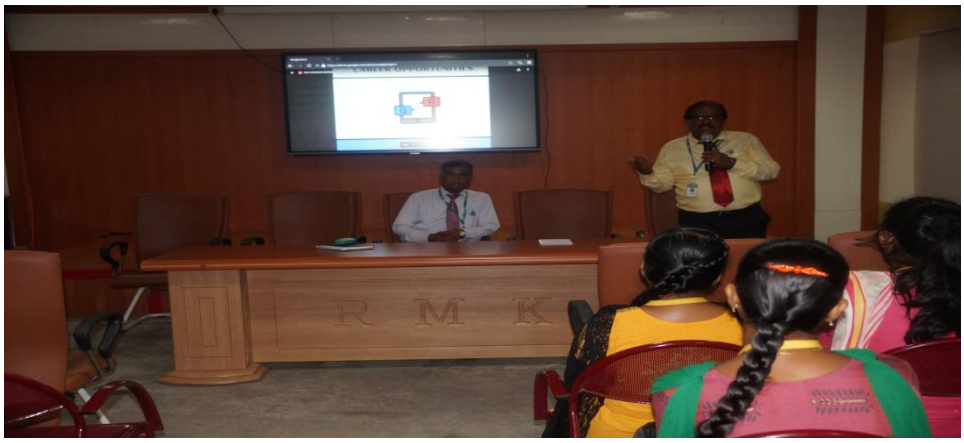
R.M.K.COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution)
RSM Nagar, Puduvoyal – 601206

STUDENT INDUCTION PROGRAMME – (2023-2024)

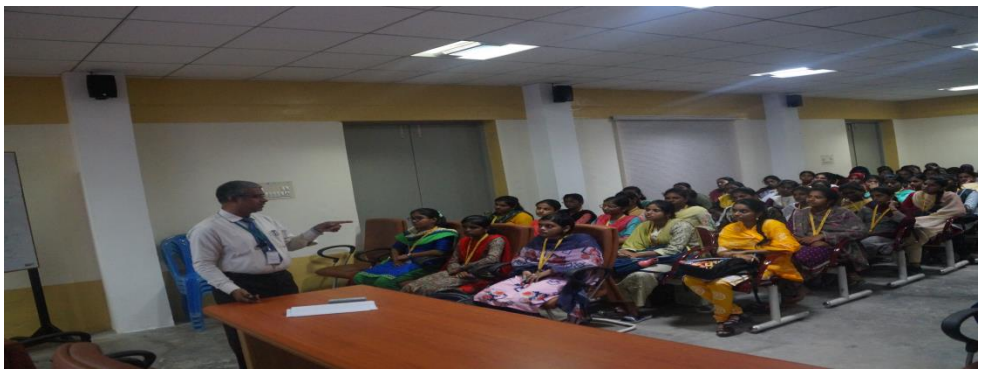
From September 23, 2023, to October 8, 2023, the Department of Science and Humanities conducted a Student Induction Program on Human Values for the first-year Bachelor of Engineering students. It is essential for students to develop their moral principles if they want to succeed as engineers and good people. The Student Induction Program (SIP) has been divided up into different modules in order to cover the most important concepts. It was done in an interesting and effective approach in order to get the desired yield.

BRIEF DESCRIPTION ABOUT THE MODULES



The belief that success is mostly defined by one's ability to work hard and that success is unattainable without it was emphasized by the Principal Dr. K. Ramar and the Dean of Research Dr. K. Sivaram. The importance of setting goals and developing plans to reach them was also covered during the session. Students were encouraged to take on obstacles head-on and grab the opportunity to prosper in both their academic and personal life.

