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IIPE MANUFACTURING NEWS

Editor-in-chief
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Monthly Newsletter of the Indian Institution of Production Engineers

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Dr. Wooday P Krishna, National President, IIPE

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Signing MoU: Indo-Serbia Collaborations; Looking for Stronger Ties!

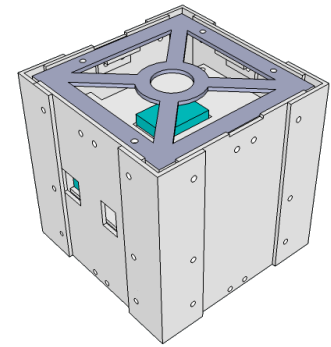
19 December 2019 at New Horizon Knowledge Park, Bangalore



Core Team Members of Indian Technology Congress Association (ITCA), Indian Institution of Production Engineers (IIPE) with Serbia Team



L to R: ITCA President, Dr. L V Muralikrishna Reddy, IIPE President, Dr. Wooday P Krishna, Sapienza University of Rome Prof. Sabio Santoin, Head of CSPD in Serbia Prof. Dusan Radosaljevi, IIPE President, Dr. Wooday P Krishna at the Signing of Indo-Serbia MoU during an International Conference Organized by New Horizon College of Engineering at New Horizon Knowledge Park, Bengaluru, INDIA on 19 December 2019.

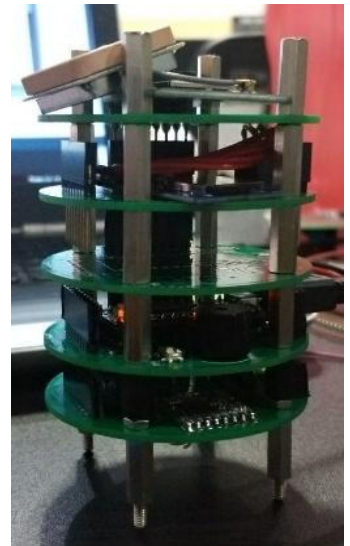
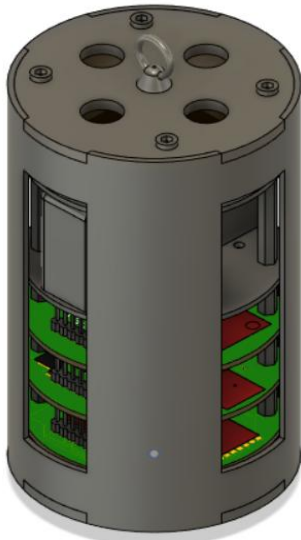


CSPDsat-1
[1U CubeSat Small Spacecraft of Serbia]

ITCA President, Dr L V Muralikrishna Reddy, IIPE President Dr Wooday P Krishna, Er D V Nagabhushan, IIPE National Secretary, Dr K Gopalakrishnan, Sapienza University of Rome Prof Sabio Santoin, Head of CSPD in Serbia Prof Dusan Radosaljevi at the Signing of Indo-Serbia MoU during an International Conference Organized by New Horizon College of Engineering, Bengaluru, INDIA on 19 December 2019.

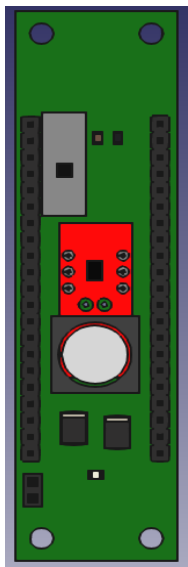
Collaboration for Testing and Launching of CSPD Sat of Serbia in India

Collaboration for Conducting Capacity Building CanSat Workshops in Eastern Europe along with CSPD
Organizing Continental and Global CanSat/Rocketry Competitions 2020/2021 at Serbia
Students' Exchange/Higher Education/Joint Development of Satellites for Former Yugoslavia! Regions

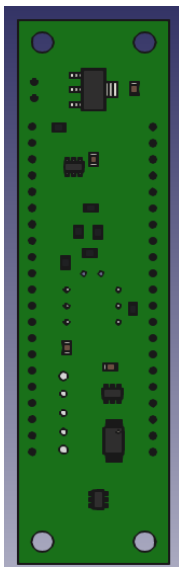


Views of Final Assembly of CanSat Built during above Workshops (*Patents Filed*)





