



R. M. K. COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution)
RSM Nagar, Pudukkottai-601206



STUDENT INDUCTION TRAINING PROGRAMME-2021

Induction Training Programme on Human Values was organized by the Department of Science and Humanities for the First year Bachelor of Engineering students from **28.10.2021 to 9.11.2021** through online mode. It is important to cultivate humanity and moral capabilities in a student to be a good human being along with good engineer. Student Induction Programme (SIP) was split into different modules considering the most vital aspects to be learnt. It was executed in an impactful and lively manner so as to reap essential harvest.

Module 1: Peer Pressure

Module 2: Self-confidence and Relationship with the family

Module 3: Trust and Respect

Module 4: Gratitude, self and body

Module 5: Anger.

Module 6: Aspiration and Expectation and The Importance of a Healthy Life style

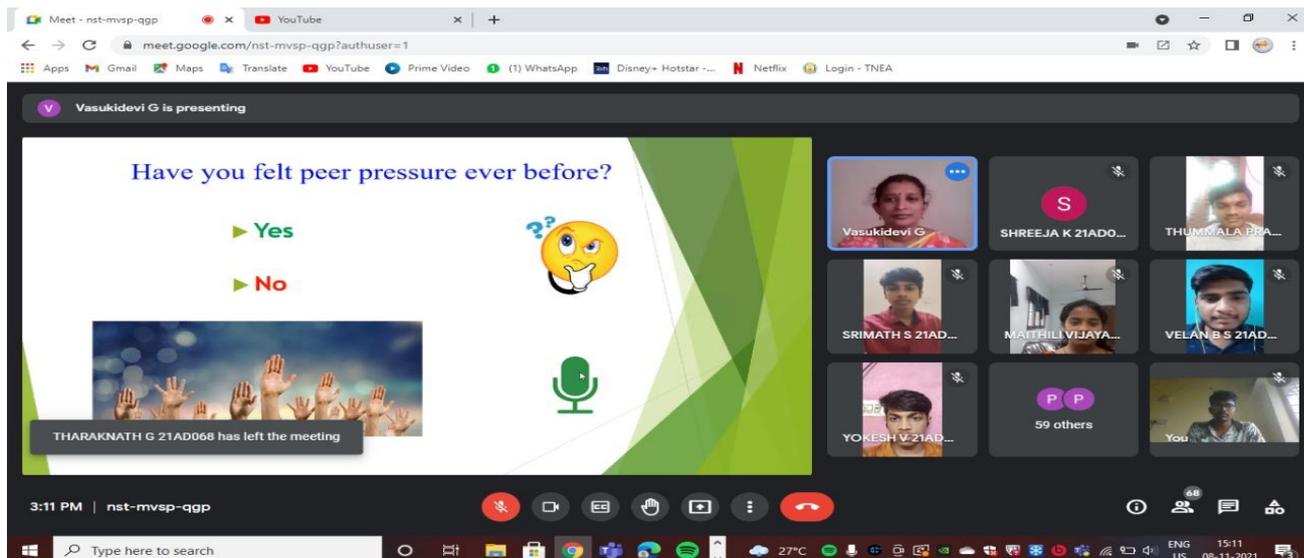
This program will shape the student's attitudes, beliefs, and ideas and help them develop into undeterred and morally strong individuals. As a result of this program students are able to expand their understanding of ethics, sometimes even altering their own values and ethical decision-making process.