About Autonomous, Curriculum, Syllabus and Grade system

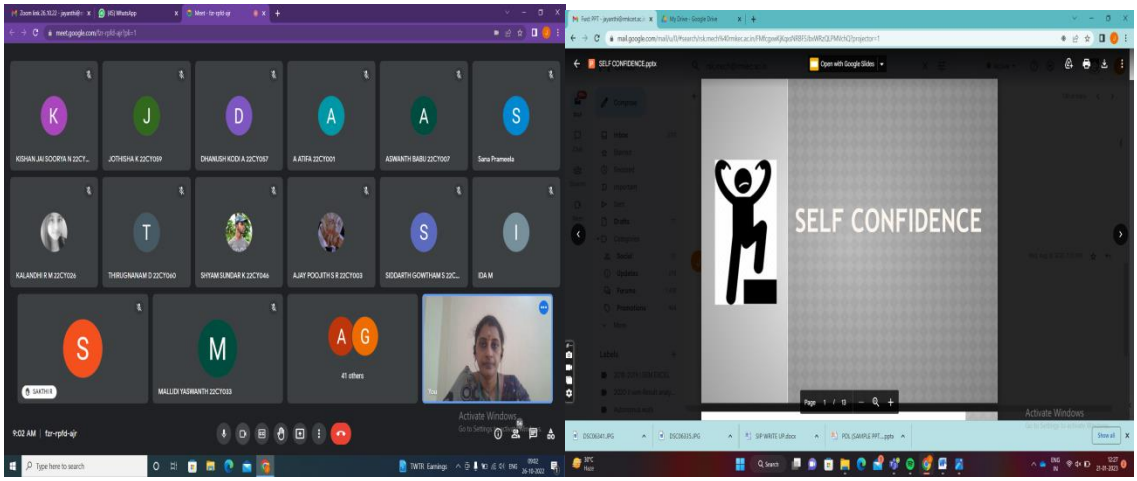


The college's autonomy was briefly discussed by Dr. K. A. Selvakumaran, HOD/S&H, who also highlighted important components of the curriculum and syllabi arefollowed in 2023. He also explained the college's strategy on ongoing assessment as well as the grading system that was implemented for the end-of-semester exams. He clarified the differences between internal and external mark calculation in more detail.

Module 1: Peer Pressure

The "peer pressure" program for Module 1 of the curriculum was under the supervision of Dr. D. Nageswari, Assistant Professor. The training emphasized that everyone has different stress triggers that stress is inevitable, and that peer pressure can also produce stress in one's life. The pupils were informed of the direct and indirect peer pressures that can have both positive and negative effects. The main objective of this training module was to equip participants with the skills necessary to successfully manage all types of peer pressure. A young person's behavior can be significantly impacted by a variety of peer pressure or influence tactics.

Module 2: Self –Confidence

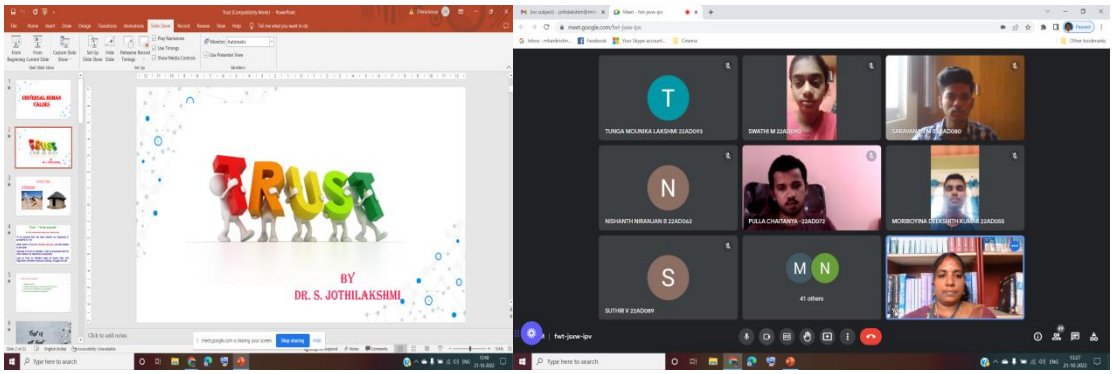


The training for Module 2 "Self-confidence and Relationship with Family" was resourced by Ms. Jayanthi, an assistant professor of physics. She informed the students that having a healthy level of self-confidence can help improve one's ability to succeed in both personal and professional life. Any amount over that will impede development. Techniques for maintaining confidence were also presented to the students. The value of one's relationship with one's family was emphasized throughout the program because family ties may be incredibly healing.

