

2021

5G-Hackathon



Such a milestone has been achieved by two diligent teams of Idea Innovation Cell. Team Krishiseva consisting Debraj Patra, Snehal Saurav, Gyana Ranjan Sahoo and Rohit Kumar Das, and Team Garuda comprising Ritesh Nanda, Prasenjit Ghose, Tushar Ranjan Das and Suparna Biswal have marked their triumph by making it to Top-100 teams all over India in 5G Hackathon, an eminent rostrum for budding technocrats and innovators to showcase their ideas.

2020



Team Name – Tech2Buzz

Challenge Statement- Detection of loose, hidden diamonds using hand-held detector

Title- Diamond Detector

Team Members- Yashraj Panda
Gyana Ranjan Sahoo
Rohit Kumar Das
Ayush Pandey
Mukesh Nayak



Team Tech2Buzz consisting of Yashraj Panda, Mukesh Nayak, Gyanaranjan Sahoo, Rohit Kumar Das and Ayush Pandey of Idea Innovation Cell emerged as runners up in Tata Crucible Hackathon 2020 Eastern Zone Final.



Team Infinity Loop comprising of three sophomores Suparna Biswal , Ritesh Nanda , Swayasi Sthitapragyan of Idea Innovation Cell put their best foot forward at L&T's CreaTech 2020 and came out with flying colors!



Two teams of VSSUT, Burla comprising of 4 sophomores made it among the top 100 makers of India represented at MAKER MELA 2020, this year.



Our team VSSUT Student Satellite participated in a series of strategic meetings with Govt. of India. Our work as India's first Student Rocketry team was appreciated at the apex office PMO India.

Interacted with Dr Jitendra Singh ji, Hon'ble Union Minister of State for Prime Minister Office, Personnel, Public Grievances & Pensions, Dept of Space & Atomic Energy.

Interacted with Dharmendra Pradhan ji, Hon'ble Union Minister of Petroleum & Natural Gas and Steel.

Interacted with IAS Dr. K.P. Krishnan, Secretary, Ministry of Skill Development and Entrepreneurship (Skill India).

Interacted with IAS Dr. Arabinda Kumar Padhee, Country Director ICRISAT.

2019



Among the top 20 winners of IIGP 2.0 University Challenge 2019.



Apurwa Masook successfully completed the [Massachusetts Institute of Technology \(MIT\) MIT Bootcamps](#) for Innovation and entrepreneurship at Austrlia.



Our Team Spine-Care won the 2nd Runners up Prize with a Cash Prize of INR 1 Lakh at Anveshan 2019 Innovation Fellowship organized by [Analog Devices, Inc.](#). Received the award from Mr. Sai Krishna Mopuri, MD - Analog Devices (India).



3 teams for reaching through the Grand Finale round of Hackathon on Road Safety organised by Indian road safety campaign in association with [Ministry of Road Transport and Highways, Government of India](#), [United Nations](#) and [Bosch India](#) at IIT Guwahati on 30-31st March, 2019.



Grand Winner of BIRAC National Innovation Challenge for the Innovation Senio Care- A smart Phone based Breast Cancer Early Screening Device .



Our Team Completed Intership and Industrial Training at different Industries and Institutions of India . A 8 member 2nd year student team were at Reliance Power, Nagpur with [Ashesh Padhy](#) Sir (Sr. VP & Station Director, VIPL) .A 2 member team were at [UNICEF SRISTI](#) Summer School of inclusive Innovation, Ahmedabad with Prof.[Anil Gupta](#) .A Group Containing 4 members were at Nabha L&T Power , Punjab with [Athar Shahab](#) sir (CEO, NPL (L&T)) .Also a team of 8 members were at DRDO ITR chandipur with S. M. Ali (Scientist E) .And also other members of Team completed their training at HAL,Sunabedha,IFFCO(Paradep) .



A first-of-its-kind 2 Day Technical Workshop on Launch Vehicle Technology was organized on 25/04/19 - 26/04/19 to impart knowledge on Ground Station & Telemetry, Guidance & Control, Materials & propulsion, Pyro & separation systems, Range safety & precautions.

It hosted following 11 eminent speakers from different centres of [ISRO - Indian Space Research Organisation](#)

Sri Bhatt Tushar Shriram, PSCG, VSSC , **Sri Rajendran S**, STR Entity, VSSC , **Sri MNNamboodiripad**, DD, AVN, VSSC, **Sri Narasimham JV**, DD, GSNA, ISTRAC , **Sri Ramkumar P**, GM, MMA, VSSC ,

Sri K Poonginan, DD, LSSF, SHAR, **Sri Rajesh Prabhudas Mohod**, MVIT, VSSC , **Sri Gopal Jee**, DH, CGSE, VSSC , **Sri Premdas M**, ASMG, VSSC, **Sri Baby Abraham**, GD, ASOE, VSSC and **Sri Jiwan Kumar Pandit**, AD, OHRD, CBPO, ISRO-HQ .



