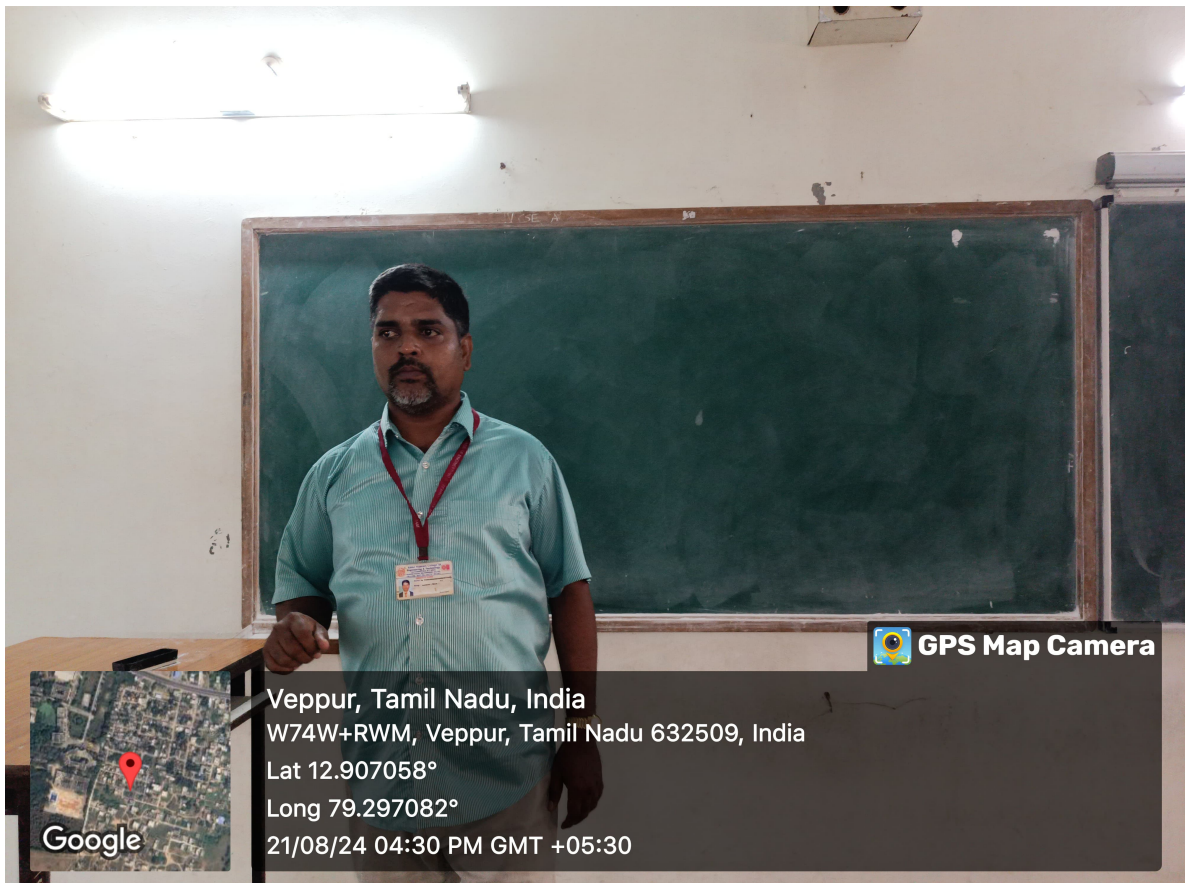
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Day-3 (21-08-2024)

Speaker Details: Mr. S. Thirugnanasambanthan

Topic: Why Engineering

An Induction Programme was conducted by the Department of Science and Humanities on the 21/08/2024 with the intention of introducing first year students to share knowledge of understanding the importance of choosing Engineering as a profession. Dr. S. Thirugnanasambanthan, Assistant Professor, Dept. Of Mechanical of C. Abdul Hakeem College of Engineering and Technology, gave an organized and well informed talk to the first year students regarding the importance and the opportunities presented to the field of Engineering. He briefed the students about the importance of various branches of Engineering and pressed on the point that each and every branch has its own relevance and none of these branches stand alone. Further, he made a point that Engineering stands for solving problems by using available resources such as updated or recent technology. Next, he asked the students to rely on creativity and academic skills. Regarding the use of maths, science and computers are the main entity for engineering and told that many methods used are common to all engineers. Later, he discussed the types of Engineering, important reasons to choose Engineering, rewards of opportunities, What is Engineering?, and greatest engineering achievements of the twentieth century.