Module 3: Relationship in family

The training for Module 3 “Relationship with Family" was resourced by Dr.S.U.Narmadha, an Assistant professor of physics. She informed universal human values play a significant role in shaping the quality of family relationships and are essential for promoting love, understanding, and cooperation within the family unit.

Module 4: Trust and Respect



The human values lectures for Module 4 "Trust and Respect" were given by Dr. S. Jothilakshmi, an assistant professor of chemistry. She stressed the value of respecting one's fellow human beings as well as one's own self during these lectures. Students were taught that having trust understands that the other person wants me to be happy and prosperous and that trust is the most crucial value in a relationship. Additionally, they learned that respect is the appropriate assessment at the level of the Self. Respect is the full recognition that another person shares my goals, plans, and potential and that our skill sets are complementary.

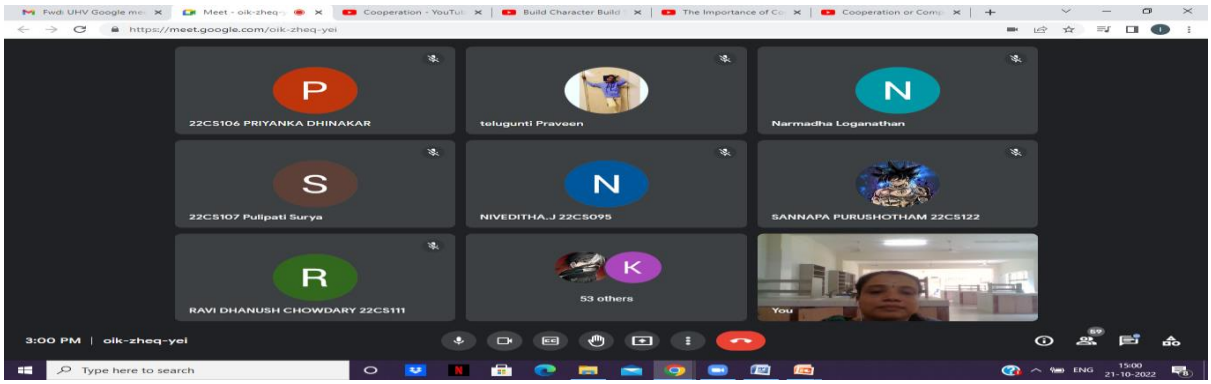
Module 5: Gratitude

The fifth training module, "Gratitude," was delivered by Ms. V. Jayalakshmi, an assistant professor of English. She educated the students on the nuances of gratitude and made them aware that there are numerous things for which one should be eternally grateful because gratitude is an emotion similar to appreciation and positive psychology. The self is a separate person who is the object of one's own reflective consciousness. Both physical behavior and personality are significantly impacted by this subjective reference.

Module 6: Self and Body

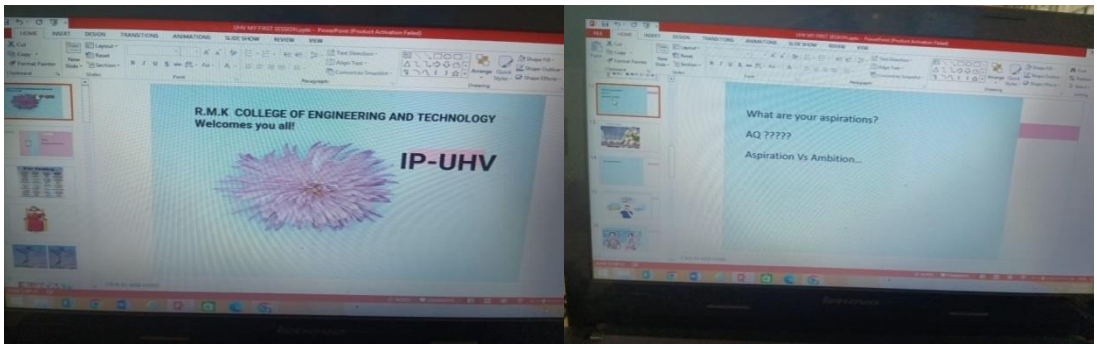
Dr. K. Sudhakar, an assistant professor of chemistry, delivered the sixth training module, "Self and Body". A unique individual who is the subject of their own reflective consciousness is said to be the self. This arbitrary reference has a big effect on people's personalities and actions. In order for the students to become respected members of society, they were taught how to mentor their priceless self.

