

RSI – 2019

From 24th of April to 5th of June, the 2019 edition of the RSI-Chennai Summer Program was organized at the IIT-Madras campus. 7 students from PSBB (2 from NGM and 5 from KKN) attended this programme, consisting of various lectures, educational trips to various institutions, industrial visits and hands on projects under the guidance of IIT professors.

Lectures were delivered by eminent professors from IIT, CMI etc. on topics ranging from Archaeology to Zoology. Some of the interesting topics covered were 'Particle Physics', 'Special Relativity', 'Probability and Statistics', and 'Cell Biology'. Some of the fascinating researches revealed to us included computational biology, asymmetric synthesis and special materials.

TRIP TO SASTRA

One of the highlights of the program was definitely the 3 day visit to SASTRA University, Tanjore. This included extensive lab visits such as augmented and virtual reality, 3D printing, drone and animal testing labs. A trip to the Big Temple and The Tanjore Palace was also organized.

TRIP TO CMI

Yet another highlight was the visit to the Chennai Mathematical Institution. The beautiful campus and the wonderful facilities complemented the thought provoking and inquisitive lectures in mathematics.

TRIP TO SAINT GOBAIN

The students were taken to the world glass complex of St.Gobain in Chennai. The students were taken on a personal tour alongside the float glass manufacturing line. They were also taught about the history, engineering, economics and the ingenuity of glass industry spearheaded by St.Gobain.

PROJECT

The very purpose of the program was fulfilled when the students took up various research projects aided by Profs. of IIT and their research scholars. These projects ranged from computational to experimental and theoretical to application oriented.

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| C.Surya Panchapakesan | - | Quantum Mechanics and Particle physics |
| S.Joel | - | Carbon Based Hydrogels |
| Nithyasri Srivatsan | - | Monte Carlo Algorithm and TSPs |
| Kshipra Keole | - | Monitoring Reductase activity in Fungi (<i>Candida parapsilosis</i>) |
| Swetha Krishna Sriram | - | Quantum vs. Classical Cryptography |
| Mathusha Rao | - | Special Materials and their properties |
| Sarvajit V Narayanan | - | Systems view of cells |

The students were enriched by the wonderful experience which gave them a glimpse into the fascinating realm of scientific research.

The students thank the school for providing this golden opportunity.



Roving Reporters

KKN