

DISTINGUISHED INNOVATIONS COLLABORATION & ENTREPRENEURSHIP



2018-19

PROSPERITY THROUGH INNOVATION, ENTREPRENEURSHIP
AND INDIGENOUS PRODUCTS





THANK YOU!

TO THOUSANDS OF VOLUNTEERS,
SUPPORTERS, CONTRIBUTORS,
ACADEMIA, INDUSTRY, AND
GOVERNMENT INSTITUTIONS IN PAKISTAN
AND EXPATRIATES IN NORTH AMERICA
AND EUROPE FOR SUPPORTING DICE
MISSION FOR LAST 12 YEARS!



CONTENTS

| | |
|---|----|
| DICE NETWORK | 01 |
| MESSAGE FROM DICE CHAIRMAN | 03 |
| MESSAGE FROM DICE PRESIDENT | 04 |
| TESTIMONIALS | 05 |
| DICE LEADERSHIP | 07 |
| DICE FOUNDING MEMBERS | 09 |
| DICE VISION - DICE FRAMEWORK & KEY INITIATIVES | 10 |
| DICE TIMELINE | 11 |
| STRATEGIC & ACADEMIC PARTNERS | 13 |
| INDUSTRY & GOVERNMENT INSTITUTION PARTNERS | 14 |
| DICE PROGRAM INITIATIVES | 15 |
| ALL PAKISTAN DICE MEGA INNOVATION & ENTREPRENEURSHIP EVENTS | 16 |
| DICE AUTOMOTIVE | 21 |
| DICE TEXTILE | 23 |
| DICE ENERGY & WATER | 25 |
| DICE HEALTH | 27 |
| DICE CREATIVE ART & MEDIA | 29 |
| DICE AGRICULTURE & FOOD SCIENCES | 31 |
| DICE INFORMATION & ENABLING TECHNOLOGY | 33 |
| DICE YOUTH | 35 |
| DICE INSTITUTION-LEVEL INNOVATION PLATFORM | 37 |
| DICE MICHIGAN ANNUAL EVENT 2017 | 39 |
| DICE SHARKS FRAMEWORK | 40 |

DICE NETWORK

PESHAWAR
UET PESHAWAR

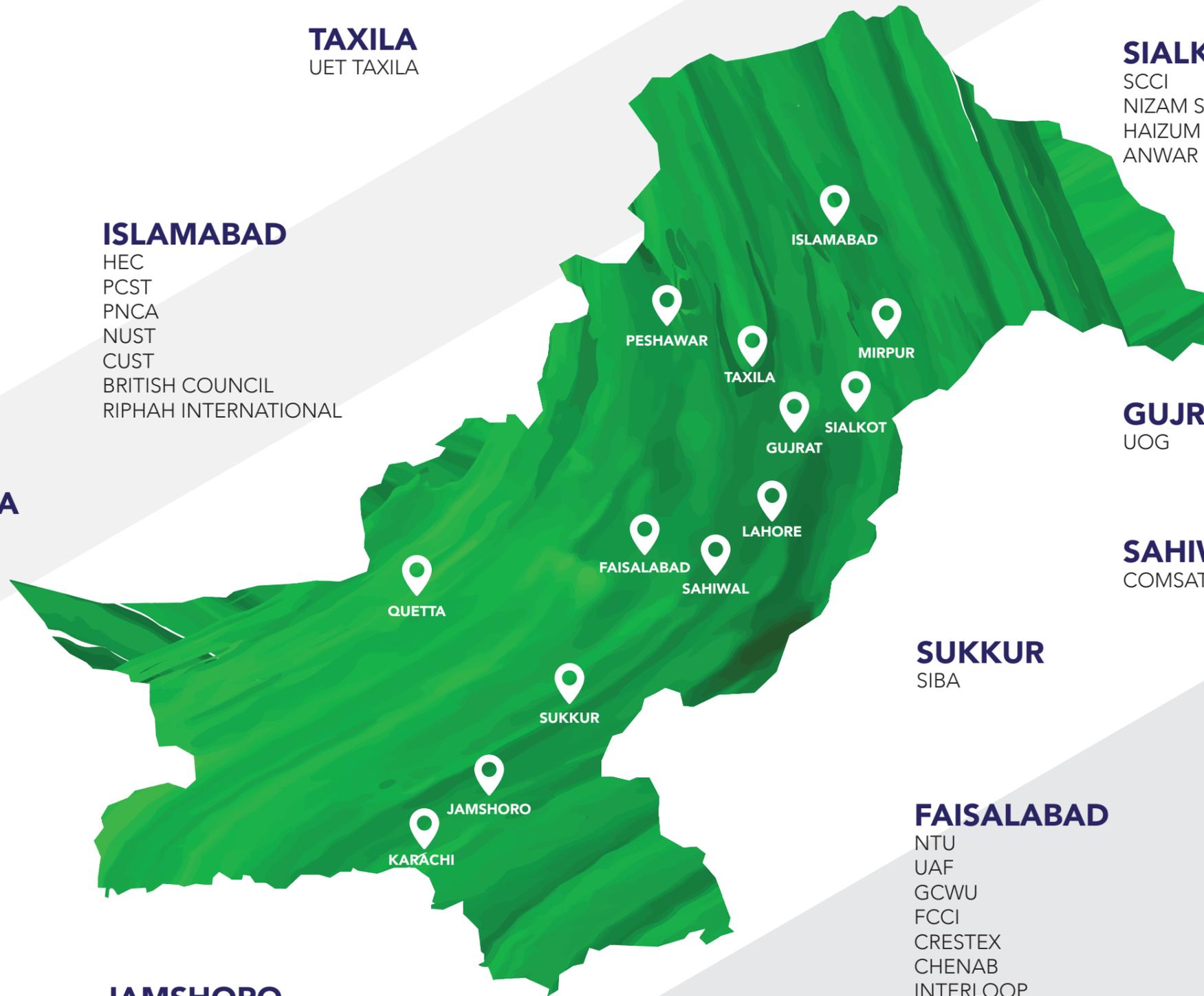
KARACHI
NEDUET
DUHS
SMIU
DSU
UIT
DAWOOD UET
IQRA UNIVERSITY
FPCCI
HUM TV
PAAPAM
ITEXTILE
THAL ENGINEERING
AI ENGINEERS
GREESHAM'S
ABBOTT
INDUS MOTORS
SHIRANI ENGINEERING
RUBATECH
PAKOASIS
LAKSON GROUP

