Report on Induction Programme for First Year Students – 2019-20

Day-1 (02-08-2019)
Topic: Orientation Day

An 'Orientation Programme' was organized to welcome the first year students who were admitted to Engineering program at the institute premises on 02/08/2019 where students and parents had been welcomed by the Management and Principal of Vardhaman 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.

The day was marked with the presence of Prof. R M Vasagam, noted scientist as well as the former Vice Chancellor of Anna University, Tamil Nadu, and Dr. L V Muralikrishna Reddy, President of Indian Technology Congress Association. Other noted presence included Dr. T Vijendar Reddy, Chairman, Vardhaman College of Engineering, Mr. Upendar Reddy, Secratary, VCE, Mr. E. Prabhakar Reddy, Treasurer, VCEH, Dr. K Mallikharjuna Babu, Director and CEO of VCE, and Dr. S Sai Satyanarayana Reddy, Principal, VCE.

Dr. Sai Satyanarayana Reddy welcomed the distinguished guest, the management, students, parents and faculty to Vardhaman College of Engineering and introduced the guests to the audience. He thanked them for their presence and invited Prof. R. M Vasagam to speak.

Prof. R.M. Vasagam welcomed the First Year Engineering students and shared his experiences as an engineering student and his days as a young scientist in the ISRO. He urged the students to keep up with the changing trends in engineering and take their studies in to utmost importance. He spoke from the perspective of a former Vice Chancellor and opined that students must decide not to have backlogs so that their academics will prosper.

Dr. L V Muralikrishna Reddy, as a former President of the Institution of Engineers (India) for the session 2014-2015, shared his experiences and spoke briefly about the fastly changing technologies in the world. He also shared the positive thought with the students that the brightest amongst the present generation will take the ambitions of the country forward in the coming years. He applauded the efforts of the Vardhaman College of Engineering in facilitating the scientific needs and urges of the young minds that culminated in the Students' Satellite Project. He lauded the work of the faculty and the students in taking the project forward enthusiastically and hoped that such futuristic vision prevails.

Dr. K Mallikharjuna Babu, CEO and Director of Vardhaman College of Engineering spoke briefly regarding the current scenario of engineering education in the country. He made the students aware of the quality of engineering and engineering professionals in the country and how important it is to constantly work on to becoming the best in their area of engineering.

Professor S. Rajendar, HOD, Freshman Engineering thanked the guests for their kind and valuable words and wished the First Year Students a hearty welcome to the college.

Padmashri . Prof. R.M.Vasagam
Former Vice Chancellor, Anna University

Dr. L. V. Muralikrishna Reddy
President, Indian Technology Congress Association

Day-2 (03-08-2019)

Session 1

Speaker Details: Dr. S. Sai Satyanarayana Reddy, Principal

Topic: About Institution

An Induction Programme was conducted by the Department of Freshman Engineering on the 03/08/19 with the intention of introducing first year students to the curriculum of Engineering education.

Dr. Sai Satyanarayana Reddy, the Principal of Vardhaman College of Engineering, hosted the students in the first session of the Induction Programme. Dr. Reddy introduced the students to the college, its rules, scientific traditions and professional commitment in producing quality engineers for the country. The Principal delivered a vivid description of the college facilities such as the library, the computer centers, the language lab etc. He explained the idea of mentoring and its purpose in making the student life easier as well as documented enough to carefully analyse the progress of each and every student. He emphasised on the importance of being engaged in various engineering bodies such as IEEE, ICSE, ISOE etc. He also urged the students to take their academics seriously and be regular to the classes to keep their attendance in a desirable level.

The Principal concluded his session by urging the students again to concentrate more on imporving their skills to match that of a professional's and to polish their understanding of the basic subjects to boost their knowledge of enginneering subjects that they will face in the upcoming years of their academics. He implored the students to practice positive thinking to keep their minds sharp in order to achieve the maximum of their capabilities. He wished the students well for their maiden academic year in the Engineering stream.

Ms. P Sridevi, Assistant Professor, Freshman Engineering delivered the vote of thanks.

Day-2 (03-08-2019)

Session 2

Speaker Details: Dr. JVR Ravindra, Dean (Academic)

Topic: Academic Regulations

An Induction Programme was conducted by the Department of Freshman Engineering on the 03/08/19 with the intention of introducing first year students to the curriculum of Engineering education. The second session of the Induction Programme was hosted by Prof. JVR Ravindra, Dean (Academic) & Professor, Dept. Of ECE, on the topic 'Academic Regulations'.

Prof. Ravindra 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 Couse', '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. The session came to a formal end as Ms. P Sridevi delivered the vote of thanks.

