**Er. Hari Ram Shrestha**

Hari Ram Shrestha is a dedicated Nepalese space systems engineer and researcher with extensive experience in satellite development and space technology. He is a Ph.D. candidate in electrical and space engineering at Kyushu Institute of Technology (Kyutech) and has contributed significantly to Nepal's space exploration efforts. He has worked on several satellite missions, primarily designing and developing the mission design developement,energy systems and operation. Shrestha is currently the head of the space research center at the Nepal Academy of Science and Technology (NAST), where he works space science and technology initiatives. He has also worked on renewable energy projects and set up GPS/GNSS stations in Nepal to aid geoscience and earthquake research.

The presentation is titled "Taking Nepal to Space: An Overview of NepaliSat-1 and My Journey in Space Exploration for the Young Generation."

**Educational Background**

* holds a master’s degree in applied science for Integrated Systems Engineering from the prestigious Kyushu Institute of Technology (Kyutech) in Japan
* Currently pursuing a Ph.D. in Space Systems Engineering at Kyutech via the Japanese Government (MEXT) Scholarship and the United Nations/Japan Long-term Fellowship Program (PNST).

**Vision & Goals:**

* **Establishing NAST’s Space Research Centre** as a **National Space Research Hub**
* **Advancing Nepal’s Space Technology** through research, outreach program,capacity buid up ,innovation, and international collaboration

**Awards & Recognition:**

* Co-Developer of Nepal’s First Satellite, NepaliSat-1: played a pivotal role in designing and developing the satellite’s electrical subsystems, marking Nepal’s entry into space exploration.
* The 'Kirtimaya Rashtradeep Fourth Class 2076' Medal was presented by Nepal's President in recognition of contributions to space technology.
* 2021 IAF Emerging Space Leader: The International Astronautical Federation (IAF) chose him for his leadership and contributions to space research.
* Emerging space Leaders Scholarship Emerging space Leaders Scholarship Issued by 20th SGC 2022, SGAC,Paris, Sep 2022
* PM National Talent Awards 2081

**Professional Roles**

* Currently Heads of Space Research Center at Nepal Academy of Science and Technology (NAST).
* Focuses on satellite subsystem development, Hybrid Rocket propoulsion, and capacity building for Nepalese space exploration.

**Research and Contributions**

* Focused on improving the reliability of nanosatellite power systems in order to ensure space sustainability.
* Contributed to various CubeSat projects, including BIRDS-3, BIRDS-4, and Kitsune, CURTIS, MO-1 satellites, working on subsystem design and ground station operations.
* Leads projects on GNSS-based vehicle tracking, disaster management, and environmental monitoring.

**Outreach and Education**

* Actively involved in training and mentoring students through CanSat programs and workshops, helping to develop a new generation of engineers and scientists in Nepal.
* Promotes space education and awareness through school outreach programs and international collaborations.

**Contact Information:**

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