

Monitoring Plan for Innovation Hub

Mandatory inputs for the month of: May 2023

1. Name of the Unit/**Sc. Centre:** Arunachal Pradesh Science Centre
2. Date of inauguration of innovation hub: 8December 2018
3. Area of the innovation hub: 2500 sq
4. List of activities undertaken:

A. One Day Awareness Workshop:

On May 4th, an Intellectual Property Rights (IPR) awareness program was organized within the premises of Dera Natung Govt College to disseminate knowledge and understanding regarding the significance and implications of intellectual property rights. The program aimed to equip the attendees, consisting of students, faculty, and staff members, with essential insights into various aspects of intellectual property, such as copyrights, trademarks, patents, and trade secrets. Expert speakers, including legal professionals and industry representatives, delivered engaging presentations, sharing real-world examples and case studies to illustrate the importance of protecting and respecting intellectual property. The program also facilitated interactive sessions, allowing participants to raise questions, engage in discussions, and explore potential career opportunities in the field of intellectual property law. Through this initiative, the organizers sought to foster a culture of creativity, innovation, and responsible utilization of intellectual property, promoting a heightened awareness among the attendees, and inspiring them to become advocates for the protection and enforcement of intellectual property rights in their future endeavors. Participants:55



B. One day workshop program on Idea, Innovation & Robotics for Female:

On May 16th, 2023, an event was organized for brightest young girls who had excelled academically in their respective districts in classes 6, 7, 8, and 9 were brought together for a unique experience. The event aimed to introduce these talented girls to the fascinating realms of Idea, Innovation, and basic Robotics through the medium of Lego EV3. The program sought to empower these young minds, encouraging them to explore their creativity, critical thinking, and problem-solving skills. The girls were introduced to the Lego EV3 robotics platform, an educational tool that enables them to build and program robots using intuitive software and adaptable building blocks. Under the guidance of experienced mentors, the girls embarked on a journey of discovery, engaging in hands-on activities, collaborating in teams, and unleashing their imaginations to design and program their robots. This immersive experience allowed them to gain insights into the world of robotics, fostering an appreciation for STEM (Science, Technology, Engineering, and Mathematics) fields and equipping them with skills that are highly relevant in today's technological landscape. The program aimed to inspire and empower these talented girls, showcasing the endless possibilities that lie within the realm of innovation and robotics, and nurturing their potential to become future leaders and change-makers in the field. Participants: 62



C. One day workshop program on Idea, Innovation & Robotics for Male:

On May 17th, 2023, accomplished male students who had achieved top positions in their respective districts in classes 6, 7, 8, and 9 were assembled for an inspiring experience. The program aimed to introduce these talented boys to the captivating domains of Idea, Innovation, and basic Robotics, utilizing the innovative Lego EV3 platform. The event was designed to empower these young minds by nurturing their creativity, critical thinking, and problem-solving abilities. Guided by experienced mentors, the students embarked on an exciting journey of discovery, engaging in hands-on activities, collaborative teamwork, and unleashing their imaginations to design and program their very own robots. Through interactive sessions, the boys gained practical knowledge and insights into the world of robotics, deepening their understanding of STEM (Science, Technology, Engineering, and Mathematics) fields, and equipping them with invaluable skills for the future. By showcasing the limitless possibilities inherent in innovation and robotics, the program aimed to inspire these students and fuel their passion to become future leaders and catalysts for positive change in the field. Participants: 15



D. 23 May 2023 to 28 May 2023: Science Workshop

A captivating six-day science workshop was meticulously organized, offering students a diverse range of engaging activities and educational experiences. The workshop began with an introduction to Arduino, a versatile open-source microcontroller platform, where students delved into the fundamentals of programming and learned to harness the power of this innovative technology. Additionally, the participants were immersed in the fascinating world of LED bulbs, where they gained hands-on experience in making and assembling these energy-efficient lighting solutions while exploring their numerous advantages. The workshop also featured an intriguing session on grafting, a horticultural technique that fascinated students as they learned the art of combining different plant varieties to create unique hybrids. Moreover, a blood group detection activity provided an exciting opportunity for students to explore the principles of genetics and biology, gaining practical skills in determining blood types. The workshop provided an immersive and interactive learning environment, fostering creativity, critical thinking, and problem-solving abilities among the students, as they gained a deeper appreciation for the wonders of science and technology. participants:11



