

REPORT ON
INDUCTION PROGRAMME
FOR
I B.TECH STUDENTS
(2019 ADMITTED BATCH)



GUDLAVALLERU ENGINEERING COLLEGE
(An Autonomous Institute with Permanent Affiliation to JNTUK)

SESHADRI RAO KNOWLEDGE VILLAGE:: GUDLAVALLERU

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GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)
Seshadri Rao Knowledge Village, Gudlavalleru – 521356, Krishna District (A.P.)

Induction Programme for I B.Tech Students

Academic Year: 2019-20

7 August - 24 August 2019

Objectives of Induction Programme

- To create awareness about engineering education and their chosen field.
- To motivate the students for their studies and for excellence in their profession.
- To promote bonding between the students and to build relation between teachers and students.
- To give a broader view of life and understanding of self, people around them, society at large, human relationships, and nature.
- To make the students understand the importance of building and nurturing character, making it an essential quality of one's life, be it a professional life, civilian life, or as a human being.
- To impart several meta skills and underlying values to students.
- To make students feel comfortable in their new environment and to open them up.
- To set a healthy routine.
- To help them develop team work and enhance creativity.
- To create awareness on the communication and other skills required by the employers.

SCHEDULE OF THE PROGRAMME

Sl. No	Date	Name of the Event and Resource Persons/ Organization				
		FIRST WEEK				
		FN Session			AN Session	
1	07-08-2019	Registration & Parents meet				
2	08-08-2019	YOGA (06.30AM to 07.30AM)	"Introduction to SIP 2019" Dr.G.V.S.N.R. V.Prasad (09.00AM to 10.00AM)	Classical Dance: An Instrumental to attain eternal life By Sri.Vedantam Ramalinga Sastry & Team Principal, Kuchipudi Art Academy, Kuchipudi (10.00AM to 12.30PM)	"Classical Music" a Path to Glorious life Ms.Lakshmi Narasamma & Team Ghantasala Music College, Vijayawada (01.30 PM to 04.40 PM)	Sports & Games (04.40PM to 06.00PM)
3	09-08-2019	YOGA (06.30AM to 07.30AM)	Orentation by DEPARTMENTS (9.00AM to 12.30PM)		Visit to Department Labs (01.30PM to 04.40PM)	Sports & Games (04.40PM to 06.00PM)

SCHEDULE OF THE PROGRAMME

		Name of the Event and Resource Persons/ Organization						
Sl. No	Date	SECOND WEEK						
		FN Session			AN Session			
4	13-08-2019	YOGA (06.30AM to 07.30AM)	Playing of Videos (09.00AM to 10.00AM)	"Power of Habits" Ramana Kumar Prabhu, Hyderabad (10.00AM to 12.30PM)		Training and Placement Requirements and Challenges" Sri.K.Sai Krishna , Gudlavalleru (01.30PM to 03.30PM)	"Tips for Healthy living" by Dr.Ch.Ravinder (Homeopathy-Gudivada) (03.30 PM to 04.30 PM)	Sports & Games (04.40PM to 06.00PM)
5	14-08-2019	YOGA (06.30AM to 07.30AM)	Playing of Videos (09.00AM to 09.30AM)	Talk on "Informative Life in Digital Era - A Goal to Young" Prof. Y. K. Sundara Krishna Vice-Chancellor, Krishna University (09.30 AM to 11.00 AM)	Nature - Technology - Society Dr.M.Kama Raju , Professor & Mentor (AS&A) (11.00 AM to 12.30 PM)	Origin & Development of Telugu Language Dr.Addanki Srinivas , Chief Deputy Editor Eenadu (01.30PM to 04.40PM)		Sports & Games (04.40PM to 06.00PM)
6	16-08-2019	YOGA (06.30AM to 07.30AM)	Playing of Videos (09.00AM to 09.30AM)	"Indian Heritage, Culture and Guruparampara" by Sri.Y.V.K.Jagan Guruji (09.30 AM to 11.30 AM)	Learning Characteristics Dr.B.Karuna Kumar , Vice Principal - Administration (11.30 AM to 12.30 PM)	"Fire Safety Mesures" by AP State Disaster Response and Fire Services Department, Gudivada (01.30PM to 04.40PM)		Sports & Games (04.40PM to 06.00PM)
7	17-08-2019	YOGA (06.30AM to 07.30AM)	Playing of Videos (09.00AM to 09.30AM)	Department Activities (09.30 AM to 11.00 AM)	"Indian Constitution and Article 370" Sri.P.S.S.V.Suresh, Advocate, High Court Andhra Pradesh, Amaravathi (11.00 AM to 12.30 PM)	Alumni Interaction (01.30PM to 04.40PM)		Sports & Games (04.40PM to 06.00PM)

SCHEDULE OF THE PROGRAMME

Sl. No	Date	Name of the Event and Resource Persons/ Organization							
		THIRD WEEK							
		FN Session				AN Session			
8	19-08-2019	YOGA (06.30AM to 07.30AM)	Playing of Videos (09.00AM to 09.30AM)	"General Education, Motivation, Character Building and Human Relations" by Sri.K.V.S.G.Murali Krishna (09.30AM to 04.40PM)				Sports & Games (04.40PM to 06.00PM)	
9	20-08-2019	YOGA (06.30AM to 07.30AM)	Playing of Videos (09.00AM to 09.30AM)	"Personal Effectiveness" by Sri.B.V.Satya Nagesh, Psychologist (09.30AM to 12.30PM)		A Talk on "Developing a positive self - Image" Dr.Ramanujam Parthasarathy (01.30PM to 02.15PM)	"Role of Swamy Vivekanada: Young minds" Upadrusta Venkata Ramana Murthy, Professor Vijayawada (02.15PM to 03.35PM)	"Avadhaana Prakriya - Vekthithva Vikasam" Sri.Pala Parthi Syamalananda Prasad, Dwi Bhasha Avadhaani (03.35PM to 04.35PM)	Sports & Games (04.40PM to 06.00PM)
10	21-08-2019	YOGA (06.30AM to 07.30AM)	Playing of Videos (09.00AM to 09.30AM)	A Talk on "Inventions by Old Indian Engineers and Values" Padmasri Sri Turlapati Kutumba Rao Garu Programme (09.30 AM to 10.30 AM)	"Youth and Mental Health" Sri.Krishna Bharath & Sankar, Psychologists (11.00 AM to 12.30 PM)	"Indian Economy" Dr.Ch.Nirmal Chand (01.30 PM to 02.30 PM)		"English Department Activities" (02.30PM to 04.30PM)	Sports & Games (04.40PM to 06.00PM)
11	22-08-2019	YOGA (06.30AM to 07.30AM)	"Interaction to GEC Library" by Librarian N.Rama Rao (09.00AM to 09.30AM)	"Road, Licence rules and regulations" Sri.A.Chandra Sekhar Reddy, Road, Transport & Cityzen Officer and Team (09.30 AM to 10.30 AM)	"Importance of Sports and Games, Body Fitness Motivatiion" Dr.K.Rama Subba Reddy (10.30AM to 12.30PM)	"Interaction of Self Employed and Working Class: & Social Service: Experiences" by Doctor B.Syama Sundar & Interaction with Different People in the Society (01.30PM to 03.30PM)		Sports and Games, Physical Activities (03.30PM to 04.30PM)	
12	24-08-2019	YOGA (06.30AM to 07.30AM)	Playing of Videos (09.00AM to 09.30AM)	Department Activities (09.30AM to 12.30PM)		Freshers' Evening			

Name of the Activity: Registration and interaction with first year students and their parents

The induction program started on 7 August 2019 with the registrations of newly admitted students. After the completion of registration process, a meeting of college authorities with the students and their parents was arranged to bring awareness among the students about their chosen B.Tech courses and to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration.



Name of the Activity: Introduction to SIP 2019 and Glimpses of SIP 2018

Speaker: Dr.G.V.S.N.R.V.Prasad

Objective: to orient students with the concept of SIP

Salient Points Conveyed: Dr.G.V.S.N.R.V.Prasad, vice principal (academics) welcomed all the newly joined students to the second day of Student Induction Programme (SIP). He gave the overall picture of SIP by using a detailed power point presentation. Moreover, he explained the importance of the Induction Programme and the objectives and outcomes of this Zero Semester to the students. Recalling the events held during SIP 2018-19, he gave the three week schedule of the programme along with the list of famous personalities invited on this occasion. Further, he also added how each student is going to get benefited by this event and how these events will make the students ready for Engineering education.



Title of the session: Classical Dance – An instrument to attain eternal life

Speaker: Dr.Vedantam Ramlinga Sastry

About the topic and speaker: India has Classical art forms which are unique to the region and language of its varied peoples. As *avadhanam* is unique to the Telugu speaking people, the *Kuchipudi* dance form is also unique to the Telugu Culture. Tamil, Malayalam and Odia people have their own classical dance forms viz. Bharata Natyam, Kathakali and Odissi. Unlike other South Indian classical dance forms, Kuchipudi is the name of the village in Krishna district where this dance form has been codified by its exponent *Sri Siddhendra Yogi* in the 12th Century.



Potti Sri Ramulu Telugu University in Hyderabad supports Kuchipudi training through '*Sri Siddhendra Yogi Kalakshetram*' located in Kuchipudi where training is offered in various classical art forms including Kuchipudi. Gudlavalluru Engineering College invited the Principal of *Kalakshetram*. *Dr.Vedantam Ramlinga Sastry* and his students to come and perform in the programme. *Sri Sastry*

introduced the *Natya Sastra* to the audience which is a classical work on performing arts. All the dance styles in India, viz. Bharata Natyam, Kuchipudi, Kathak, Kathakali, Mohini Attam, Odissi, Manipuri have their roots in Bharata Muni's *Natya Sastra*. All these styles have their unique expression, dressing, makeup, facial expressions intensity and story line. The very first codification of this art form is attributed to Sri Bharati Muni's work '*Natya Sastra*' and is dated to the 2nd century B.C. This work has about 6,000 verses which are grouped into 36 chapters.





the pose, movements, mudras, sequences and so on were demonstrated by his students as he explained the significance of each of them. One of the performers hails from a poor family in Telangana and has left everything behind to learn and master this dance form. He gave an impressive performance. Just like any art form, Kuchipudi is formally taught and one can pursue up to doctoral studies. Exponents

Dance is also a medium of communication which engages our powerful faculties, the sense of sight and sound simultaneously, thus making a powerful impact on the audience. The sense of harmony, aesthetics and order is entailed by a detailed grammar akin to spoken language where letters make words, which make sentences, paragraphs and so on to communicate simple or complex ideas. Similarly,



of this dance form have travelled widely in the world to give performances. Unlike music trends such as pop, hip hop, rock and roll, Jazz which came and went classical dance forms have retained patronage over hundreds of years and continue to enthrall audience worldwide. The students thoroughly enjoyed the performances by artistes of their age group and learned the concepts of classical dance.

Date: 8 August 2019

Time: 1:30 PM -4:40 PM

Title of the session: Classical Music – a Path to Glorious life

Speaker: Ms.Lakshmi Narasamma & Team Ghantasala Music College, Vijayawada

About the topic and speaker: Carnatic Music is the South Indian classical music tradition encompassing all the states speaking Dravidian languages. The 'Kritis' or compositions in Carnatic music are in Sanskrit as well as Tamil, Kannada and Telugu. Historically, music has been used by the classical composers as a medium to connect with divinity. As such compositions are intended to compose and concentrate over energies inward. Music is defined and regulated to the finest detail with grammar and



constructs. Film music which is so popular in the Telugu states across age, socio-economic divides, draws its inspiration from classical music. All the accomplished music directors and playback singers have trained in classical music before starting their career in the film industry.

Smt. Kandula Lakshmi Narasamma, Lecturer of Vocal Music at Ghantasala Venkateswara Rao Government Music College, Vijayawada and her team of vocalists and instrumentalists along with singers Ms Vaishnavi, and Mr Mallik were invited. Smt. Narasamma introduced classical music and demonstrated how it is a part of every one's life. She also has introduced the domain of Indian classical music and its two main divisions, the Hindustani tradition of Northern India and the Carnatic Tradition of Southern India. She herself is born into a family of accomplished music exponents. Her grandfather who worked at Akashvani, Vijayawada known to the Telugu people as Mallik who has rendered tunes to Annamacharya's Kirtanas.



She recounted the stories of the legendary personalities and their contribution to Carnatic music starting with Purandara Dasa who is considered the originator of the Carnatic Tradition. Music, like Language, has Sa, Ri, Ga, Ma, Pa, Da, Ni, as the letters which

are grouped to form svaras, svaras to ragas, and so on. There are 72 Mela Karta ragas which form the basis for the entire corpus of classical compositions.



After introducing the structure and the components of Carnatic Music, the team has picked up specific ragas and performed the classical composition and followed it with a popular film song that draws upon the classical one's lines, tune or rhythm. This was a revealing moment for all the audience. It was really great to see the blatant appropriations of classical music and its works in popular film music.

While the classical composition was played, many a student had guessed, sometimes correctly, the film songs that were based on it. The team leader Mrs. Narasamma narrated her experiences with younger audience in classical music concerts who would mistake the film version to be an original and the classical version to be a copy of the filmy one. It is understandable when remix artists would take popular film songs and sing religious lyrics to that tune.

The entire program was engaging yet relaxing for all. Music can relax, heal and rejuvenate a person to renew their endeavours with fresh energy.

Title of the session: Orientation by DEPARTMENTS

About the Activity: Gudlavalleru Engineering College hosted a tour session of their college designed for newly admitted B Tech students that included information about their branch, course of study, the curriculum and extracurricular opportunities. All the newly admitted students of I B Tech were taken to their respective departments on 9 August 2019, the third day of the Induction Programme. In the fore noon, the students of all six branches, namely Civil Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Electronics and Communication Engineering, Computer Science and Engineering and Information Technology, paid a visit to their departments accompanied by the faculty concerned.

