







B.E FIRST YEAR STUDENTS INDUCTION PROGRAMME SCHEDULE - 2019-2020 (Two weeks programme from 22/08/2019 to 6/09/2019)

Date/Day	9-11.30am	11	.30-12.15 pm	1.15-2pm	2 -3.15 g	om	3.15 – 4 pm
22/8/19 (Thursday)	Guest lecture on Disaster management by Rekha Nambiar, NDRF	Mentors/Mentee Grouping (G.L,K.S,R.N)		Know your studen (G.L,K.S,P.S.K)	ts Green Measure		Interactive Session (B.D.L,A.K.B)
23/8/19 (Friday)	Motivational video speeches and Creative Arts (G.S,K.S and T.C)			Familiarization of departments(HODs and Department Faculty)			
26/8/19 (Monday)	Video Session-Fundamentals	nentals of Physical sciences (B.D.LG.S,R.N,P.I)		Proficiency modules/ SCILAB (Maths Faculty)			
27/8/19 (Tuesday)	Field Trip (Birla Planetarium) Faculty in charge (G.S.,K.S,B.D.L,P.I)						
28/8/19 (Wednesday)	Library based Proficiency modules (9-10.30am)	Creative arts/Crash courses (10.45 to 12.15 pm) (G.S, S.K.P)		Professional ethics and human values (1.15-2pm) (MBA Faculty)		ues	Yoga/Sports (2-4pm)
29/8/19 (Thursday)	Literacy activities (T.C, K.S)	Guest lecture on German language for engineering graduates (B.D.L)		Soft Skills by MBA faculty			
30/8/19 (Friday)	Proficiency Modules by Chemistry (P.Ilaiyaraja)	Maths Puzzles (M.T & D.M)	FIT INDIA & SSG 2019 By NSS officer	Soft Skills by MBA faculty			
3.9.19 (Tues day)	Literary Activities By English faculty		Proficiency Modules by Physics	Creative arts by Architecture			
04/9/19 (Wednesday)	Proficiency modules By Chemistry faculty	Extracurricular activities/ Highlighting clubs at AVIT (Senior students)		Extracurricular activities/ Music , Dance, group activities			
05/9/19 (Thursday)	Creativity activity By Dr.R.N.V	Professional Ethics by Dr G.L			Life skills By English Faculty		ciency modules by nysical Sciences











			Ms Sarala			
06/09/19	Innovative lab/Tests on creative arts and universal human values		Feedback and Report on Induction Programme			
(Friday)	(K.S,R.N, A.K.B,L.T)		(G.L,K.S,P.I,T.C) & Senior students			









Detailed day and session wise Report on B.E First year Induction Program



Day 0 (21.8.2019): Wednesday :Inauguration Day The freshers' day celebrated on 21st August 2019, as per planned, invited newly admitted first year students along with their parents chaired by campus director Dr Satymurty sir, Principal Dr.K.L.Shanmuganathan sir and other delegates and went well with pledge conducted by director sir and accepted by all first year students. Senior students spoke about the clubs which are running effectively in the campus and detailed about their respective departments such as Civil, Mechanical, Electronics and Communication Engineering. First year students expressed their choice of selecting VMRF for their betterment and shared their interests about engineering courses.













The programs ended with Pledge pronounced by director sir and followed by all first year students. And followed by vote of thanks and National anthem with great patriotism.

Day 1 (22.8.2019): Thursday Forenoon Session: Guest lecture on Disaster Mitigation in India- Its Evolution, Mandate and Roadmap for Tomorrow Senior Mrs .Rekha Nambiar ,Commandant ,National Disaster Response Force (NDRF)

One Day Seminar on 'Disaster Mitigation in India- Its Evolution, Mandate and Roadmap for Tomorrow' is organized by Institutional Social Responsibility Cell and Civil department on 22nd August 2019. The keynote speaker of the event Ms.Rekha Nambiar, gave on overview of Disasters occurring in India, vulnerability profile of India, causes and effects of disasters. She explained about the Institutional Framework, the constitution and role of National Disaster Response Force (NDRF) in disaster mitigation and









Technical session by The Chief Guest

The event was ended with a very good interaction and Questionnaire session between Ms.Rekha Nambiyar and the students. Dr.P.S.Aravind Raj, Associate Professor, Department of Civil Engineering delivered the vote of thanks.