BRIEF DESCRIPTION ABOUT THE MODULES

About autonomous, curriculum, syllabus and grade system

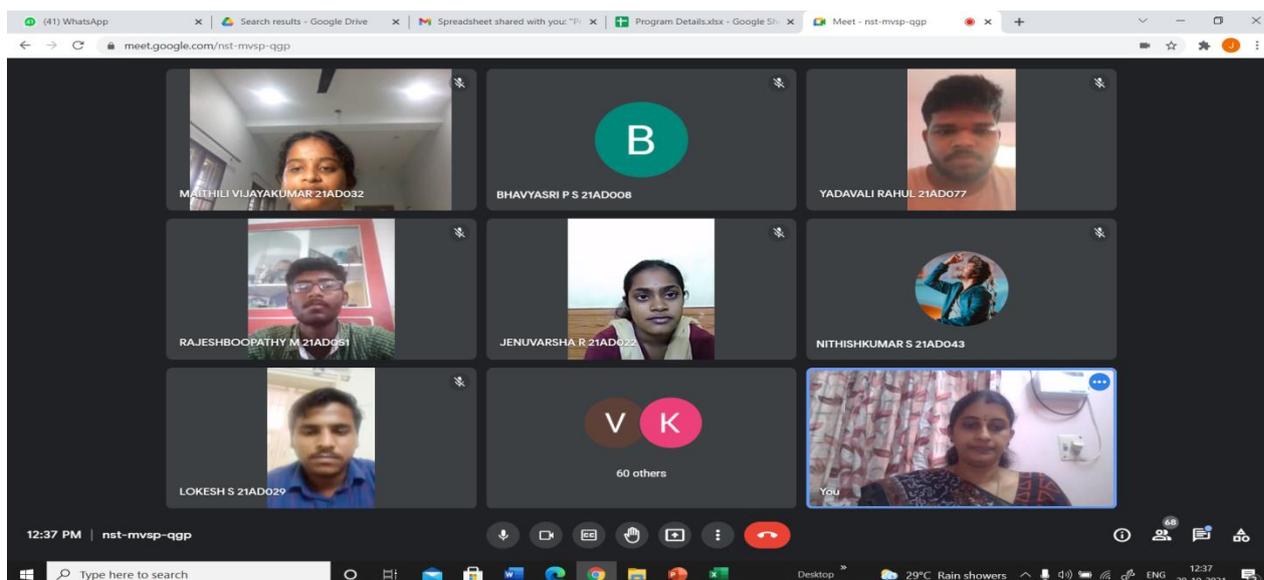
Dr K. A. Selvakumaran, HOD/S&H gave a short introduction to the autonomous status of the college and highlighted the salient features of the curriculum and the syllabi to be followed from 2021 onwards. He also enlightened the students with the continuous assessment system followed in the college and the revised grade system provided after the end semester exams. He elaborated on the difference between Internal and external calculation of marks.

Module 1: Peer Pressure



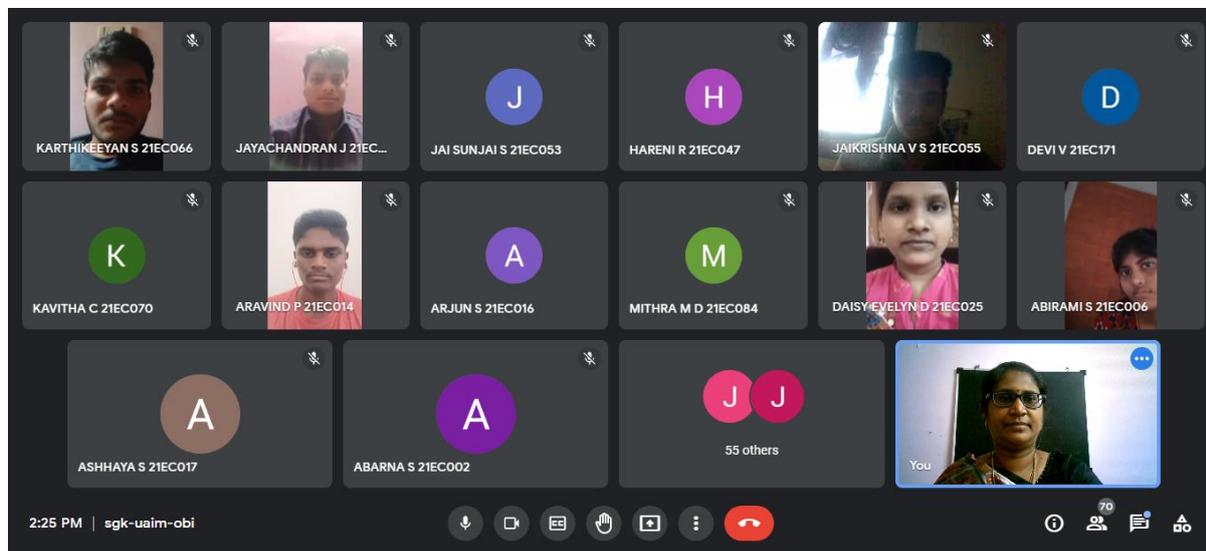
The training on **Module 1 (Peer Pressure)** was handled by Asst. Prof. G. Vasuki Devi. The training stressed on the reality that, everyone has different stress triggers and it is also inevitable and the stresses in one’s life can actually come from peers too. The students were made aware of the direct and indirect pressure from the peers and those pressures could be positive and negative too. Handling any kinds of pressure through peers to attain prosperity in life was the main objective of this training module. Because peer pressure, or influence, comes in several forms, and these types of peer pressure can have a tremendous impact on a young person’s behaviour.