Moreover, the students were introduced to the Heads of the departments and all the faculty members as well. The Heads of the Departments interacted with the students to give a bird's eye view of the significance of their branch. Further, they were shown the videos on the importance and innovations of their respective engineering fields. It is evident that the video sessions helped students to increase the passion for learning in their young minds. The event ended at 12.30 pm and the students went for lunch.



Title of the session: Visit to Department Labs

About the Activity: In the afternoon, at 1.30 pm, again all the students gathered, according to their branches, at their respective departments and then faculty members took them to the various departmental laboratories. The students were given inputs on what the laboratories are meant for and how they can be utilized in their academics. They explained to the students how important the laboratories for the students of technical education are and also how the theoretical knowledge they gain in the classroom can be put in to practice in the laboratories. The faculty gave the live demonstration of the equipment in the laboratories which helped the students to understand the utilization of the machinery.

Later, the faculty gave brief details of the departmental associations and how they function for the all round development of the students during the four years of their education in the college. And, also added that taking part in all the activities conducted by the association is very important to the students to improve their technical and communication skills which ultimately help them to become employable at the end of their graduation. Faculty advised the students to make it point to visit the departmental libraries and central library of the college as well for reference books on their subjects.

Further, they encouraged the students to join different clubs, such as Cultural club, Green club, Literary and Dramatic club, Coding club and so on, established in the college for the purpose of enhancing the skills of students in their field of interest. Senior students addressed the new students and shared their best experiences with their juniors.

Furthermore, different activities were conducted to the students to make the event a memorable experience to them. The sessions came to an end at 4.40 pm.

Title of the session: Power of Habits – A self introspective session

Speaker: Sri Ramana Kumar Prabhu, Hyderabad

“The difference between who you are and who you want to be is what you do!”
-Sri Ramana Kumar Prabhu

About the topic and speaker: On the fourth day of Student Induction Programme (SIP) for the newly joined I B Tech students, Gudlavalleru Engineering College invited Sri Ramana Kumar Prabhuji from Hyderabad to take a session on “Power of Habits”. Sri Ramana Kumar began the session at 10 am with his personal experiences which attracted the students to get into the mood of the occasion.



While interacting with the students, the speaker told that 45% of the decisions we make each day are



actually habits. And hence, our habits play a vital role in our day to day life. Further, he gave the list of negative habits which hinders us to achieve our goals in life. For instance: Going to bed late, Exercising excessively/not exercising at all, Not setting goals, Procrastination, Impulsiveness, Negative self talk, Criticizing others, Over eating, Being workaholic and Over committing to things and so on.

Later, he appealed all the young boys and girls to inculcate good habits to achieve success in future. Moreover, he talked about the importance of “Seven Good Habits” which will help us to shape our career in a right path. Going to bed early, Exercising daily, Eating healthy food, Meditation, Developing a positive mindset and Writing diary at the end of the day will bring a greater change in our daily routine. Finally, he asked all the students to write in their note books any three habits they are going to develop from today and requested them to follow them without fail.



Date: 13 August 2019

Time: 1:00PM - 3:30 PM

Title of the session: Training and Placement Requirements and Challenges

Speaker: Sri.K.Sai Krishna, TPO, GEC

About the Activity: In the afternoon, at 1.30pm, Sri Kota Sai Krishna, Training and placement Officer of the college, **Sri. K. Sai Krishna** addressed the students on the topic, “Placement Opportunities, Requirements and Challenges”. The session focused on the life skills rather than the knowledge in the textbooks. “The objective of the learning should increase the ability to question in the minds of the young students” said Sri Sai Krishna.



Later, he explained to the students the most important skills required for placement opportunities. For instance, effective communication skills, sound technical knowledge along with necessary soft and life skills are mandatory for all the students of engineering to get a job at the end of the graduation. He emphasized the significance of GATE for the students which open an ocean of opportunities in public sector jobs besides providing seats in Masters Degree in IITs and NITs. He also emphasized the importance of international exams such as GRE, IELTS/TOEFL to get admissions into Masters Programmes in foreign universities. The session was not only informative but also inspirational.

Title of the session: Tips for Healthy living

Speaker: Dr.Ch.Ravinder

“Health is like a bank balance” - Dr Raveendar.

About the topic and the speaker: Dr.Ch.Ravinder, Homeopathic, Gudivada, while talking to the students, said that the basic philosophy of life is to ‘live’. He started by explaining that the food what we eat in the present days is quite different from what older generations consumed. The older generations ate ‘whole’ foods that were easily digested. They also ate fresh food and what was grown by them locally. Thus growing food, preparing it and consuming it has become an important part of Indian culture. However, in today’s digital world, food is considered just a fuel and we consume highly processed ‘refined’ foods that give ‘instant’ energy which has a negative effect on human health and initiates many diseases. Fiber which was responsible for slow digestion and sustained release of energy is now almost absent in the refined foods.

Further, he talked about the latest innovations and technological advancement in the field of medicine. Finally, he spoke on fats which are also an essential part of our diet and it is in fact these that impart taste to our food. It is recommended to reduce the intake of fats. Increase of cholesterol in blood can lead to coronary diseases. Particularly,



the more refined an oil is, the healthier it could be. Especially, fast food, soda has high content of sugar, salt and refined oil, which are all bad for human health. Furthermore, Dr. Raveendar emphasized the need of regular exercise to avoid diseases like diabetes, hypertension and obesity.

Date: 14 August 2019

Time: 9:30AM - 11:00AM

Title of the session: Informative Life in Digital Era - A Goal to Young

Speaker: Prof. Y. K. Sundara Krishna

“Universe is running in and around digital system”, said by Dr Krishna.

About the topic and the speaker: Dr. Y. K. Sundara Krishna, In charge Vice Chancellor, Krishna University, While addressing the students, emphasized the importance of Mathematics in Computer Science and Engineering and other branches as well. He explained the different aspects of Information Science from Big Data to Soft Computing to the students.

Later, he talked about the Ancient Information System by using the example of Sri Yantra (also called Sri Chakra)

and how it is used for worship, devotion and meditation. Further, he explained the significance of Golden Ratio, Fibonacci Numbers, Golden Rectangle, Golden Matrix, Platonic Solids and also showed a video on those concepts which made the students understand it well.



While talking about new technological trends, he quoted Big Data, Data Analytics, Artificial Intelligence, 4G and 5G technologies and Next Generation Networks (NGN) in detail which are going to be the powerful technologies in the near future. Dr Krishna shared a few tips to students for creating Healthy Information Society which includes Digital books, World wide web information, Instant information availability, E-mailing, Social Networking, E-learning, Virtual Office, Classrooms and Meetings.

Furthermore, Dr Krishna said that goal of education should include learning Marketable Skills, Developing new concepts, Developing new technologies, Storing and Maintaining knowledge, and Developing Information Centre and so on. He also threw a light on institutional learning which will help the students in group learning, knowledge sharing, learning social responsibilities and ultimately provides a memorable and true life for students. At the end, Dr Krishna dedicated the session to his Mathematics teacher as a token of his gratitude to him.



Date: 14 August 2019

Time: 11:00AM – 12:30PM

Title of the session: Nature - Technology - Society

Speaker: Dr.M.Kama Raju, Professor & Mentor (AS&A)

About the topic: Dr Kamaraju exhorted the importance of preserving nature by limiting the use of technology which leads to a safe and healthy society. He said that as a citizen of this country everyone has the responsibility to protect our nation.



The talk has given students, time to think on all the benefits the nature is giving to the society in general and to each and every individual in particular. The richness of nature and its resources used for the wellbeing of humanity, these things were afresh in the minds of all the students present in the hall.

Date: 14 August 2019

Time: 1:30PM – 4:40PM

Title of the session: Origin & Development of Telugu Language

Speaker: Dr.Addanki Srinivas

About the topic and the speaker: Dr.Addanki Srinivas, Chief Deputy Editor Eenadu, enlightened and entertained the students with his rhyming sentences, riddles and critiques of today's society in Telugu language. In his talk, while interacting with the students, he said that Telugu is an ancient language. And it is considered the Italian of the east and is especially amenable to poetry and lyrics as it is evidenced by the carnatic music tradition of South India. Dr Srinivas's session was a riot of laughter and the students simply couldn't imagine such a command on the Telugu Language used so



fluidly and spontaneously.



Students in Andhra generally invest a lot of time and energy in movies and activities around movie stars and are mostly confined to their smart phones and laptops. Dr Srinivas admonished the students in his idiosyncratic way, which the students approvingly accepted, to venture out of their rooms and explore the outdoors. Moreover, he criticized the media for sensationalizing news and ignoring the real heroes and their stories of selfless sacrifice. He also illustrated by humming old poems which attracted the students very much. His many stories of leadership and sacrifice have inspired the students to prioritize their time in student life.

Title of the session: Indian Heritage, Culture and Guruparampara

Speaker: Pujya Sri.Y.V.K.Jagan Guruji

About the topic and the speaker: Sri YVK Jagan Guruji, the founder of Yoga Vignana Kendra, Hyderabad, while addressing the students said that it is important to control our mind so that we can have completeness in life. While interacting with the students at GEC on the topic ‘Indian Heritage, Culture and Guru Paramapara’, in Induction Programme for the students,



he spoke about several important things for the students. He urged them to develop their personality, have self-awareness and listen to their mind. “When we talk to ourselves and look into ourselves, we come to know what we are and how we are striding in the society”, he said. He

also

spoke about the importance of having a good student-teacher bonding. He exhorted the students not to give importance to marks or grades but to acquiring subject. Speaking about how we should lead our life, Guruji said that we need to practice things such as meditation, yoga, exercise and have emotional balance. The students listened to the speech of Sri Jagan Guruji with rapt attention.



Date: 16 August 2019

Time: 9:30AM – 11:30AM

Title of the session: Learning Characteristics

Speaker: Dr.B.Karuna Kumar, Vice Principal – Administration

‘Learning must be a joyous experience’ – Dr Karuna Kumar

About the topic: Dr Karuna Kumar, vice-principal, Administration and Professor of Mechanical Engineering addressed the gathering on the topic Learning Characteristics. He said that the students should learn the concepts with passion and enthusiasm. Learning should be joyful experience for them. In the process of learning, they need to have the elements such as applying common sense, thinking out the box, giving importance to sleep, processing the learning, testing their improvement at regular intervals, practicing often, leaving fear and so on, he said. By doing all these things the process learning can be an effective one.



It was a lively session for the I year students. The examples given, the concepts explained and the style in which the concepts were delivered to the students were all appealing. Students were seen overwhelmed with the learning experience they had on the day.

Date: 16 August 2019

Time: 1:30PM – 4:40PM

Title of the session: Fire Safety, Preventive Measures by AP State Disaster Response and Fire Services Department, Gudivada

About the topic and speakers: As a part of Induction Programme, Gudlavalleru Engineering College, invited the personnel from Fire and Disaster Management Services Department, Gudivada and gave the students a learning experience on how to protect themselves from fire accidents and escape when they are in danger. The fire and disaster management department personnel, taking turns, explained to the students how they can rescue themselves or rescue others when there is leakage of gas cylinder, fire accident and disaster. They also showed them how to use life jacket and lifebuoy. The students were also involved in the demonstration process and they could get the real time experience in doing the rescue activities.



Manmade and natural disasters have become more frequent and their impact is dramatic on densely populated geographies like India. As modern society increasingly spends its time indoors in highly regulated environments, electricity or fuel induced hazards have become constants threats to property and life. In this regard, the disaster relief team from the nearby town Gudivada was invited to conduct fire safety awareness workshop for all the first year students.



The fire rescue team was led by the station Chief who has kindly brought in a fire engine, safety equipment,

harnesses, fire extinguisher, and a host of other emergency related paraphernalia. They started by analysing fire, the constituents of the combustion process and the common cases for fire accidents in non-industrial buildings. They explained that fire accidents are of 3 categories. These are based on the three essential conditions for fire viz. Fuel, Heat and Oxygen. By eliminating any of these three, one can put off the fire. Fires are classified on a scale from 1-10. A material burns only when the fire is between 1.8 to 9.5.



1. Fire can be doused with water.
2. Fire can be put off by foam.
3. Fire can be put off by cutting fuel supply.

Fires can also be classified based on the residue left after the fire, for example. Plastic, wood, cloth etc., these fires can be put off by reducing heat or spraying water.



The second class of fire can be put off by spraying foam which blankets the burning matter and cuts off the oxygen supply. The third type which is generally associated with handling fuels can be cut off by restricting fuel supply. Using various fire extinguishers demonstration on putting off fires was given. At the household level, LPG safety is important. The team then

demonstrated how to check a gas cylinder for leaks and what to do in the case of a fire. They dispelled the myths about blast of cylinders by explaining that it could happen only under extreme conditions or due to significant time delay. A few girls among the students volunteered to practice the use of fire extinguishers. Quoting incidents where young people drowned in water bodies, the fire rescue team has demonstrated rescue methods and tips to improvise available material as floating buoys.



Title of the session: Indian Constitution and Article 370

Speaker: Sri.P.S.S.V.Suresh, Advocate, High Court Andhra Pradesh, Amaravathi

“Constitutional knowledge is must for every citizen” – P .S.P Suresh Kumar.

About the topic and speaker: Sri P.S.P Suresh Kumar, eminent legal expert and senior advocate at High court, Amaravathi (A.P), driving the point home, at the outset of the talk, shared an eye-opening experience he had during his under graduation. He was surprised to have come to know through his research that most of the citizens cutting across all walks of life were unaware of basic tenets of Indian Constitution. He affirmed that only a well-informed citizen on constitutional matters could lead a confident life. And highly, he was,



appreciative of GEC management’s initiative to educate their students on Indian Constitution and with special reference to Article 370, buzz word for the last two weeks due to its revocation by Indian Government. He asserted that it’s high time that students learned about this article in detail.