Day-2 (03-08-2019)

Session 3

Speaker Details: Mr. S V Ramana Murthy

Topic: Python Programming

An Induction Programme was conducted by the Department of Freshman Engineering on the 03/08/19 with the intention of introducing first year students to the curriculum of Engineering education. The third session of the first day of the Induction Programme was on 'Python Programming' and was conducted by Mr. S V Ramana Murthy from CodeTantra Tech Solutions PVT Ltd in Hyderabad.

Mr. Murthy started his session by participating students in a discussion on how to differentiate between Arts and Science. He deliberated on the usual definitions of both words and extracted inputs from enthusiastic students. At the end of the introduction to the session, Mr. Murthy defined engineering as a perfect application of art and science for the betterment of humanity. He spoke briefly about engineering education and implored students to take an oath along with him that they will obtain an engineering degree without having backlogs.

Mr. Murthy began the second phase of his session by talking about programming languages. He compared programming languages with other languages and spoke briefly about the 'relativity' of languages. He emphasized the importance of learning a programming language irrespective of the students branch. From the etymological meaning of the name 'Python' to the workings of the programming language, Mr. Murthy gave a very realistic idea about the language, and its importance in the engineering field. Mr. Murthy concluded his session by introducing students to an online portal in which they can create an account and enjoy the initial stages of learning programming.

Dr. Seema Devi gave the vote of thanks to Mr. Murthy.

Day-2 (03-08-2019)

Session 4

Speaker Details: Dr. D. Krishna and Mr. N. Madhu

Topic: SWAYAM/NPTEL/MOOCs

An Induction Programme was conducted by the Department of Freshman Engineering on the 03/08/19 with the intention of introducing first year students to the curriculum of Engineering education. The fourth session of the first day of the Induction Programme was conducted by Dr. D Krishna and Mr. N Madhu (Dept. Of ECE) on SWAYAM, NPTEL and MOOC courses.

Dr. D Krishna started his session by making students aware of how these online courses enhance their capabilities as future engineers and also in making them appear as competent enough for placements. He emphasized that Vardhaman College of Engineering has facilities that support students in obtaining online certification by participating in these courses and that students should avail those facilities if they wish to improve their career chances. With the help of a powerpoint presentation, Dr. Krishna showed the step by step process of enrolling for these courses.

Mr. N Madhu, Assistant Professor, Department of ECE, took over the session and explained how the courses work in favor of students in understanding some of the courses in curriculum in a better way. He explained in detail how NPTEL courses differ according to level of the student how more core courses included in the 2nd, 3rd and 4th year, making the student more and more competent as they move forward in the Engineering education. He concluded the session by emphasising the point that these courses are meant to make the students more positive towards skills and that they are important as they make the students 'placement-ready.'

Day-3 (05-08-2019)

Session 1

Speaker Details: Dr. P. Nageswara Rao

Topic: Why Engineering

An Induction Programme was conducted by the Department of Freshman Engineering on the 05/08/19 with the intention of introducing first year students to share knowledge of understanding the importance of choosing Engineering as a profession.

Dr. P Nageshwara Rao, Prof. of ECE & Dean IQAC of Vardhaman College of Engineering, gave an organized and well informed talk to the first year students regarding the importance and the opportunities presented to the field of Engineering. Professor Rao 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.

Day-3 (05-08-2019)

Session 2

Speaker Details: Rajashekar Gaddamanugu

Topic: Me, My College and My Success

An Induction Programme was conducted by the Department of Freshman Engineering on the 05/08/19 with the intention of introducing first year students to inspire the first year students to take Engineering and their career seriously.

Rajashekar Gaddamanugu started his sessions by inviting questions from students and asked them to create their opportunities and not to wait for the opportunities. Further he added that no one can motivate humans but we can inspire people with our action. The students can get inspiration from their teachers, parents, and eminent personalities.

He also added that a NEGATIVE thought attracts more and positive thoughts get distracted very soon. He gave four main principles for success to the students. He inspired the learners to practice listening skills. Patient listening can change their failure into success. He also raised questions regarding the reasons behind the students who are toppers out of sixty students as they have learnt and practice the patient listening.

While concluding, Mr. Gaddamanugu talked about creating positive attitude and vibes around respect the self, respond the self, response to the ability of the self and having a smiling face. Smile is the best way to learn and earn and live life successfully.

Day-3 (05-08-2019)

Session 3 & 4

Topic: Familiarizing Students to their respective Department

An Induction Programme was conducted by the Department of Freshman Engineering on the 05/08/19 with the intention to familiarize the students with their respective departments. The primary purpose was to introduce the students to the faculty, departments, computer lab and other physical facilities available on the campus.