Module 7: Anger



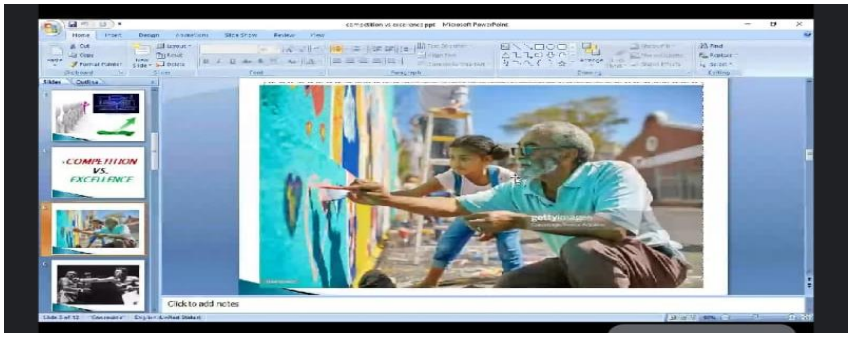
Dr. M.P. Indhumathi, an assistant professor of chemistry, led the sixth training session on "Anger". The detrimental impacts of anger were discussed with the pupils, along with strategies for managing it. The lesson emphasized helping students become more attentive of their inner selves, performance, and progress rather than competing or encouraging anger.

Module 8: Aspiration and Expectation



The eighth training module on "Aspiration and Expectation" was given to aspiring engineers by Dr. Kalpana V, an assistant professor of English. An in-depth talk on Aspiration vs. Ambition, the contrasts between the two concepts, and typical Aspiration myths were discussed utilizing pertinent videos and photos after two icebreaker exercises involving emojis and a short tale about one's comfort zone.

Module 9: Competition vs Excellence

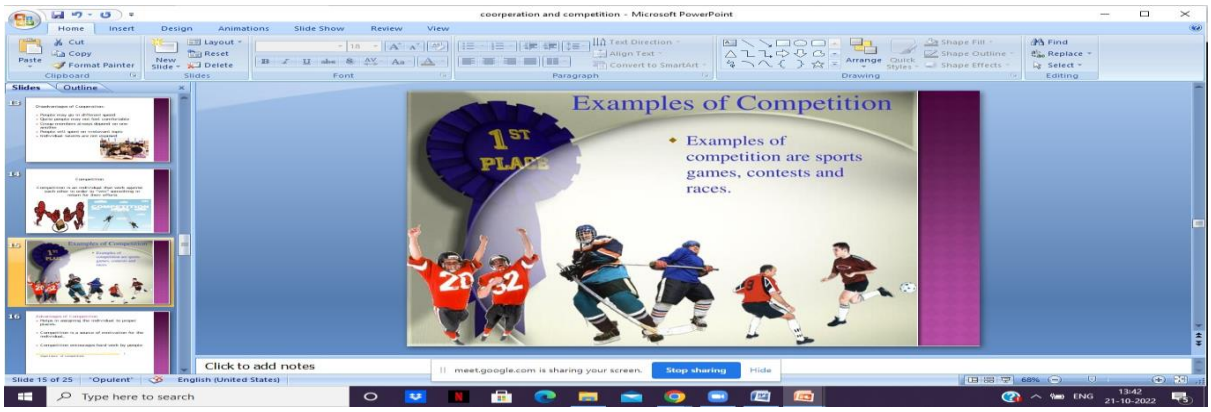


The ninth module was presented by English Assistant Professor Ms. G. Ida. According to the instruction, a student does not need to compete in an educational "rat-race" where the main objective is to be first, surpassing, and leaving others behind in order to truly evaluate one. One should only compete against oneself in order to realize one's qualities, skills, and potential. Excellence can be accomplished by showing more concern than people think is wise, taking more chances than people think is safe, dreaming bigger than people think is realistic, and demanding more than people think is realistic.