In his enthralling talk, Sri P.S.P Suresh Kumar has taken the audience to the history behind the drafting of the Indian Constitution and reminded the students the enormous work that undertaken by then stalwarts of constitutional committee under the able guidance of Dr B.R Ambedkar. His narration seamlessly brought out the times of Indian partition and the socio-political reasons behind that turmoil and showed the students the need for an egalitarian constitution for a racial and linguistic diverse country like India. Our forefathers were successful in gifting us the befitting constitution, he said, by which India is steadily progressing to be a global superpower.



Initially, Sri P.S.P Suresh Kumar, in detail, informed the students about the Preamble of our constitution. He advocated students to educate themselves on one’s rights and duties. Fundamental rights guaranteed by our constitution to all the citizens and how they are important for the well being each. It must be added without delay that, he also highlighted the concurrent responsibility of Indian citizens to fulfill one’s duties for the smooth running of our society, he explained.

After elaborating on the three pillars of our constitution i.e. Legislature, Executive and Judiciary and their relative autonomy for effective governance of the country, Sri P.S.P Suresh Kumar dwelt on the revocation of Article 370 of Indian constitution. He elaborated on the need for its insertion in our constitution then and how it affected our national integration since then. Later, he explained how the abrogation of Article 370 raised the hopes of Khasmiris and helped the nation to progress with unity, amid the thundering cheers of students.

Date: 19 August 2019

Time: 9:30AM - 4:40 PM

Title of the session: General Education, Motivation, Character Building and Human Relations

Speaker: Sri.K.V.S.G.Murali Krishna

About the topic and speaker: Dr KVSG MuraliKrishna, Professor of Civil Engineering, JNTUK University and Member-SEAC [State Experts Appraisal Committee for Andhra Pradesh State], appointed by Ministry of Environment, Forests and Climate Change, Government of India. He was the Head of Civil Engineering, Coordinator of Industrial Consultancy Services and Director of Foreign Universities and Alumni Relations, JNT University, Kakinada, He is the founder of Environmental Protection Society, Kakinada (1992), an ENGO recognized as a Center for Training in Environmental Protection by Govt. of A.P. and registered with FCRA, Ministry of Home Affairs, GOI, New Delhi.



He is a voracious reader, prolific writer, and a great orator who can inspire, motivate and enlighten anybody with his knowledge. He speaks in English, Telugu and Hindi and quotes several scriptures in over 10 languages. He describes himself as an ardent lover of nature, first and last. He has 69 Research papers published in both National and International journals. He received several appreciation awards like Bharat Excellence Award-2002, Vocational Excellence Award-2013, Award for Excellence in Teaching-2013 and adjudged as The Teacher of the year by JNTUK University in 2012.

In his talk he took various aspects of engineering education and dispelled the myths around them with demonstration and participation from students. He elaborated on how information is transformed to knowledge by action and further to wisdom by practice and perseverance. He advised the students to cultivate the habit of appreciating others, particularly parents, teachers and friends who have a keen interest in their development.

He said a Shakespeare quote, "Man is man because of his speech, a speech with point, passion, power, poise and pause" and elaborated how important it is to express something in a clear and concise way. He also quoted Homer's Iliad, "Content is King" and elaborated that whatever we speak there should have content which must make others to think. He gave expansions and meanings of various eminent peoples quotes which were witty and yet thought provoking. He said writing needs lot of concentration; one cannot focus on other things while writing. He shared his personal experiences of meeting the legendary telugu poet Sri Sri and fervently followed his advice of writing diary which made him to explore himself. He advised the same to the students to cultivate the habit of writing diary everyday as it is an effective procedure of improving concentration and way of expression which helped him to write more than 20 books in English on various subjects. He also talked about the etymology of words such as friend, bonafide, voyage, intelligence, knowledge and engineering which helps students to learn and memorize the meanings easily. He showed how knowledge enhances itself by sharing it with others.



For various aspects of engineering, he offered a plan of study and practise and emphasised that drawing is the language of engineering and maths is the language of science, both first year subjects with notoriety for being difficult to pass. He showed how one can master these subjects easily. He said that we humans need continuous motivation to achieve success. Further, advised the students to love yourself, appreciate yourself, acknowledge yourself, admire yourself and trust yourself for continuous motivation. The two sessions were a riot of laughter and students couldn't believe his incredible command over various languages he used fluidly and spontaneously. Dr. Krishna's engagement would freeze time in its tracks and no one wanted to leave the venue after he called it a day

Title of the session: Personal Effectiveness

Speaker: Sri.B.V.Satya Nagesh, Psychologist

About the topic and the speaker: “What is the deciding factor of success?” asked Mr.Satya Nagesh initiating his three and a half hours talk on ‘Personal Effectiveness’ with the freshmen of Gudlavalleru Engineering College on the forenoon of 20 August 2019.



Mr. B. V. Satya Nagesh , a psychological counselor, hypnotist and the author of books –‘Self hypnotism’, ‘Memory’ and ‘Mind Management’ and NLP practitioner

made the young students understand why among the 18 lakh Engineering graduates, only 20 percent end up in relevant fields. He said, “**ASK**: Attitude, Skills, and **K**nowledge” make people successful.



He made the audience think, by posing out of box questions and gave away tokens of appreciation to the enthusiastic participants.

Mr.Nagesh urged the students to set a specific goal and strive to settle down in life by the age of 25.He further told the students that it is not one’s birth or social status that decides one’s tomorrow, but one’s habits, emotional intelligence, smart work, practice and a burning desire to be the best.”Muthyala Raju, Ira Singhal, Govind Jaiswal etc. are a few people who proved this”, said Mr. Nagesh , The Director, MIND foundation quoting their lives.



The motivational session ended with Mr.Nagesh quoting Ratan Tata “Your success depends on your thinking. Nothing can destroy iron but it’s own rust. Likewise, nothing can destroy a man but his own mind.”

Title of the session: Developing a Positive Self - Image

Speaker: Dr.Ramanujam Parthasarathy, Director, ELTC

Objective of the Session:

The talk had a three-fold purpose:

- To raise the students' awareness of the need for developing a positive self-image which is necessary for working with confidence and achieving success, for taking up challenges, and for remaining unfazed in difficult situations;
- to acquaint them with the techniques available for developing a positive self-image; and
- to motivate and inspire them to practise those techniques with success stories of leaders with a positive self-image.



A BRIEF SUMMARY OF THE TALK

Instead of defining “positive self-image,” in abstract terms, Dr Ramanujam narrated two inspiring incidents from history – one concerning Thomas Alva Edison and another about Napoleon Bonaparte – and created a concrete picture of the idea. Then he spoke about four of the proven ways of developing a positive self-image and strengthening it:

- a. By positive self-talk.
- b. By not imposing any limitations on oneself.
- c. By turning one's adversity to one's advantage
- d. By being aware of one's own strengths.

For explaining each of these techniques, he adopted the same approach – of telling real-life stories. He told the extremely inspiring story of how Wilma Rudolph, who had been clinically pronounced a helpless paralytic, turned out to be the fastest person on track in the world, to illustrate how positive self-talk, combined with the visualization of a powerful self, can lead to an unbelievable victory. When he explained the mirror technique (cf. Claude Bristol: *The Magic of Believing*) for implanting goals into the sub-conscious, the students were listening with absorbed attention. He drew upon Helen Keller, Beethoven, John Milton, and Jayaprakash Narayan to explain the other techniques. Finally, he demonstrated a simple technique for being aware of their own strengths, and asked them to practise it at home.



In spite of the huge audience, he tried to make the talk as interactive as possible by asking the students questions about some of these leaders and about concepts like “leading by example.”

OBSERVABLE IMPACT

It was an engrossing talk, and the students listened with rapt attention throughout the 45 minutes.

From the students' answers to the speaker's questions, it was evident that they understood the complex ideas and techniques he was explaining; apparently, his approach of explaining difficult concepts through stories paid off. The impact of the talk was also evidenced by the post-talk interaction.

Title of the session: Role of Swamy Vivekanada: Young minds

Speaker: Dr Upadrasta Venkata Ramana Murthy

About the topic and the speaker: Dr Upadrasta Venkata Ramana Murthy, the Vijayawada-based state secretary for the Andhra Pradesh unit of Sanskrita Bharati, was the speaker at the afternoon session of induction programme on 20 August 2019. . He also teaches the Sanskrit language at Sarada College, Vijayawada.



Dr. Murthy urged the freshmen students to learn the language enthusiastically and help propagate. He recalled that students from several parts of the world, particularly in South Asia, China, Southeast Asia and the Middle East, used to come to our great universities Nalanda and Takshasila for studying the language and culture of our ancient land. They would live there for years to gain Vedic and divine knowledge, as well as social harmony prevailing at the time.

Next, the author of Intermediate Sanskrit text book, Dr.Murthy stressed on daily slokha chanting

(Sanskrit verse): om sarve bhavantu sukhinah

sarve santu nirāmayāḥ

sarve bhadrāṇi paśyantu mā kaścidduḥ khabhāgbhaveta /

om śāntiḥ śāntiḥ śāntiḥ //

which means May all sentient beings be at peace,

may no one suffer from illness,

May all see what is auspicious, may no one suffer.

Om peace, peace, peace.

Further, the scholar spoke at length about Swami Vivekananda and RamaKrishna Paramahamsa.



“As we learn the language, we improve our culture and it also widens our mental horizon”, he said. Dr. Murthy quoted lives of great freedom fighters like Subhash Chandra Bose reminding the students that the freedom we are enjoying today is the result of their martyrdom. The audience took slogan: “Bharat math ki jai” as the program came to a close.

Title of the session: Avadhaana Prakriya - Vekthithva Vikasam

Speaker: Sri. Pala Parthi Syamalananda Prasad, Dwi Bhasha Avadhaan

About the topic and the speaker: "Avadhaana Prakriya - Vekthithva Vikasam" was the theme of Sri. Pala Parthi Syamalananda Prasad, Dwi Bhasha Avadhaani. Dr. Prasad addressed the students of first year engineering on the afternoon of 20 August 2019.



During the hour and a half talk, he not only educated the students on the process of 'Avadhanam' but told them how

each of these helps in developing one's personality. For instance, 'Samasya Pooram' where an avadhani is asked to solve a 'samasya'(problem), Dr. Prasad said, actually helps one to face difficulties with courage and think out of box. His clever and contemporary examples helped the students

appreciate the process.

He further added that they should cultivate a healthy life style, be confident and alert to prosper.

His talk was full of interesting stories of Sri Krishna Devaraya, his own life and experiences.



He blessed the students and urged them to learn and

appreciate 'Telugu'. He said, "CP Brown is an inspiration to every Telugu speaking man/women"

Title of the session: Inventions by Old Indian Engineers and Values

Speaker: Sri Turlapati Kutumba Rao, Padmasri Awardee

‘Take a few leaves out of the books of great people’ – Sri Turlapati Kutumba Rao

About the topic and the speaker: Gudlavalleru Engineering College invited Sri Turlapati Kutumba Rao, renowned journalist and the only Padmasri awardee in India in the field of Journalism, to interact with the first year engineering students. Speaking on this occasion, the seasoned journalist shared some of the delightful experiences of his career as a journalist. He also inspired the students telling them a few anecdotes. He also shared some of the interesting incidents that happened in his life.



First, he spoke about the likes of Abraham Lincoln, Lalbahadur Sashtry, Abdul Kalm, Ambedkar, Andhra Kesari Tanguturi Prakasam, Meharchand Mahajan and so on and told the students how and why these people came into limelight. He urged the students to focus on the personality traits of these eminent people and imbibe the same to scale the ladder of success. If the students have a close look



at Abraham Lincoln’s commitment and perseverance, Lalbahadur Sashtry’s dedication, Abdul Kalam’s hardworking nature and passion to do something for the motherland, Ambedkar’s scholarly knowledge and immaculate wisdom, Tanguturi Prakasam’s nerve, they could understand why they are admired by the people even now, he said.

The seasoned journalist also shared his experiences of meeting all the eighteen chief ministers of Andhra Pradesh and writing a book namely ‘18 mukyamanthrulatho na muchatlu’ and his regular correspondence with the present Prime Minister of India, Sri Narendra Modi. The students listened to the words the veteran journalist with attention. After the lecture, the college management felicitated him. Also, the local journalists of various newspapers were invited to this lecture and they were felicitated by the senior journalist Sri Kutumba Rao.



Title of the session: Youth and Mental Health

Speaker: Sri. Krishna Bharath & Sankar, Psychologists

‘Mental Health is an important ingredient in the life of the youth’

- Sri. Krishna Bharath & Sankar

About the topic and the speaker: Mr Shankar and Mr Krishna Bharath, from the organization called Save a Friend, to interact with the students and make them understand the importance of maintaining good Mental Health. Mr Krishna Bharath, after initiating the session, told the students that 14 percent of the people in India are suffering from some mental disorder. This is really an



alarmsign. To add more, most



of the cases are seen from the districts of Guntur and Krishna. Since, this is a very precarious issue, people, especially, the youth need to take care of their mental health, he said. He also talked about two kinds of people in the society who have certain mindset. Some people have Fixed Mindset and some other people have Growth Mindset. Those people who have Growth Mindset will be successful

in life. The speaker spent a good amount of time in telling the audience the protective factors for mental health. The factors are, he said, Strong relationships, Healthy lifestyle and Adapting strategies for Managing negative emotions.