Module 2: Self-confidence and Relationship with the family



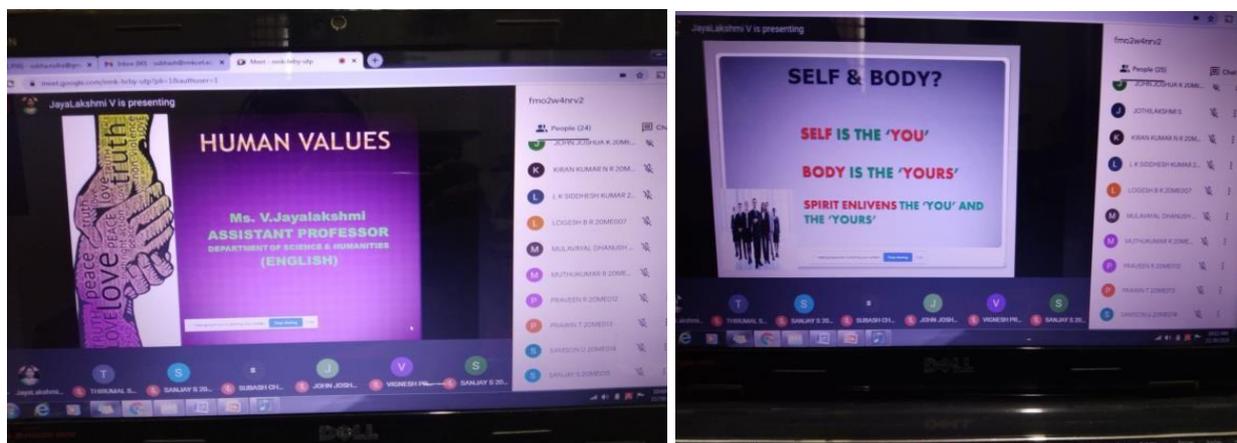
The training on **Module 2(Self-confidence and Relationship with the family)** was resourced by Asst. Professor of Physics Ms. Jayanthi in which the stakeholders were made to

realize that having a healthy level of self-confidence can help in improving one's ability to become successful in personal and professional life. Anything more or less will harm one's progress. Techniques to balance confidence were also taught to the students. One's relationship with the family was prominently stressed in the training as bonding within the family relationships can work wonders.



Module 3: Trust and Respect

The human values sessions on Module 3(**Trust and Respect**) were delivered by Asst.Prof. of Chemistry Ms. Absara FDO, through which the students were taught the importance of trust within oneself and trusting others and the importance of respecting each individual. Students were made to realize that trust is the foundational value in relationship and to have Trust is to be assured that the other intends to make me happy and prosperous. They were also guided to realize that Respect is right evaluation at the level of the Self. The complete content of respect is to see that the other person is similar to me in terms of purpose, programme and potential; and we are complementary to each other in terms of competence.