Module 10 :Challenges to aspiration

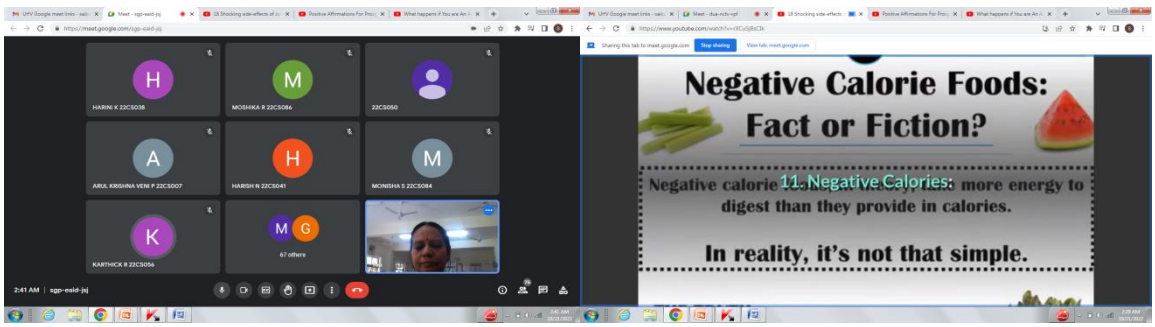
The tenth training module on “Challenges to aspiration“was given to aspiring engineers by Dr. Justin Z, an Assistant professor of English. He motivated the students that aspirations, which are long-term goals and ambitions, can face various challenges that may hinder individuals from achieving them. These challenges can be personal, societal, or environmental in nature

Module 11: Competition and Cooperation



Dr. P. Indhumathi, Assistant Professor of the Chemistry Department, presented the ninth training module, "Competition and Cooperation." Competitive behavior happens when there is a goal that not all individuals can reach equally, whereas cooperative behavior happens when all participants have the same goal, ideally maximizing the efforts of everyone participating. Although it was believed that the students were successful, it is vital to fully comprehend a situation in order to recognize those that are mutually beneficial. To promote society activities while maximizing individual gains, it is necessary to comprehend cooperative and competitive behaviors.

Module 12:Health&Prosperity

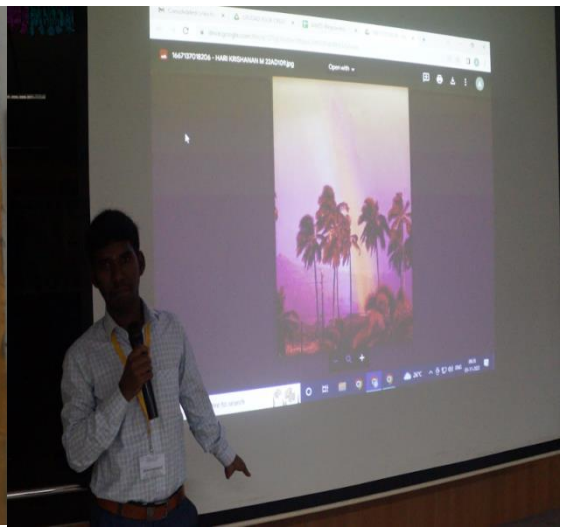
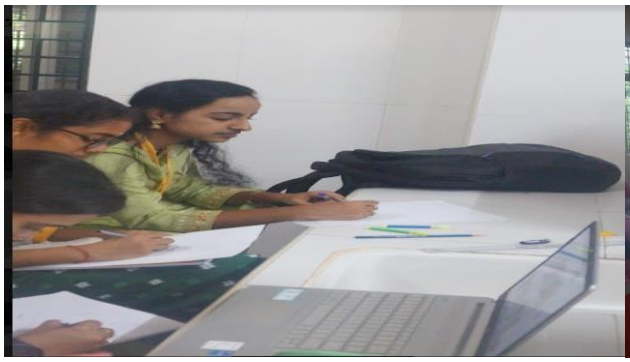


The module, "Health and Prosperity," was presented by Dr. N. Saikumari, assistant professor in the department of chemistry. The ability to achieve financial security and personal advancement without putting one's family or health at risk was taught to students as the definition of prosperity. It comprises improving society and fostering the well-being of others.