To understand in a better way, the speaker clearly told the students what happens when somebody is suffering from mental disorder. He talked about some of the Red Flags. These red flags are the indicators of a person’s mental ill-health. Red Flags such as inability to sleep, feeling down, hopeless and helpless, lack of concentration, using over eating, drinking alcohol, getting self-destructive thoughts and thoughts of suicide can give us a clue that the person is not in good spirits in terms of mental health. Mr Krishna Bharath also spoke about the tips and strategies to overcome the problems. He advised such people to appeal to their senses, engage in meaningful and creative tasks, make a leisure time a priority, make time for contemplation and appreciation, get out from the computer screen, volunteer, spend time with people they like, get enough rest, learn about the importance of nutrition, get a dose of sunlight and so on.



Later, Mr Shankar continued the session and he conducted an activity called ‘Can Do’. By inviting some student volunteers on to the stage, he showed the students what happens when we strongly believe in something and do something. The experiment made the students understand the importance of having strong faith in them. He also distinguished the difference between Mr. Success and Mr Failure. The examples given by the psychologist to show what the successful people do and what the unsuccessful people do in their daily routine gave the students complete clarity about what they should do to be in limelight.

Date: 21 August 2019

Time: 1:30PM - 2:30 PM

Title of the session: Indian Economy

Speaker: Dr. Ch. Nirmal Chand

About the topic: Dr. Ch. Nirmal Chand, Head of the Department of MBA, GEC, delivered a talk on “Indian Economy.” He said man has physical needs, material needs and metaphysical needs. Firstly, Man has an idea, then ideas turn into desires, desires turn into wants and wants turn into needs. Needs must be fulfilled. At the time of Independence, Indian population was just 37 crores but



now the number has crossed over 130 crores. To fulfill the needs of vast population needs grater management of resources. We are unable to manage between the needs and the productivity. He said Indian Economy deals with supply and demands of the productivity.

Dr. Nirmal Chand gave students a wider view on finer aspects of finance management of Indian Economy. He gave a bird’s eye view on GDP rate of several countries and mentioned that India stands in sixth position, still needs to improve. He also brought out a clear picture to show students the contribution to GDP by each state. He mentioned the role of students in the growth of GDP. It’s a great advantage to our country that our country has 65% of youth. So, Students should not waste their time and energy, but focusing on their goal with much diligence and punctuality makes our country stronger in Economy. He said that creativity blended with effort results productivity. The talk went down well with students.

THINK ON YOUR FEET

Activities conducted by
The Department of English

The second half of the programme was on “Think on your Feet” by the faculty members of English department. The Head of the department of English, Dr. M. Vijaya Lakshmi energized the students by



asking to guess the three magical words in English. Out of the crowd, one student could say “Please, Thank you, Sorry.” Later, students were segregated according to their branches and conducted activities on Unscramble of words, Pictoword, Spell Bee, Riddles and Dictionary Test. The faculty members of the department of English conducted the whole session with lot of dynamism. Students showed a lot of interest in the activity and participated with greater energy.

1. Unscramble of Words:

Procedure: In this activity students have to arrange the proper order of English alphabet to form a meaningful word. Students were divided into small groups and the scrambled word would be displayed on the screen. Time limit is 60 seconds to answer the question.

Objective: Enhance student’s knowledge of spelling

2. Spell Bee

PROCEDURE: The activity Spell Bee is conducted in rounds. Each team spells one-word that fits in the given context in each round. The word list contains homonyms, homophones.

OBJECTIVE: Enhance student’s knowledge of spelling; helps them learn concepts in the process of using correct English.



3. FASTEST FINGER FIRST -DICTIONARY:

PROCEDURE: This is a buzzer round. Ten words are displayed on the screen each time. A time of 60 seconds is given. The teams discuss and arrange the words in the alphabetical order and press the buzzer, to answer first.

OBJECTIVE: This activity helps students to understand the skill of using dictionary references.



4. RIDDLES:

PROCEDURE: One/two line riddles are asked team wise.

OBJECTIVE: Requires comprehension. Improves critical thinking and jogs memory.

5. PICTOWORD:

PROCEDURE: Each team will be shown set/s of pictures. The teams will have to guess the word using the pictures.



OBJECTIVE: Requires knowledge of basic vocabulary, ability to relate and quick grasping. Helps build vocabulary.

Date: 22 August 2019

Time: 9:30AM - 10:30 AM

Title of the session: Road, Licence rules and regulations

Speaker: Sri. A. Chandra Sekhar Reddy, Road, Transport & Citizen Officer and Team,

About the topic and speaker: The students of Gudlavalleru Engineering College are a common sight in the Gudlavalleru Village, be it the railway Station, Road junctions or the habitations surrounding Seshadri Rao Knowledge Village. What is more, a large number of students commute on bicycles and two wheelers, often with friends, riding pillion. There have been fatal mishaps in the past and hence it was important to sensitize the freshers' to the issue of road safety.



Initially few videos were shown to students regarding the road accidents. Sri. A. Chandra Sekhar Reddy, Road, Transport & Citizen Officer and Team Gudivada and his team conducted an awareness session. While addressing the students, he emphasized the importance of having license to youngsters. He advised that everyone who complete 18 years is eligible to apply for the license in order to ride the vehicles. Moreover, according to the RTI Act, if anyone rides the vehicle without license will be imposed heavy fines.

They started by explaining the provisions of the Motor Vehicle Act and the requirements for a rider and the vehicle to legally ply on public roads. Also, the process of obtaining a driving license for non-commercial vehicles was explained. The students benefited by getting to know the meanings of various road signs and the implications of not complying with them. The speaker said that Krishna District, particularly the coastal area is densely populated and has a high rate of road accidents. The most common cause of death are ignoring safety features like wearing a helmet, seat belts and not following or giving proper road signals. He added, the youth should avoid speaking on cell phones while driving and drunk. Pedestrians are prone to accidents either while walking on the wrong side or crossing without checking the traffic.



The session ended with the speaker stressing on the need to carry his driving license, the registration certificate, the motor insurance policy and the Pollution Under Control Certificate while driving on the road.

Date: 22 August 2019

Time: 10:30AM - 12:30 PM

Title of the session: Importance of Sports and Games, Body Fitness Motivation

Speaker: Dr.K.Rama Subba Reddy

About the topic and speaker: Dr K Rama Subba Reedy, Assistant Physical Director, Yogi Vemana Univeristy of Kadapa, a man with a vast teaching experience of 22 years and 8 years in research. For his excellent and commendable services in the field of sports, he received ‘Visist Jyothi Award’ from the Sports



Authority of India.

He gave a

talk on “**Sports and games for motivation and Physical fitness**” to the students.

While addressing the students he said that every student should continue firm faith combined with patience, hope, industriousness and the spirit of the service. He explained the significance of gratitude to students.

Moreover, he emphasized the characteristics of Generation Z students and New age career options which are available to them. Later, he talked about four golden rules to become extraordinary in their lives.



Date: 22 August 2019

Time: 1:30PM - 3:30 PM

Title of the session: Interaction of Self Employed and Working Class: & Social Service: Experiences

Speaker: Dr. B. Syam Sundar & Interaction with Different People in the Society

About the topic and speakers: An interaction with artisans was held in Gudlavalluru Engineering College on 22 August 2019. The College Management invited artisans such as mason, motor vehicle mechanic,



painter, tailor, barber, cobbler, welder etc., on this occasion to bring awareness in Engineering students about the lifestyle they have and how they struggle for the existence in modern days with their traditional occupations. While interacting with students the artisans expressed opinions that the students need to think about present day problems of society and develop advanced technology to solve them. They shared their occupations and the stories of their struggle and existence in their traditional work.



The invitees emphasized that students need to concentrate on studies and excel in their career. They recollected that their childhood days were so unhappy. They regretted that they could not get proper education because of various reasons, one among them being poverty.

They shared the instances of how they were forced to work from their childhood. Some of the artisans said that though

they don't have education, they came with flying colours in their lives

with their skills and providing livelihood to some workers in their field. They exhorted the students to improve skills.

D.Anitha, a tailor, said that she could study up to 3rd class and was forced to leave education due to poverty and chose the career in tailoring at the age of ten. Mr. Papachari, a goldsmith, shared his experiences in his field and said that he is able to provide livelihood to a few workers in his field.

Dr Bandaru Syamkumar, a renowned dentist, coordinated the programme.



DEPARTMENT OF CIVIL ENGINEERING

**I YEAR INDUCTION
PROGRAMME REPORT**

INDUCTION PROGRAMME SCHEDULE (9th & 17th August 2019)

Day 1: 09-08-2019 (Friday)

9.00AM –9.20AM - Playing the Promo Video about the department

9.20AM –9.40AM - Faculty Introduction by Head of the department

9.40AM –10.10AM - Introduction to the Department of Civil Engineering by
Dr.P.Kodanda Rama Rao

10.10AM –10.50AM - Overview of Civil Engineering Research and Practice by
Dr.S.R.K.Reddy

10.50AM –11.00 AM – **Break**

11.00 AM –11.35 AM – Students introduction

11.35AM –12.20PM –Watching videos on the state- of- art in Civil Engineering

12.20PM –1.30PM – **Lunch Break**

1.30PM –3.45PM –**Specialization-wise overview** of Civil Engineering Streams

Structural Engineering – **Dr. A. Srinivasulu & Dr. V.V.Praveen Kumar**

Environmental Engineering – **Dr. G. Reddy Babu**

Geotechnical Engineering – **Mr. Phani Kumar.V**

Water Resource Engineering– **Dr.Subhashish Dey & Mr.G. Sai Krishna**

Geomatics Engineering – **Mr. N. Hari Pavan**

Construction Management – **Mr. G.T.N. Veerendra**

Transportation Engineering – **Mr.V.Raghudeep**

3.45PM –4.30PM - **Visit to Civil Engineering Laboratories and infrastructure.**

Day 2: 17-08-2019 (Saturday)

9.00AM –9.45AM - Professional bodies

Institution of Engineers (India) **(IE)(I)** - **Dr.P.Kodanda Rama Rao**

Indian Society for Technical Education **(ISTE)** – **Mr A H L Swaroop**

Royal Association of Civil Engineering **(RACE)**- **Mr Y. Vinod Kumar**

9.45AM –10.00AM – **Interaction with senior students**

10.00AM –11.00AM – Interaction with **Alumni** - **Mr. P Harish**

1.30PM-2.30PM - Practical approach in civil Engineering by **Mr. K. Venkateswara Rao**

2.30PM – 3.30PM – Guest lecture with **Alumnus** - **Mr. P Harish**

Mapping of program objectives with department activities:

Objectives

1. To create awareness about engineering education and their chosen field.
2. To motivate the students for their studies and for excellence in their profession.
3. To promote bonding between the students and to build relation between teachers and students.
4. To give a broader view of life and understanding of self, people around them, society at large, human relationships, and nature.
5. To make the students understand the importance of building and nurturing character, making it an essential quality of one's life, be it a professional life, civilian life, or as human being.
6. To impart students several meta skills and underlying values.
7. To make students feel comfortable in their new environment and to open them up.
8. To set a healthy routine.
9. To help them develop team work and enhance creativity.
10. To create awareness on the communication and other skills required by the employers.

Activity \ Objectives	1	2	3	4	5	6	7	8	9	10
Introduction to the Department of Civil Engineering	✓		✓							
Overview of Civil Engineering Research and Practice	✓	✓								
Specialization-wise overview of Civil Engineering Streams	✓									
Visit to Civil Engineering Laboratories and infrastructure.	✓									
Introduction to professional bodies such as IE (I), ISTE, and RACE.					✓	✓				
Interaction with senior students							✓			
Interaction and Guest lecture by Alumni										✓
Practical approach in civil Engineering.	✓									

Name of the Activity: Introduction to the Department of Civil Engineering

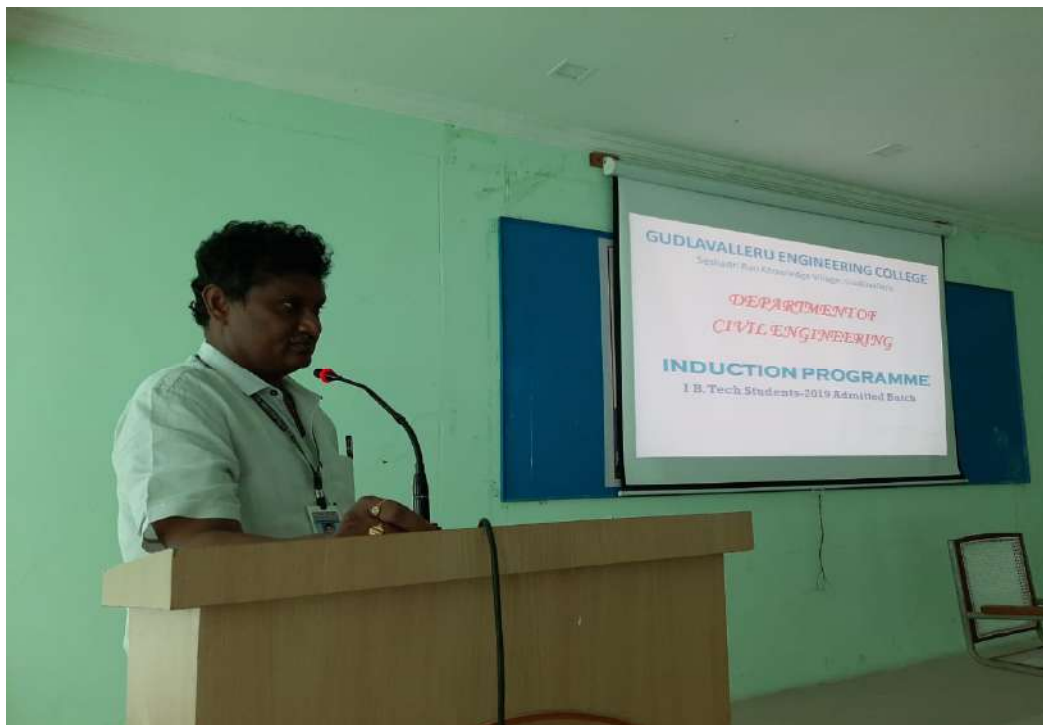
Objective of the Activity:

- To create awareness about facilities in department of Civil engineering and introducing faculty.

