

Organizing Committee



Prof. K. N. Madhusoodanan,
Vice-Chancellor, CUSAT
(Chairman)



Mrs. Razia Beebi T. A.
Principal, JNV, Alappuzha
(Vice-Chairman)



Dr. Abhilash S.
Director, ACARR, CUSAT
(Convener)



Mr. Samkutty D. S.
PGT, JNV, Alappuzha
(Co-ordinator)



Mr. Rakesh V.
Engineer, ACARR, CUSAT
(Co-ordinator)

Speakers and Resource Persons



Mr. C. P. Chandrasekharan



Dr. Shaiju P.



Mr. Shameem K.



Mr. Chandrasekhar



Dr. Aldrin Antony



Ms. Merin K. Wilson



Mr. Anfil Shajo



Vigyan Jyoti Programme
Jawahar Navodaya Vidyalaya, Alappuzha



Knowledge Partner

Cochin University of Science and Technology

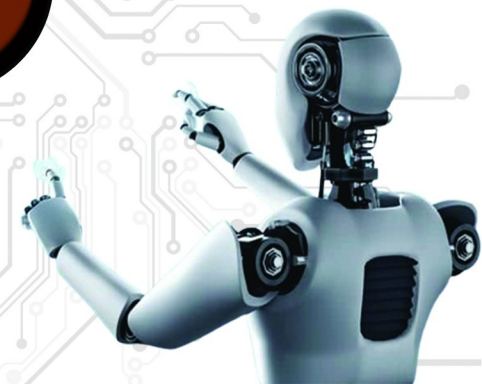
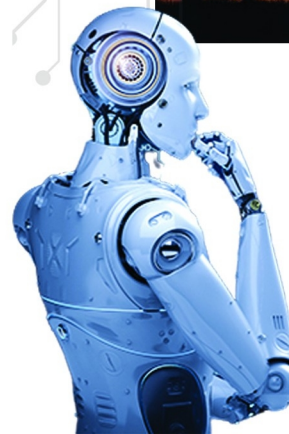
SCIENCE CAMP CUM WORKSHOP



March
09-10
2023



Vigyan Jyoti Programme
Jawahar Navodaya Vidyalaya, Alappuzha
Knowledge Partner
Cochin University of Science and Technology



Vigyan Jyothi Programme

Jawahar Navodaya Vidyalaya, Alappuzha

About JNV

The National Policy on Education-1986 envisaged setting up of residential schools, that would bring out the best of rural talent. The Navodaya Vidyalaya System which began as a unique experiment, is today unparalleled in the annals of school education in India and elsewhere. Its significance lies in the selection of talented rural children as the target group and the attempt to provide them quality education comparable to the best in a residential school system. JNV Alleppey is situated on the side of Mavelikara -Thiruvalla High way at a distance of 6km from Mavelikara. 478 students are admitted in classes from VI to XII .The JNV was selected as the best Govt Boarding School in India by the Survey conducted by Education world Magazine in 2018

CUSAT is a state government-owned autonomous university in Kochi, Kerala, India. It was founded in 1971 and has three campuses. The university awards Degrees in Engineering and Science at the Undergraduate, Postgraduate and Doctoral levels. The university was founded in 1971 as the University of Cochin through an act of the Kerala Legislature, which was the result of a campaign for postgraduate education in the state. It was renamed as Cochin University of Science and Technology (CUSAT) in February 1986. Its goals are to promote undergraduate and postgraduate studies and advanced research in applied science, technology, industry, commerce, management and social sciences.

About CUSAT



The Department of Science & Technology started a unique programme 'Vigyan Jyoti' for meritorious girls with the aim to address the underrepresentation of women in different fields of Science Technology Engineering and Mathematics (STEM) in the country. As a first step, the "Vigyan Jyoti" has been introduced in the year 2019-20 at the school level wherein meritorious girl students of Class 9-12 are being encouraged to pursue higher education and career in STEM field. The Vigyan Jyoti envisaged hand-holding and interventions right from the school level i.e., Class IX and which will continue till the PhD level to encourage girls to pursue a career in underrepresented areas of STEM. Various activities such as science camps, special lectures/ classes, counselling of students and parents, interaction with role models, tinkering activities, visit to Knowledge Partners/ Research Labs/ Industries/ NGOs are being conducted in the programme in order to motivate girls. The Navodaya Vidyalaya Samiti (NVS), an autonomous organization of MHRD, is the implementation partner of Vigyan Jyoti. NVS has a network of Jawahar Navodaya Vidyalayas (JNVs) in more than 600 districts of India and at present, 100 JNVs are acting as 'Vigyan Jyoti Knowledge Centres' to cater for girls from JNVs, KV's, Govt. schools, army schools of small cities and rural areas for more diversity in STEM.

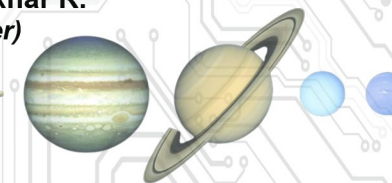
About Vigyan Jyothi



Programme

Day 1 - 09 March, 2023

- Session 1** Topic: **"Artificial Intelligence for everyday life"**
Speaker: Mr. C. P. Chandrasekaran
(Planter & Engineer)
- Session 2** Topic: **"Know Our Water: Water Literacy Programme"**
Speaker 1: Dr. Shaiju P.
(Director, C-SiS, CUSAT)
Speaker 2: Mr. Shameem K.
(Technical Staff, Department of Chemical Oceanography, CUSAT)
- Session 3** Topic: **"Nanotechnology In Daily life"**
Speaker: Dr. Aldrin Antony,
(Director, Centre for Advanced Materials, CUSAT)
- Session 4** Topic: **"Small things of big batteries"**
Speaker: Ms. Merin K Wilson
(Senior Research Fellow, Department of Physics CUSAT)
- Session 5** Programme **"An evening with the stars"**
Resource Person: Mr. Chandrasekhar R.
(Amateur Astronomer-Media Engineer)



Day 2 - 10 March, 2023

- Session 1** Topic: **"Radar Remote Sensing for Weather and Climate applications"**
Speaker 1 : Dr. Abhilash S.
(Director, ACARR, CUSAT)
Speaker 2 : Mr. Rakesh V.
(System Engineer, ACARR, CUSAT)
- Session 2** Workshop on **"Aerial Robotics and Drone Expo"**
in Association with IEEE Robotics and Automation Society (RAS), Toc H Student Branch
Resource Person: Mr. Anfil Shajo,
(Student, Third year Robotics and Automation, Toc H Institute of Science & Technology (TIST), Arakkunnam, Kochi)

