

**-Head Lines-**

Talk to Director DRDO

Aayam-2012

World of WSN

The modern civilization advances by extending the number of important operations which we can perform without thinking of them. Building technical systems involves a lot of hard work and specialized knowledge. This has led to what we call globalization. This knowledge along with the enthusiasm will move the world the way we want it to just by getting proper tint of guidance. Club first is the guiding light for all those budding innovators who have the vision to be different in bringing about the change in the new era. It is rightly said if you believe you can then you are halfway there. Club first since 2006 has been striving to provide excellent expert technical guidance to those who aspire to be the creators. In the year 2012 club first has added some more laurels in its basket.

By Yashika



Photo by Chinmay Sharma 24 February 2012



## UAV are developing by HALE and MALE techniques

UAV are developing by HALE and MALE techniques can help in activities other than the military campaigns. He is an expertise of UAV. These vehicles are developed using solar energy and can continuously fly for 36 Hr's these micro and mini UAV's use High Altitude and Long endurance for combat and Medium Altitude Long endurance technique . India has enough technical man power that can assist in making these UAVs. We are getting help from some big educational institutes too. Apart from military and other technical fields these UAVs are helpful in fire fighting and other types of disaster management.

## UAV will fly up to 50,000 feet

Special talk to Director DRDO V. Ashok Ranjan

Vijay khandelwal, City Bhaskar, Jaipur  
22 Feb.2012

During the visit of the director of DRDO (Defense Research Development Organization) Dr. Ashok V. Ranjan to the inauguration ceremony of Aayam'12 technical fest of SGVU, he said that India will soon have UAV (Unman Air Vehicles) which can cover more than 40 thousand feet and

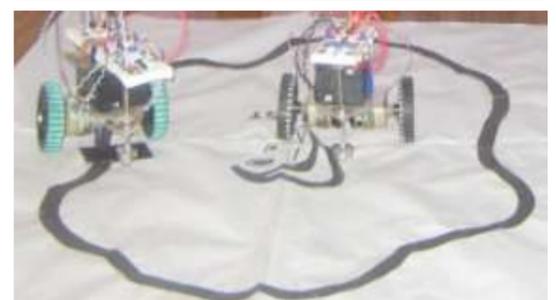
## Now telepathy is possible in Robots

“About 40 robots communicated during WORKSHOP”

Wardha (Maharashtra) 3 Sep.2012

“Telepathic Bot” A theme of hands on workshop organized by Club First Maharashtra centre, during the demonstration about 40 robots followed a virtual line.

During this workshop about 120 students from 5 different colleges took part. Each of them was provided a separate kit and were guided and trained to make their own robot. This workshop was organized as a pre event prior to Aayam'12. After the completion of the workshop the students were made to demonstrate their robots which they made in the workshop. In this event a robot is made to follow a line and simultaneously the other 40 robots had to follow the movement of that robot.



## R & D Interaction program

Assisted by DRDO, ISRO

### JNTU, Anantpur (AP), 8 Sep. 2011

CLUB FIRST had assist in the R&D interaction program of DRDO and ISRO to provide technical awareness to a crowd of 400 students, 20 different colleges with 20 TPO's (Training placement officers) at JNTU, Aantpur.

Dr. Chandrashekhar Asst. Director DRDO & Scientist have guided the people about Rapid prototyping. He laid emphasis on providing technical and practical guidance to the students rather than investing money in mere publicity of the technical institutions. He also said that the institutes should organize more practical training programs to improve their overall placements.

In another session Mr. Bhuvanesh Mishra MD, CLUB FIRST demonstrated the practical approach of WSN (Wireless sensor's Network) and its implementation using robotics.

### SRIT, Jabalpur (UP), 20 Sep. 2011

In another program at SRIT, Jabalpur CLUB FIRST had assist 200 students, 50 faculties with 5 TPO's in R&D interaction program in association with Institution of Engineers.

Along with Dr. Chandrashekhar, Mr. Bhuvanesh Mishra & Prof. Dave provided practical knowledge about satellite communication and its practical approach.



## Aayam -2012

### An international techno fest

By Yashika, 22-24 Feb. 2012

"Woods are lovely dark and deep but I have promises to keep & miles to go before I sleep and miles to go before I sleep" Being born as custodians of this planet we made a promise to Mother Nature as techno grads. Through Aayam'12 we pledge ourselves to the cause of greener world through greener technologies. This was 11th aayam of Gyan Vihar University transforming the world of imagination, where students have developed the platform to get budding innovators to cultivate their grey matters with high yield varieties in collaboration with CLUB FIRST, one of the fastest growing corporations in robotics.