Speaker: Dr.P.Kodanda RamaRao

Salient points Conveyed:

Dr.P.Kodanda RamaRao had introduced teaching staff to students and also about various facilities available in department of civil engineering like department library, laboratories, academic achievements, placements etc. He gave a valuable message about career opportunities in field of civil engineering and Civil engineers must be equipped with in-depth knowledge of traditional, fundamental principles and new technologies in order to address the complex, interdisciplinary problems faced within society. We are committed to provide not only the technical education to our students but also the leadership qualities through which they can create employment to others. Department provides various programs which includes undergraduate, postgraduate and research. Our scheme of the programme is industry & research oriented which cope with the demand of today's world. The undergraduate course aims at making fundamentals strong by practically implementing the ideas. The postgraduate program guides the students to understand & identifying their own interest areas in the field of Civil Engineering, from where they can carry their further research.



Name of the Activity: Overview of Civil Engineering Research and Practice

Objective of the Activity:

- To create awareness about Civil Engineering and advancements in Civil Engineering

Speaker: Dr.S.R.K.Reddy, senior professor of Civil Engineering, GEC.

Salient Points Conveyed:

Dr.S.R.K.Reddy had discussed importance of Civil Engineering in present days for getting various government and private sector job opportunities that are available for budding engineers, and day to day technology in various fields of engineering is developing in an exponential rate. It is now high time to the scientists and engineering researchers to take up research activity on live projects that are useful and required to face the future technological challenges and societal problems. Innovation and creativeness go together to achieve the outcome result of any research.



Name of the Activity: Specialization-wise overview of Civil Engineering Streams

Objective of the Activity:

- To create awareness about various specializations in Civil Engineering

Salient points Conveyed:

Structural Engineering: (Dr. A. Srinivasulu & Dr. V.V.Praveen Kumar)

He delivered some significant points of Structural engineering as a part of civil engineering. He started with some pre requisites of Structural engineering which are required for a structural engineer such as knowledge of Applied Mechanics, Material Science, and Mathematics to understand and predict how structures support and resist self weight and imposed loads. Later he explained about concrete and its ingredients such as cement, fine aggregate and coarse aggregate and also covered some salient points about reinforcement used in construction of various structures because it plays a vital role in designing various members in a structure. Finally, he concluded his message with various advancements taken place in Structural Engineering such as designing structures against earth quake and wind loads.

Environmental Engineering: (Dr. G. Reddy Babu)

He explained the basic principles of Environmental engineering to improve the environment, control water and air pollution, dispose of solid and hazardous waste, and tackle other issues related to public health. The main goal of this field is to provide a healthy environment for human beings. he gave information about history and developments from past centuries

In addition, this engineering specialization also deals with worldwide environmental issues such as the consequences of acid rain, depletion of the ozone layer, and air and water pollution from industrial sources. Environmental issues have recently commanded a lot of attention due to the threat of global warming.

Geo - Technical Engineering: (Mr. Phani Kumar. V)

He gave message in the form of a video lecture with more practical examples. Firstly, he explained the importance and history of geo - technical engineering in constructing various structures. Secondly, he explained not only contributions made by pioneers of geo technical engineers from past 17th century to till date and also explained various earth pressure theories. In addition, he explained about various foundations and their practical application. Explained about failures of structures with poor soil conditions with real time examples.

Water Resources Engineering: (Dr.Subhashish Dey & Mr.G. Sai Krishna)

He started with availability of water on earth's surface and also gave information about useful water for human being. Then how deals Water Resources Engineering (WRE) with the provision of water for human use, and the development of techniques for the prevention of destruction from floods. Water resources engineering is not only about prevention of floods but also includes the planning and management of facilities that are constructed for these tasks like making canals for irrigation and sewers for drainage and to avoid water logging, and all other issues related with the usage and control of water.

In addition, he gave some statistical information on water requirements of society and the environment. Initially an estimate is carried out regarding the water available, the demand now and projected demand when the work will complete and future considerations, later requisite infrastructure is designed not only structural point of view but also including the water treatment plants and the pipes network, for the conveyance of water to the taps and waste water from the toilets to the treatment units.

Geomatics Engineering: (Mr. N Hari Pavan)

Geographical Information Systems is the latest incarnation of the foundation of all engineering trades namely surveying. The Great Trigonometric Arc Survey carried out by Indians during the 18th Century for East India Company is the greatest scientific experiment every carried out in human history. Many breakthroughs in understanding the shape and size of the earth, the absolute elevations of the peaks of mountains were accomplished. This has later evolved in Civil Engineering practice. By applying the latest information and communication technology we now have the digital version of measurement of earth and its varied location intelligence applications that we transformed education, business and science. B.Tech. Civil Engineering curriculum offers Surveying, Photogrammetry, Remote Sensing, GIS and GPS modules to introduce students to this domain.

Transportation Engineering: (Mr.V Raghudeep)

He has given a brief introduction about importance of transportation in our daily life and different modes of transportation facilities available in the present days. In general he discussed about the construction of the pavements. The importance of traffic regulation for the safe transport.

Project management: (Mr. G T N Veerendra)

primarily focuses on planning, managing and organizing the available resources. Some of the activities that should be a part of project management activity are to efficiently guide the project team through all phases and execute the project successfully. Other activities include identifying and efficiently managing the project life cycle and implementing it to the user-centered design process.

Name of the Activity: Visit to Civil Engineering Laboratories and infrastructure.

Objective of the Activity:

- To create awareness about different laboratories available in department of Civil engineering.

This session is about introducing laboratories and latest equipment which are helpful for producing some quality projects and introducing the importance of practical in Engineering education. Not only this but also they were taken to visit department facilities such as seminar halls, classrooms, faculty cabins etc.

Laboratories and Incharges:

S.No	LABORATORY	INCHARGE
1	Engineering Mechanics	Mr. S. Arun Chaitanya
2	Engineering Geology	Mr. N. Haripavan
3	Surveying	Mr. G. Sai Krishna
4	Geotechnical Engineering	Mr. Ch. Naga Bharat
5	Concrete Technology	Mr. K.Venkateswara Rao
6	Water and Waste water Engineering	Dr. G Reddy Babu
7	Structural Engineering	Mr. A.H.L Swaroop
8	Transportation Engineering	Mr. V.Raghudeep
9	GIS&CAD	Mr. Y. Vinod Kumar
10	Computer Applications in Structural Engineering	Mr. P.S.S Anjaneya Babu

Name of the Activity: Introduction to professional bodies such as Institution of Engineers (IE), The Indian Society for Technical Education (ISTE), and Royal Association of Civil Engineering (RACE).

Objective of the Activity:

- To create awareness about engineering professional bodies.

Institution of Engineers (IE): (Dr.P.Kodanda RamaRao)

He started with origin of the Institution of Engineers (India) and The Indian Society for Technical Education (ISTE) and then how it is helpful to the students in future and in present course. It is devoted to promote the efficiency and ethical practice in engineering services and committed to disseminate the information on the recent developments in engineering amongst the professionals. IEI helps engineering professionals to undertake planned and structured Training Programmes, attend Seminars, Workshops, etc. for Continual Professional Development (CPD) of the professionals.

IEI supports Continuing Professional Development to its Members and Engineering Professionals in following ways:-

- Training Program at Engineering Staff College of India.
- Technical Activities at Different parts of the Country.
- Awards & Scholarship.

Indian Society for Technical Education (ISTE): (Mr. A H L Swaroop)

This is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. This is a system formed in college level to develop student personality skills and to enhance their technical knowledge by conducting various workshops.

Royal Association of Civil Engineering (RACE) : (Mr. Y Vinod Kumar)

He explained about why RACE is formed and how it is useful to the students to overcome problems within in the department. It was introduced by first batch students of Civil Engineering department and the main motto of this body is to improve their technical knowledge and also to help them excel in all aspects by providing proper communication, organization and leadership skills.



Name of the Activity: Practical approach in civil Engineering

Objective of the Activity:

- To create awareness about Practical approach in civil Engineering

Speaker: Mr. K. Venkateswara Rao

Salient points Conveyed:

A civil engineer is a person who practices civil engineering – the application of planning, designing, constructing, maintaining, and operating infrastructures while protecting the public and environmental health, as well as improving existing infrastructures that have been neglected. Important Qualities for Civil Engineers are leadership skills, decision making skills, math skills, organisation skills, problem solving skills, writing and speaking skills.

Name of the Activity: Interaction with senior students

Objective of the Activity:

- To interact with senior students for better understanding of new environment.

Interaction with senior students:

Students expressed their views about the importance of academic life and also given their suggestions to manage the time and grab the opportunities provided by the college. They advised the juniors to maintain proper rapport with the faculty and also suggested them to utilize the library and other college facilities efficiently. They also shared their experiences in the college.

Name of the Activity: Interaction and Guest lecture by Alumnus.

Objective of the Activity:

- To create awareness about requirements of employers in the field of civil engineering and advancements in research.

Speaker: Mr. P Harish

Profile: Mr. P Harish completed Bachelor of technology in Gudlavalleru Engineering College and got masters degree from BITS Pilani. And he submitted his Ph.D in the stream of renewable energy from BITS Pilani. Presently he is working as Assistant Professor at BML Munjal University, Haryana.

Salient points Conveyed:

As a Civil Engineering student it provides a wide arena of the field and thus I get to learn something new with every subject. The entire study environment makes it easy for a student to learn and inculcate the spirit to stand out amongst the talented and hard-working students. The Institute manages both the areas extremely well and a student always finds himself in a pool of never ending opportunities, be it



technical or non-technical. Another feather in the cap is the professors that impart quality education to its students. The Institute's library serves as the ultimate answer to all our queries in terms of no of books, papers, periodicals and helping staff and how to use time efficiently within the campus. There are number of opportunities available in the civil engineering field after the course completion. He discussed about the job opportunities in the government and private sector. Furthermore he informed the higher studies opportunities in IIT, NIT, BITS and NICMAR. He also suggested about the which technology is useful in the present scenario to upgrade the civil engineers .

**DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING**

**I YEAR INDUCTION
PROGRAMME REPORT**

INDUCTION PROGRAM SCHEDULE

	9:00-10:30	10:30-12:20	L U N C H B R E A K	1:20- 3:00	3:00- 4:20
09-08-2019	Department Profile (Dr. L. Ravi Srinivas)	New Dimensions to Electrical Engineering (Mr. Md. Rafi Khan))		New Dimensions to Electrical Engineering (Mr. Md. Rafi Khan)	New Dimensions to Electrical Engineering (Dr. B. Kalyan Raj)
17-08-2019	Alumni Interaction (Mr.K. Siva Kumar)			Alumni Interaction (Mr.K. Siva Kumar)	
24-08-2019	Laboratories and Substation Visit (Mr. A. Amarendra)			Fresher's Day Celebrations	

Mapping of program objectives with department activities:

Objectives

1. To create awareness about engineering education and their chosen field.
2. To motivate the students for their studies and for excellence in their profession.
3. To promote bonding between the students and to build relation between teachers and students.
4. To give a broader view of life and understanding of self, people around them, society at large, human relationships, and nature.
5. To make the students understand the importance of building and nurturing character, making it an essential quality of one's life, be it a professional life, civilian life, or as human being.
6. To impart students several meta skills and underlying values.
7. To make students feel comfortable in their new environment and to open them up.
8. To set a healthy routine.
9. To help them develop team work and enhance creativity.
10. To create awareness on the communication and other skills required by the employers.

Objectives	1	2	3	4	5	6	7	8	9	10
Introduction of R17 Academic Regulations	✓	✓	✓							
New Dimensions of Electrical Engineering	✓	✓		✓				✓		✓
Alumni Interaction	✓	✓	✓	✓	✓			✓	✓	✓
Labs and Substation Visit	✓		✓			✓			✓	
Freshers' day celebrations			✓	✓		✓	✓	✓		✓

Name of the Activity: Introduction of R17 Academic Regulations.

Objective: To create awareness on various academic rules and regulations in Electrical and Electronics Engineering to the students.

Speaker: Dr. L. Ravi Srinivas, Professor & HOD, Department of EEE,

Salient points conveyed:

- The history of EEE department starting from 1998 with an intake of 40 students till now with the intake of 120 students.
- The facilities available in the department, department achievements.
- AICTE schemes sanctioned to the department.
- Year-wise programs conducted in the department and in the college.
- R17 academic regulations and curriculum for the four year B. Tech programme.
- Importance of electrical engineering, how to adapt to engineering profession.
- Motivational speech of Dr. M. Siva Kumar to improve the confidence of the students with tale stories.
- Inspirational speech of Dr. K. Alice Mary to aspire best future with noble thoughts.



Programme Title: New Dimensions of Electrical Engineering

Objective: To familiarize the new entrants about the significance and orient towards electrical engineering and career opportunities.

Speaker: Mr. Md. Rafi Khan, Associate Professor, Department of EEE,

Salient points conveyed:

The presentation involved

- an animated video on Evolution of Electrical Engineering.
- highlights about various scientists involved in the evolution
- various inventions in electrical engineering right from the bulb by Thomas Alva Edison upto the alternator by Nikola Tesla.
- various animated videos on production of power in various power plants (hydel, thermal, nuclear, solar and wind).
- clear schematic approach of power flow right from the power plant to the consumer end. He explained various stages of power flow like generation, transmission, distribution and utilization.
- brief view on Indian power grid divisions and state electricity board and also statistics related to Indian Power Grid.
- An engineer's view on global warming.
- development of communication skills; Ability to communicate properly is the principle criteria for being a good professional.
- discussion on being positive - positive frame of mind is the key to success in any situation of life;



3:00 P.M TO 4.20 P.M

Programme Title: New Dimensions of Electrical Engineering

Objective: To familiarize the new entrants about the significance and orient towards electrical engineering and career opportunities.