Department of Computer Science (CS)

Dr. Rajnikanth Aluvalu, Head of the Department of Computer Science, Vardhaman college of Engineering gave brief information about the department and its faculty, computer labs and other physical facilities. Later, he asked other faculty of the department to give a brief introduction to the students and the achievements of the department. Next, students visited the computer lab and explored the other facility available in the department. Students mainly visited to 1001, 1002, 1003, 1101, 1102, 1103,1104, 1208 A,B,C,D computer labs.

Department of Mechanical Engineering

As part of Induction Program, the Department of Mechanical Engineering started to familiarize the students with the mission and vision of the department which is highly focussed on learner centric approach and self-learning to facilitate as continuous learning based on the needs of the society. The Head of the Department also stressed to learn the latest technology and keep an eye on the development in the field of technology. All the faculty were introduced to the students and infrastructure, students achievements and various other details of the department professional societies (American Society of ME ASME), Solar Energy of India (SESI) etc. Students were also briefed about multi-crop harvesting machine, and solar based pesticide sprayer. Finally, students were taken to for the lab sessions where they explored the various equipments and machines and found it very interesting.

Department of EEE

The students of EEE visited the department as part of familiarization to the department to the students post lunch session. The students were briefed about the department from the inception and how it has grown over a period of time. All the faculty were introduced to the students and they were informed about the approach to teaching and learning , role of internship and faculty assistance to the students if they show interest in any projects.

Next, they were briefed about the mentoring, internships, projects, publication of papers, IEEE chapters and further suggested to make best use of the lab and faculty to gain knowledge. The session was ended with the students visiting to their labs to get familiarize with the lab equipments.

Department of ECE

Ms Padmini welcomed the students and invited the Head of the Department to address the students and welcome them the department as part of Induction Program on 05.08.19 post lunch session. The initiative was taken to familiarize the students to the department and various other activities which are part and parcel to the department. The HoD emphasized on the department vision and mission, POs and PSOs. Further, he gave clear description about the structure of Academic Calendar and the importance of credits. Following are the points which he stated to the first year students and they are: Innovations by faculty in TLP, conduction of experiments and assessment, mentoring, major domains as part of ECE. The head of the department also discussed about special training for the students such as CLAD, CLD, MAT LAB etc. The session was ended by inviting questions from the students and their queries.

Department of IT

Ms Padmini welcomed the students and invited the Head of the Department to address the students and welcome them the department as part of Induction Program on 05.08.19 post lunch session. The initiative was taken to familiarize the students to the department and various other activities which are part and parcel to the department. The HoD emphasized on the department vision and mission, POs and PSOs. Further, he gave clear description about the structure of Academic Calendar and the importance of credits. Following are the points which he stated to the first year students and they are: Innovations by faculty in TLP, conduction of experiments and assessment, mentoring, major domains as part of ECE. The head of the department also discussed about special training for the students such as CLAD, CLD, MAT LAB etc. The session was ended by inviting questions from the students and their queries.

Department of Civil

As part of Induction Program for the first year students the department of Civil took the initiative to familiarize the students to the department, faculty and other facility available in the department. Dr. Chandra, Assistant Professor helped the students to know the faculty, labs, and gave a brief lecture on civil engineering as an engineering branch. He further asked the students to be clear regarding choosing their branch and explained the advantages of studying civil engineering. He named top ten civil engineers of India and their contribution to the society. Finally, he an account of VCE Civil Engineering department and its mission and vision, faculty, labs, equipments which are available in the department. He ended the session by stating that students will have to go for industrial trips and project expos etc in the coming days.

Day-4 (06-08-2019)

Session 1

Speaker Details: Dr. G.V.K. Reddy

Topic: Essential for Career Building

An Induction Programme was conducted by the Department of Freshman Engineering on the 06/08/19 with the intention of introducing first year students and shared the essential knowledge for career building.
Dr. G.V.K. Reddy from the department of Civil of Vardhaman College of Engineering who started his presentation by showing a pie chart to brainstorm the students and to know from the students what was indicating.

Dr. Reddy 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.

Day-4 (06-08-2019)

Session 3 & 4

Topic: Expert Talk by Industry Professional

An Induction Programme was conducted by the Department of Freshman Engineering on the 06/08/19 with the intention of introducing first year students to inspire the first year students to take Engineering and their career seriously. In order to achieve that students were visited their respective departments and attended a talk given by Heads of the department and faculty.

Department of Mechanical Engineering

Department of Mechanical Engineering organized a talk by Staya Prasad Garu on 06/08/2019 as part of Induction Program for first year students to inform the students about the relationship between Mechanical Engineering and industry. Further he added that students must choose the area of interest in the field of engineering and devote their life to it. Next he discussed industry and types of industry which he stated the production industry, manufacturing industry, service industry etc. He pointed out the different departments of Engineering such as marketing, design and development, planning, manufacturing, quality assurance, finance and personal and administration etc could be the great opportunities for the students.