QUETTA
BUIEMS

ISLAMABAD
HEC
PCST
PNCA
NUST
CUST
BRITISH COUNCIL
RIPHAH INTERNATIONAL

JAMSHORO
MEHRAN UET

TAXILA
UET TAXILA



MIRPUR
MUST

SIALKOT
SCCI
NIZAM SONS
HAIZUM HI TECH
ANWAR KHAWAJA INDUSTRIES

GUJRAT
UOG

SAHIWAL
COMSAT- SAHIWAL

SUKKUR
SIBA

FAISALABAD
NTU
UAF
GCWU
FCCI
CRESTEX
CHENAB
INTERLOOP
ARSHAD GROUP
ARCHROMA
KEY & EMMS
SHAN ASSOCIATES
FATIMA FASHION'S

LAHORE
UET
UMT
NCA
LGU
COMSATS
KINNAIRD
LUMS
SMEDA
SAPPHIRE
BLUE EAST
SUPERNET
BIFRINGENCE



Welcome to DICE Foundation! Before I proceed, I would like to make a request – Please read the following sentence and then close your eyes and repeat it **“I want to see Pakistan as one of the most socially, technologically and economically advanced and prosperous nations of the world in My Lifetime!”**.

Does it seem like an insurmountable task, sure it does - but is it possible? Yes, definitely it is possible since many nations around the world have done it in a matter of one to two generations using Innovation as a tool to generate wealth for their countries – we can use the same tool of Innovation to bring prosperity to our country. What I see missing in Pakistan is lack of structured and strategic approach to promote innovation culture in the country and scale of the problem is so big that government alone can't fix it. Everyone in the society needs to pitch in and play their role. I always believed that expatriates around the world and privileged and successful members of the Pakistani society within Pakistan, working together can act as a catalyst in transforming Pakistan.

With that in mind, in order to provide structured and strategic framework to promote innovations and entrepreneurship we started DICE program in Pakistan in 2007. DICE Foundation is a volunteer based organization run jointly by expatriates and thought leaders within Pakistan. We have been promoting innovation process at university level and more recently at high school level, with the support of Higher Education Commission, Pakistan Council for Science & Technology, British Council, academia leadership, industry thought leaders and many other government and private institutions and passionate individuals within and outside the country. One of the main value systems we set for ourselves is that we will always concentrate on part of the glass which is full and won't spend our energy in criticizing the empty portion of the glass. We decided to build on positives which each sector has to offer. Over course of 11+ years DICE Foundation has established innovation platforms in the major strategic areas of our economy such as energy & water, automotive, health, textile, agriculture, information technologies, and creative art & media. Through these platforms academia, industry, government and expatriates from USA, UK, and from other parts of the world have been working in unison to promote innovation culture through annual innovation events, providing support for the commercialization of innovations, building capacity, providing access to Pakistani businesses abroad through extensive expatriate network and also as a think tank to help government of Pakistan in policy making.

We have also started initiatives such as 'DICE Sharks' to generate funds from businessmen to support innovations coming out of academia. As part of our think tank role, we have launched an initiative to establish National Innovation Basket (NIB), consisting of projects from all major sectors of the economy. We are proposing to make NIB as part of our national agenda, regardless of which political party is in government. NIB will provide roadmap for our progress towards our ultimate goal of becoming a prosperous nation through innovation and indigenous product development.