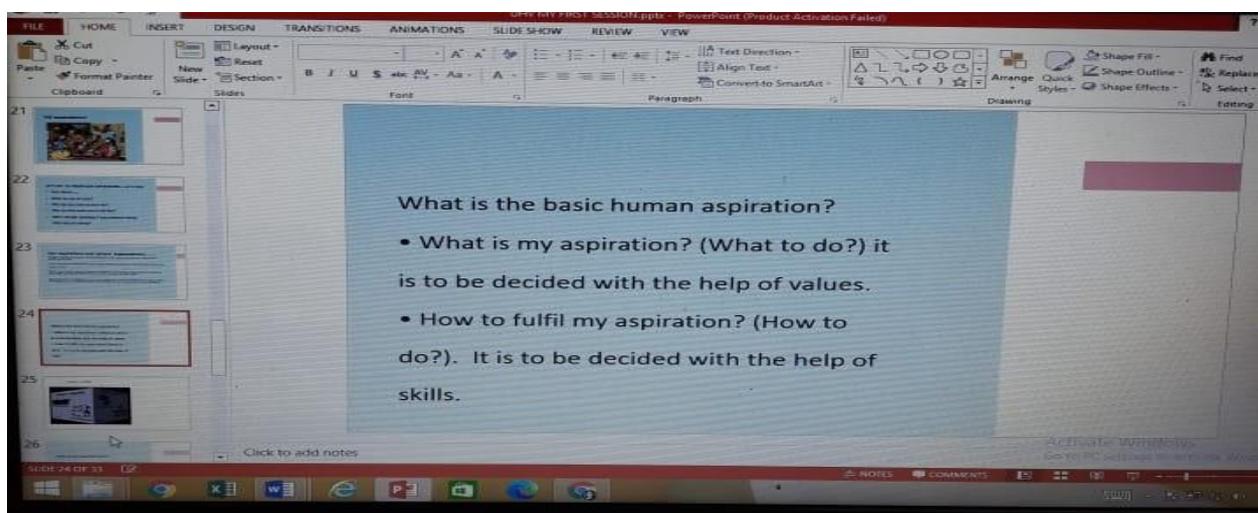


The fourth training module on **Gratitude, self and body** was delivered by Asst.Prof. of English Ms V Jayalakshmi , through which the students were taught the nuances of being thankful and were made to realize that there are so many things for which an individual need to be grateful

forever as gratitude is an emotion similar to appreciation, and positive psychology . The self is an individual person as the object of his or her own reflective consciousness. This subjective reference majorly tailors the behaviour of the body and the personality thereby. Training was given to students as of how to mentor their priceless self to be highly honoured in the society.



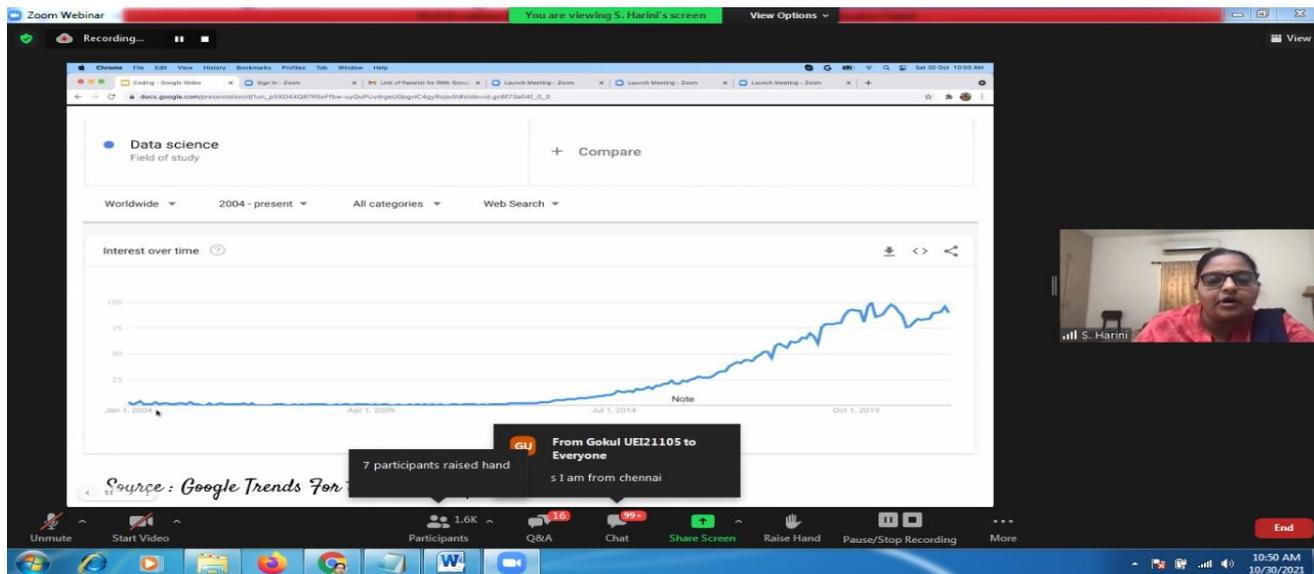
The Training sessions on and “**Anger**” were handled by Asst. Prof. of English Ms. M. Ida. The students were told about the ruinous effects of Anger and how to respond to circumstances to handle Anger. The session largely facilitated the students to be mindful more about their inner being, their performance and their growth rather than competing or fostering anger.