Preparing for Engineering Essentials

To help the children develop a positive attitude toward learning the topic and to enable them to perform mathematical operations confidently, quickly, and correctly, mathematics was taught throughout the induction program. C++ was taught as another core subject to teach the students how to create and do programming.

Embracing Learning's Creative Side


Literary Club, Poster making, Creative Arts, Yoga and Eco-DIRT were among the club activities that were held to encourage the holistic development of the mind, body, soul, and profession. A club is a collection of people who are united by a common goal or passion. The Sustainable Development Goals (SDGs), sometimes known as the Global Goals, are a series of 17 interrelated global objectives that the UN established as a "blueprint to ensure a better and more sustainable future for all by 2030." These objectives informed the creation of the club activities.

Alumni Talk

The proud Alumna Ms.Niha Farheen A., Software Engineer, KAAR Technologies addressed the Artificial Intelligence and Data Science students and inspired them with her success story prompted by the ample opportunities provided at RMKCET. She instilled in students the attitude to aspire for lofty goals to be globally competent.

Speaking to the first-year CSE students, Mr.Ragav, a software engineer at Amazon, the Department of Computer Science and Engineering, discussed the wide range of options accessible to a proficient Communication Engineering graduate. He emphasized the need to take advantage of the many chances, they needed to learn and acquire coding abilities.

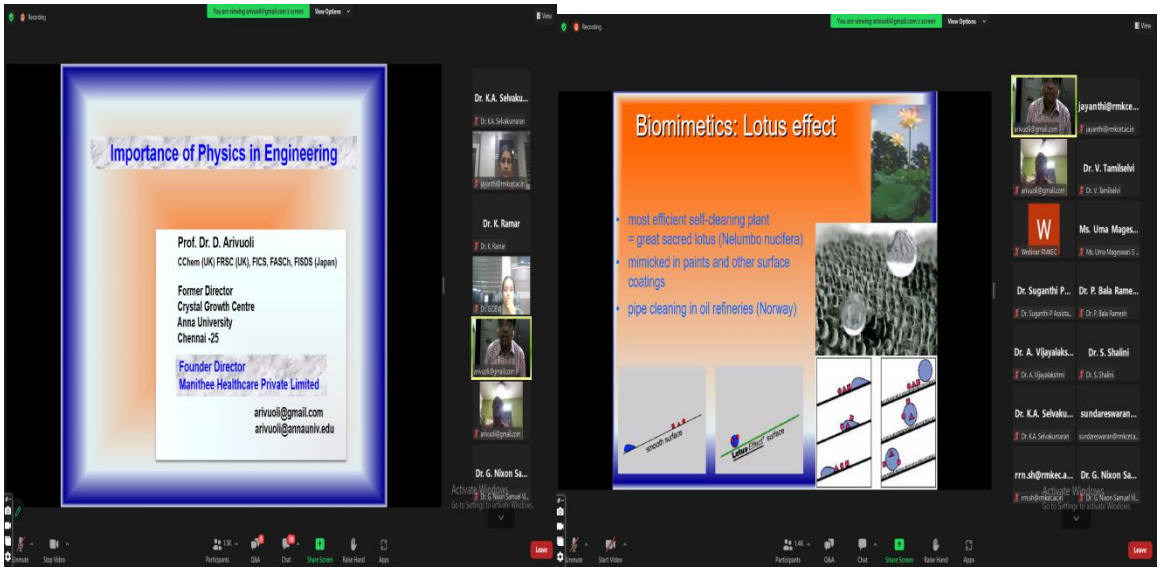
RMK Nextgen

An AI-powered learning application was set up, with Mr. Harsha serving as the resource person. He went over the features of RMK Next Gen, an AI-powered learning application. He gave a thorough explanation of the application's function and significance. The presentation was well received because he handled the extremely complicated features in an elegant yet straightforward manner. All of the application's features were comprehended by the instructors and students.

Department Visit

All of the students visited their own department on campus, accompanied by the instructors of their individual classes. Each department head introduced themselves and provided an overview of their department's resources. The students then went around the department's labs and classrooms. They interacted with the department's faculty members. The visit from the academic members and their department delighted the students.

