

# Monthly Report for Innovation Hub

## Mandatory inputs for the month of: April 2025

1. Name of the **Unit/Sc. Centre**: Arunachal Pradesh Science Centre
2. Date of inauguration of innovation hub: 8 December 2018
3. Area of the innovation hub: 2500 sq
4. No of Individual Members in the Innovation hub: 82
5. No of Institutional Members in the innovation Hub: 06
6. No. of new Individual Members added during the month:
7. No. of New Institutional Members added during the month:
8. No. of students/teachers/parents/invited public who were exposed to the Innovation Hub during the month (Please give total no.): 4704
9. List of activities undertaken:  
(If required, a separate sheet may be attached)

S. No.	List of Activities	No. of Students Participated	No. of School Groups Participated	Remarks
1.	Summer Science Camp(Junior) a. 1 April: Micro/Green gardening b. 2 <sup>nd</sup> April: Astronomy c. 3 <sup>rd</sup> April: Pebble Art/Nature Painting d. 4 <sup>th</sup> April 2025: Microcontroller e. 5 <sup>th</sup> April: Science Activities f. 6 <sup>th</sup> April: Outdoor Adventure g. 8 <sup>th</sup> April: Magic Show & Popoup Card h. 9 <sup>th</sup> April: Treasure Hunt	44	35	<b>Summer Science Camp (Junior) from April 1st to April 9th, 2025:</b> 1. <b>Micro/Green Gardening</b> – Campers learned about sustainable gardening, soil health, and plant growth. They experimented with different planting techniques, understood the role of microorganisms in soil fertility, and even grew their own small plants, fostering an appreciation for environmental conservation. 2. <b>Astronomy</b> – A fascinating journey into space where participants explored planets, stars, and celestial bodies. They engaged in fun activities such as star mapping, understanding the phases of the moon, and learning about astronomical instruments. Simulated sky observation sessions helped them visualize cosmic wonders. 3. <b>Pebble Art/Nature Painting</b> – Young artists unleashed their creativity by transforming

				<p>simple stones into vibrant pieces of art. They learned different painting techniques, explored natural color palettes, and experimented with eco-friendly materials, creating nature-inspired masterpieces while developing fine motor skills.</p> <p>4. <b>Microcontroller</b> – An introduction to the world of electronics and coding, where campers assembled simple circuits, programmed microcontrollers, and built basic electronic projects. They explored concepts like automation, sensor integration, and interactive computing to understand the science behind everyday technology.</p> <p>5. <b>Science Activities (Physics, Chemistry, Biology)</b> – Hands-on experiments brought science to life. Campers investigated chemical reactions, explored physical phenomena such as magnetism and optics, and conducted biology experiments like observing microscopic organisms and studying plant anatomy. Each activity reinforced core scientific principles in an engaging way.</p> <p>6. <b>Outdoor Adventure</b> – A thrilling experience designed to develop teamwork, resilience, and exploration skills. Campers participated in activities such as nature hikes, obstacle courses, survival challenges, and environmental studies, fostering a connection with nature while developing leadership and problem-solving abilities.</p> <p>7. <b>Magic Show</b> – A mesmerizing display of illusions and tricks based on scientific principles. Participants learned the science behind magic, such as optics and chemistry, and even tried their hand at performing some magic tricks themselves, making learning fun and interactive.</p> <p>8. <b>Popup Card Making</b> – A creative workshop where campers designed unique pop-up cards</p>
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				<p>using intricate folding techniques, color combinations, and artistic decorations. They explored geometry in design and applied craft skills to create visually appealing cards with moving elements.</p> <p>9. <b>Treasure Hunt</b> – An adventurous and intellectually stimulating activity that tested problem-solving and teamwork. Participants followed a series of clues, deciphered puzzles, and navigated challenges to uncover hidden treasures, fostering logical thinking, creativity, and collaboration.</p>
2.	<p>Summer Science Camp (Senior)</p> <p>a. 15th April: Ideation &amp; Recycle paper Making</p> <p>b. 16th April:</p> <p>Astronomy</p> <p>-Sun dial</p> <p>-Telescope</p> <p>-Star gazing</p> <p>c. 17th April:</p> <p>- Pop-up card making</p> <p>- Virtual Reality Experience (Both side by side)</p> <p>d. 19th April:</p> <p>Fun Science Activity</p> <p>-Rocketry (Kitchen chemistry)</p> <p>-Nutrient Test</p> <p>e. 20th April:</p> <p>AI &amp; Robotics</p> <p>-Lego EV3</p> <p>-Microbit</p> <p>f. 21st April:</p> <p>Outdoor Adventure</p> <p>g. 22nd April:</p> <p>Skill Development</p> <p>-Bamboo Craft</p> <p>-Traditional weaving</p> <p>-DIY Flower Craft</p> <p>h. 23rd April:Treasure Hunt</p>	49	40	<p>The <b>Senior Summer Science Camp</b>, held from <b>April 15th to April 23rd, 2025</b>, provided an advanced and immersive learning experience, encouraging participants to explore science, creativity, and practical skill development. With a diverse range of activities, campers engaged in interactive sessions that combined innovation, experimentation, and adventure.</p> <p>1. <b>Ideation &amp; Recycled Paper Making</b> – A creative start where participants brainstormed ideas, learned the art of repurposing waste paper into new sheets, and understood sustainability practices.</p> <p>2. <b>Astronomy</b></p> <ul style="list-style-type: none"> <li>○ <b>Sun Dial</b> – Campers built and tested sun dials, learning how ancient civilizations measured time using the sun's movement.</li> <li>○ <b>Telescope</b> – A hands-on session introducing telescope mechanics and sky observation techniques.</li> <li>○ <b>Star Gazing</b> – A mesmerizing outdoor experience where campers explored constellations, planets, and celestial movements.</li> </ul> <p>3. <b>Pop-Up Card Making &amp; Virtual Reality Experience</b> – A dual activity where participants crafted intricate pop-up cards</p>