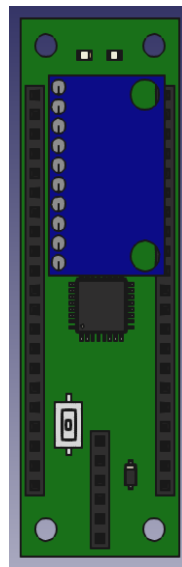
Top View



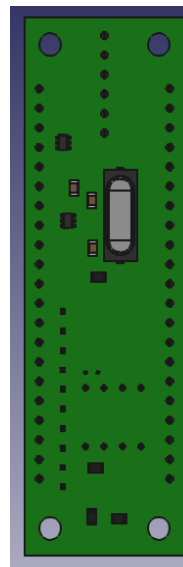
Bottom View



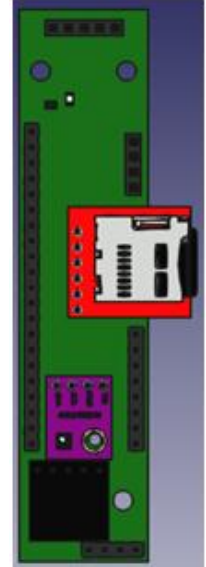
Battery



Top View



Bottom View



Top

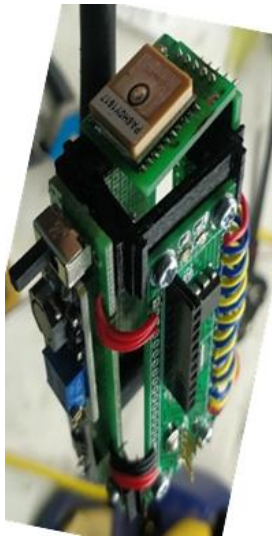
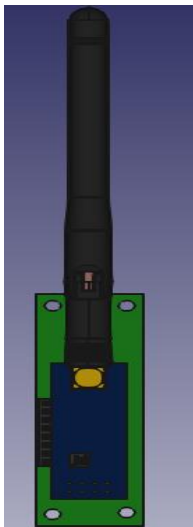
View

Battery Board

Micro Controller Board

Sensor Board

(Patents Filed)



3D Printed Compact CanSat (Vertical Stacking of Boards Around Battery) (Patents Filed)

International Conference on Innovative Research in Engineering and Management (ICIREM)

19-21 December 2019 at New Horizon College of Engineering (NHCE), Bangalore, INDIA Inaugural Session held on 19 December 2019



Portion of Gathering at International Conference on Innovative Research in Engineering and Management (ICIREM) 19-21 December 2019 at NHCE, Bangalore, INDIA

AICTE SPONSORED TWO WEEKS FDP ON ADVANCED MATERIALS & APPLICATIONS

30th Dec 2019 to 10th Jan 2020 Organized by Department of Mechanical Engg at New Horizon College of Engineering, Bengaluru

Inauguration of the AICTE sponsored FDP on Advanced Materials and Applications commenced with watering of the plant by Dr. E S Dwarakadas (Ex - IISc Professor, Bangalore). Four decades of experience in the field of material sciences and emphasized importance of advancement in materials for various applications was shared with more than 40 participants from Karnataka, Tamil Nadu and Andhra Pradesh in this FDP.

The session was delivered by Prof. P K Panda, Chief Scientist & Head, Materials Science Division, CSIR-NAL, Bangalore. The Session was very interactive and information about piezoelectric materials was shared by Prof. Panda. Afternoon Session was about polymer Nanocomposites from Dr.Narasimhamoorthy, HoD, RVCE, Bangalore. The day one was concluded with an informative session on Non-destructive testing - NDT for Advanced Manufacturing from Mr.T.Ravi Kumar, CEO, Trinity NDT Engineers, Bangalore



Glimpses of FDP Photos on Advanced Materials & Applications

ASSOCIATION INAUGURAL FUNCTION

11th July 2019 at SNS COLLEGE OF ENGINEERING Kurumbapalayam (Po), Coimbatore – 641 107

