Vishnu Karting Championship

Vishnu Karting championship is a National Level Racing Competition which allows the students from all over India to participate in the event and improve their skills and passion for implementing their knowledge practically. It allows engineering students irrespective of discipline to form a team to learn and to share the knowledge together and also help the students to not only develop their technical knowledge but also build managerial skills.

Vishnu Student Affairs, under the aegis of Shri Vishnu Engineering College for Women has introduced the event for providing a platform to all the meritorious students and an option for good racers to show their hidden skills. It provides various opportunities for the meritorious students all over the nation to participate in different events and ongoing live/R&D projects and to enhance their technical skills.

A total of 60 teams had registered online for the event from different parts of India. It is an Event of 4 Days Dynamic Round in which teams need to compete with their own Handmade Go-karts along with a well experienced racing driver.

<table>
<thead>
<tr>
<th>Team ID</th>
<th>Team Name</th>
<th>College/University Name</th>
<th>State</th>
<th>Achievement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VKC-1528</td>
<td>THE MECHANIZERS 12.0</td>
<td>Sreenidhi Institute of Science and Technology</td>
<td>Telangana</td>
<td>WINNER</td>
</tr>
<tr>
<td>VKC-1552</td>
<td>ACRO RACING</td>
<td>Acropolis College of Art, Design &amp; Technology</td>
<td>Madhya Pradesh</td>
<td>RUNNER UP</td>
</tr>
<tr>
<td>VKC-1552</td>
<td>ACRO RACING</td>
<td>Acropolis College of Art, Design &amp; Technology</td>
<td>Madhya Pradesh</td>
<td>BEST ENDURANCE</td>
</tr>
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<td>VKC-1552</td>
<td>ACRO RACING</td>
<td>Acropolis College of Art, Design &amp; Technology</td>
<td>Madhya Pradesh</td>
<td>BEST AUTOCROSS</td>
</tr>
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<td>ACRO RACING</td>
<td>Acropolis College of Art, Design &amp; Technology</td>
<td>Madhya Pradesh</td>
<td>BEST ACCELERATION &amp; BRAKING</td>
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<td>BEST SKIDPAD</td>
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<td>BEST DESIGN</td>
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<td>VKC-1540</td>
<td>JUNO RACERS</td>
<td>Shri Vishnu Engineering College for Women</td>
<td>Andhra Pradesh</td>
<td>BEST BUSINESS STRATEGY</td>
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<td>VKC-1533</td>
<td>TEAM X-TREME</td>
<td>M.V. College of Engineering</td>
<td>Karnataka</td>
<td>BEST ENDURANCE LAP TIMER</td>
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<td>VKC-1500</td>
<td>ASHWAMEGH</td>
<td>Lovely Professional University</td>
<td>Punjab</td>
<td>BEST INNOVATION</td>
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</table>
Nondestructive testing (NDT) is the process of inspecting, testing, or evaluating materials, components or assemblies for discontinuities, or differences in characteristics without destroying the serviceability of the part or system. In other words, when the inspection or test is completed and the component is passed the test then the part can still be used. NDT can save and/or avoid costs in millions of dollars for facilities that use its methods. Their training requirements and proper application are paramount for realizing ever-increasing benefits.

The following topics were covered during 5 days.

Liquid penetrant testing: A liquid with high surface wetting characteristics is applied to the surface of the part and allowed time to seep into surface breaking defects. The excess liquid is removed from the surface of the part. A developer (powder) is applied to pull the trapped penetrant out the defect and spread it on the surface where it can be seen. Visual inspection is the final step in the process. The penetrant used is often loaded with a fluorescent dye and the inspection is done under UV light to increase test sensitivity. The part is magnetized. Finely milled iron particles coated with a dye pigment are then applied to the specimen. These particles are attracted to magnetic flux leakage fields and will cluster to form an indication directly over the discontinuity. This indication can be visually detected under proper lighting conditions. High frequency sound waves are introduced into a material and they are reflected back from surfaces or flaws. Reflected sound energy is displayed versus time, and inspector can visualize a cross section of the specimen showing the depth of features that reflect sound.

As a regular practice, Shri Vishnu Engineering College for Women organized a National Technical Women Symposium 'Medha Milan' on 8th & 9th Mar 2016. Dr.A. Gopi Chand and Dr. Ch. Hari Krishna act as a judges to the technical events of Mechanical Engineering Department. Our beloved chairman addressed all the participants and emphasized careful planning in order to ladder up in one’s career.
Faculty attended Workshops:

- SK.M. Pasha & Ms.K. Ashok Kumar attended a three-day workshop on “Advanced Vibration Analysis” at JNTUK during 3rd and 5th Feb, 2016.

- Ms.J. Teja Venkata Satish attended a two-day workshop on “Applications Of Manufacturing Technologies for Make in India” at Pragati Engineering College from 2nd to 3rd January 2016.

Faculty conducted Workshops:

- Department of Mechanical organized a Five day workshop on “NON DESTRUCTIVE TECHNIQUES” at SVECW during 4th – 8th Jan, 2016.

- Department of Mechanical organized one week national level faculty development program on “3D PRINTING” at SVECW during 22nd to 27th Feb, 2016.

Faculty Publications:


- Dr. P. Srinivasaraju, Dr. G. Srinivasarao, Dr. Ch. Hari Krishna & Mr. Surya Prakash Varma published a paper titled “A Survey On Finite Element Analysis Software Integrated Design” in the International Journal of Research in Mechanical Engineering and Technology (IJRMET) in the month of May 2016.


### Student Publications:

- **Ms.Kusumanjali Kaladi and Ms.Ravuri Ravalee Kanthi** Presented a Paper on “Nano technology” in aTwo Day National Level Technical Symposium held on 20th & 21st Feb, 2016 at JNTUK.

- **Ms.Sneha Chalamalasetti, and Ms.Sunkara Lavanya** Presented a paper on “Power Generation through Spped Breakers” in a two-day technical symposium organized by Vishnu Institute of Technology, Bhimavaram during 28th and 29th of February, 2016.

- **Ms.Sri Harshitha Yenumula And Ms.Karuturi Dhanusha** Presented a paper on “Cryogenic Engine ” in a two day national level technical symposium at S.R.K.R Engineering College, Bhimavaram during 12th and 13th February 2016.

- **Ms.Kusumanjali Kaladi and Ms.Ravuri Ravalee Kanthi** Presented a paper on “Vacuum Braking System” in a two day techno-cultural fest held on 5th & 6th Feb, 2016 at V.R. Siddhartha Engineering college, Vijayawada.

- **III Mechanical students** attended a two-day workshop on “3D Printing” at SVECW during 28th and 29th February 2016.

- **18 IV B.Tech students** were placed in various companies.

- **20 III B.Tech students** attended placement Training Program from 12th to19th February 2016.