Speaker: Dr. B. Kalyan Raj, Assistant Professor, Department of EEE,

Salient points conveyed:

The presentation involved

- various methods of power generation from renewable (thermal, nuclear) and non-renewable (hydel, solar and wind) energy resources.
- various switch gear equipment used for power system protection.
- Paradigm shift and various other changes in technology over last few decades;
- discussion on self belief - how to increase self belief in everyday life of a student

Date :17-08-2019

9.00 A.M TO 12.20 P.M & 1.20 P.M TO 4.20 PM

Programme Title: Alumni Interaction

Objective: To inculcate Professional Etiquette in the students

Speaker: Mr. K. Siva Kumar

Lecturer, Department of EEE,
Government Polytechnic College, Anakapalle

Salient points conveyed:

The presentation involved

- How to prepare for professional career from his vast experience in various professional fields, necessities for being a true professional.
- Educational resources for students, how to excel in education with values; need of discipline in student life
- Discussed what practical approach students should adopt when appearing for job interview and how knowledge can be applied during interview process; examples shared from his own experience.
- Perspectives of an engineer; discussion from a student's view point; knowledge should be the primary objective of every engineer.
- Motivational videos to inspire the student and build self confidence.



Date :24-08-2019

9.00 A.M TO 12.20 P.M &1.20 P.M TO 4.20 PM

Programme Title: Labs and Substation Visit

Objective: To have a preliminary knowledge in electrical power scheduling, control in power distribution systems and to introduce necessary information in conducting laboratories and to visualize the practical approach of Electrical Engineering

Speaker: Mr. A. Amarendra, Associate Professor, Department of EEE,

Salient points conveyed:

The visit involved

- taking the students to electrical substations of the college.
- Demonstrating how an electrical substation works and about the working of important components like Feeder, transformer, Switchyard, Bus-bars, Panels, CT,PT measuring devices , Changeovers, Circuit breakers, underground cables, Generators etc.
- Taking the students to the laboratories to have basic idea of rules, dos and don'ts in performing the experiments .
- explaining them about the basic usage of various tools and measuring devices in conducting the experiments.



Programme Title: Freshers' Day Celebrations

Objective: To fill the gap between seniors and juniors and recreate the students.

Salient points conveyed:

The programme involved

- introductory address by Head of the Department Dr. L. Ravi Srinivas
- introduction of ESCON (Electrical Student Confederacy) a student body of EEE Department to the I. B. Tech Students.
- introducing the ESCON body members.
- brief speech by Dr. B. Karuna Kumar, Vice Principal (Administration) and wishing them all the success ahead.
- singing songs and dance performances of the students.
- recreation activities of the students by picking a chit and playing the role whatever it is written in the chit.



**DEPARTMENT OF MECHANICAL
ENGINEERING**

**I YEAR INDUCTION
PROGRAMME REPORT**

PROGRAM SCHEDULE

Day 1: 09-08-2019 (Friday)

9.00AM –9.20AM	Played a promo video about the department
9.20AM –9.30AM	Faculty Introduction by Head of the department
9.30AM –10.20AM	Introduced the department of Mechanical Engineering – Dr. M.R.Ch. Sastry
10.20 -11.15 AM	Characteristics to be build to be as a mechanical Engineer – Dr. A. Jawahar Babu
11.15AM –11.30 AM	Break
11.30AM –12.20 AM	Introducing the students by themselves
12.20PM –1.30PM	Lunch Break
1.30PM –4.30PM	Lab & Infrastructure visit by students

Day 2: 17-08-2019 (Saturday)

9.00AM –9.50AM	Role of an Engineering – Need of multi-disciplinary skills – Dr. B.Karuna Kumar
9.50AM –10.50AM	Introduction to various professional bodies like IE(I), ISTE, ASME, department association and GO-KART by senior students.
10.50AM –11.00AM	Break
11.00AM – 12.20PM	Went to Exam cum meeting hall
12.20PM – 1.30PM	Lunch Break
1.30PM-3.30PM	Interaction with Alumni

24.08.2019: Fresher's Day

1.30PM – 3.30PM	Fresher' day celebrations
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Mapping of program objectives with department activities:

Objectives

1. To create awareness about engineering education and their chosen field.
2. To motivate the students for their studies and for excellence in their profession.
3. To promote bonding between the students and to build relation between teachers and students.
4. To give a broader view of life and understanding of self, people around them, society at large, human relationships, and nature.
5. To make the students understand the importance of building and nurturing character, making it an essential quality of one's life, be it a professional life, civilian life, or as human being.
6. To impart students several meta skills and underlying values.
7. To make students feel comfortable in their new environment and to open them up.
8. To set a healthy routine.
9. To help them develop team work and enhance creativity.
10. To create awareness on the communication and other skills required by the employers.

Objectives Activity	1	2	3	4	5	6	7	8	9	10
Introduction to the Department of Mechanical Engineering	✓		✓							
Faculty Introduction by Head of the department			✓				✓			
Characteristics to be build to be as a mechanical Engineer	✓	✓			✓		✓			
Interaction between students							✓			
Lab & Infrastructure visit	✓	✓							✓	
Role of an Engineering – Need of multi-disciplinary skills	✓	✓		✓	✓	✓		✓	✓	✓
Introduction to ME,ISTE,IEI,ASME, and GO-KART by Seniors		✓		✓		✓			✓	
Interaction with Alumni		✓		✓						✓
Fresher's Day celebrations			✓				✓		✓	

Date: 9 August 2019

Name of the Activity: Introduction to Department of Mechanical Engineering

Objective of the Activity: To create awareness on their new environment and make students feel comfortable

Speaker: Dr. M. R. Ch. Sastry, Professor & Head of the Department of ME, GEC

Salient Points Conveyed:

Head of the department introduced faculty members who are the backbone of department and presented a brief report on the department profile to students, which includes, year of establishment of the department and its intake. Further, he introduced the vision, mission of the department, computational facilities, infrastructure, and physical resources-laboratories of the department, academic achievements, placements etc. He further presented successful alumni students who were become entrepreneurs and aspirants higher studies and National Level Student Olympics athletics championship.

Name of the Activity: Characteristics to be build to be as a Mechanical Engineer

Objective of the Activity: To create the awareness about the characteristics of a Mechanical Engineering.

Speaker: Dr. A Jawahar Babu, Professor of Mechanical Engineering, GEC

Salient Points Conveyed:

Dr. A. Jawahar Babu had discussed the importance of engineering to the society. The behavioural characteristics to be developed by an engineer to become a societal supporting one. The kind of attitude to be build for an engineer and usage of social media to update the day to day technology. The order of the day is changing from intrinsic domain to multi disciplinary knowledge. It is the high time to the engineers to develop the innovative products at feasible cost.

Name of the Activity: Interaction of students among themselves

Objective of the Activity: To have an interaction and communication among themselves, this leads to build the bonding and relations amid of them.

Salient Points Conveyed:

It explores the relationship between 1st year students' with the social and academic integration. The basic psychological coordination is essential for the academic success. By integrating the social and academic relation may leads to create the healthy learning experience. The bonding amid of themselves leads to free moment in the campus and to share the ideas among them.

Name of the activity: Student Labs Visit

Objective of the Activity: To imparts the practical knowledge in their chosen field.

Speakers: Incharges of all Laboratories

Engineering workshop: **Sri B. Ramesh Naik**

Solid Mechanics: **Sri P. Murari**

Metallurgy Lab: **Sri T Naga Raju**

Computer Aided Modeling Lab: **Sri V. Mohan Srikanth**

Thermal Engineering Lab : **Dr. J A Ranga Babu**

Manufacturing Processes Lab: **Sri A Siva Bhaskar**

Machine Dynamics Lab **Sri. L. Ramesh**

Fluid Mechanics and Turbo Machinery Lab: **Sri M Kamal Tej.**

Machine Tools Lab: **Sri G Karuna Kumar**

Heat Transfer Lab: **Sri T. Siva Krishna**

Metrology and Instrumentation Lab: **Sri P. Tejomurthi.**

Salient Points Conveyed: Laboratory experiences play a central role in engineering education, developing hands-on skills, and bridging the gap between theory and practice. One study suggests that engineering students view themselves as innately practical individuals. It follows that engineering laboratory experiences should be both natural and formative for engineering students. In the context of teaching and learning strategies the objective of practical activity is to improve the students' knowledge learned from classroom lectures and tutorials.

Date: 17 August 2019

Name of the Activity: Role of an Engineer in society – Need of multi-disciplinary skills

Objective of the Activity: To create awareness on role of an engineer and need of multi-disciplinary skills required to meet the societal needs.

Speaker: Dr. B. Karuna Kumar

Salient Points Conveyed: Order of the day in societal needs are changing in a dramatic way. The transition period of existing technologies has to transform into modern technology. The modern technology is demanding multi disciplinary knowledge and skills to sustain and with stand in the market. He discussed gap between market needs and graduate employability skills and suggested to build those skills from the beginning of graduation. Every subject plays a pivotal role to mould a graduate into versatile. He also expressed the various sectors offering the employment and skill to be enriched by technical graduates.

Name of the Activity: Introduction to MEA, ISTE, IEI, ASME and GO-KART by Senior Students

Objective: To create awareness on professional bodies.

Speaker: Student representatives of various professional bodies and GO-KART

Salient Points Conveyed:

MEA is a department association formed in the It was introduced by first batch students of Mechanical Engineering department with the motto of improve the technical knowledge and also to help them excel in all aspects by providing proper communication, organization and leadership skills.

ISTE is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. This is a system formed in college level to develop student personality skills and to enhance their technical knowledge by conducting various workshops.

IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 114 Centres located across the country.

ASME - American Society of Mechanical Engineers - is a 120,000-member professional organization focused on technical, educational and research issues of the engineering and technology community. ASME conducts one of the world's largest technical publishing operations, holds numerous technical conferences worldwide, and offers hundreds of professional development courses each year. ASME sets internationally recognized industrial, manufacturing codes, and standards that enhance public safety.

Name of the Activity: Interaction with Alumni.

Objective of the Activity:

- To create awareness about requirements of employers in the field of Mechanical engineering.

Speakers: Mrs. M. Kanaka Durga

Mr. L. Ajay

Mr. Anudeep

Profiles:

Mrs. M. Kanaka Durga completed her Bachelor of technology in Gudlavalleru Engineering College and worked as faculty of Mechanical Engineering in the department for 2 years. Currently, she is working as Assistant Executive Engineer in water resource department, Govt. of Andhra Pradesh.

Mr. L. Ajay did his bachelor degree in Mechanical Engineering from Gudlavalleru Engineering College and currently working in Capgemini, Hyderabad.

Mr. D. Anudeep took his bachelor degree in Mechanical Engineering discipline from Gudlavalleru Engineering College currently working in N2K Info Systems pvt. Ltd. Vijayawada.

Salient points Conveyed:

As a Mechanical Engineering student it provides a platform to learn technology in everything round to us. Thus I get to learn something new in every subject. The entire study environment creates an comfortable environment for a student to learn and inculcate the spirit to stand out amongst the talented and hard-working students. The Institute provides the opportunity to enrich our-self in both theoretical and practical aspects. It supports with the co curricular and extracurricular activities. The Institute's library serves as the ultimate answer to all our queries in terms of no of books, papers, periodicals and helping staff. Wide verity of opportunities is seeking for the qualitative Mechanical engineers. They discussed about the different job opportunities in the government and private sectors as well. Furthermore they also let know the opportunities for higher studies in various premier

institutions like IIT, NIT, BITS and NICMAR. They also suggested about the software's and technologies are needful in the present scenario to grab the employment opportunities.



Mrs M.Kanaka Durga told the importance of core technical knowledge and various government sectors offering employment to Mechanical Engineers.

Mr. L. Ajay and Mr. G. Anudeep let know the various soft skill and communication skills required for an engineer to meet the current market needs. They also suggested the different software's to be learned which running in the industrial sector.

Date: 24 August 2019

Name of the Activity: Freshers' day

Objective: To make students feel comfortable in the new environment and to open them up.

Speakers: Senior students and juniors as well.

Salient Points Conveyed:

It is an event to collaborate newly admitted students and seniors. It's an opportunity for fresher's to know the seniors and find out their experiences. The very purpose of fresher's day is to welcome the

newcomers in a friendly atmosphere and avoid social evils, to encourage their creative impulses to boost their confidence. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college.

This event is organised by second year students to have a good communication with the juniors and to welcome the juniors into college. Juniors will have to perform and show their talents. At the end of the party seniors will give the the best performer of the day.



Juniors should take advantage from this event. They should show their talents and get a good communication with their seniors because the seniors are the person who will only help you in the future mainly at the time of examination or selection of carrier in the future.

