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NIC CLUB ACTIVITY “TECHACKS”
organized by Department of CSE

2019-2020

Report - NIC CLUB ACTIVITY 'TECHACKS', organized by Department of CSE

The NIC Club of MVJCE was proud to host this event for Pre-final and Second year students. The event ‘**Techacks**’ is the ultimate test of codes and logic, and consists of 2 rounds which can be played individually or as a group. The cumulative scores are added, to decide the winners.

The main event (Round 2) was conducted on **19th February 2020** (Wednesday), in Rooms 251 and 252, Computer Science and Engineering Department. It started at 1.30 pm and ended at 4.00 pm. **Prof. S Pramela Devi, HoD - CSE** and **Prof. Dr. Vinoth Kumar** judged the event which was coordinated by Event Coordinators **Mrs. Ashwini H K** and **Mr. Karthick Myilvahanan**. Around 100 (50 teams) students from the CSE Department participated in the event.

Techack is an algorithmic programming contest. Teams with two members in each team, representing their class or department, work to solve the most typical real-world problems, fostering collaboration, creativity, innovation, and the ability to perform under pressure. The contest will raise the aspirations of our students, to become the world’s best problem-solvers, in computing sciences and engineering. This event is a mimic of The International Collegiate Programming Contest (ICPC) that is conducted by ACM.

The event had two rounds - the first round is a qualifier round where the teams had to solve 20 questions in 2 hours. The teams which solved the maximum number of questions qualified for the second round. Three problems were set for the final contest, and the contestants had to attempt these in 2 hours. The problems were of varying difficulty and flavor. In selecting the problems for the contest, we looked for two problems that could be solved in one hour by a First or Second year student, and two that could be solved in one hour by a Third year student, and this would likely determine the winners. No problem is completely trivial. Our goal is that every team solve at least one problem, that every problem is solved, and that no team solve them all.

Every contest problem was presented in a real-life scenario. The contest problem sets contained problems to optimize subway schedules, model air traffic control, analyze logic circuits, optimize fence placement, track robot movements, map race courses, simulate airport luggage collection, estimate oil reserves, and so on. Contestants had to look through the scenario for each problem, in order to discern the underlying essential problem and develop algorithms for its solution.

Each problem description consisted of text, a sample input set and the accepted output set. Most problems had helpful illustrations as well. Problem descriptions were limited to a maximum length of two pages.

Outcome: The students are now able to analyse, design and enhance their technical skill, applying it to various topics and fields related to Computer Science. The event helped the students to understand real-world problems and provide solutions to the real-world problems. The event provided a basis for students to take part in international competitions like ICPC by ACM, Codewar by HP, Code jam by google etc.

The Winners of the NIC event ‘TECHACKS’ are:

Winners – 6th Semester CSE:

1. Jonah Jacob Oommen and

2. Koshal Bothra

Runners-up - 6th Semester CSE:

1. Deepthi Singh

2. Nithin Kumar B



NIC club event " Techacks" organized by CSE department: The Event Runners-up Ms.Deepthi Singh & Nithin of 6th semester CSE, receiving cash prize & participation certificate from Prof., S.Pramela Devi, HoD CSE and Prof., Dr.Vinoth Kumar, Assoc Prof. CSE & NIC coordinator's Ashwini HK, Mr.Karthick Myilvahanan at the event held on 19th Feb 2020.



NIC club event " Techacks" organized by CSE department:All Qualified students of Round 1 are trying to solve the problem in round 2 at the event held on 19th Feb 2020.



NIC club event "Techathlon" organized by CSE Department: Students of Pre-final year and Second year are waiting for the results of round 1 in Hall No.251, to qualify for round 2 at the event held on 20th Feb 2019.



NIC club event "Techacks" organized by CSE department: Student co-ordinators are monitoring students and conducting the event round 1 at the event held on 19th Feb 2020.



NIC club event " Techacks" organized by CSE department: The Event Winners Mr.Jonah Jacob Oommen & Koshal Bothra of 6th semester CSE, receiving cash prize & participation certificate from Prof., S.Pramela Devi HoD CSE and Prof., Dr.Vinoth Kumar Assoc Prof., CSE & NIC coordinator's Ashwini HK, Mr.Karthick Myilvahanan at the event held on 19th Feb 2020.