

Event Name: Expert Talk on “Importance and opportunities of Research in the Defence Sector”

Date: 12th April 2017

Venue: Auditorium, B block, AUH

Organized By: ASET

Chief Co-ordinator: Maj. Gen. V.K.Narang (Retd.)

Faculty Coordinator(s): Dr. Vineet Jain and Ms. Rashi Koul Department of ME

Participation:

1. No. of Faculty Members: 50
 2. No. of Students: 250 (ASET, ASAS, AIB)
-

A talk on **“Importance and opportunities of Research in the Defence Sector”** was organized in AUH on 12 Apr 17 with an aim to motivate faculty and students to take up research and innovative projects in support of Defence Forces. This in turn would help establish connect between Academia, Industry and Defence Forces and make the Nation self-reliant in meeting the needs of Defence Forces in the long run. The talk was given by Mr Ravin Vyas, Director and Functional Head AVBODH Knowledge Foundation Ltd.

The visit commenced with an informal interaction in the VIP lounge where Mr. Ravin Vyas was apprised of the major research and innovative projects undertaken in the past and presently ongoing in the University in the areas of Engineering and Technology, Nano-Science, Biotechnology, Applied Sciences, Biomedical and Medical Sciences. A presentation was shared with Mr. Ravin Vyas about various Amity innovations. He showed keen interest in many projects like Gyroscopically Mounted Unmanned Aircraft, Amiron, Solar Hybrid Car and Bio-medical innovations and was very appreciative on the kind of quality research being undertaken at AUH.

He also had a separate discussion with Dean Student Welfare Maj Gen. G. S. Bal (Retd) on feasibility of revising the credits of Military Training subject which is currently being offered as a three credits elective.

Informal interaction was followed by a presentation by Mr. Ravin Vyas in the B Block, Auditorium. The talk was attended by selected HOIs, HODs and faculty members from various departments and students of science & engineering backgrounds.

Before the presentation was held, the Hon'ble Vice Chancellor Prof (Dr) P.B.Sharma welcomed and felicitated the guest and shared his views on the relevance of the subject and how the faculty and students can play an important role in serving the defence forces.

Mr. Ravin Vyas started his presentation with emphasis on the responsibility of citizens towards the Defence forces and to the country. He highlighted on the need for any Nation or State to be ready for war and be able to defend itself from aggression if the situation so demands.

He highlighted large number of research areas in which the defence forces have the requirements and students can take up projects. Some of the focus areas which he made a mention of were as under:-

1. Wound Healing Fabric
2. Modular Generators for High Altitude
3. Cold Climate Clothing
4. All Terrain Ground Vehicle
5. Unattended Surveillance Camera
6. Location Awareness System
7. Identification of Friend or Foe (IFF) system for Armoured Fighting Vehicle
8. Buoyancy Enhancers for Infantry Combat Vehicle
9. Solar Assisted Auxiliary Power Unit for Armoured Fighting Vehicle
10. Body Armour
11. Night Vision Device

There was a healthy interactive session with the enthusiastic and curious students after the presentation. A good number of students exchanged their ideas and asked questions related to defence projects.

After the presentation finished, an interactive session with the senior management of AUH, HOIs, HODs and selected faculty members was held in the Conference Hall, A-Block.

Prof. Dr. P.B.Sharma initially mentioned about the ongoing projects done by UG and PhD students. Each of the concerned faculty members elaborated on his/her specific project and gave views on the feasibility of utilising the same for the benefit of defence forces.

After the interactive session a group meeting with selected faculty members was organised in the conference room to work out the way ahead.

The follow is the outcome of the visit :

1. AUH to align its UG and PG projects to the thrust areas of DRDO, Mr Vyasprojected the current thrust areas during his presentation. HoIs of ASET, ASAP, AIB and AMS shall draw a list of the possible UG and PG projects of relevance to Defense technology needs. Mr Vyas shall facilitate collaboration / tie ups with DRDO and industries .
2. An elective/ minor track on Defence Technologies shall be evolved for AUH UG programs to familiarise the students about the current and future defence technologies .
3. Specific R&D projects shall be drawn by faculty in ASET , AIB and ASAS in line with the DRDO thrust areas .
4. Amity University, AUH may consider setting up of a unit in its Incubator on Defence Technologies and defence applications .
5. AUH shall set a "AUH Defence Technology Initiative Group " to foster research and innovations in the area of defence science and technologies .

Conclusion

Overall, it was an overwhelming experience where Mr. Ravin Vyas, faculty and students shared their insights and gave new perspectives which can lead to further sustainable action and fruitful interactions.