Our Team with VP Tech Society [Dr-Harish Kumar Sahoo](#) had a meeting with [ISRO - Indian Space Research Organisation](#) High Officials at Antariksh Bhavan (Dept. of Space) HQ, Bengaluru on 19th Feb 2019, regarding our project presentation and the functioning of ISRO Innovation Center at VSSUT.

Modi praise for VSSUT's young 'rocket scientists'

Hemanta Pradhan
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Bhubaneswar: It was a moment under the sun for around 50 students of the Veer Surendra Sai University of Technology (VSSUT), Burla, who earned praise from Prime Minister Narendra Modi for their role in sending research rockets to space during the January 24 Kalamsat launch. Modi, during Sunday's Mann Ki Baat radio programme, highlighted the work done by these young achievers. "On January 24, Kalamsat fashioned by our students had been launched. The Sounding Rockets made by Odisha university students have also created many records," Modi said.

Sounding Rockets, also known as research rockets, carry scientific instruments into space. There are some regions in space which are too low for satellites to carry out research and these rockets are used for such work in low altitude. Its scientific payload can be positioned for a period ranging five to 20 minutes in space.

Idea Club, a group of students from different departments of VSSUT, worked on the rocket along with the launching vehicle. The university claimed it is India's first indigenously built multi-purpose rocket developed and launched by a student club.



A tableau with a rocket on display at the Republic Day parade in Bhubaneswar on Saturday

Atal Chaudhuri, vice-chancellor of VSSUT, said credit for this goes to the students of the university.

"Though the Prime Minister has not taken our university's name, but it is a clear indication of our work," Chaudhuri said.

He added that a team of Indian Space Research Organi-

sation (ISRO) scientists had visited the university on December 19 and showed interest to set up an incubation centre here. "We are so happy that ISRO has taken interest in our students' work. Even the state government has helped us a lot in this endeavour," he said.

Harish Kumar Sahoo, an associate professor and vice-chairman of Technical Societies of the university, said some students had been working on building a small rocket in their hostel room some four years back. "They took it to the next level with the help of the university's alumni. Later, the university also helped them. Now around 50 students are part of the club and working on this project," Sahoo said.

Apurwa Masook, a member of Idea Club, said he and 10 other members of the club had attended a two-month summer internship and project work at ISRO's Space Applications Centre in Ahmedabad, and learnt many things regarding the rocket's make and launch.

Featured on Hon'ble PM Modi ji's Maan ki baat (27-01-2019)



Our Team under the guidance of Dr. Pradip K Sahu, participated in [DRDO](#) International Conference [IEEE](#) at ITR Chandipur.

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ISRO space tech centre in VSSUT

A Space Technology Innovation Centre will be set up by Indian Space Research Centre (ISRO) in VSSUT-Burla here.



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ISRO Chairman K Sivan (File | PTI)

By Express News Service

SAMBALPUR: A Space Technology Innovation Centre will be set up by Indian Space Research Centre (ISRO) in VSSUT-Burla here. In September last, ISRO Chairman K Sivan had announced that six Space Technology Innovation Centres will be set up across the country over the next one year. Following this, a group of VSSUT students sent a letter to Sivan requesting for a centre at their institution.

ISRO to establish Tech Innovation cum Incubation Center at VSSUT Burla.- Announced by Dr. K Sivan (Chairman ISRO)



[VSSUT Student Satellite](#) on India's 70th Republic Day at the State Parade Bhubaneswar (Odisha)

2018



[VSSUT Student Satellite](#) team Interaction with Team Hon'ble [ISRO \(Indian Space Research Organisation\)](#) Scientists on 20th December 2018.



[VSSUT Student Satellite](#) Team at One day visit at [DRDO](#) Integrated Test Range Chandipur on 19th December 2018. Our Team visited the Optical centre, Radar unit, Mission control centre, Launch complex, bird sanctuary and deer Park, Range HQ. We also witnessed a live launch of small missile of 3km range.



Idea Club Team was Honored by **Nuakhai Samman**, by Dr. Ashwini Pujari, Director VIMSAR and Shri Durga Padhi on 25 November 2018.



Inauguration of MHRD Ministry of Human Resource Development, Government of India **Innovation Cell at VSSUT, Burla** on 21st November 2018.