Day 1 (22.8.2019): Thursday Afternoon Session: Green measures at AVIT Campus

On day 1, afternoon session went well with know your students activity and identified student interests, their aims in future followed by

One plant-one student green measures between 2pm-3pm. Next session on the same day, basic instructions given about to student's role

Inside the campus with respect to ethical values.











Day 2 (23.8.2019): Friday Motivational Talk by Internal Faculty (9.00 a.m. to 10.00 a.m.)

A speech on "Build your self-esteem" was started at 09.00 a.m. and given by Dr. G. Suresh, Associate Professor, Department of Physics, and AVIT. Speech covers definition of self-esteem and confident, necessity to maintain, steps to improve such as know yourself, positive attitude, don't compare, believe yourself, smart objective, maintain the human relation and analyzing the critical situation. Students were effectively interacted and motivated. Finally speech was ended with conclusive remarks.

The motivational videos were shown to the first year students in order to trigger a spirit of aspiring for higher goals and achievements in the young minds.

The first video was on the "Ten most successful persons in the world" such as Leonardo De Caprio, Sachin Tendulkar, Henry Ford etc which has summarized about their background, their success highlights.

The second video was on "Mister Fit" to instigate the brains of the young to keep oneself fit by taking an example of an athlete from Jamaica, a winner the secret behind which is the workout he does to keep himself fit enough win the race. Another video was on "Born to be a Leader" which explains the spirit of a leader by taking the example of two animals the Eagle and the Lion and their leadership qualities.

The third video was on "Famous Failures ever(Your life will change after watching this)" comprises of the famous people in the world who had seen failures and yet reached to the highest peak of success and are counted in the top people of the world such as Abraham Lincoln, Rajinikanth, Dhirubhai Ambani etc.

The fourth video was on a motivation speech "Go Hunt Your Dream)" which inspires students to achieving their dreams and how to overcome after a defeat get back with strength and still make your dreams come true.

The fifth video was on "Leadership and effective collaboration" an animated video of insects and animals which shows the success behind the power of team work.

The last part of this session was a power point presentation prepared by M. Lakshmi Mohan, Head CIR, Department of Training and Placement which delivered details about the various training and placement sessions conducted for our students. The PPT had clearly indicated the % of placements in the year 2018, the list of various companies for various branches visiting our campus, soft skills training programmes, aptitude training, campus interviews, seminars and other events organized on career, the HR meet at national level, our MoU's with foreign universities and other collaborations, job fairs conducted in our campus and our overall achievements.







(23.08.19 at 11.00 a.m to 12.15 p.m)

A session on Creative Arts was conducted for our students on the theme "Science and Technology" to bring out their ideas by presenting on a paper/making a poster. This session was planned in order to bring out their talents, encourage creative thinking and turn them into highly skilful individuals and master themselves in any field. Students have astonished us with their brilliant ideas presenting the on the current day scenario of science and technology and their positive and negative impacts.



Day 3 (26.8.2019): Monday FN: Fundamentals of Physics and Chemistry – Video session (09.00 a.m. to 12.15 p.m.) Videos related to fundamental aspects of Chemistry and Physics were successfully collected from NPTEL and YouTube. A Chemistry video session on "Discoveries of atoms and arrangement of periodic table" is handled by Dr. P. Ilaiyaraja, Assistant Professor (G-II) and Dr. R. Nagalakshmi, Assistant Professor (G-II), Department of Chemistry, AVIT. Four videos relevant to discovery of proton, electron, neutron, and atom, arrangement of elements in periodic table and characteristics of elements are played. Dr. G. Suresh and Dr. B.Dhanalakshmi, Associate Professor, Department of Physics have continued next video session on "Fundamental concepts of Acoustics and its applications" and played videos on fundamentals and applications of sound (measurement of depth of the sea, ultrasonic machining, finding resources in the sea and sonogram). At end of the each session, quiz is conducted. In this regard, students have been grouped into six teams. Three rounds of questions related to video session are asked. First two teams have been appreciated with small prizes.









After Noon Session by Maths faculty: Computer skills



Day 4 (27.8.2019): Tuesday Birla Planetarium visit

Birla Planetarium located in Chennai is one of the large planetarium through which makes one to travel to the sky. This is located in the Periyar Science and Technology Centre campus Kotturpuram in Chennai which has got eight galleries which are as follows:

Physical Science, Electronics and Communication, Energy, Life Science, Innovation, Transport, International Dolls and Children and Materials Science.