Mechanical Engineering Department's Association Inaugural for the year 2019-2020, Indian Institute of Production Engineers and Society of Automotive Engineers Chapter Inception were organized on 11.07.2019 at 03.00 PM in SH-F101. Mr.R.Sangeeth Kumar, HR- Manger, M/s Eurocast Engineering, Coimbatore is the Chief Guest. The function started with the gracious presence of almighty by Tamil Thai Vazhthu which was followed by lighting the traditional Kuthuvizhaku by the Chief Guest and other dignitaries.

Mr.R.Sangeeth Kumar, HR- Manger, M/s Eurocast Engineering addressed about the expectations of Industries from Fresher's. The session began with sharing of his experiences in various industries as HR Manager and requirement process of students. He encouraged the students by quoting that every person has the potential to become a successful engineer by sincere and hard work. He enlightened the students with the attributes that industries seek in a candidate. During his talk he also emphasized on the importance of being ethical, focused and determined to achieve any goal in life.



Lightning the Lamp



Mr.R.Sangeeth Kumar Addressing the gathering



Honoring the Guest with Memento



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Guest Editors

Prof. Dr. Jens Bo Holm-Nielsen, Dr. Padmanaban Sanjeevikumar

Deadline

01 August 2020

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Special Issue
Invitation to submit

IMTEX FORMING 2020

International Forming Technology Exhibition

Indian Machine Tool Manufacturers' Association (IMTMA) has organized its flagship IMTEX FORMING 2020 at the Bangalore International Exhibition Centre (BIEC) from 23rd to 28th January 2020 in Bengaluru. IMTMA is the apex body and single point of contact for machine tool industry in India. IMTMA plays a crucial role in the growth and development of metalworking industry in the country.

IMTEX FORMING 2020 has been a significant exhibition for South East Asia with the presence of leading national and international manufacturing firms from the metal forming sector. IMTEX FORMING 2020 was greatly expanded fair which has featured all aspects of forming technologies, predominantly sheet metal forming. This exclusive business-to-business event has attracted Indian and foreign exhibitors who would offer a range of technologically innovative manufacturing and engineering products and applications. Tooltech 2020, a concurrent event of dies & moulds, forming tools, machine tool accessories, metrology and CAD/CAM was held simultaneously.

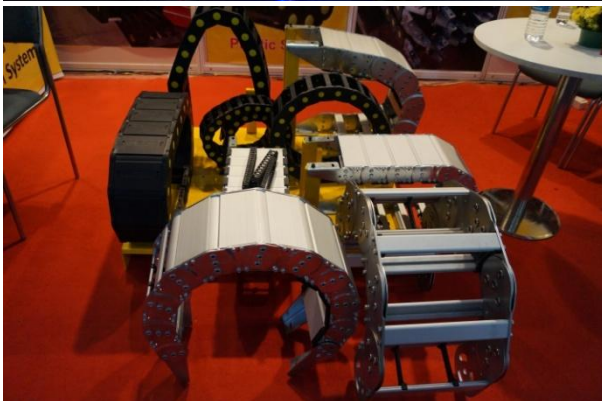
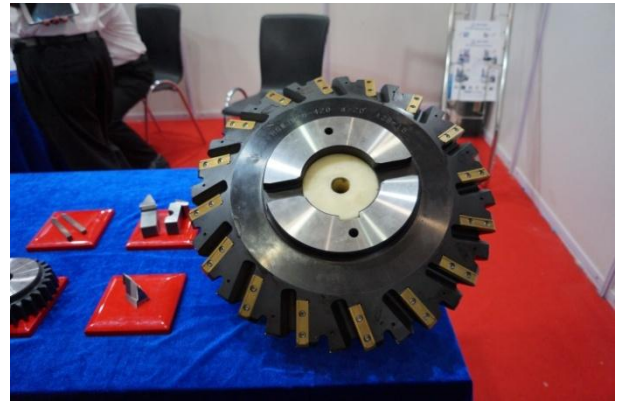
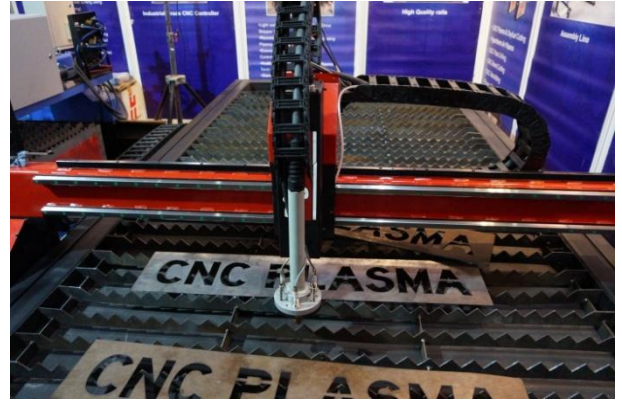
The students (around 120 no's) from VI SEM A, B & C Sections of Mechanical Engineering, New Horizon College of Engineering, Bangalore have been taken to visit IMTEX FORMING 2020 on 26th Jan 2020. IMTMA also provided an opportunity for Indian Academic / R&D Institutions to show case their R&D capabilities in Metal working field. Forming technologies, predominantly sheet metal forming with technologically innovative manufacturing and engineering products and applications were more informative to understand new development for the students.