**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**

**I YEAR INDUCTION
PROGRAMME REPORT**

Programme Schedule

Day 1 (09-08-19)	9:00 -9:30	9:00 -10:30	10:30- 12:00	14:00 -15:30
	Department Profile by HoD (Event 1)	Awareness on ECE-Teaching learning process (Event 2)	Personality development (Event 3)	Career guidance by depart faculty (Event 4)
Day 2 (17-08-19)	9:30 -11:00	13:30 -15:00	15:00 - 15:40	
	Awareness on Curriculum Design (Event 5)	Guest lecture by Alumni (Event 6)	Awareness on Outcome Based Education. (Event 7)	

Objectives:

1. To create awareness about engineering education and their chosen field.
2. To motivate the students for their studies and for excellence in their profession.
3. To promote bonding between the students and to build relation between teachers and students.
4. To give a broader view of life and understanding of self, people around them, society at large, human relationships, and nature.
5. To make the students understand the importance of building and nurturing character, making it an essential quality of one's life, be it a professional life, civilian life, or as human being.
6. To impart students several meta skills and underlying values.
7. To make students feel comfortable in their new environment and to open them up.
8. To set a healthy routine.
9. To help them develop team work and enhance creativity.
10. To create awareness on the communication and other skills required by the employers.

Mapping with objectives

Event/Objectives	1	2	3	4	5	6	7	8	9	10
Event 1	√									
Event 2	√	√								√
Event 3	√	√								
Event 4	√									
Event 5	√									
Event 6	√									
Event 7	√									

Name of the Activity: Introduction to the Department of Electronics and Communication Engineering

Objective(s) of the Activity:

- To create awareness about facilities in department of Electronics and Communication Engineering and introduced the faculty.

Speaker: Dr.V.V.K.D.V.Prasad, Professor & Head of the Department of ECE,GEC.

Salient Points Conveyed:

Introduced teaching staff to students and also discussed about various facilities available in department of Electronics and Communication Engineering, like department library, laboratories, academic achievements, placements etc. The department's Vision, mission and the programs offered by it, were presented. The department provides various programs which includes undergraduate, postgraduate and research. The undergraduate course aims at strengthening the fundamental knowledge of the students by practically implementing the ideas. The postgraduate program guides the students to understand and identifying their own areas of interest in the field of Electronics and Communication Engineering, from which they can carry their further research.



Date: 9 August 2019

Time: 09:30-10:30

Name of the Activity: Awareness on ECE-Teaching learning process

Objective(s) of the Activity:

- To create awareness on teaching learning process of Electronics and Communication engineering.

Speaker: Dr.A.V.N.Tilak, Professor of the Department of ECE,GEC.

Salient Points Conveyed:

- Mentioned the objectives of teaching learning process
- Discussed about principles of learning and effective teaching
- Mention four aspects of the teaching learning process
- Discussed about teaching learning system
- Mentioned the components of specific educational objectives



Date: 9 August 2019

Time: 10:30-12:00

Name of the Activity: Personality development

Objective(s) of the Activity:

- To familiarize the importance of personality development.

Speaker: Dr.M.Kamaraju, Professor of the Department of ECE,GEC.

Salient Points Conveyed:

Personality development is the process of developing a set of characteristics and traits which contribute to the overall personality of a person. A good leader is believed to have a good personality. Leadership skills do not mean how well you give orders to your subordinates. It means how well you can manage your subordinates to accomplish a particular task. Work harder to set an example to your subordinates. Express yourself and always do as you say.

Good learning skills in an individual are highly desirable. You should always have the zeal to learn new things while at work. This reflects your enthusiasm. Don't let yourself repeat the same mistakes.



Date: 9 August 2019

Time:14:00-15:30

Name of the Activity: Opportunities in Government and Private sector in the field of Electronics and Communication Engineering

Objective(s) of the Activity:

- To create awareness, career opportunities in the department of Electronics and Communication Engineering.

Speaker: Sri A.Mallaiah, Associate Professor in Department of ECE, GEC.

Salient Points Conveyed:

- Opportunities for Electronics and Communication Engineering stream in the private sector and required skills the students should equip with to join in private sector. Importance of GATE examination and mentioned that how the public sector companies recruiting their employees using GATE score. Mentioned the soft skills required for the students to enter into the software industry.



Date: 17 August 2019

Time: 09:30-11:00

Name of the Activity: Awareness on Curriculum Design

Objective(s) of the Activity:

- To create awareness on curriculum of Department of Electronics and Communication Engineering.

Speaker: Sri V.Vittal Reddy, Associate Professor in Department of ECE, GEC.

Salient Points Conveyed:

- Detailed structure of R17 regulation.
- Mentioned weight age of marks given to each stream in curriculum.
- Discussed about the elective system and differentiated between core electives and open electives.
- Discussed about examination pattern of R17 regulation.



Date: 17 August 2019

Time:13:30-15:00

Name of the Activity: Design of Cubesat

Objective(s) of the Activity:

- To familiarize the importance of Electronics and Communication Engineering in the field of Satellite communications.

Speaker: Dr.V.Praveen Naidu

Profile: Dr.V.Praveen Naidu, Associate professor, V.R.Siddhartha College of Engineering,
Vijayawada

Salient Points Conveyed:

- The harsh environment of space is the ultimate test bed. CubeSats can help test new instruments or materials and validate their readiness to be integrated into a more complex space mission.
- CubeSats can carry small science instruments to conduct an experiment or take measurements from space.
- CubeSats can provide students with a unique hands-on experience in developing space missions from design, to launch and operations.
- CubeSats can be used for commercial applications, like providing telecommunications services or capturing Earth observation images.



Date: 17 August 2019

Time: 15:00-15:40

Name of the Activity: Awareness on Outcome Based Education.

Objective(s) of the Activity:

- To create awareness about Outcome Based Education

Speaker: Dr.D.Prabhakar, Associate Professor in Department of ECE, GEC.

Salient Points Conveyed:

- Vision and mission of the department were presented.
- Discussed about importance of outcome-based education.
- Explained about course outcomes and course objectives.
- Discussed about importance of graduate attributes in the definition of program outcomes.
- Discussed about mapping of course outcomes to the program outcomes and program specific outcomes.



Date: 24 August 2019

Time: 13:30-15:40

Name of the Activity: Freshers' party

Event details: Freshers' party for I B.Tech 2019 admitted students conducted on 24 August 2019. In this event II B.Tech, I B.Tech students and faculty of ECE Department are participated. Various events are organized for I B.Tech students and students participated actively. At the end of the program prizes are presented for winners of various events.



**DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING**

**I YEAR INDUCTION
PROGRAMME REPORT**

PROGRAM SCHEDULE

Day 1 (09-09-19) MON	09:00 A.M-11:00 A.M	11:00 A.M -12:20 P.M	1:20 P.M-4:30 P.M
	A1: Department Profile by HoD	A2:Career Guidance	A3:Quiz
Day 2 (17-08-19) SAT	10:15 A.M-11:15 A.M	11:15A.M-12:20A.M	1:20P.M-3:50P.M
	A4: How to Outshine in Studies	A5: Logical and Critical Thinking	A6: Interaction with Alumni
Day 3 (24-08-19) SAT	01:30-03:30PM A7:Fresher's Day		

Mapping of program objectives with department activities:

Objectives

1. To create awareness about engineering education and their chosen field.
2. To motivate the students for their studies and for excellence in their profession.
3. To promote bonding between the students and to build relation between teachers and students.
4. To give a broader view of life and understanding of self, people around them, society at large, human relationships, and nature.
5. To make the students understand the importance of building and nurturing character, making it an essential quality of one's life, be it a professional life, civilian life, or as human being.
6. To impart students several meta skills and underlying values.
7. To make students feel comfortable in their new environment and to open them up.
8. To set a healthy routine.
9. To help them develop team work and enhance creativity.
10. To create awareness on the communication and other skills required by the employers.

Objectives Mapping with Activities

	A1	A2	A3	A4	A5	A6	A7
O1	√	√					
O2	√	√			√		
O3	√						√
O4			√	√			
O5			√	√			
O6			√	√			
O7						√	√
O8		√					
O9					√	√	√
O10			√		√		

Date: 9th August 2019

ACTIVITY 1: (A1)

Time: 09:00-11:00A.M

Name of the Activity: Introduction to the Academic Regulations, Curriculum of CSE Dept and Job opportunities for Computer Science Engineers.

Objectives of the Activity:

- To motivate freshers to pursue their B.Tech. Programme with passion.
- To initiate bonding and harmonious relationship between teachers and students.

Speaker: Dr. S. Narayana, Professor & Head, Department of CSE, GEC.

Salient Points Conveyed: Academic regulations of R17 curriculum were presented. New courses related to latest technologies like Big Data Analytics, Machine & Deep Learning, Angular JS and Node JS, NoSQL Databases, Agile Software Development Process, Blockchain Technologies etc., were highlighted. Faculty members of the Department were introduced, also, to the department facilities. Various job opportunities available in the field of Computer Science, industry trends were also presented to the students. The speaker wished students to have a great learning experience at GEC and a bright career in the future.



Date: 17th August 2019

ACTIVITY 2: (A2)

Time: 11:15A.M-12:20P.M

Name of the Activity: Career Guidance

Objectives of the Activity:

- To motivate new entrants to pursue B.Tech. Programme with passion.
- To motivate the students to excel in their profession.

Speaker: Dr. DNVSLS Indira, Associate Professor, Department of CSE, GEC.

Salient Points Conveyed:

- Why CSE?
- 8 Unexpected ways in which technology will change the world by 2020.
- Current demand for IT industry.
- The 50 highest paying jobs in engineering and technology.
- Introduced ACM & IEEE computer Society students chapters.
- Top 10 software companies in the world that offer 50% CSE gradates for coding.
- What after B.Tech CSE ?
- Importance of GATE, higher education.



Name of the Activity: Quiz

Objectives of the Activity:

- To develop team work and enhance creativity.
- To warm up students with new environment.
- To build communication and other skills.

Organizer: Ms. S. Vineela Krishna, Assistant Professor, Dept. of CSE, GEC.

Activity Description: The students participated in six rounds as follows

Round 1: Picture Clues

Round 2: Mirror Images

Round 3: Tongue Twisters

Round 4: Random Pick

- i) Riddles ii) Memory Block iii) GK iv) Mathematical puzzles

Round 5: Jumbled Words

Round 6: Rapid Fire

The questions put forth to the teams were fun-filled, cognitive and intriguing and roused their curiosity. Every round was a mixed bag with many questions from different domains like history, sports, technology, science, vocabulary and riddles. The final round, a rapid-fire gave the teams a chance to catch up with leaders and put-up a tough fight, all the teams participated with enthusiasm. Finally, prizes were given away to the winners and runners.



Date: 17th August 2019

ACTIVITY 4: (A4)

Time: 10:15-11:15A.M

Name of the Activity: How to Outshine in Studies?

Objectives of the Activity:

- To create awareness about engineering education and their chosen field.
- To motivate the students to gain jobs and to excel in their profession.
- To set a healthy routine.

Speaker: Dr. M. Babu Rao, Professor & Mentor (AS&A), Department of CSE,

Salient Points Conveyed: The speaker highlighted on

- elaborated on study skills, test taking, career guidance and latest technologies.
- explained the importance of setting up a goal and suggested various ways to achieve it .
- concluded by suggesting students to pursue higher studies in India or abroad.



Name of the Activity: Importance of Logical and Critical Thinking in Computer Science

Objectives of the Activity:

- To impart various meta skills and underlying values to students
- To motivate the students towards professional carrier and to excel in their profession

Speaker: Dr. S. Narayana, Professor & Head, Department of CSE, GEC.

Salient Points Conveyed:

How logical reasoning is connected with computer science. He said that logical reasoning helps us explain why something happens, how computers work deep inside the computer's central processing unit (CPU), and how every operation the computer performs is reduced to logical operations carried out using electrical signals.

Software engineers, according to him, use logical reasoning all the time in their work. They draw on their internal mental models of how computer hardware, the operating system and the programming language they demonstrate their extreme skills, in order to develop new codes that will work as they intend. They'll also rely on logical reasoning when testing new software for fixing the 'bugs' (mistakes) and debugging (apply thinking). or when these tests fail.

The case study on *Mumbai Airport Surveillance System*, enhanced Importance of *Logic and Critical Thinking in Computer Science*.



Name of the Activity: Interaction with Alumni

Objectives of the Activity:

- Alumni interaction has a real life benefit for current students.
- Alumni enhances the students' experience
- Alumni give them competitive edge in today's tough job market.
- Excellence in their profession.

Speaker : Mr. Kode. Siva Naga Malleswara Rao

Salient Points Conveyed:

- How to plan the career objective.
- Created awareness about IT industry and different challenges for facing the interview.
- Importance of Certifications in latest technology.
- Opportunities of CSE students in business, government sectors and IT industries.



Name of the Activity: Freshers' Day

Objectives of the Activity: To make Fresher's feel comfortable in the new environment while interacting with their group members.

Speaker: Seniors and junior students

Salient Points Conveyed:

This event gives opportunity to the fresher to collaborate with seniors. It's an opportunity to know the seniors and find out their experiences. The very purpose of freshers' day is to welcome the newcomers in a friendly atmosphere and avoid social evils, to encourage their creative impulses to boost their confidence. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college.

The event is organized by second year students to welcome the juniors and have a good communication with them. Juniors come out with their talents and make themselves comfortable in the environment. At the end of the party seniors will give the best performer of the day.

Juniors should take advantage from this event and make themselves to build a friendly environment so that in the future mainly at the time of examination or selection of carrier guidance will be better given by the seniors only.