The modules on **Aspiration and Expectation and the Importance of a Healthy Life style** were disseminated to budding engineers by Ms. Kalpana V, Assistant Professor of English. During the sessions, after two ice-breaking activities involving emojis and a short story on comfort zone, an elaborate discussion was held on Aspiration Vs Ambition, the differences between the two concepts and the common misconceptions about Aspirations through relevant videos and pictures. The next session shed light upon how important it is to belong to 5 am club and eat healthy while exercising our mind and body. It was also bringing into limelight how it is mandatory to sleep tight and reduce the screen time for a fulfilling and fun-filled life.

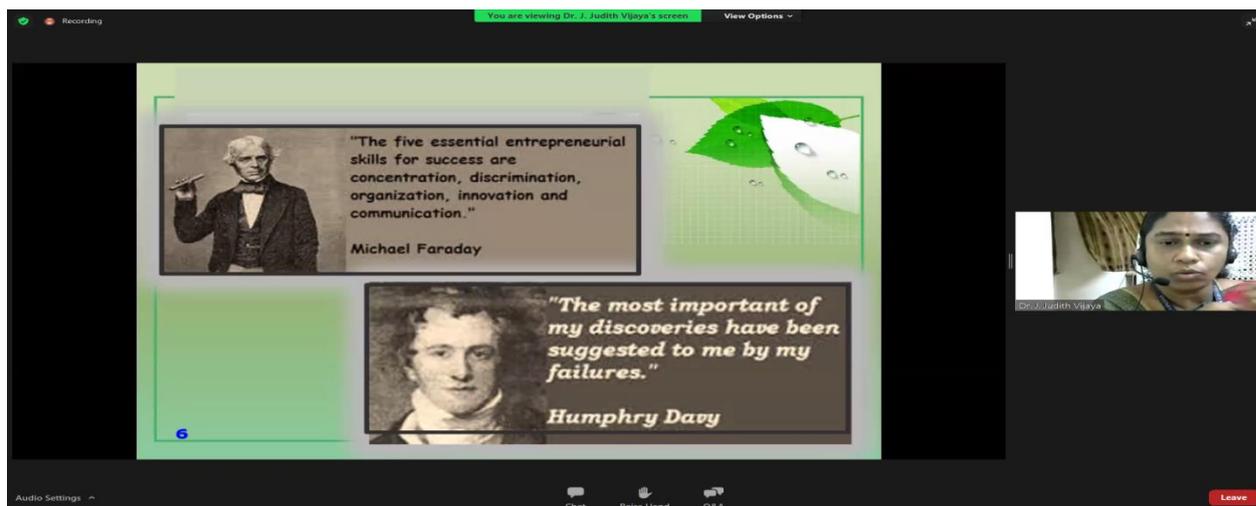
List of Webinars conducted during Student Induction Program

I - The importance of Coding Skills- Ms. S. Harini, Software Engineer-Google, Bangalore



The Department of Science and Humanities R M K College of Engineering and Technologyorganised a virtual webinar on the topic was “**The importance of Coding Skills**”. The webinar's keynote speaker was Ms. S. Harini, a Google Software Engineer from Bangalore. The ability to code has become increasingly crucial as technology has advanced over the years. For students, there are numerous advantages to coding that extend far beyond computer use. It was an extremely interesting webinar that greatly aided in instilling in young minds the need of coding in order to pursue a variety of career paths and opportunities.