Club first has powered the annual technical fest of the Suresh Gyan Vihar University. It has organized the various workshops and related events during the course of the techno-fest. The theme of the fest was the sky is the limit which was solely portrayed by the students through their innovative ideas and the related projects



Ever enthusiastic team of Club First jumped on their feet to show off their technical skills when the date and events of the techno fest were officially disclosed. Selection of events, formation of teams, collection of materials and ultimately giving a final shape to the model constituted. The whole process of preparing for the Aayam and this process started in full swing from mid August. A team of more than 500 students, worked as a company, divided their task in more than 20 field like marketing, sponsor, technical, administration, finance, accommodation, transportation etc. The complete fest budget of more than 12 lac was handled by team Aayam ultimately project was uncovered from 19 Feb 2012 with rangooli and poster competitions.

More than 8000 students from 20 states and 7 different countries participated in Aayam in different competitions like Robowar, Aerodynamics, Full throttle, Aqadrag, Pick n place, Line follower. Open hardware, paper presentation, Quiz. Students was awarded by prizes of 2 00,000 rupees.



## Robotix

There were more than ten robotics events including robo race, robo soccer, pick and place, line follower, robo war, aqua drag and other advanced robotic events. The students were trained in making those robots. Club first has helped them to nurture their talents and to showcase it at an international level platform. It basically dealt with the designing of a humanoid automation.



## Air shows

Flaming enthusiasm, backed up by horse sense and persistence, is the quality that most frequently makes for success. The sky symbolizes great achievements and club first has taught its students to conquer the sky too.

Club first is the only technical club which has demonstrated the Aeromodeling event in almost every university and college. These models are prepared under the expert guidance of Mr. Palash Paul (Techno Holix CLUB FIRST). These shows gathered a huge and massive crowd to experience the thrill and excitement.



## Open hardware

Formal education will make you a living; self-education will make you a fortune. The open hardware dealt with the imagination of young innovators clubbed with the zeal to be outstanding. Any intelligent fool can make things bigger and more complex... It takes a touch of genius - and a lot of courage to move in the opposite direction. This is what creates a huge operational gizmo or a do jigger.



## Workshops

A creative man is motivated by the desire to achieve. The workshops were intended to build the basics of designing and building one's own autonomous robot through the integration of other technical gadgets. The robot building session had ensured a much clear and abstract idea of autonomous robotics. Apart from this the students were also trained in some of the useful aspects of embedded systems.



## Kiruba Shankar

Brand Ambassador TEDx, Guest Lecture

Kiruba Shankar is an entrepreneur, social media consultant, speaker, author, teacher, podcaster and a farmer. He is the CEO of Business Blogging, a social media consultant firm. He also heads Vaksana Farms, a farming venture and Verdure Books, a publishing house. He has authored 4 books and is working on the next. He is the TEDx ambassador for India. He has written articles in leading business newspapers and magazines. He runs various projects catering to my diverse interests such as Kiruba TV, Kiruba FM, Cerebrate, Sponge etc. He is passionate about comics, antiques, vinyl records, business cards, running, cycling, rowing, traveling and blogging. I don't recall ever reading a book about Swami Vivekananda. Nor have I learned any of his teachings. The

## AIESEC Global Village

Club first also showcased the AIESEC global village event wherein students from about 15 countries participated. There were interactive sessions with these students in which the students exchanged their views and ideas on the education system and the important issues related to technology. They also exchanged their cultural views and the ongoing traditions in their countries. It depicted a great and vivid cultural diversity.



closest I have been to 'him' is to visit the Ramakrishna Math in Calcutta but that was as a tourist. So, it's a bit of surprise that I now spend considerable time on YouTube listening to his talks and reading about his teachings.

So, why this transformation?

On March 27th, I've been invited by MGR University to give a keynote speech at a literary fest to commemorate the 150th birth anniversary of Swami Vivekananda.

The Principal had such high opinion about me. She wanted me to give a motivational talk to the students. I had two choices when I received the call. To turn down the invitation citing my lack of knowledge on Swami's teachings. Or take it up as a challenge, go beyond my comfort zone, and learn about the subject. I loved the idea of the challenge and said 'YES'. I'm glad I did.