**DEPARTMENT
OF
INFORMATION TECHNOLOGY**

**I YEAR INDUCTION
PROGRAMME REPORT**

INDUCTION PROGRAM SCHEDULE

	9.00 AM- 11 AM	11.00 AM- 12.20 PM		1.20 PM- 2.10 PM	2.10 PM- 3.50 PM	3.50 PM- 4.00 PM
DAY 1 (09.08.19)	Career guidance By Sri B.Srinivasu Kumar(bsk)		LUNCH BREAK	Interaction with Seniors Mr.K.Srikanth	Web quest by Mr.K.Srikanth	
DAY 2 (17.08.19)	Introduction of Obe, College profile and Curriculum by Dr. Ch. Kavitha			Alumni activities By Sri I. Lakshmi Narayana		
DAY 3 (24.08.19)				FRESHER'S DAY CELEBRATIONS		

Mapping of program objectives with department activities:

Objectives

1. To create awareness about engineering education and their chosen field.
2. To motivate the students for their studies and for excellence in their profession.
3. To promote bonding between the students and to build relation between teachers and students.
4. To give a broader view of life and understanding of self, people around them, society at large, human relationships, and nature.
5. To make the students understand the importance of building and nurturing character, making it an essential quality of one's life, be it a professional life, civilian life, or as human being.
6. To impart students several meta skills and underlying values.
7. To make students feel comfortable in their new environment and to open them up.
8. To set a healthy routine.
9. To help them develop team work and enhance creativity.
10. To create awareness on the communication and other skills required by the employers.

Objectives	1	2	3	4	5	6	7	8	9	10
Activity										
Career guidance	✓	✓	✓	✓	✓		✓	✓		✓
Interaction with seniors	✓					✓	✓		✓	
Webquest		✓							✓	
Introduction of OBE, college profile and curriculum	✓		✓					✓		✓
Alumni activities	✓	✓		✓	✓		✓		✓	
Fresher's day celebrations			✓				✓		✓	

Date: 9 August 2019

Name of the Activity: Career Guidance

Objective of the Activity: To motivate the students for their studies and for the excellence in their profession.

Speaker: Mr. B. Srinivasu Kumar, Associate Professor, Department of IT

Salient Points Conveyed:

He explained about the opportunities after completion of B. Tech.

1. Software Jobs:

He explained that students should satisfy the industry needs like:

- Having Good Communication skills.
- Maintaining minimum grade or marks.
- Good Verbal Aptitude and Reasoning.
- Having a profound knowledge in any one programming language like c, oops and python.
- Maintaining Good behaviour and Eye contact in the interviews.



2. Start-ups:

- He advised students to take up an MBA course and then to have a start-up company, MBA aids in managing the company efficiently.
- Students should have some basic skills like: Innovative Thinking, Team Work and Organizational Skills in order to establish and maintain a company.
- He explained about the start-up companies like Uber, Redbus ,paytm and Ola who grew stronger in the commercial sector.
- He explained about the life history of people like Steve Jobs, Mark Zuckerberg, Bill gates who contributed a lot to I.T sector.

3. Government, PSU jobs:

He explained about the various job opportunities available in the government sector related to IT field. He also explained about the job opportunities available in PSU units like BEL, BHEL, SAIL, ECIL, IOCL etc., and their selection procedures through GATE or separate exam.

4. Higher Studies: After B.Tech, student can go for any of the following:

- i) M.Tech: To get an M.Tech seat, student should qualify in the GATE exam.

He explained how to prepare for the GATE exam in order to get a seat in IITs and NITs.

ii) MBA: To get an MBA seat, student should qualify in the CAT exam.

He explained how to prepare for the CAT exam in order to get a seat in IIMs.

iii) **Diploma Courses:** He advised students about pursuing diploma courses as another alternative which will be available for B.Tech graduates. He explained that these short term courses will add some specialized educational qualification to one's resume. He also explained that these short-term courses and diplomas are usually job oriented and will be helpful while applying for jobs in different industries.

iv) **Study Abroad:** He also advised students about higher studies in abroad along with its benefits- one can explore and experience an entirely new culture while studying abroad. He also suggested that along with studies, one can also check the various fellowships in research and development category available abroad. He explained that there are many scholarships provided for full or half funding of the education too. He suggested to apply for all available scholarships. He also explained about the admission procedures(to study abroad) and entrance exams like GRE, TOEFEL, IELTS.

He suggested students to go through some books like:

- 7 Habits Highly Effective People
- Get Smart
- How to win friends and influence people
- 48 laws of power

Name of the Activity: Interaction with Seniors (Final Year Students)

Objective of the Activity: To make students feel comfortable in their new environment and to open them up.

Organized by: A.Sai Krishna, K.S.R.P. Lakshmi, R. Tanuja, T. Navya, T. Jahnavi, Praneetha, D.Naga Mallika - Third Year Students, Department of IT.

Salient Points Conveyed:

An interactive session was held with the final year students. The final year students shared their experiences. They advised the first year students to take part in college events.

1. **Trending Technologies:** Final year Students advised the first year students to get aware of the trending technologies in the software field and also to get familiar with the new programming languages like Python and R in order to get placed in campus drives.
2. **Active Participation:**
 - They advised students to take active part in events conducted by various departments on occasion of Engineers day etc.
 - They requested to take part in GECFEST which is organized by the college in the month of January/February.
3. **Budget Time:** They explained that having a social life is good but students must learn to plan their study time properly. That means do not start studying for exams, night before it is given or initiate writing that report the day before it is due.
4. **Develop an Appreciation for the Mastery of the Language:** No matter what is your major or discipline of interest, the single most important life skill is communication. It is how you communicate your skills that demonstrate the depth of your education. They advised the first year students to improve their communication skills.
5. **Make your Own Decisions:** Seeking advice is always wise. Trying to play it safe and avoid making choices can lead to serious personal dissatisfaction and likely failure. One must learn to take a chance (not a needless risk) when options become available and accept responsibility for your decisions.
6. **Learn to communicate in the classroom:** There are no dumb questions concerning classroom content. If you don't know or don't understand something about what is going on in the classroom, you can be sure that many of your peers don't either. Learning to ask questions is a real skill and you must develop it.

Date: 9 August 2019

Name of the Activity: WEBQUEST

Objective of the Activity: To help them develop team work and enhance creativity

Event In-charge: Mr.K. Srikanth, Assistant Professor, Department of IT.

Brief Description of the Event:

An event was held for the first year students named 'WEBQUEST', in Object Oriented Systems Lab.

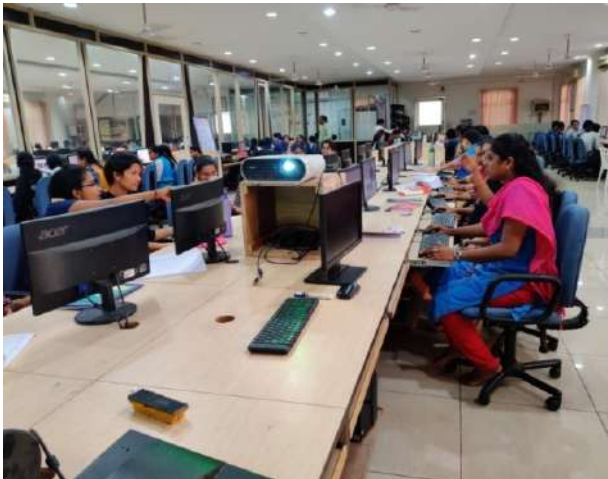
Two rounds were conducted, in that

First round: Students were made to participate in quiz competition (quiz topics related to Speed Maths, General Knowledge and Movies).

Second Round: Students were made to participate in second quiz competition too (quiz topics related to computer fundamentals, inventors and Founders).

A total of 37 Students have participated in the two rounds of WEBQUEST. No filtration was done for the second round.

Some of the third year students assisted Mr.Srikanth in conducting the event.



Name of the Activity: College, Department profile, OBE (Outcome based Education) and Curriculum

Objective of the Activity:

- To create awareness about engineering college, engineering education and their chosen field.
- To create awareness about student-centric instruction model that focuses on measuring student performance through outcomes.

Speaker: Dr. Ch. Kavitha, Professor & HOD, Department of IT.

Salient Points Conveyed:

She explained about the

1. Vision and mission of the college:

Vision: To be a leading institution of engineering education and research, preparing students for leadership in their fields in a caring and challenging learning environment.

Mission:

- To produce quality engineers by providing state-of-the-art engineering education
- To attract and retain knowledgeable, creative, motivated and highly skilled individuals whose leadership and contributions uphold the college tenets of education, creativity, research and responsible public service
- To develop faculty and resources to impart and disseminate knowledge and information to students and also to society that will enhance educational level, which in turn, will contribute to social and economic betterment of society.

2. Vision and mission of I.T department:

Vision: To be a centre of innovation by adopting changes in Information Technology, imparting quality education, research to produce visionary computer professionals and entrepreneurs.

Mission:

- To provide an academic environment in which students are given the essential resources for solving real-world problems and work in multidisciplinary teams
- To impart value based education and research among students, particularly belonging to rural areas, for their sustained growth in technological aspects and leadership
- To collaborate with the industry for making the students adoptable to evolving changes in Information Technology and related areas.

3. Introduction of I.T department:

- IT department is offering B.Tech Information Technology program.
- She explained the history of I.T department starting from 1999 with an intake of 40 students till now with the intake of 120 students.
- The College is permanently affiliated to JNT university, Kakinada and IT department has obtained accreditation status from NBA of AICTE for three years in 2008, 2012 and 2016.

4. **Infrastructural Facilities:**

She explained about the establishment of the Classrooms and laboratories.

a) Classrooms: The Department has 8 classrooms out of which 6 are classrooms.

e-learning

b) Laboratories:

The department has four laboratories:

- Database and Data warehousing Lab having 36 systems.
- Object Oriented Systems Lab having 36 systems.
- Advanced Programming Lab having 60 systems.
- Biometrics Research and Development Lab: Exclusively for R &D equipped with 20 systems with Biometric devices like Iris Scan, Hand Scan and Facial Recognition.

She explained about Outcome based Education (OBE) and how it is measured using PEOs(program educational objectives), POs(program outcomes), COs(course outcomes), PSOs(program specific outcomes).

Outcome based Education: Outcome based education (OBE) is student-centric instruction model that focuses on measuring student performance through outcomes. Outcomes include knowledge, skills and attitudes. Its focus remains on evaluation of outcomes of the program by stating the knowledge, skill and behavior a graduate is expected to attain upon completion of 4 years of graduation. She also explained that in the OBE model, the required knowledge and skill sets for a particular engineering degree is predetermined and the students are evaluated for all the required parameters (Outcomes) during the course of the program.



She also explained how the OBE model measures the progress of the graduate in three parameters, which are

- Program Educational Objectives (PEO)
- Program Outcomes (PO)
- Course Outcomes (CO)



Program Educational Objectives (PEO) are broad statements that describe the career and professional accomplishments that the program is preparing the graduates to achieve. PEO's are measured 4-5 years after graduation.

Program outcomes (PO)s are narrower statements that describe what students are expected to know and be able to do by the time of graduation. They must reflect the 12 Graduate attributes as described by NBA for under graduate engineering programs.

Course outcomes (CO)s are the measurable parameters which evaluates each students performance for each course that the student undertakes in every semester.

She also explained the curriculum comprising of academic regulations and course structure. She also explained about the Credits and Attendance.

- Students should have a minimum of 75% in order to get promoted to the next semester.
- Students are allowed only twice to pay condonation.
- Total number of credits to be earned for the award of degree is 160.

She explained about the Scheme of evaluation, internal and external assessments.

1. Examinations and Scheme of Evaluation:

- Each theory course shall be evaluated to a total of 100 marks where internal assessment constitutes 40 marks and external assessment constitutes 60 marks.
- Internal assessments constitute 2 class-tests marks and score of 2 mid-examinations (as 75% from best scored mid and 25% from least scored mid) to be evaluated for 40 marks.

2. Award of Class:She explained about the award of class based on the CGPA, the students with CGPA above 7.5 will be awarded First Class with Distinction, 6.5-7.5 will be awarded First Class, 5.5-6.5 will be awarded the second class and less than 5.5 will be awarded Pass Class.

3. Course Structure:She explained about the course structure corresponding to each and every semester which includes the total number of subjects related to Basic Sciences(BS), Humanities and Social Sciences(HSS), Engineering Sciences(ES), Professional Core(PC), Professional Electives(PE), Open Electives(OE) and Mandatory Non-Credit Courses like (Yoga and NSS) for each semester and credits to each subject.

Date: 17 August 2019

Name of the Activity: Alumni Activities

Objective of the Activity: To motivate the students for their studies and for the excellence in their profession.

Speakers: Mr.G.Sureshababu (06481A1215) & Mr.D.Dimple Ramanjaneyulu (15481A1234)

Brief description of the event:

- Mr.G.Sureshababu (06481A1215) working as Senior Project Engineer in WIPRO Technologies, Chennai conducted career guidance program on “Preparing for campus placements & Higher studies” for III & I year IT students on 17th August 2019.
- Mr.D.Dimple Ramanjaneyulu (15481A1234) working as Trainee Engineer in Syntel, Chennai conducted career guidance program on “Effective utilization of college resources” for I B.Tech. IT students on 17 August 2019.



Date: 24 August 2019

Name of the Activity: Fresher's day

Objective of the Activity: To make students feel comfortable in the new environment and to open them up.

Speaker: Seniors and junior students.

Brief description of the event:

It is an event to collaborate newly admitted students and seniors. It's an opportunity for freshers to know the seniors and find out their experiences. The very purpose of freshers' day is to welcome the newcomers in a friendly atmosphere and avoid social evils, to encourage their creative impulses to boost their confidence. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college. This event is organised by second year students to have a good communication with the juniors and to welcome the juniors into college. Juniors will have to perform and show their talents. At the end of the party, seniors give the best performer of the day title to one of the juniors.

Juniors should take advantage from this event. They should showcase their talents and develop good communication with their seniors because the seniors are the persons who will help them in their future, mainly at the time of examinations or campus placements in the future.



Student Feedback Analysis

Department	Phase I Assessment Analysis on		Phase I Assessment Analysis on	
	Understanding	Motivation	Understanding	Motivation
Civil Engineering				
Electrical and Electronics Engineering				
Mechanical Engineering				
Electronics and Communication Engineering				
Computer Science and Engineering				
Information Technology				