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Day-4 (22-08-2024)

Speaker Details: Mr. Z A Amjath

Topic: Essential for Career Building

An Induction Programme was conducted by the Department of Science and Humanities on 22/08/2024 with the intention of introducing first year students and shared the essential knowledge for career building. Mr. Z.A Amjath from the Department of Aeronautical of C. Abdul Hakeem College of Engineering and Technology who started his presentation by showing a pie chart to brainstorm the students and to know from the students what was indicating. He briefed the students about the several essential to build the career of the students. He made his first point by stating to students that time management is one of the important aspects to build the career of students. Secondly, he discussed the importance of discipline. Discipline, he meant to was the control of mind/goal/time/feelings of students who wanted to be achievers. Next, he stated that discipline is the bridge between goals and achievements. Further, he discussed the importance studying the dictionary and how it would be helpful to enhance the knowledge of the students. In addition, he also talked about the importance of reading skills and public speaking. Finally, he concluded his session by saying that students must have transferrable skills like learning, communicating, teamwork, career management, self management, critical thinking, information handling and information and technology. He also asked the students to build their resume by participating in extracurricular activity, develop a hobby.



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Day-5 (23-08-2024)

Speaker Details: Mr. L. Elangovan

Topic: NSS

An Induction Programme was conducted by the Department of Science and Humanities on 23/08/2024 with the intention of introducing first year students and shared the essential knowledge for social services. In India, the idea of involving students in the task of national service dates to the times of Mahatma Gandhi, the father of the nation. The first duty of the students should be, not to treat their period of study as one of the opportunities for indulgence in intellectual luxury, but for preparing themselves for final dedication in the service of those who provided the sinews of the nation with the national goods & services so essential to society. Advising them to form a living contact with the community in whose midst their institution is located, he suggested that instead of undertaking academic research about economic and social-disability, the students should do "something positive so that the life of the villagers might be raised to a higher material and moral level".





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Day- 6 (26-08-2024)

Speaker Details: Mr. B . Sathik Basha

Topic: Relationships

An Induction Programme was conducted by the Department of Science and Humanities on 26/08/2024 with the intention of introducing first year students and shared the essential knowledge for family values. 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.





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Day- 7 (27-08-2024)

Speaker Details: Dr. S.I Aslam

Topic: Health & Physical Fitness

An Induction Programme was conducted by the Department of Science and Humanities on 27/08/2024 with the intention of introducing first year students and shared the essential knowledge for 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 enrol and participate for these everyday activities based on their interest and attendance was monitored by the faculty in charge. Dr. Aslam, Physical Education Director of CAHCET, had an interaction with I year BE/B.Tech 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 CAHCET. Students were encouraged to participate in the sports actively and were also told to balance between academics and sports activities.





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Day- 8 (28-08-2024)

Speaker Details: Dr. S. Vadivel

Topic: Society

An Induction Programme was conducted by the Department of Science and Humanities on 28/08/2024 with the intention of introducing first year students and shared the essential knowledge for society. We saw that the family is the basic unit or building block of human organisation. 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.



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Day- 9 (29-08-2024)

Speaker Details: Dr. M. Sasikumar

Topic: Career Avenues

The mission at C. Abdul Hakeem College of Engineering and Technology, 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/B.Tech students of C. Abdul Hakeem College of Engineering and Technology, 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 @ CAHCET, from the Principal, Dr. M. Sasikumar 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/B.Tech, helping the students to ace in their competitive exams and various other facilities offered by the institution, assuring students about their bright future which left with the satisfaction of picking the right college.





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Day- 10 (30-08-2024)

Speaker Details: Dr. R. Thangaraj

Topic: Natural Environment

An Induction Programme was conducted by the Department of Science and Humanities on 30/08/2024 with the intention of introducing first year students and shared the essential knowledge for environmental studies. 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.

Day- 11 (02-09-2024)

Speaker Details: Dr. K. Ramya

Topic: Universal Human Values (UHV):

An Induction Programme was conducted by the Department of Science and Humanities on 02/09/2024 with the intention of introducing first year students and shared the essential knowledge for human values. The objective of this event is to help the students in appreciating the essential terms between values and skills to ensure sustained happiness and prosperity, which are the core aspirations of all human beings. To facilitate the development of a holistic perspective among students towards life and profession as well as towards happiness and prosperity based on a correct understanding of the human reality and the rest of existence. Such a holistic perspective forms the basis of Universal Human Values and movement towards value-based living in a natural way.

**Importance of UHV**

Human values are nothing but the thoughts and values of human beings. They play a vital role in the life cycle of a human being. Human values help us to grow and succeed in our life. Simply human values can be regarded as a decision-making quality of a person. Every decision is made in an organisation, or a company based on human values. Human values play a vital role in an individual, relationship, organisation as well as in society. It includes honesty, love, peace, loyalty, etc. These are the qualities that are important for humans in all stages. Human values always reflect your thoughts. One must take all the possible efforts to maintain his or her human values. One's attitude decides the quality of the person. Learning human values makes a person understands the attitudes and behaviours of the other person. By learning human values, you can know which is right and which is wrong. Learning human



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values makes one person understand other human beings as well as his organisation Human values are an integral part of one's life being a loyal person is also considered the best human value. Helping is also considered an important human value. Helping a person at the right time is very important. Possessing the clarity of what you want is your biggest value which helps you to build a strong foundation. If you follow all the human values, then you will gain self-respect. Only if you have self-respect others will respect you. Human values help to find what do you want in your life. Human values help in decision making in important times and Human values help a person to enjoy his life in a better way