The trip started off with a lot of excitement from the student's side who had come from various parts of the country. It took a two hours journey through the city which enabled our non-local students to have a glimpse of a part of the Chennai city. The moment we reached Birla Planetarium students jumped out of the bus with enthusiasm and got busy with photography to capture these memories in their mobiles.













An amusing 3D show was the next part of the visit filled with fun and its stunning tricks which was highly entertaining. The next exhibit was the DRDO gallery which covered the most incredible displays of defence in our country which provided a complete insight of the missiles, the radar system etc most amazing to any visitor. The next gallery visited was the **Stunning Mathematics** gallery with fascinating objects beautifully laid out, yet which eschews explaining any maths was highly informative.



The best part of the visit was the most important Science show on "Life in Universe" a special show on night sky observation which was about the sky and seasons, eclipses, earth, man on moon, comets, shooting meteoroids and the stellar cycle. Other important aspects of astronomy and different cosmic phenomena were explained in this Audio-visual program.



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The next visit was the transport gallery which has exhibited the cars, trucks and trailers transporting machinery, heavy equipment, vehicles etc. which was a wonderful experience in obtaining deep knowledge of our transportation system. The next part of the visit was the most astonishing mysterious Ocean gallery which has exhibited the ships, submarine, underwater control systems and the technological innovation using the latest satellite communication. The most incredible displays which left a thrilling experience in the young minds.

The visit concluded with the magical mirrors gallery which was more interesting for the girl students where one could see several images of oneself all around and a mysterious pathway surrounded by mirrors with no clues where we go until we reach the exit. We thank the management, administration and Dr. G. Latha, HOD of Humanities and Sciences for their efforts in arranging this trip. We are highly grateful for their constant support and encouragement in such activities for the benefit of the first year students.

Day 5 (28.8.2019): Wednesday (at 9.00 am to 10.30 am)

Mr. Sreethar Librarian has given the Orientation about the Central library rules, facilities, and services provided by central library. He explained about the e- resources available and how to download Like (IEEE, ASME, ASCE, DELNET.), how to register







to National Digital library and about e- books available. He also explained about the Swayam Prabha DTH Channels of UGC, NPTL courses and materials. He explained about how to search a Book through (OPAC).He also informed about the Inter Library Loan facilities like BCL, University of Madras (Guindy Campus).Students go around the library and searched the books of their departments and utilized the digital Library. The librarby session was conducted by the Mr.Sreedhar, Head, Library who has presented about the various resources available in our library , the rule and regulations in lending books etc and the timings of library (8.00 a.m to 8.00 p.m).The above interaction on the resources included the various channels available subject wise for students (Channel 1-32 for Language and literature to Engineering Sciences and general subjects for engineering by EMRC, EFLU, Hyderabad, IIT Madras etc). Our facility to access the library at IIT Madras, Madras University was informed so as to enable the students to avail the facility. The following details were passed on to the students. The session concluded with details by highlighting the of Book sites, Journals, Online education support, Search sites etc.

1	ASME	http://asmedigitalcollection.asme.org			
2	ASCE	http://ascelibrary.org			
3	IEEE	http://ieeexplore.ieee.org			
4	ELSEVIER	https://www.sciencedirect.com			
5	NDL	https://ndl.iitkgp.ac.in			
6	DELNET	http://delnet.nic.in			
RESOURCE SHARING					

E-Resources

- DELNET
- NATIONAL DIGITAL LIBRARY (NDL)
- BRITISH COUNCIL LIBRARY
- UNIVERSITY OF MADRAS
- MHRD- SWYAM PRABHA DTH





Mr Rajesh Kumar from MBA gave a speech on Professional Ethics and Human Values in the afternoon session and covered the topics such as Work Ethics, Respect for others, Cooperation, Commitment, and self-confidence. Students were participated actively during class session.

Yoga/Sports

Yoga and meditation classes has been conducted by Yoga master Durai Pandi in a systematic way for two hours and students enjoyed the program and participated yoga class dedicatedly.



Day 6 (29.8.2019): Thursday 9.00am-10.00.am

Creative arts session went well with student's participation on different topics, Nature, Solutions for environmental issues by English, Physics and chemistry faulty members effectively.

