



GOAL 17

# Partnerships for the Goals

**10**

Research Projects

**517**

Publications

**5**

Patents

# International Memberships National Science and Technology Park (NSTP)

NSTP strives to forge partnerships with like-minded institutions and organisations, that can serve the overall national interests of promoting Science, Technology and Innovation; training and grooming scientists, technologists and engineers to become drivers of change through innovative products and services; providing foreign markets to Pakistani innovators and entrepreneurs and opening doors to the Pakistani market for overseas innovators and entrepreneurs; facilitate joint ventures and partnerships between enterprises from different industries or countries; and more.

NSTP is a member and in strategic alliance with the following international organizations:

## International Association of Science Parks (IASP)

IASP is a worldwide network of Science & Technology Parks having 347 members from 77 countries. NSTP is the only full member of IASP from Pakistan.



**IASP**

International Association of Science Parks  
and Areas of Innovation

## Asian Science Park Association

ASPA is an international nongovernmental organization established in Japan in 1997 for the purpose of accomplishing the joint development in the fields of scientific technology, industry and economy in the Asian region.



Asian Science Park Association

## World Technopolis Association (WTA)

WTA is a multilateral international organisation created with the purpose to connect the advancement of science and technology with local development. NSTP is the only associate member of WTA from Pakistan.



## Inter-Islamic Network on Science & Technology Parks (INSTP)

INSTP is a platform for technological development among Muslim countries. NSTP is member for INSTP as well as the only Pakistani member of its Executive Council.



## International Business Incubator (IBI) Beijing, China

International Business Incubator (IBI) Beijing, China, also known as Zhongguancun Science and Technology Park. It is the most intensive scientific, education and talent resource base in China.



## iAccelerate, Wollongong, Australia

iAccelerate one of the leading and unique business accelerator and incubator programme run by the University of Wollongong (UOW)). It's a thriving community of like-minded entrepreneurs with vision, purpose and passion, offering a unique eco-system with exceptional education, mentoring and support.



# BRAIA Comes to Pakistan

NUST constituent school Research Centre for Modelling & Simulation (RCMS) hosted the first largest international, 3rd BRAIA Summer Camp in July 2019. BRAIA is The “Belt and Road” Aerospace Innovation Alliance (BRAIA), an international organization, formed by universities, research institutes, and academic organizations, in the aerospace field. It was initiated by Northwestern Polytechnical University, China and Chinese Society of Astronautics. The alliance was officially established in Xi’an, in April 2017. Currently, it comprises of 51 members including USA, UK, France, Spain, Belgium, Italy, Algeria, Egypt, Ukraine, Russia, China, Pakistan, Bangladesh, and Australia.

NUST is the founding member of BRAIA and part of General Council meeting. The decision making framework of BRAIA has been modelled on the United Nations, with a General Council and a smaller Standing Council. The standing council of 15 includes 6 non-Chinese members from among the 22 overseas members. Through active participation and contribution in various activities, NUST has been elected as a member of the standing council for 5 years. This brings a great feather in the cap of NUST under China-Pakistan Economic Corridor (CPEC) collaborative framework.



# NUST Collaborations with International Associations

NUST believes in establishing collaboration with international bodies for the capacity building, shaping future leadership, and preparing youth for the multi-dimensional global challenges. NUST has been collaborating with International Association for Exchange of Students for Technical Experience (IAESTE) foreign interns since 2013 as well as International Association of Students in Economic and Commercial Sciences (AIESEC) for students' exchange programmes.

So far NUST has hosted fourteen international students in these programmes and aims to increase the numbers in the future, focusing on in-take from under-represented countries.

Apart from students' exchange, NUST has been a member of Sustainable Solutions Development Network (SDSN), SDG Accord, United Nations Academic Impact (UNAI) and Association for Advancement of Sustainability in Higher Education (AASHE) which enable NUST to propagate its sustainability initiatives, establish collaboration, and share knowledge with the global key players.





# NUST Internship Programme for International Students (NIPIS)

In 2018, NUST launched its own international internship programme - NUST International Internship Programme (NIPIS) to further enhance its collaborative efforts in youth engagement and empowerment.

