

Guest Lecture by Alumni

A lecture and interaction with students were organized on 28.08.2018 as per the details given below:

Topics: 1. *Opportunities of Aerospace Engineering students in NASA Space Bound Programs*

2. *Possible avenues for students to collaborate or contribute towards different Space Competitions.*

3. *Requirement of Amity Space Centre*

Date: 28th Aug 2018 at

Place: Room No 301, Block A

Time: 1430 hrs - 1530 hrs

Speaker: Dr. Siddharth Pandey (Director, MARS Society Australia)

About the Speaker: Siddharth Pandey is a PhD researcher at University of New South Wales at Canberra, his work is on thermal design of future Mars rovers. As a Director of Mars Society Australia, Siddharth played the role of Project Coordinator for NASA Spaceward Bound India 2016, an international planetary science expedition with outreach objectives to the Himalayan region of Ladakh in India. Siddharth has prior research experience working at NASA Ames Research Center and holds MSc Aerospace Engineering from TU Delft Netherlands and BTech Aerospace Engineering from Amity 2006-2010.

Major points covered during the talk:

- 1) Programs and Societies available across the globe who deals with Space related events and Competitions.
- 2) Opportunities for Aerospace Engineers to work in different Space Programs
- 3) Recent expeditions of NASA towards Space explorations.
- 4) The emerging research fields/trends
- 5) Possible collaborations of students for future NASA Space bound Programs
- 6) Different ways to get into internships with NASA
- 7) Requirement of Amity Space Centre in Amity University Campus

Students of following batches attend the lecture:

20 students (B.Tech (AE) of Batch 2015-2019)

40 students (B.Tech (AE) of Batch 2016-2020)

3 students (B.Tech+M.Tech(AE) Intg.)

1 students (M.Tech (AE) of Batch 2018-20)

3 students (M.Tech (AE) of Batch 2017-19)

Following faculty members also attended the lecture:

1. Dr. Sanjay Singh
2. Gp Capt (Retd) Praveen Khanna
3. Prof Jai Kumar Jain
4. Dr. Basant Kumar Agarwal
5. Gp Capt (Retd) RC Garg
6. Dr Konark Arora
7. Md Saquib Reza
8. Ms. Ankur Vats
9. Mr. Jayanta Sinha
10. Prof. R. K. Chauhan
11. Dr. R. S. Tarnacha (Visiting Faculty, AIT)

Event Objectives: Create awareness among students regarding Space exploration based competitions, Internships and higher education. Awareness on different agencies present globally who funds and promote space related activities and the setting up Space Centre or Space Club at Amity University

Expected Outcomes:

- This lecture will motivate students to pursue higher studies in Space related fields.
- Provide information about latest research, development and technologies in the field of Space Science and Astrophysics and Astrobiology.
- Provide opportunities to faculty members and students to take up researches in the latest field of Aerospace and Space Technologies.
- Exposure to students as whom to contact and how to contact in case they have any brilliant ideas related to Mars colonization and explorations.