Report of Seminar on Scope of Learning Japanese for Engineering Graduates (11.30 am to 1.30pm)









SEMINAR on "Scope of Learning Japanese for Engineering Graduates" on is organized 29th August 2019. Mr. Junji Hirata, Overseas In charge for Japanese, Wakayama, Japan, Mr.Senthil Sellappan IJ Corporate Solutions, Chennai and Alumni Mr. Gyan Prakash, cofounder. eMSoft Technologies, Chennai, delivered sessions to the students and faculty members of AVIT



Afternoon session handled by MBA faculty - Soft Skills Training

Soft Skills Training classes were successfully conducted on 29th August 2019 & 30th August 2019. Prof. P. S. Balaganapathy -Deputy Director, DoM, Dr. V. Sheela Mary - HOD, DoM, Mr. T. Thangaraja - Assistant Professor, DoM & Dr. L. Rajeshkumar -Assistant Professor, DoM handled classes on various topics like Communications skills, Attitude, Time Management and Team work. Various activities like Visual and Touch Communication, Chain Block, Listen and Response and Blind walk were conducted to improve soft skills for I Year BE students. Totally 70 students from various department of I Year BE of 2019 Batch, AVIT participated in soft skills training programme conducted by Department by Management - DOM.



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Day 7 (30.8.2019): Friday 9 AM-10AM Proficiency Modules by Chemistry (P.Ilairaja)

The lecture was focused on energy scenario in India. The contribution of conventional and renewable sources for the power generation in India was discussed. The chemistry concept behind the formation of coal was explained in details. The power generation using natural Uranium was also explained briefly. The merit and demerits of conventional energy sources was discussed. The important of renewable sources and technology need to be developed was explained in details.



MATHS PUZZLES (10 am -11 am)

Fit India and SSG-2019 by NSS Program Officers (Mr. Surendra Babu)



Swachh Survekshan Grameen 2019 (SSG2019) is being conducted by govt of India, dept. of drinking water and sanitation, ministry of Jal Shakti to rank districts and states based on their performance on the key sanitation parameters. Citizens' feedback is





an essential component of Swachh servekshan grameen 2019. Students joined the SSG by answering a few questions related to sanitation status of our area. This feedback will immensely help the ranking of states and districts.

Day 8 (3.9.2019): Tuesday 9 AM – 11 AM Literary activities by English faculty;

Literary Activities session has been taken by English faculty and taught basic communication skills and writing small notes and other formal letter writing activities.

11.15 am -12.30 pm Proficiency modules by G.S &G.L

This lecture starts with definition of Physics and major applications of Physics in the various fields. Especially, lecture focused on Acoustics and its applications such as Ultrasonic Maching, Echo Sounder, Sonogram and Architecture with interesting videos. Finally, lecture ends with conclusive remarks and questionary section.



Day 9 (4.9.2019): Wednesday

The FN session was handled by chemistry faculty Dr.P.Ilaiyaraja dealt about how our environment or eco-system are affected by the use of single use plastic was explained to student by video content. What are the possible way we can avoid the single use plastic and find some possible alternative method such as use of recycling polymer and bio degradable polymer to maintain the healthy environment was discussed. Finally, the preparation of bio degradable polymer from potato was explained to student b video content.

Extracurricular activities/ Highlighting clubs at AVIT session has been taken by senior students from ECE, civil and other core branches and introduced about existing clubs such as women empowerment club, Red ribbon club, Rotary club etc. They made







juniors familiarised with institution rules and regulations. Afternoon session is extracurricular activities/ Music, Dance, group activities, students performed various activities such as solo, group dance, singing, monoaction and action play and went well.

Day 10 (5.9.2019): Thursday

Innovation Lab session has been conducted as a part of Induction programme between 2.00 pm and 3.00 pm on 05.09.2019. By Dr. B. Dhanalakshmi, Asso.Prof./Physics & Dr. G. Suresh, Asso.Prof./Physics. Aim of this session is to provide basic knowledge about various technology and present energy-need of the society so that the students can come with their new technological ideas to meet the societal needs.

In this session, the basic principles behind wireless transmission of electrical energy using Tesla coil and generation of electrical energy from various renewable energy sources were explained. Videos on making of Tesla coil, Free energy generation using magnets and other components, Making of Projector using lens and smart phone, Making of Hologram, etc. were displayed for better understanding of the concept. The students were advised and motivated to try for some mini Physics -projects.

Day 11(6.9.2019): Friday

Collected Feedbacks from students and made them to do presentation on all sessions of induction program.