Department of Civil Engineering

Civil Engineering Department conducted the afternoon session on 06/08/19 with the expert lecture on New Challenges in Civil Engineering by Shri Er. Kala Ranjith. The speaker started the session by discussing the importance of Civil Engineering and advancement in day to day technology, scope of civil engineering in private and government sector, professional growth and basic requirements etc. Apart from that he made a presentation on the quality materials used in construction of building, malls and

dams etc. The session ended up clearing doubts of the students and motivated them to excel in their specific areas with perseverance.

Department of Computer Science and Engineering

Department of Computer Science and Engineering organized a talk on 06/08/19 as part of Induction Program for the first year students to make them familiarize industry and engineering. The resource person from TCS asked students to reimaging the future as a Journey through the Looking Glass. Further, he provided some important inputs on the role of future engineering and he asked students to focus on five skills which are required to work in an industry. The five points which students need to work on it are leadership skills, communication skills, organizational skills, tactical skills and strategical skills.

Department of EEE

As part of Induction Program for the first year students visited their department for a talk organized by EEE department on 06.08.2019.The speaker started the session with an ice breaker and distributed slips in which the students wrote the domains they are interested in. Next, the speaker collected the slips and addressed the different domains and gave them tips on how to achieve their career goals. The resource person further discussed regarding importance of respect, placements and the nature of job after doing B.Tech, difference between transmission and distribution of electricity, distribution of generators, power shutdowns and pursuing higher studies in the field of IEEE. The session ended with questions from students about the area of IEEE and they were informed to have a positive attitude towards the coming four years.

Department of IT

The students of IT visited the department as Part of familiarization of the department to the students post lunch session. The session was a briefing on the placement opportunities and placement record at VCE. The session was handled by Dr. S Karunakaran. He discussed on the skills that the student should acquaint themselves with, the eligibility criteria and the training that is provided at VCE to gear up for placements. He emphasized on the significance of writing the mock tests- AMCAT and COBULES as most of the companies have an MoU with these consultants.

His talk was followed by an industry expert session by Sri N Venkatesh, chairman IEEE, Hyderabad section and senior vice president, Redpine signals Hyd. He shared real time experiences with the students and suggested them to gain a hand on experience on the subject. He said electronics is the new electricity and there is no enterprise without electronics. He emphasized on quality than quantity and focused on gaining knowledge. The session was concluded with an interactive session. An activity TOT – talk on topic was conducted.

Department of ECE

The students of ECE visited the department as Part of familiarization of the department to the students post lunch session. The session was a briefing on the placement opportunities and placement record at VCE. The session was handled by Dr. S Karunakaran. He discussed on the skills that the student should acquaint themselves with, the eligibility criteria and the training that is provided at VCE to gear up for placements. He emphasized on the significance of writing the mock tests- AMCAT and COBULES as most of the companies have an MoU with these consultants.
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Day-5 (07-08-2019)

Session 1 & 2

Speaker Details: Aruna Kappagantula

Topic: Social Entrepreneurship

As part of Induction program for first year students 2019-20, the department of Freshman Engineering organized a talk on Social Enterprise "Bamboo House India" by Aruna Kappagantula to create sustainable livelihood opportunities to rural and tribal communities.

Miss Aruna Kappagauntula addressed the first year students by asking thought provoking questions. Next she introduced the students to the social enterprise "Bamboo House India" and how to utilize

bamboo for creating low cost bamboo shelters and create sustainable livelihood opportunities the poor people. She inspired students to take social entrepreneurship to solve the societal problems.

Later, she explained the importance of being passionate and determined about the profession students are going to choose. She elaborated this while providing her life story to the students and what are the problems she faced while following her passion. Further, She inspired students to not give up and how do they can face failure and turned it into success.

She interacted with students about choosing their path and having goal. There was an interesting discussion between the speaker and students regarding money and happiness. Later, she explained having different opinions of the people in society about start up and enterprises. The session was ended with clearing the doubts of the students and with a beautiful video which gave message of NEVER GIVE UP.

Day-5 (07-08-2019)

Session 3

Speaker Details: Prof. Vivek Kurlkarni

Topic: Competency Development

As part of Induction program for first year students 2019-20, the department of Freshman Engineering organized a talk on Students Development Cell which is provided by Vardhaman College of Engineering to help the students in order to acquire or develop some basic skills which would enable them to get job opportunities.