Invited at **Innovision, NIT Rourkela** - Annual TechFest of National Institute of Technology, Rourkela, where our VSLV team (Anshuman Pattanaik, Bibhu Panda, Sanjeev Dash, Markandeya Mohapatra, Amartya Mohanty, Rohit Tekriwal, Lakshya Agrawal) delivered a **Keynote Session and Tech Exhibit**. (3rd-4th November 2018)



Idea Club Team **Felicitation by North India Chapter - VSSUT Alumni Association** at IIT Delhi & Appreciation by Ex Director Power Grid Mr R P Sasmal (President) 1979 batch, Mr SK dash , 1977 batch and Prof. Sukumar Mishra 1990 batch.



Grand Winner of **Anveshan 2018 Make For India** Innovation contest Organized by **Analog Device Inc** . Finals organized at Bangalore on 6 August 2018.



Idea Club Team of 4 students - Jaswasi Sahoo, Sovan Panda, Sudarshan Samal, Tatwam Siddha are the **winners of University Challenge, India Innovation Growth Programme 2.0**, by DST, Government of India, Lockheed Martin and Tata Trusts. Remarkd by the eminent presence of personalities like Mr. Ramesh Abhishek, secretary DIPP, Mr. Robbie Samanta Roy, VP Lockheed Martin Corporation, Prof. Ashutosh Sharma, Secretary DST. Our Team received a grant of 10 Lakhs for further development of the product, on 2nd August 2018 in New Delhi.



Foundation stone laying ceremony of Innovation cell, Govt. of Odisha organized on the Foundation day of VSSUT (formerly UCE, Burla), 1 July 2018. Thanks to our Hon'ble Vice Chancellor Prof. Atal Chaudhari, Dean Student's welfare Prof. Debadutta Mishra and mentors VASI (VSSUT Alumni for Skill and Innovation). The Occasion was graced by Mr. Ashesh Padhy, Sr. VP & Director, Reliance Power, Mr. Tarun Ballav Mishra, COO, WESCO & Mr. Siba Prasad Padhi, MD, Udra Constructions.



A team of 11 members (final year undergraduates) underwent a two-month long research internship and project work at **Space Applications Centre, Indian Space Research Organization (SAC, ISRO)**, Ahmedabad. It commenced on the 15th of May, 2018. They are the first batch from odisha ever to achieve this. They worked on different projects of space technology which include, Rover Technology, Advanced observational telescope, GIS Remote Sensing, Radar Technology, Lithography technology, Space-grade Composite materials and others. The team was highly appreciated and recognized by Shri Tapan Misra, Distinguished Scientist and Director of ISRO Ahmedabad.



On 69th Foundation Day of Bhubaneswar Smart City Hon'ble Chief Minister felicitated **Ms Mamta Gupta** with Govt. of Odisha Youth Innovation Award at Jaydev Bhawan, on 13th April 2018. Chief Minister Naveen Patnaik distributed free incubation offers during the grand finale of **Startup India-Odisha Yatra**. The Start-up Yatra launched on January 30 impacted nearly 10,000 youth across 50 academic institutions in 16 districts. While around 3,600 ideas were received during the period, 125 ideas were shortlisted for three-day accelerator programme. VSSUT Burla bagged the award for best boot camp.

MSME Minister **Prafulla Samal**, Chief Secretary **AP Padhi**, Additional Chief Secretary MSME **LN Gupta**, Additional Secretary Department of Industrial Policy and Promotion Atul Chaturvedi were the dignitaries.



Ranjan Panda bags 2nd Runner's Up in Sociovation 3.0 , for pitching Manual Rice Transplanter Machine. A Pan India B-Plan competition on social Innovation. Organized by Technology Development Board, DST with UK aid, on 20 April 2018.



The Idea Club of VSSUT Burla presented several innovations and StartUp to **Hon'ble Chief Minister Odisha Shri Naveen Patnaik**, at Odisha Secretariat on 20 March 2018.



Bodhisattwa Sanghapriya, won the **DST-BIRAC Innovation Challenge Award** BIRAC (Department of Biotechnology Govt of India), and has been awarded a grant of 15 Lakhs, on 20 March 2018.



Interacted with **Er.Sudhakar Patri** sir, Former **Chief Engineer of Hirakud Dam**, regarding Application of Space technology for mapping the silt of the reservoir, on 21 January 2018.

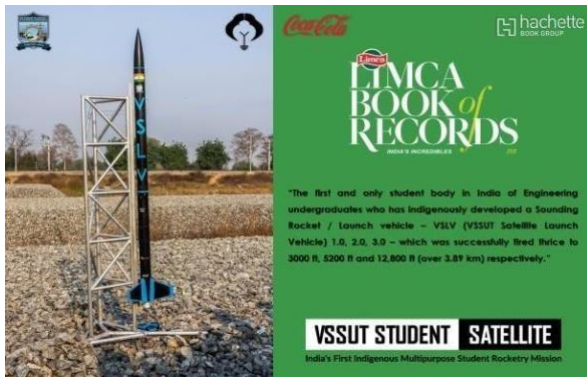


Appreciation and Interaction with **Mr. Jack D Fischer**, **NASA Scientist and Astronaut** at DST Odisha Knowledge hub convention, 9 December 2017.