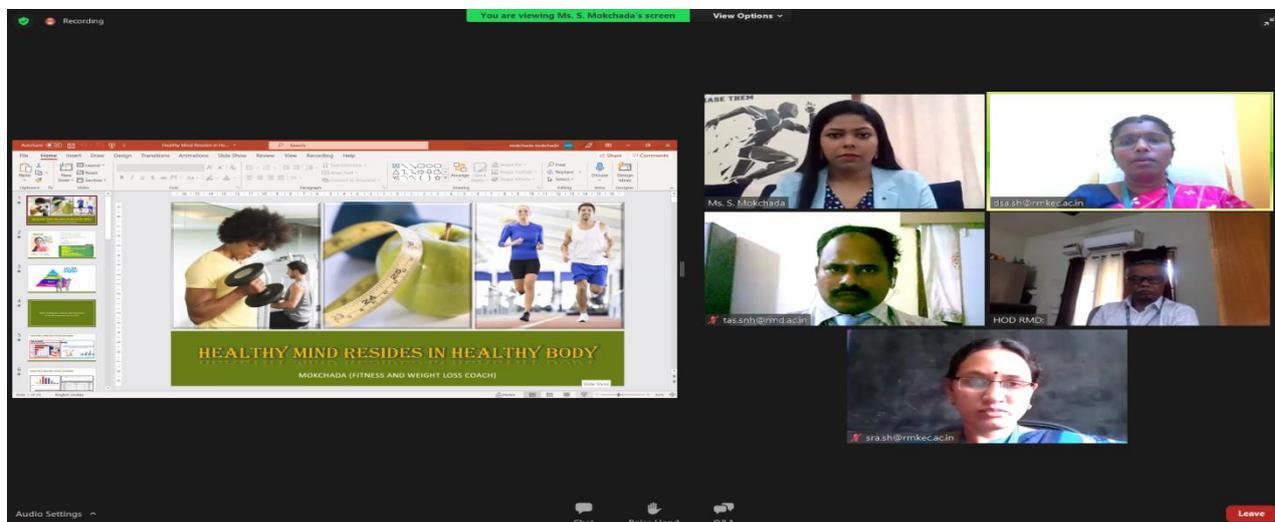
II -Chemistry - Backbone of all Sciences- Dr. J. Judith Vijaya, Dept. of Chemistry, Loyola College



When we consider the significance and magic of science, we may infer that it has a wide range of applications in all parts of human endurance. The Department of Science and Humanities

R M K College of Engineering and Technology organized a webinar on the topic **“Backbone of all Sciences”**. The main speaker was Dr. J. Judith Vijaya of Loyola College's Department of Chemistry. It was a fascinating conversation. The students realized the importance of science in improving humanity's standard of existence.

III - Health & Fitness- Ms. S. Mokchada, B.Tech, MBA, Fitness & Weight loss coach



A Webinar on **“Health & Fitness”** was organized by the Department of Science and Humanities R M K College of Engineering and Technology. Physical fitness helps you feel better by reducing stress, tension, and the likelihood of depression. The Resource Person was Ms. S. Mokchada, B.Tech, MBA, Fitness and Weight Loss Coach. It was a highly educational webinar that enabled everyone to gain knowledge about how healthy behaviors may improve an individual's physical look, emotional stability, and make them more active than others.

IV - Yoga for a Happy and Healthy Lifestyle by Dr. S. Vikaram



A Webinar on **“Yoga for a Happy and Healthy Lifestyle”** was organized to inculcate health awareness among the juveniles, ‘the less immuned generation.’ Dr. S. Vikaram, a veteran Yoga Trainer addressed the students on the health benefits of practicing Yoga. He insisted that Yoga and Meditation are the only ways out to survive as the ‘fittest’ against the microbial world. He also demonstrated a few stretches that could be done on a daily basis to enjoy ‘a sound mind in a sound body.’

V - “Importance of Communication Skills for Successful Career” by Mr. Satish Anand



With **Mr. Satish Anand**, Career Architect and Speaker at Career Labs, International Author, Josh Talks Speaker, Byju's as the Guest Speaker, a Webinar was organized on “**Importance of Communication Skills for Successful Career**”. Mr. Satish Anand motivated the young aspirants to consider language skills as the most vital among the other skills as it would open up avenues for the rest. He encouraged the learners to build on the rudiments of English language and to further strengthen them by regular practice. The Speaker hinted that command in language would command them respect and great opportunities. The Guest Speaker highlighted a few Digital contents that would facilitate the Digital learners acquire the language skills at their ease.