Prof. Kurlkarni briefed the students while explaning them to understand the difference between knowledge and skills. He too discussed about the ability which is inherent or inbuilt. Further, he explained the kind of role students development cell would play in the coming days. His main focus thorughout the session was skills, ability, and knowledge. Next he defined competency as the ability to apply set of related knowledge, skills and abilities to successfully perform certain task.

He did several activity with the students and the type of activity involved the learners in a group or pair work to perform certain task. He ended his presentation with a brainstorming puzzle which was really liked by the students.

The session was completed by clearing some doubts of the students. The session was really praiseworthy as it involved the learners and learning took place.

Day-5 (07-08-2019)

Session 4

Speaker Details: Prof. Manish Srivastava

Topic: Placement Opportunities

As part of Induction program for first year students 2019-20, the department of Freshman Engineering organized a talk on Placement Scenario by Manish Srivastava from Vardhaman College of Engineering.

Mr. Srivastava discussed in detail about the job prospects, future of engineering, and the expected outcome after the four years. His primary focus was on vitality dynamics in which he stated that present scenario demands skilled and a competent communicator to get the job opportunities. He inspired first year students to focus on people skill, enthusiasm, communication skill, logical reasoning and analytical ability, learnbility, decision making, consistency and sound base in technical skills.

He stated that students must learn to develop their technical competency and vitality dynamics in order to fulfil the demand of the market. He ended his sessions by suggesting few books to students to read which may change their life.

Day-6 (08-08-2019)

Full Day Session

Topic: Visit to Kanha Shanthi Vanam, Hyderabad

As part of the Induction Programme for the First Year students, a visit was organized to the Heartfullness Institute, Hyderabad on the 08-08-2019.

Upon arriving at the Heartfullness Institute, the students were welcomed by their resource persons at their open auditorium and an introduction was given on the institute's outreach and its various programmes regarding the overall wellbeing of an individual. Students were introduced in to the concept of making life a big success through a simplistic method of understanding concentration as well as focus in improving day-to-day activites. The introductory session was utilized in making the students aware of making a difference in their way of thinking.

The second part of the morning session was strictly practical as two school students demonstrated their enhanced cognitive abilities in front of the First Year students. Ms. Upma, explained her programme 'Brighter Minds' as something that is unique in enhancing the capabilities of younger minds. This

demonstration was used as a stepping stone to build the larger narrative of 'Neuroplasticity'; a concept of increasing the neuro-sensory abilities of an individual.

The third and final part of the morning session was used to introduce students to the world of meditation. Quick ways achieving the realm of peace was shown to students through a series of simple isntructions. Both the faculty and the student community went through a period of meditation and feedback on the session was given after that.

In the post-lunch session, a rewinding of the meditation process from the morning session was done and the day brought to an end with the team of resource persons at the Heartfullness Institute informed the students of the next day's modules to be shared at the venue of the Induction Programme at Vardhaman College of Engineering.

Day-7 (09-08-2019)

Session 1

Speaker Details: Dr. P Martin Jebaraj

Topic: Research Opportunities

As part of the Induction Programme for the First Year Students 2019-20, Prof. P Martin Jebaraj, Dean, R&D, Vardhaman College of Engineering delivered a lecture on 'Research Opportunities'.
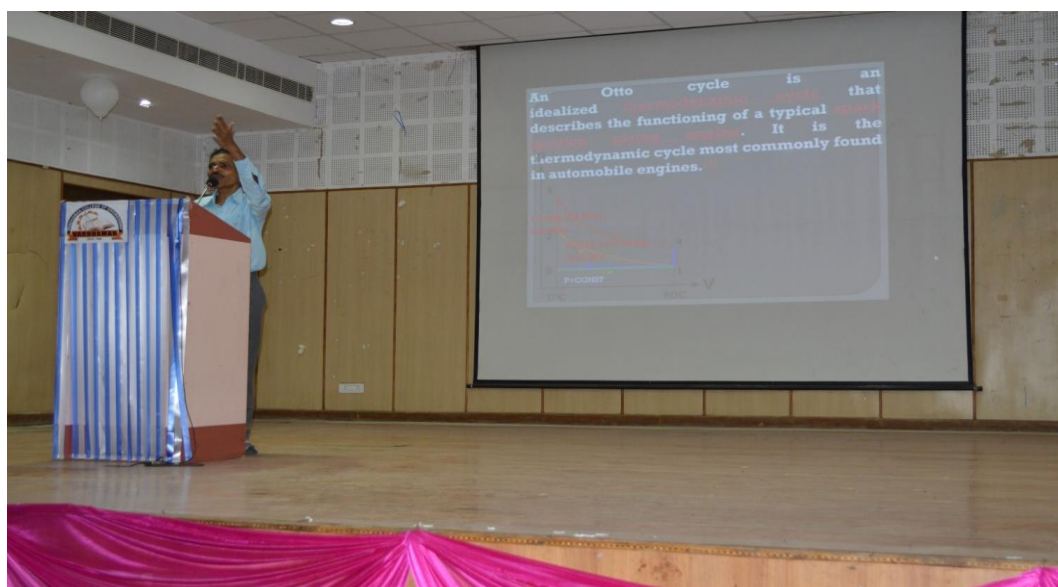
In his introduction to the session, Prof. Jebaraj laid out the basics of research in the Engineering field and spoke briefly about the need to cultivate an interest in accomplish something in life. He stressed the fact that only research can take a branch of knowledge forward and without research every branch of knowledge will remain stagnant. Through a variety of short video, Prof. Jebaraj made it easy

