

N.10: Accomplishments of AECS, Indore

Students of AECS, Indore participated in various zonal, regional and national level events, some of which were conducted in online manner due to COVID-19 pandemic, and won several awards, bringing laurels to themselves and the School. Important achievements of the students during July to December 2020 period are given below:

The board results for classes X and XII were declared in July 2020 and the school result was excellent. The results of class X, class XII (Science stream) and class XII (Commerce stream) were 100%.

In class X, 30 students out of 79 scored above 90% marks. More than 92% students passed with first class (more than 60% marks) and the quality index (QI) was 8.15. Master Prachet Dev Singh and Master Samyak Jain secured 97.2% marks to become toppers. Three students, namely, Soham Kumar, Samyak Jain and Tanishka Ruwali, secured 100 out of 100 marks in Mathematics. Six students received 0.1% certificates from CBSE. They are : Soham Kumar (Science/Mathematics) Samyak Jain (Science/Mathematics) Tanishka Ruwali (Mathematics), Aditi Sharma (Science), Dipanshu Mahakud (Science) and Suhani Gupta (Science).

In class XII (Science stream), 06 students out of 35 secured marks above 90% with more than 94% students securing first class. The QI of the Science stream was 7.96. Miss K. V. Swetha secured 96.2% marks to become the topper.

In class XII (Commerce stream), one student out of 10 secured marks above 90%. The QI of Commerce stream was 6.9. Miss Aishwarya Sharma secured 91.8% to become the topper.

Master Vivek Agrawal of Class X bagged 9th position in All India Essay Writing Competition (Hindi) in Class IX & X category conducted by ISRO as part of the ISRO Cyberspace Competition 2020.

Since students could not attend the school in person during the above period due to COVID-19 pandemic, the school conducted various competitions on digital platforms in online mode on the occasion of Hindi Pakhwada (14th September – 28th September, 2020), Vigilance Awareness Week (27th October – 2nd November 2020) and Constitution Day (26th November 2020).

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N.11: Awards and Honours

N.11.1: Award of Doctor of Philosophy (Ph. D.) Degree

The Homi Bhabha National Institute (HBNI), a Deemed University has awarded Ph. D. Degree to following employees /students of RRCAT:

1. Dr. Subhomoy Haldar was awarded Doctor of Philosophy in Physical Sciences on the dissertation, titled "Magneto-optical transport studies on ultra-low disordered semiconductor quantum wells grown by MOVPE", which was supervised by Dr. V. K. Dixit.



2. Dr. Mukund Kumar was awarded Doctor of Philosophy in Physical Sciences on the dissertation, titled "Studies on characterization and application of ultrashort higher harmonic radiation", which was supervised by Dr. J. A. Chakera.



3. Dr. Vinod Kumar Saini was awarded Doctor of Philosophy in Physical Sciences on the dissertation, titled "Laser based isotope-selective photoionization studies on lithium", which was supervised by Dr. S. K. Dixit.



4. Dr. Mohammad Tayyab was awarded Doctor of Philosophy in Physical Sciences on the dissertation, titled "Studies on ion acceleration in ultrashort ultra-high intensity laser matter interaction", which was supervised by Dr. J. A. Chakera.



5. Dr. Shweta Verma was awarded Doctor of Philosophy in Physical Sciences on the dissertation, titled "Studies on plasmonic responses of metal nanoparticles of varied morphologies and their interaction with semiconductor nanostructures", which was supervised by Dr. J. Jayabalan and Dr. B. Tirumala Rao.



6. Dr. Shriniwas Rao Kintali was awarded Doctor of Philosophy in Chemical Sciences on the dissertation, titled "Second harmonic (SH) spectroscopic studies on the effect of amphiphilic molecules-induced adsorption and transport characteristics of an organic cation across a POPG lipid bilayer", which was supervised by Late Dr. Kaustav Das.