NUST's signature Internship Programme for International Students - NIPIS '19 - launched with a bang at



NUST Islamabad campus. Promising to deliver a high-quality internship experience to incoming students; interns belong to Austria, China, Egypt, France, Poland, Turkey and 20 other countries were provided an excellent platform for advancing their professional training and reinforcing academic learning through practical application. In total 51 foreign interns attended the programme, out of which 12 were from IAESTE (International Association for the Exchange of Students for Technical Experience), 24 from NIPIS, and 15 from AIESEC (Association for the International Exchange of Students in Economics & Commerce). The programme also included various industrial and recreational trips in and around Islamabad.





Year	2018	2019
No. of students	9	51
Nationalities	5	20





# NUST Community Service Club (NCSC)

**2018-19: Total 102,045 service hours**

NUST has encouraged and facilitated its students to participate in community service. Therefore, a highly dedicated and active club, NUST Community Service Club (NCSC), sponsored by the School of Mechanical and Manufacturing Engineering (SMME), was established in 2007 for the sole purpose of developing a sense of responsibility, compassion, and empathy towards the community amongst the students of NUST. From a humble beginning of 35 volunteers in 2007, the club has now grown to 1000 registered members every year, 1100 registered for community service courses and an extensive network of NCSC alumni.

It is headed by a council of students, yearly selected based on past community service contributions. The council makes a yearly calendar of activities, collaborates with community partners and non-government organizations (NGOs).

## IMechE UAS CHALLENGE 2019, UK

NUST team declared grand champions at the “IMECHE UAS CHALLENGE 2019” in Wales, UK Team NUST “Air Works Beta”, from Pakistan Navy Engineering College (PNEC), NUST, and Karachi won the IMechE UAS Challenge 2019 held in Wales, UK, and was declared the Grand Champions of the Challenge.





# NUST participation in International Competitions

NUST believes in show-casing its students' talent on various international platforms for establishment of effective partnerships in the fields of education and research, as well as for propagation of peace and harmony, the most important pillar of UN SDGs, through science diplomacy. NUST fully facilitates and sponsors various teams for participation in international competitions and lauds the accolades its faculty and students bring back home.

## Formula Student 2019, UK

NUST team of Pakistan Naval Engineering College participated in Formula Student 2019 Competition in the UK. NUST team clinched a top 10 spot in business plan presentation, ranked 40th in design and 49<sup>th</sup> in cost report, which over-all resulted in a position of 40th out of 81 global teams.



# NUST partners with AIESEC

## Youth speak forum

NUST Placement Office, in collaboration with the International Association of Students in Economic and Commercial Sciences (AIESEC)-Islamabad Chapter, organised a Youth Speak Forum in Oct 2018. The forum was arranged with a view to raising awareness among youth regarding the UN Sustainable Development Goals (SDGs). German Ambassador to Pakistan, Mr Martin Kobler was the keynote speaker at the event, who talked at length about the impacts of climate change and the need for tapping the renewable sources of energy. He cited the example of Germany where 38% of industries and 90% domestic consumption is on renewable energy. In contrast, Pakistan has only 1600MW generation through renewable resources. He emphasized upon youth to engage themselves in producing energy-efficient products within Pakistan and have confidence in their own capabilities instead of relying on others. He also emphasized greater investment in education, Research and Development for the country's advancement.



# Global Exchange Conference

AIESEC NUST Chapter, in collaboration with the NUST Placement Office (NPO), organised the "Global Exchange Conference 19" at NUST on September 14, 2019. The conference centred around the cross-cultural exchange. It hosted more than 800 students from NUST and other universities of Islamabad, as well as industry representatives. GEC19 focused on the subject of embracing diversity, and also raised awareness about the United Nations Sustainable Development Goals (SDGs). Additionally, the conference addressed prevalent social issues like gender equality, inter-faith harmony and social acceptance. The honourable speakers included Mr. Faisal Javaid Khan (Senator), Ms. Masarrat Misbah (philanthropist, business tycoon and cosmetologist), Mr. Usman Khilji (social activist), Mr. Patrick Sohail (Christian community pro activist), Ms. Ayesha Mughal (Pakistan's first transgender lecturer), Mr. Muzamil Hasan Zaidi (Digital marketer and influencer) and Ms. Hareem Farooq (TV and film artist).