for the students to understand how vital research and innovation is in the ever-changing field of engineering.

In the second part of his session, Prof. Jeberaj shifted his focus to improving critical thinking. He maaintained that only critical thinking would enable innovations and finally culminationg in the overall improvement of the society. He urged the students to understand the need for focus in research. In the final part of his session, Prof. Jebaraj invited attention of the audience to the example of the innovation of motor car, its historical background and the changes it has brought in the way humanind travelled until then. With the help of a video clip, he narrated how a thought was formed and how it was made into practice through focused research and various innovations that controbuted to the overall result we see today.

As conclusion to his session, Prof. Jeberaj remarked that innovation remains the key to success and decides one's future. He hoped that more and more students will go in to research and make lives better.

Day-7 (09-08-2019)

Session 2

Speaker Details: Prof. Y Pandu Rangaiah

Topic: Industry-Institute Activities

As part of the Induction Programme for the First Year Students 2019-20, Prof. Y Pandu Rangaiah, Associate Dean, Outreach, gave a talk on 'Industry Institute Activities' on 09-08-2019.

Prof. Pandu Rangaiah began his session by addressing them on the various future plans that they might have reserved for their post-B.Tech period. He himself gave four options as 'employment', 'higher degree', 'business', etc to which students responded positively. He briefly narrated the course attributes and programme outcomes for the information of the students and made it clear that the latter were after careful deliberations on the standards of the industry. He said that his session was aiming at inviting the attention of the students to the various ways in which one can be industry-ready. He implored the students to be positive towards the number of programmes implemented by the college for facilitating the evolution of students from ordinary students to high quality professionals for becoming a part of the industry.

Prof. Pandu Rangaiah listed out a few such programmes for the information of the students; BEC Certification for improving the LSRW skills, the Comunicative English course, various other seminars, workshops and NPTEL courses aiming at improving the technical skills, Placement and Training Center's courses on Interview Skills, Graduate Aptitude Test etc. He pointed out programmes by various departments that are conducted periodically to strengthen the industry-institute relationship such as the TCS Ninja Test in which the programming skills of the student are brought under the scanner to verify if they are industry-ready or not.

Prof. Rangaiah concluded his talk by assuring that the college is ready to meet the demands of the students in meeting the industry standards.

Day-7 (09-08-2019)

Session 3

Speaker Details: Dr. P. Srinivasulu

Topic: Library Facilities

As part of the Induction Programme for the First Year Students 2019-20, Dr. P Srinivasulu, Librarian, Vardhaman College of Engineering organized a session titled 'Library Orientation'.

In his orientation, Dr. Srinivasulu welcomed students to the library facilities and re-assured them that the library of Vardhaman College will remain open to all their acadmic purposes. He elaborated on the various services offered by the library and emphasised that if put to its best use, the library can facilitate a successfull academic career for the students.

Dr. Srinivasulu furhter explained the rules of the library that the students are required to follow along with the way the library must function with the student's best interests. He implored the students to refer through the research journals to see the newest developments in their respective area and keep themselves updated. He emphasized that the students must learn to think from research oriented point of view and that the library of the college is equipped to serve the needs of the students in all engineering fields.

Dr. Srinivasulu cocue hnldsid session by introducing the students to the library timings, membership process, circulation policies, etc.

Day-7 (09-08-2019)

Session 4

Speaker Details: Prof. Md. Asif

Topic: Extracurricular Activities

As part of the Induction Programme for the First Year Students 2019-20, Dr. Md. Asif gave a detailed talk titled 'Introduction to Student Affairs Division' on 09-08-2019.

Dr. Md. Asif, Associate Dean, Student Affairs, Vardhaman College of Engineering, began with a rousing welcome to the students. He provided the students with a basic understanding of what 'Student Affairs' stand for; elevating students' life experience, to establish a working relationship within the academic community, to create a student-centric environment, to facilitate personal growth, to nurture student life by engaging in co-curricular and extra-curricular activity etc.

