

STEM ON WHEELS

An initiative of Agni College of Technology in collaboration with the School Education of TN to create awareness on the importance STEM education & how it serves as a strong foundation for the future! Our Faculty have been showcasing several experiments & emerging technology to energetic & extremely zealous students!

Science is about knowing, engineering is about doing

Strike while the iron is hot. That's how young minds need to be molded at the right age and right time using the right opportunity. With a thirst for learning, young minds react, learn, implement and turn stones into statues in lightning speed. The shift in the education system from books and rote-learning to application and activities are quite breathtaking. Younger generation prefer machines over books and ideas over words. India's future is based on its knowledge base that bring in ground-breaking discoveries through Engineering and Technology. We, at AGNI, pursue to connect curious young minds with subject matter experts and expose them to endless knowledge pool that is aimed at motivating them to raise informed and critical questions about real science throughout their lives. By working directly with young students, we at AGNI, ensure that our exhibition demonstrates compelling knowledge in its highest excellence. At AGNI, we help foster the young minds' curiosity in as well as out of the classroom and engage the next generation of citizens and real scientists. Agni: IGNITE, the initiative from the Agni group of institutions, believes that the best way to make cutting-edge science discoveries available to targeted audience is to engage both enthusiastic young minds and seasoned professionals to innovate accurate and exciting scientific applications together. Engineering drives the entire world. It plays a critical role in the growth and development of a country's economy as well as improves the quality of life among humankind. It is an established fact that there exists an important relationship between a country's engineering proficiency and its economic development. Likewise, the extent to which engineering can aid in a country's development is also dependent upon its young talents and resources required for future prospects. Agni College of Technology is a pioneer in imparting Science and Engineering through Quality Technical Education and hands-on practice. The students at Agni feel themselves as professionals right from the beginning of their course as they learn engineering through practice. This time, we are excited to extend the knowledge transfer to school students as well to enlighten them with engineering marvels that will kindle their interests towards future engineering.

Events:

- 1) Transformation vehicle exhibition: Nexus of science to engineering
- 2) Build your kart
- 3) Know the future of the industry
- 4) Health awareness programme
- 5) Blue-Bot

1. Vehicle exhibition: Nexus of science to engineering

This campaign is exclusively designed to exhibit the working models of vehicles, the engineering marvels. This exhibition is purposed to provoke the interest of students towards engineering and how science is applied in daily life. On witnessing the working prototypes,

the students will be able to understand the functions of various complex engineering systems used in day-to-day life.

2. Build your kart

Automobiles are fascinating machines that attract every individual through its aesthetics, dynamics and its usefulness. This programme provides hands-on experience to school students on building a simple four-wheeler that is driven by an electric motor. The workshop is aimed to widen their knowledge horizon on automobiles and stimulate their young minds to understand how engineering is a part of our day-to-day life. With students constructing their own electric kart, this program is aimed at making them understand the various components of an electric vehicle.

3. Health Awareness Programme

Health is given paramount importance among human needs. If health is lost, everything is lost. To make the young generation aware of engineering applications in healthcare, this program is designed. An expert physician will walk through various health components in life, tips to lead an active and energetic life, hygiene practices, how to maintain a good physique and active mind.

4. Know the future of the industry

Future industries are preparing to witness tremendous transformations so as to manufacture sophisticated and precise products to woo the next generation. Industry 4.0 and its future will have fully automated systems with less workforce to produce high-quality products. The robotic automation is expected to get rid of human involvement in almost all the activities of the industry. This programme will educate the school students on how industrial automation, especially robots are contributing to the manufacturing and production processes. This programme on industrial robots is planned to provide hands-on experience to school students on assembly, control and programming of robots

5. Blue Bot

In this event, students learn the fundamental principles of robotics. The event will provide hands-on experience to school children on simple robots, associated electronics and its control. Since the Bluetooth technology controls the bot, all android devices can be used to control the bot.



2017 – 2018

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2019 – 2020

AGNI HIGHLIGHTS 2019 - STEM ON WHEELS



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