Day- 12 (03-09-2024)

Speaker Details: Ms. A. Tamilselvi

Topic: Literary in English

An Induction Programme was conducted by the Department of Science and Humanities on 03/09/2024 with the intention of introducing first year students and shared the essential knowledge for Literacy in English. The Objective of Literacy is to improve the mentality skills of the students, to inoculate the habit of active consumption of content in literature and to improve listening, speaking, reading and writing skills. It helps to provide ample of time and a platform for the transition of students from school to the hard-core engineering. To



establish good terms with others and appropriate communication skills, it is vital for the





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students to acquire fluency of language. Many activities were done in class to make classes interactive and getting total involvement of students to improve various language skills. Students enjoyed interaction and activity-based learning.

Day- 13 (04-09-2024)

Speaker Details: Dr. V. Pushparaj

Topic: Literacy Mathematics (LIT-M):

An Induction Programme was conducted by the Department of Science and Humanities on 04/09/2024 with the intention of introducing first year students and shared the essential knowledge for Literacy in Maths. Mathematics has always been classified as a tough and unattractive study topic. Many young students begin college with the idea that mathematics is a hard subject and that it mainly deals with numbers and equations. Rather, mathematics is a language through which one can precisely describe real life phenomena. Additionally, mathematics constitutes a broad area of study in and of itself. One of the biggest challenges of modern education is to connect with the student in a meaningful and effective way.

Activity of LIT-M , “Mathematics for Solving Real World Problems” was discussed with recent real-world problems and their mathematical modelling. Faculty also shared his views on the scope of research to the new students. This activity was very much interactive and informative. Calculators provide advantages for students when performing calculations. In other activity “Advanced features of scientific calculator” was discussed with students as a helpful instrument for enhancing understanding of main concepts and algorithms of calculus, for development of explorative, critical and creative thinking of the students.

“Vedic mathematics” provides answers in one line, as opposed to the several steps of traditional mathematics. An ancient technique that simplifies multiplication, divisibility, complex numbers, squaring, cubing, square roots, cube roots, recurring decimals, and auxiliary fractions was discussed in the other activity.

Day- 14 (05-09-2024)

Speaker Details: Mr. A. Vasantha Kumar

Topic: Visit to Local Areas: Village Visit



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Venue: Veppur, Melvishram. District-Ranipet.

An Induction Programme was conducted by the Department of Science and Humanities on 05/09/2024 with the intention of the role of engineering for modern civilisation is implicit in every aspect of our lives. Rapid progress in the development of the country has taken place through the application of engineering to different sectors like dams and irrigation systems, civil construction, sanitation systems, manufacturing industries. transport systems and many more. However, first role of an engineer in our changing world is to identify the problems and create new technologies to solve real world problems. To identify the problems, it is necessary to get practical exposure. As a part of this we have planned village visit, so we can identify and understand the problems of rural areas and we can relate and solve it using technology and engineering.

Day- 15 (06-09-2024)

Speaker Details: Dr. L. Rajasekaran

Topic: Innovations

An Induction Programme was conducted by the Department of Science and Humanities on 06/09/2024 with the intention of introducing first year students and shared the essential knowledge for creativity. The students were introduced to the term innovation during the first lecture of Innovation. Using examples, they were taught the difference between Innovation and Invention. The era when first time wooden wheel was introduced is called invention whereas today's era of introducing tubeless tyre is called innovation. They were also taught that the prime motive of entrepreneur is to earn maximum profit where it is not for startup. During second and third lecture, they were introduced to the successful startup in India like, UBER, OLA, SWIGGY, FLIPKART. Through the success stories of these startup they were taught that expertise is not mandatory to start your startup. Educational qualification is also not so much essential. The required characteristics are empathy towards your users, understanding the real pain of customers, passion to solve the problem. The essential factors were introduced to the students in fourth lecture of innovation. The idea generation, team forming, business plan, funding, timing etc. were the key factors that leads to successful startup. To form a team of different experts is also an essential to solve the upcoming problems in an easy way. Correct timing also matters to disrupt the market.



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## **SUMMARY:**

During Induction program, first semester students welcomed by faculties and got confidence into a new academic environment. They were able to attach their behaviours with the practices of the institutional activities. They were encouraged to use a structured and collaborative learning environment and gave exceptional performance in activities/tasks designed throughout the induction program. The Induction Program was designed to make in such a way that the newly joined students feel comfortable, sensitise them towards exploring their academic interests and activities, reducing competition and making them work for excellence, promote bonding within them, build relations between teachers and students, give a broader view of life, and building of character. With the cooperation of the students and the faculty members; the Induction program was able to record the feedbacks of the students in Expert talks, Village Visit and other activities. The total involvement of deputed Faculties actively engrossed in various responsibilities of induction program. That facilitated to motivate the students to stir like a sugar in water of institutional activities. Students are made aware about multidisciplinary areas and their developments and developed ability to transcend from subjective knowledge to the application of subject in real life situations.