In the second part of his talk, he explained what the 'Student Affair Division' means in the context of Vardhaman College of Engineering. He made the student understand the primary aim of the Division as building life-long friendships and human contributions. He explained the function of the office of the Student Affair Division as also something that would help facilitate industrial visits, time management, inter-personal skills and often in reducing stress.

Dr. Asif also enthralled the students by narrating the different student-centric activities in the college such as Cultural Festivals, Sports Events, NCC, NSS etc. In the last part of his speech, Dr. Asif explained the function of various student clubs in the college. He listed out a variety of clubs that function under the broad supervision of the Student Affairs Dvision such as the CyberSync Club, the Robotics Club, the Nirmaan Club, the Nuts & Bolts Club, the Raaga Club, the Literature Club, the Genesis Club etc.

While concluding his session, Dr. Asif urged the students to enroll in the various clubs according to their preference and utilize the campus life to its fullest.

Day-8 (13-08-2019)

Session 1

Speaker Details: Dr.V. Srihari

Topic: Project Management Tools and Techniques

As part of the Induction Programme for the First Year Students 2019-20, Dr. V. Srihari, Professor and HOD of the department of MBA gave a detailed talk titled 'Project Management and Engineering Education' on 13-08-2019.

Dr. Srihari started his talk by giving students an idea about management principles that can be applied in education as well as life. The introduction part of his talk focused mainly on the number of students enrolled for engineering, the recruitment process and the placement opportunities in India, especially in Telangana.

The second part of his session concentrated more on tips on getting employed in a reputed company, firm or organization. He gave a quick introduction to different quotients; intelligence, emotional, physical, curiosity and adversity. He highlighted the importance of the session by quoting a favorite line of Narayana Murthy, 'Under promise, over delivery.'

The third part of the session was used for explaining the way various engineering related industries work. Dr. V Srihari gave the students a vivid glimpse of how industries work. He explained the qualities of an employer in three terms; Talent Acquisition, Talent Development and Talent Retention. He urged the students to make use of the different programmes in the institution to contantly polish their talent to suit the requirements of the industry.

Dr. Srihari concluded his session by underlining the importance of professionalism and talent-nurturing in all the engineering streams.

Day-8 (13-08-2019)
Session 2
Speaker Details: Dr. Ravivarman
Topic: ICT in Education

As part of the Induction Programme for the First Year Students 2019-20, Dr. Ravivarman Professor, Department of Electronics gave a detailed talk titled 'Project Management and Engineering Education' on 13-08-2019.

Dr. Ravivarman introduced the students to the conecpt of ICT as employed in engineering education as a system to transfer information. He explained ICT as a tool to improve the teaching-learning process. He highlighted and connected the potential of ICT to Planning and Management, Access to Information, Efficiency, Learning, Teaching, Skills Formation, Lifelong Learning and Language. He said that by understanding the tools of learning, students will understand how to use them to learning new techniques as well as new methods of learning.

After explaining the necessity of employing ICT Tools, Dr. Ravivarman elaborated on its benefits. Easy to access material. Wide student participation, large-sclae motivation of students, a shift from teacher-

centric learning to student-centric learning and even active learning are seen as some of the benefits of ICT.

In the last part of session, Dr. Ravivarman elaborated on various open source tools for introducing ICT. While Google is majorly used as a search engine, WordPress is known as a easeir tool to create our webpage so that information can be provided to those who seek it. He also gave the students a proper awareness of online learning platforms as OpenLearn, MIT's OCW, Xpert, Khan Aacademy, NPTEL-Swayam, etc and encouraged the students to learn from as many as possible.

Day-8 (13-08-2019)
Session 3
Speaker Details: Dr. A. RajaniKanth
Topic: Entrepreneurship
An Induction Programme was conducted by the Department of Freshman Engineering on 13/08/19 with the intention of introducing first year students to share knowledge of understanding the importance of choosing Engineering as a profession.

Dr. Rajanikanth, Head of the Department of Computer Science, who discussed about the 'Essence of Innovative and Entrepreneurship'. He explained the goal of Centre for Innovation and Incubation (CIE) at Vardhaman College of Engineering and it promotes and supports technology based entrepreneurship spirit among the graduated and graduating students of Vardhaman.

Later, he provided different business ideas and spoke about its importance which is essential for students in their professional life. He also gave opportunities to two senior students who have gone for start-up teams, OUTORAL and FATKAT. The team shared their journey and experience to the first year students. Next they had explained about their start-ups.