During the visit, Students interacted with different exhibitors and discussed about latest technologies in metal Forming. This visit was an awareness programme for imparting knowledge on ever changing machine tool industry for young engineers. Students from mechanical engineering stream understood the importance of machine tool industry growth of country.

Students have witnessed the participation of various Manufacturing Industries from 23 countries including India at IMTEX FORMING 2020. This exhibition really helps the students in building up the self-confidence and to become an entrepreneur.



Glimpses of IMTEX FORMING-2020 Visit



IPE- TAMILNADU CHAPTER CELEBRATED THE NATIONAL PRODUCTIVITY DAY

IPE- Tamilnadu Chapter Celebrated the National Productivity Day on 8th February, 2020 with the Launching of a Website and Releasing of a Newsletter exclusively for the Chapter. Glimpses of the Event:



DESIGN COMPETITION

8th February 2020 at New Horizon College of Engineering, Bengaluru

SAP Next-Gen club from Department of Mechanical Engineering has conducted a chassis design competition for the Malaysian Shell eco-marathon. The competition was held in SAP Lab on Saturday, 8th February from 11:10am-2:00pm. Students of mechanical and automobile department were given opportunity to contribute their ideas and design a chassis based on the given criteria of dimensions. The best designer would be awarded with a certificate and the design will be used for the next Shell Eco-marathon Asia held in Malaysia.


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Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
 Accredited by NAAC with 'A' Grade
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 Wing Road, Bellur Post, New Marathahalli, Bangalore-560 083, INDIA


DEPARTMENT OF MECHANICAL ENGINEERING PRESENTS

DESIGN COMPETITION

Design of car chassis for the Malaysian Shell eco-marathon

FEBRUARY 8TH
BETWEEN 11:10 TO 2:00 PM

VENUE: IIOT LAB
(WITH ANY DESIRED SOFTWARE)

WITHIN THE GIVEN DIMENSIONS
 MAX LENGTH 3000mm
 MAX HEIGHT 750mm
 MAX TRACK WIDTH 1000mm

CONTACT: AKASH - 8050564988
SUDARSHAN - 9035959371
SYED - 7899613638





Glimpses of Design Competition Banner & Photos



IIFE Chapters interested in Launching Their Own Satellites or to establish the UNISEC India Chapter at Their Institutions can contact: Dr. K. Gopalakrishnan, National Secretary, IIFE at profgoki@yahoo.com or M: 98451 73730

India- Israel Partnership

- Innovation, Robust Technology Base, Disruptive Technologies
- Academic Research to Products and Solutions
- Approach to Outreach Educational Programmes – Industry & Institute
- Mastered in Space Technology
- Strong in Communication, Observation Science and Education International Co-operation, Bilateral Agreements with India including Student
- Exchange Programmes and Joint Projects
- Funds - Grants, Soft Loans etc