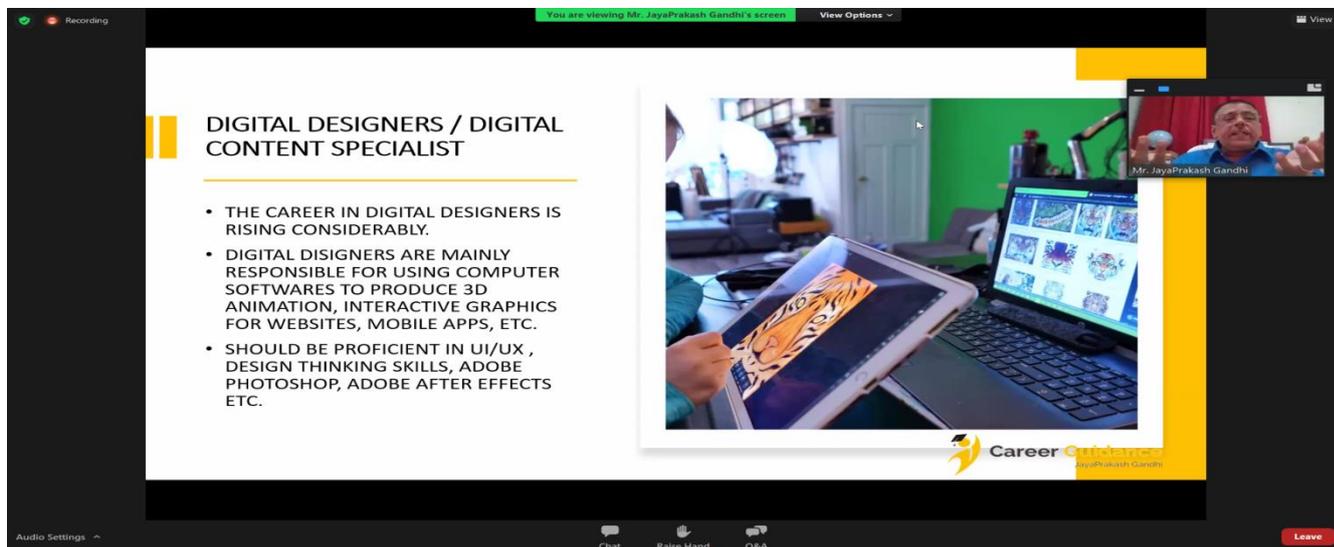
VI - “Significance of Physics in Engineering and Technology.” By Dr.R.Jayavel



Dr.R. Jayavel, Director, Centre for Nanoscience and Technology, Anna University addressed the budding engineers on the “**Significance of Physics in Engineering and Technology.**” **Dr. Jayavel** remarked that Physics as Basic Science plays a crucial role in all the domains of engineering and hence it calls for a comprehensive understanding of its rudiments. He

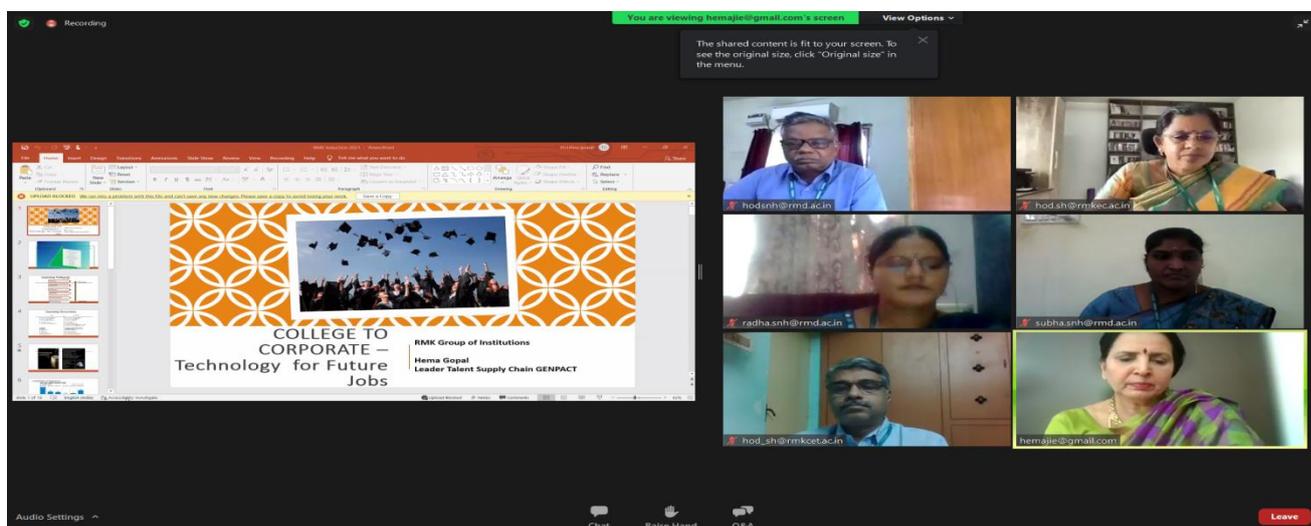
further underscored the recent advancements in the technological world, electronics, rocket science etc. where the role of Physics is inevitably dominant. Dr. Jayavel motivated the learners to explore the world of Physics and innovate to enhance the life of mankind.