Their talked involved the goal of CIE and how it promotes and supports technology based entrepreneurship spirit. Finally, the details regarding funding, mentors who helped the mentees to nurture the ideas and start-ups and entrepreneurs were provided to the students. The session was ended with clarifying some doubts of the first year students.

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Day-8 (13-08-2019)

Session 4

Topic: Co-curricular Activities (Professional Society Activities)

As part of Induction Program for the first year students of 2019-20 visited their departments for post lunch session. All the departments took different initiatives for the talk and familiarizing the students with the department.

The Department of Mechanical Engineering stressed on innovative ideas. They also urged the students to work on their presentation skills and self introduction skills as the department has found them to be important for student placements. The Head of the Department of Mechanical Engineering asked the students to focus on gaining non-technical skills during the first year.

The Department of CSE welcomed the students formally. The Head of the Department of CSE spoke briefly about sharing business ideas and the advancement of new technologies and their impact on today's life. He also stressed on their Center for Innovation and Entrepreneurship and asked the students to work hard to be a part of it.

The Department of IT focused on the recent developments in IT and its tools and techniques. The Head of the Department of IT spoke about the future of IT in future and stressed on developing competency.

The Department of ECE welcomed the students and their faculty introduced roles and responsibilities of a students of ECE and gave a glimpse into the activities that are conducted in the different societies in ECE such as IETE, ISTE, IEEE etc.

The Department of EEE discussed about their annual magazine and invited the students to work on their career skills as well as be a part of different department organizations such as ETA, ISTE, IEEE etc.

The Department of CE focused on the advancement in day to day technology. The faculty also spoke about the scope of Civil Engineering in both private and government sector in the present and in the future. The Head of the Department focused primarily on achieveing the basic requirements for professional growth.

Day-9 (14-08-2019)

Session 1

Speaker Details: Dr. K Mallikharjuna Babu

Topic: Curriculum Framework

As part of the Induction Programme for the First Year Students 2019-20, Dr. K. Mallikharjuna Babu,Director & CEO, Vardhaman College of Engineering gave a talk on 'Transformation'.

Dr. Mallikharjuna Babu began his talk rather unconventionally albeit in a social manner, inviting answers from the student community to establish their understanding about the institution, their chosen engineering department and their future. He made them aware of the chaging realities and changing methods of engineering education to face the job market in the future where a digital revolution might be in effect. He spoke briefly about the how an effective utilization of time in the academic environment can be managed by students.

Dr. Babu further went on to make the students understand how to focus on wholesome education. He assured that by learning to focus on the cognitive, effective, locomotor and social dimensions, staudents can be assured that comprehensive and conclusive learning experience happen.

While concluding his session, Dr. Babu urged the students to be thorough with the course and programme descriptions in order to ensure maximum benefits from them so that they meet the required industry standards.

Day-9 (14-08-2019)

Session 2

Speaker Details: Prof. S. Rajendar

Topic: First Year Curriculum Structure

As part of the Induction Programme for the First Year Students 2019-20, Prof. S. Rajendar, Head of Freshman Engineering, provided them with a detailed presentation on First Year Curriculum Structure.

Prof. Rajendar welcomed the students formally again and emphasised on the importance of understanding their courses, the credits offered for each of them, the assessment details, the course articulation matrix, the CO's, PO's and the PSO's etc. The students were brought to an understanding through a semi-formal Q&A session and each engineering batch was offered an in-depth analysis of the upcoming two semesters. Prof. Rajendar listed out each course for the first and second semesters and explained the importance each of those courses have on the larger aspect of an engineering programme.

Also, Prof. Rajendar explained the different levels of the Bloom's Taxonomy to the students with the intention of making them understand the levels of learning they undergo as per the design of the curriculum. He emphasized the effects of Outcome Based Education and urged the students to realize the Mission and Vision of the institution to understand where it stands and how further it can go. He also spoke briefly about the Thinking-Learning Process and urged the students to understand how important it is to be focused and pro-active.

Day-9 (14-08-2019)

Session 3 & 4

Topic: Extracurricular Activities

An Induction Programme was conducted by the Department of Freshman Engineering on 14/08/19 with the intention of introducing first year students to share knowledge of understanding the importance of choosing Engineering as a profession. On the last of the program, the post lunch session was completely scheduled for the Cultural activities.

Dr. Md. Asif, the Associate Dean, Student Affairs of Vardhaman college of Engineering and his team performed as part of Induction program 2019-20 to end the two weeks of Induction in a grand style.

Many students from second and third years participated in dance, singing a song and informing the first year students regarding the various clubs which exist on the campus. Some first year students participated in the cultural activity as well.

The two week of induction program 2019-20 was ended with Dr. Asif speech and asking students to join the clubs and participate in each and every activity.

Head Freshman Engineering
Head of the Department
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