How Institutions Can Engage

- Build Strong "Space Technology" Competencies
- Hands on Development Experience- Students and Faculty Members
- More Industry Interaction (Real Time)
- State-of-the-art Technology Interventions
- Create New Job, Start-ups and Incubation facilities
- Nurture Future Space Engineers/Scientists
- Technology Demonstration - S&T Research
- Support Education Outreach
- Make Students Future Career Ready

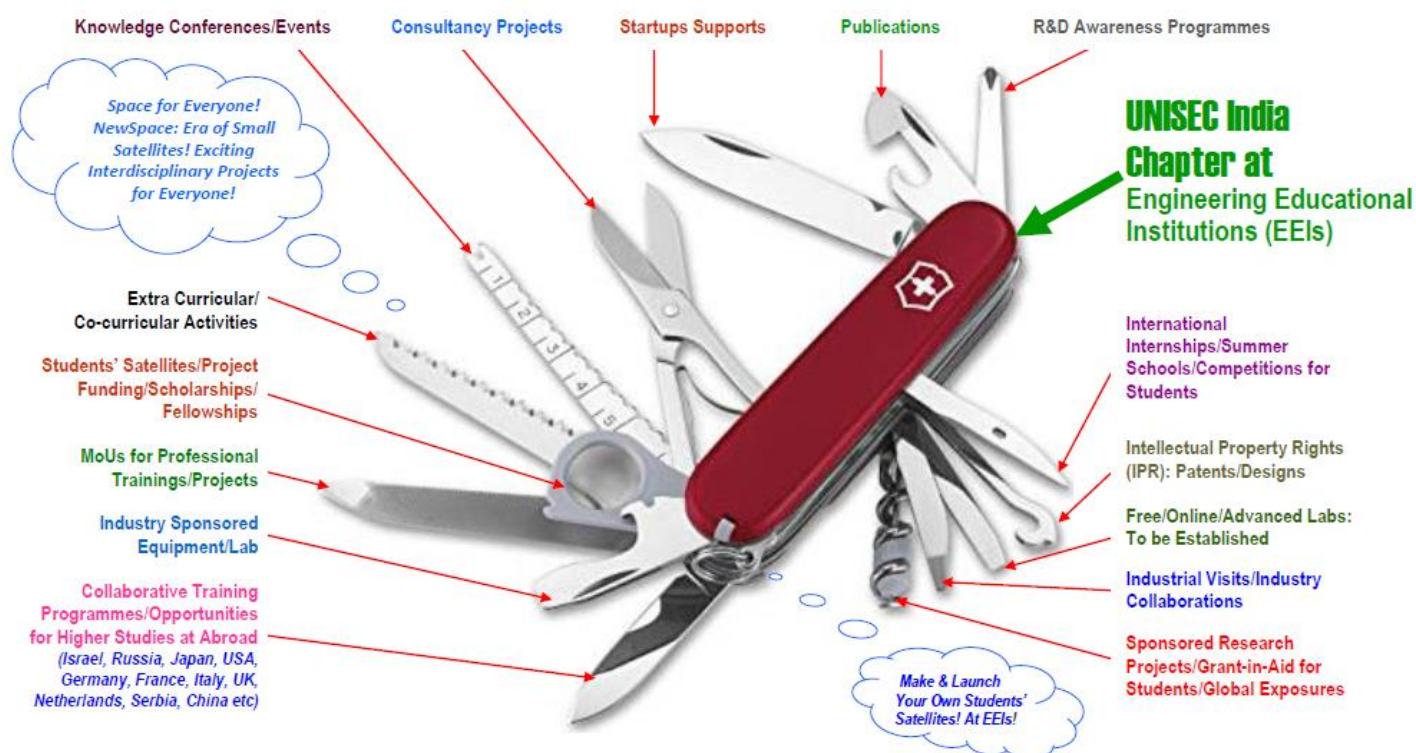
UNISEC India: Secretariat @ 4th Floor, #3, First Main, BDA Layout, Kodihalli, HAL 2nd Stage, Bengaluru – 560008, Karnataka, India; **Contact Info:** +91 80 6559 2501, +91 80 4850 8380; Website: www.unisec-india.in

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