				<p>while also diving into the world of VR, experiencing immersive digital simulations side by side.</p> <p>4. <b>Fun Science Activity</b></p> <ul style="list-style-type: none"><li>○ <b>Rocketry (Kitchen Chemistry)</b> – A thrilling experiment where campers created mini rockets using household materials, demonstrating chemical reactions and propulsion.</li><li>○ <b>Nutrient Test</b> – A practical session analysing food samples to detect essential nutrients, linking chemistry with health and nutrition.</li></ul> <p>5. <b>AI &amp; Robotics</b></p> <ul style="list-style-type: none"><li>○ <b>Lego EV3</b> – Engaging in robotics engineering, participants built and programmed robots using Lego EV3 kits, exploring automation and AI concepts.</li><li>○ <b>Microbit</b> – A beginner-friendly coding session where campers experimented with Microbit devices to create interactive electronics projects.</li></ul> <p>6. <b>Outdoor Adventure</b> – Action-packed exploration activities, including nature trails, survival challenges, and teamwork-based problem-solving exercises.</p> <p>7. <b>Skill Development</b></p> <ul style="list-style-type: none"><li>○ <b>Bamboo Craft</b> – Learning traditional craftsmanship techniques to create functional and decorative bamboo items.</li><li>○ <b>Traditional Weaving</b> – A cultural experience introducing weaving methods, allowing campers to create their own woven products.</li><li>○ <b>DIY Flower Craft</b> – A hands-on artistic workshop where</li></ul>
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				<p>participants crafted beautiful floral decorations using sustainable materials.</p> <p>8. <b>Treasure Hunt</b> – A thrilling conclusion to the camp, where participants followed clues, solved puzzles, and uncovered hidden treasures through teamwork and logical thinking.</p>
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10. No. of creative projects undertaken along with the list:

11. Whether the information about your innovation hub has been included in the website of your Centre/institution?

<https://apscst.org/innovation-hub/>

12. List out the challenging ideas received from idea box:

13. No. of innovation festivals/fairs organized (dates, duration, and list of activities):

14. No. of collaborative programme with outside Educational & Research Institutions, Science Clubs, NGOs, Corporate Bodies associated with the innovation hub: 01

15. No. of innovative products developed for copyright/patent along with the list:

  
01/05/2025

**Signature of PC/DSO/Innovation Hub Coordinator with date**