The scene now shifts to the airport.

The last two months has been heavy on speaking engagements. I've been traveling around the country speaking at corporate and conferences. I have wanted to improve my repertoire and learn engaging stories to illustrate my points.

I decided to marry travel with reading. Here's what I did. Whenever I'm at an Airport, I pick up a book from the bookstore. The criteria for my book selection are that it has to be small and thin. Max around 100 pages. My goal is to finish the book before the plane lands at the destination. This habit has done wonders to my book reading habit...and my speaking skills! I always aim to include what I learned from the book into my next speech. Its worked out wonderfully. Now I look forward to more speaking opportunities for I know it also pulls up my reading.

# Hot Air Balloon

As the sun rising on 23 Feb. 2012 on Aayam'12 venue the hot air balloon was taking a long breath and about to waking up. Team Hot Air Balloon from Royal Challengers Balgalore was trying to waking up the balloon. The huge engines with big propeller spread air inside the balloon. And hot air balloon took its first breath of the day. The balloon wad tied up by ropes and hooks from the ground. Now the volunteer of Aayam was also supporting to team, by kept open the mouth of balloon so that propeller can spread air inside balloon, some of them handled the rope. . Due to cold and hard wind of the day the balloon didn't want to wake up. More exciting students from different colleges and schools was enjoying that movement like a giant was taking a breath and about to waking up. All the people were waiting to see the huge shape of the balloon and want to capture the movement in their digital lances. When the air went down the team again tried. By the waiting of 12 hours and hard work of team, the balloon went its full stand at 6.15pm. As first time the balloon shown its huge shape the Suresh Gyan Vihar University surrounded by clapping sound of about 16,000 hands. Mrs. Rita Yadav was taking its first test ride. Mr. Rashid Hussain the coordinator of aayam took its second ride and shown sign of victory to the entire student from height of about 100 Feet. One and one about 100 people enjoyed its ride.

## Lecture By Mrs. Reeta Yadav (Asia's First, lady hot air balloon pilot)

During the session Mrs. Reeta Yadav took lecture on Hot Air Balloon discussed about all the cells of Balloon she said that, a hot air balloon consists of a bag called the envelope that is capable of containing heated air. Suspended beneath is a gondola or wicker basket (in some long-distance or high-altitude balloons, a capsule), which carries passengers and (usually) a source of heat, in most cases an open flame. The heated air inside the envelope makes it buoyant since it has a lower density than the relatively cold air outside the envelope. As with all aircraft, hot air balloons cannot fly beyond the atmosphere. Unlike gas balloons, the envelope does not have to be sealed at the bottom since the air near the bottom of the envelope is at the same pressure as the surrounding air. In today's sport balloons the envelope is generally made from nylon fabric and the mouth of the balloon (closest to the burner flame) is made from fire resistant material such as Nomex. Beginning in the mid-1970s, balloon envelopes have been made in all kinds of shapes, such as hot dogs, rocket ships, and the shapes of commercial products, though the traditional shape remains popular for most non-commercial, and many commercial, applications.



## Mayukh-2012

A national level techno fest Banasthali University, Jaipur

MAYUKH is an exciting journey of two days for female technocrats from universities and autonomous institutes all over the India. It explores every sphere of their interest and talent. MAYUKH provides a platform to participants for interaction, sharing and promoting technology. It is an arena to devise a devious plan, which pulls you from behind the scenes to the lead where you can be dexterous, exhibitionist and good enough to outshine others. You cannot find a corner to be passive. So, broaden your wings to take a flight over Banasthali ambience.

Club First organize hands on robotics workshop in this work shop students learnt about sensor robotics and hardware integrity in their fest and demonstrate air show and Throttler's show.

## Prashasth-2012

A national Level Techfest Assisted by Club First

Club First also showcase its technical effort in resultant shape of Prashasth techfest of RCERT, Jaipur. This techfest aims to create platform for young minds to come out of closed classrooms and explore their abilities to achieve something and showcase their talent to the world.

The events of Prashast '12 are categorized as, Gaming Zone, Rock Raga, Fun Arena, Techno Minds, Art Attack.

Club First organized workshop on Robotics and Internet security at prashasth-2012. Team club first also demonstrate the world smallest car, enabled with 7.2cc NOS power. There are only 3 places in India, where this car is demonstrated.





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