Felicitation on Republic Day (26th January 2018) by honourable chief guest **Dr Raseswari Panigrahi, MLA, Sambalpur** for the success of VSLV 2.0 mission.

2017



The VSLV Team, registered **Limca Book of Records** for being the first and only student body to have indigenously developed and launched Rockets.



The VSLV Rocket and Satellite Team of Idea Club, Individual Rocket Launch registered for V.S.L.V in the Prestigious **India Book of Records**, December 2017.



VSSUT Student satellite – Hirakud Dam Monitoring Project, won the **Create the Future Popular Design Award 2017**, by NASA Techbrief. Ms. Anita Mohanty (Batch of '99) received the Award, at New York City, United States.



The VSLV Team received the **Pratishta Samman** Award for best Social and Scientific innovation, by **Sj. Prafulla Mallick, Hon'ble Minister of Steel Energy and mines** and MLA Sambalpur Dr. Raseswari Panigrahi in a felicitation ceremony on 22nd October 2017.



The VSLV Team of Idea Club interacted with **Dr. G Satheesh Reddy**, Scientific Advisor to **Raksha Mantri (Ministry of Defence, Government of India)** and **Director General, Missiles and Strategic Systems**; Distinguished Scientist & Former **Director**, Research Centre Imarat (RCI, **DRDO**).

Indian delegates, **Bodhisattwa Sanghapriya** and **Apurwa masook** from **Idea Club**, Received "**molodo zvezda**" (Youth star) Award and memento, Certificate of Appreciation; on 22 October 2017. Another certificate of merit officially from **Ministry of Industry and Trade Russia**. A total of over 25000 participants from 185 countries had participated in **XIX World Festival of Youth and Students, Sochi**, Russia 2017. VSSUT team was the only team representing India in Science & Technology Section. The Award was given in recognition of the **VSLV Rocket and Satellite Project**. The Festival was inaugurated and chaired by his Excellency Hon'ble President of Russia **Vladimir Putin**.



Team from Idea Club, VSSUT awarded at Sochi Olympic Park, Russia



The VSLV Rocket and Satellite Team of Idea Club were awarded the first Prize at Aerospace Expo in **World Space Week** organized by **ISRO, Sriharikota**, on 10 October 2017.



Our Team of 10 pre-final year students at Nagpur, with the Director of **Reliance Power** – Mr. Ashesh padhy, and Vice President of Alumni Association.



The VSLV Team formally interacted with Mentor **Dr. Bijan Das**, Former **Deputy Director, Vikram Sarabhai Space Center, VSSC, ISRO**, on April 11 2017.



The VSLV Rocket and Satellite Team of Idea Club won the **Champions trophy** and the Best Innovation Award of the **Asia's 1st Intercollege Rocket Competition**, organized by **BRICS (Brazil, Russia, China, India, South Africa)** & Space Development Nexus, on 27 August 2017. The team was also appreciated by Hon'ble Chief Minister of Odisha Shri Naveen Patnaik, at Odisha Secretariat on October 7 2017.



Snaps with Eminent Alumni Members and Faculty during **Diamond Jubilee** Celebrations of VSSUT Burla and 3rd Global Alumni Meet on 18-19th March 2017. Highly appreciated for Exhibition of Ten Innovative projects.



SRISTI (Society for Research and Initiatives for Sustainable Technologies and Institutions) with UNICEF and National Innovation Foundation [NIF], organized **Summer School of Innovation** at the Grambharti campus, Ahmedabad, from 24 May to 12 June 2017.

Felicitations and Appreciation from **Prof. Anil Gupta**, Executive vice Chair – National Innovation Foundation, for organizing 39th SodhYatra in Barpali., May 2017



The team represented the VSLV at **Maker Mela in Mumbai** for the year 2017. It brought in the attention of the jury which constituted of Professors from MIT and they applauded the satellite for its innovation and design. The team was awarded with **Honorary Jury's Choice Award** at the festival.



The team represented the VSLV at Maker Fest held in Ahmedabad for the year 2017. The top notches of the maker community appreciated it. The Project bagged the **Most Promising Social Innovation Award** at the festival.

2016



Our Team won the **Best Presenter Award** at India International Science Festival which was held at CSIR-National Physical Laboratory, New Delhi in December 2016.



Our Team represented India at **India International Innovation Festival 2016** held at Bangalore, during October.