E. Online Investment Pitch:

On May 28th, 2023, an eagerly anticipated online webinar was meticulously organized by the promising startup, Alien Version. Founded by the enterprising young innovator and member of the innovation hub, Mr. Ha Tade, the webinar served as a platform for an online investment pitch and exposure meet, centering around their groundbreaking product called FUELV (Fuel Validator). FUELV is a remarkable, patented, and intelligent fuel cap specifically designed for both light and heavy motor vehicles operating on fossil fuels like petrol and diesel. This innovative device acts as an intermediary point in the existing fuel flow system, accurately recording the amount of fuel injected after every refueling cycle and promptly displaying this data to the user through its intuitive display. Furthermore, FUELV incorporates advanced software that diligently records the same data, effectively deterring fuel frauds or scams perpetrated by drivers. By capturing instances of fuel amounts along with their respective date and time, the device securely stores this valuable information in a cloud database. The exceptional potential of FUELV captured the interest of investors during the webinar, prompting the esteemed Arunachal Pradesh Investment Park (APIP) to invite them for a personal visit the following day. This invitation signified the growing enthusiasm surrounding FUELV and opened avenues for potential partnerships and investments, paving the way for a promising future for Alien Version and its remarkable product. Participants: 22



F. Mission Life (Lifestyle for Environment):

On May 28, 2023, a significant awareness program took place in collaboration with the Botanical Survey of India, within the premises of the Science Centre. The program centered around the Mission Lifestyle for Environment (LiFE), which acknowledges the inherent sustainability of Indian culture and living traditions. The event highlighted the paramount importance of conserving our precious natural resources and fostering a harmonious relationship with nature, principles deeply rooted in our ancient scriptures. Recognizing the urgency of the current environmental challenges, the program aimed to tap into the wisdom contained in these ancient texts and disseminate the message to a wide audience. Mission LiFE strived to unite the efforts of individuals and communities, transforming them into a global mass movement for positive behavioral change. During the program, participants took an oath, symbolizing their commitment to embrace sustainable practices, increase awareness about environmental-friendly habits, and serve as exemplars of how an environmentally conscious lifestyle can bring people and the planet together. This collective oath represented a collective pledge towards a sustainable future, emphasizing the significance of individual actions in creating a positive impact on the environment. Participants: 25



G. Mission Life (Lifestyle for Environment):

On 30th May 2023 Arunachal Pradesh Science Centre, in collaboration with the Department of Environment and Forest. The program, aligned with the theme of Mission LiFE (Lifestyle for Environment), aimed to inspire individuals to embrace sustainable practices and contribute to the protection of the environment. Participants enthusiastically took a pledge to safeguard the environment and committed themselves to raise awareness about eco-friendly habits. They vowed to serve as shining examples of how an environmentally conscious lifestyle can harmoniously unite people and the planet. This initiative by Arunachal Pradesh Science Centre and the Department of Environment and Forest showcased their dedication towards fostering a collective sense of responsibility and creating a positive impact on the environment. Through education, awareness, and individual actions, the program aimed to inspire a sustainable transformation in communities, encouraging the adoption of eco-friendly practices that can contribute to a healthier and more sustainable future for all. Participants: 35



5. No. of creative projects undertaken along with the list:
6. No. of best nominated projects along with the list:
7. No. of students participated: 168
8. Name of the school groups participated:
 - a. JAWAHAR NAVODAYA VIDYALAYA MEGDONG
 - b. VKV NIRJULI
 - c. GREEN MOUNT
 - d. VIVEKANANDA KENDRIYA VIDYALAYA, VIVEK VIHAR
 - e. JNK PUBLIC SCHOOL
 - f. GHSS ARUNODAYA, ITANAGAR
 - g. GOVT.HIGHER SECONDARY SCHOOL MODEL VILLAGE NAHARLAGUN
 - h. GHSS POLO COLONY
 - i. JNV ROING
9. Whether formation of a local advisory committee comprising of members from different segments of the society is completed?
(If yes, please enclose the list of members of the committee)
10. Whether network with communities has been set up?
(If yes, please give the details)
11. Whether the information about your innovation hub has been included in the website of your Centre/institution?

<http://ardst.arunachal.gov.in/innovation-hub/>
12. List out the challenging ideas received from idea box:
- 13.No. of family innovation contests organized with dates:
- 14.No. of parent child joint innovation projects organized along with the list:
- 15.No. of community innovation fairs organized (dates, duration, and list of activities):

- 16.No. of innovative design contests organized:
- 17.No. of short orientation camps for Civil servants and public administrators organized (dates & duration and list of activities):
- 18.No. of educational and research institutions, Science Clubs, NGOs, Corporate Bodies associated with the innovation hub:
- 19.A brief description on action taken for publicity and sponsorships for innovation hubs:
- 20.No. of innovative products developed for copyright/patent along with the list:
- 21.No. of Individual Members in the Innovation Hub: 78
- 22.No. of Institutional Members in the Innovation Hub: 03
- 23.No. of students/teachers/parents/invited public who were exposed to the Innovation Hub during the month: 1498