Physics Webinar



Dr. D. Arivoli gave a talk on the "Importance of Physics in Engineering" to the aspiring engineers. According to Dr. D. Arivoli, physics is a basic science that is necessary for all engineering professions and requires a deep comprehension of its foundations. He also underlined the growing significance of physics in fields like electronics, rocket science, and other contemporary technological advancements. The students were motivated by Dr. D. Arivoli to research physics and develop fresh concepts aimed at enhancing humankind's well-being.

Maths webinar

The Mathematics Division of the Department of Science and Humanities conducted a Webinar on “Mathematics for Engineers.” Dr. S.Gowri Sankar, Associate Professor, NIT, Patna addressed the gathering and infused interest in students about the greatness of Mathematics. He motivated the young learners to learn the application of Mathematics in engineering domain.

Chemistry Webinar

Considering the significance and wonders of science, we may conclude that it has several uses in every aspect of human endurance. The Department of Science and Humanities at R M K College of Engineering and Technology hosted a webinar on the topic of “Initiating Engineering minds into the realm of Chemistry-Fundamentals and beyond”.The keynote speaker was Dr. S. Angayarkanny Assistant Professor, Department of Chemistry, Anna University, CEG Guindy. The discussion was fascinating. The students realized the important science in today’s contest.

English Webinar

The topic of the webinar was “Digital Tools Improve Communication Skills" and the guest speaker was Dr.Rajasekaran Professor of English Director-Students Welfare VIT Chennai. He urged the young candidates to see language ability as the most crucial ability since it would provide access to other opportunities. He exhorted the students to strengthen their understanding of the English language's foundations by continuous practice. The

Speaker hinted that their command of the language would win them admiration and excellent opportunities.

Webinar on Coding

A virtual webinar on IT Fundamentals for Engineers was presented by the R M K College of Engineering and Technology's Science and Humanities department. The primary speaker for the webinar wasMr.ShivakumarRamanujam, Senior Software Engineer, Gen Digital formerly Symantec Corporation. The value of understanding how to code has increased as technology has progressed. For students, learning to code has many advantages that extend well beyond using computers. The webinar was highly captivating and contributed to educating young people about the necessity of learning to code in order to pursue various career options.

Dr Jay Veerasamy Director, Center for Computer Science Education & Outreach, delivered a talk on “Enjoyable coding with JavaScript” to the First year Students. He highlighted that it is a language that empowers the students to create, innovate, and connect with a global community of like-minded enthusiasts. He insisted the journey of coding with JavaScript, and let the joy of coding propel the students forward into a world of endless possibilities.

Webinar on IoT Applications and AI

IoT (Internet of Things) and AI (Artificial Intelligence) converge in fascinating ways, unlocking innovative applications across various domains. The topic of the webinar was “IoT Applications and AI" and the guest speaker was Dr. K. Subramanian, TeamLeader,Enthu Academic Solution Private Ltd. Coimbatore.He discussed the convergence of IoT and AI is a new era of innovation, connectivity, and intelligence. He framed that the combined potential to transform industries and improve lives is vast, promising a future where the synergy between data-driven insights and intelligent decision-making shapes a smarter, more connected world.

Webinar on Intellectual Technique of Mathematics Using MATLAB

MATLAB, a powerful tool for numerical computing, offers a range of intellectual techniques in mathematics due to its versatility and extensive libraries. Invited talk was given by Mr.VivekAsokan Regional Manager Mathworks Educations ARK Infosolutions.Ltd Chennai. He insisted that by combining intellectual techniques with MATLAB's computational power and user-friendly interface, mathematicians can explore, experiment, and innovate in various mathematical domains.

Workout Relaxation techniques for Mental health and Well being

Mental health and well-being can benefit significantly from relaxation techniques, especially when combined with a regular workout routine. A webinar on “Workout Relaxation techniques for mental health and Well-being” was delivered by Ms.MegalaVasanth, Neuro Therapist &Counseller, Chennai.She addressed that the right combination of relaxation techniques and workouts is the key to listen to your body, be consistent, and find activities that bring you both physical and mental satisfaction and relaxation.