VIII - Talk on 21st century Job market and skills by Shri Jayaprakash A. Gandhi, Career Consultant & Analyst



An enlightening talk on **21st century Job market and skills** was delivered by **Shri Jayaprakash A. Gandhi, Career Consultant & Analyst**. He brought the limelight on all the transferable skills and how they relate to things like employability, education, and hiring. As old jobs fall victim to automation and advancing technology, the need for transferrable skills and new knowledge and competencies has increased. He spoke about the skills gap across an entire generation of workers. He explained as to how If that gap isn't addressed, it could have dire consequences for the new global economy. 21st-century skills are based primarily on “deeper learning” skills (like critical thinking, problem solving, and teamwork) and are comprised of a combination of soft-skills (such as interaction, collaboration, processing information, and managing people) and hard-skills (with a mainly IT focus. Digital literacy, media literacy, etc.).

IX - Lecture on Technology for future jobs by Ms. Hema Gopalan



A thought-provoking lecture on **Technology for future jobs** was delivered by **Ms. Hema Gopalan**, B.Sc., B.Tech., MS., Management consulting KPMG India, VP TATA consultancy service. She portrayed on how the world of work is in a state of flux, which is causing considerable anxiety—and with good reason. There is growing polarization of labor-market opportunities between high- and low-skill jobs, unemployment and underemployment especially among young people, stagnating incomes for a large proportion of households, and income inequality. The development of automation enabled by technologies including robotics and artificial intelligence brings the promise of higher productivity (and with productivity, economic growth), increased efficiencies, safety, and convenience. But these technologies also raise difficult questions about the broader impact of automation on jobs, skills, wages, and the nature of work itself.

Enhancing the Art of Communication

Communication Skills were taught to the first-year students by Dr Justin Z and Ms Ida during the Induction Programme which was conducted from 28th October to 9th November. The main objectives of teaching communication skills are to develop knowledge, skills, and judgment around human communication that facilitate their ability to work collaboratively with others. Such skills could include communication competencies such as managing conflict, understanding small group processes, active listening, appropriate self-disclosure, etc.

Embracing the Creative side of Learning

Club activities under **Literary Club, Poster making, Creative Arts, Eco-DIRT, Coding, and Photography club** were conducted to bring about the All-around development of mental, physical, psychological, spiritual and vocational development. A club is an association of people united by a common interest or goal. The club activities were prepared to fulfil The Sustainable Development Goals (SDGs) or Global Goals which are a collection of 17 interlinked global goals designed to be a "blueprint to achieve a better and more sustainable future for all by 2030 designed by the UNO.

Equipping for the Essentials of Engineering

During the Induction Programme, the students were taught the core subjects such as **Maths, BEEME, Engineering Graphics, Python, Mathematics** was taught in order to develop a positive attitude towards learning Mathematics and perform mathematical operations with confidence, speed and accuracy. BEEME was also taught to make the students grasp the basic electrical engineering techniques to be effective in applying electrical engineering principles in engineering practice. The purpose of teaching Engineering graphics is to clearly and accurately capture all geometric features of a product or component so that a manufacturer or engineer can produce the required item. Another core subject Python was taught to make the students learn to design and program Python applications.