As we make progress, we also plan to take phenomenon of innovation to common public beyond educational institutes, in the form of Quarterly Innovation Jumma Bazars (including virtual) throughout Pakistan, where anyone be it homemaker, common man, mechanic, etc. will have opportunity to show their innovative ideas and products to businessmen to invest in. We are determined to make innovation as part of DNA of our nation. As a nation we need to start relying on ourselves. We at DICE, truly believe we can make everything in Pakistan – we can have our own car brand, our own indigenous solar panels, wind turbines, medical devices, technical and smart textile products; internet-of-things innovative products, digital art service industry, technologies to make Hollywood quality movies and so on.

In the end I would like to make a humble request to expatriates all over the world, academia, industry, government, businessmen, politicians, men and women from any walk of life, to become part of DICE movement and play your role in whatever capacity you can, whether you are in Pakistan or abroad. Together we can make it happen! God Bless our motherland.

DR. KHURSHID QURESHI
Chairman & Founder,
DICE Foundation, USA



Greetings! I would like to begin by thanking all DICE team members, faculty, students, young innovators, volunteers, donors, sponsors, and supporters for another exciting and energizing year. Every passing year further strengthens my belief that Pakistan has great potential and has a lot to offer to the global community. It is up to us, each of us, to do our part and help Pakistan achieve its full potential.

Many non-profit organizations continue to do remarkable work in Pakistan on providing food & shelter, clean water, healthcare, and education to support those who are struggling to survive. We must, however, think beyond survival. We must think about ways to help Pakistan generate wealth to lift its masses out of poverty and get on a path to sustained prosperity and self-reliance.

With over 60% of Pakistan's population below the age of 30, we have a tremendous opportunity to inspire, energize, and equip this generation with the right skills and tools so that it can transform Pakistan.

At DICE Foundation, we continue to believe that focusing on Pakistan's youth (university and high school level) and creating a culture of innovation, entrepreneurship, and indigenous product development is the best way to help prepare Pakistan for growth and prosperity.

To continue to create and promote culture of innovation, DICE Foundation conducted 9 innovation events in 2017 across Pakistan engaging thousands of students, faculty, industry leaders, government officials, and expatriates. In addition, we expanded DICE Institute-Level Innovation Platforms (Student chapters) at local universities with the goal of adding 15-20 new chapters every year until we reach all 185+ universities in Pakistan.

With additional initiatives starting to show results, as described further in this brochure, and participation levels in innovation events growing every year, we believe that we are starting to build good momentum.

To continue to build on this momentum, we need your support. Whether you are a professional working in Pakistan or an expatriate, we encourage you to think about ways you can contribute to this effort, both financially and by volunteering your time. We view our contributions to this cause as our duty and an opportunity to give back to the country that gave us so much.

While there are many challenges and at times economic prosperity in Pakistan may seem too far-fetched or impossible, we must do our part and help create the future we want for Pakistan. Nothing is impossible. As the legendary boxer, Muhammad Ali, put it:

".....Impossible is not a fact. It's an opinion. Impossible is not a declaration. It's a dare. Impossible is potential. Impossible is temporary. Impossible is nothing"

Once again, thanks to all of you who are already part of this journey with us. I ask others to join us in this effort. I believe that working together we can, and we must, help Pakistan achieve its full potential.

May God bless us all.

SAAD ELLAHIE

President, DICE Foundation
Chair, DICE Automotive US

TESTIMONIALS



Dr. Arshad Ali
Executive Director, HEC - Islamabad

I am extremely impressed with the quality and professionalism which DICE platform has brought in to the entrepreneurial eco system of Pakistan. Every year it raises the bar not only in quality of innovations but also in enhancing the interest of Pakistani industry and the linkages with international community. Hats off to Dr Khurshid Qureshi and his team for dedicating their time, efforts and resources for the development of Pakistan. HEC will continue to support this effort in any form possible.



Mujeeb Ullah Khan
CEO iTextile Ltd. Karachi

Being part of DICE foundation has been a great experience, I am really impressed by their sincerity and dedication in developing culture of "innovation and entrepreneurship" in Pakistan. With DICE & NTU I really feel at home as we share a common goal and value system, wish them success in future and Insha'Allah a more prosperous and innovative Pakistan.



Prof. Saeed Quraishy
Vice Chancellor, DUHS - Karachi

DICE has been associated with the DOW University of Health Sciences since the last many years. It has acted as a strong bridge in bringing around innovation and entrepreneurship to health related education of Pakistan. The annual event has seen an increase in the linkage between the Dow University and industry in Pakistan. We are now looking at a platform which has matured and has become the main meeting for health innovation in Pakistan.



Faisal Niaz Tirmizi
Consul General of Pakistan, Chicago

DICE is an exemplary innovation of expatriate Pakistanis endeavoring to serve their country of origin...DICE, in collaboration, with Higher Education Commission, is playing a critical role in promoting innovation process at university and more recently at high school level.



Dr. Tanveer Hussain
Rector NTU – Faisalabad

DICE is a magnificent platform for pitching novel ideas, showcasing research, driving innovation, propelling commercialization and impelling entrepreneurship for sustainable growth of our industry. Bringing academia, industry, government and expatriates together, the DICE platform has undoubtedly created a positive impact on our industry and seeds of the quartet collaboration have already started bearing fruits for our national economy. DICE is truly one of those rarest beacons of hope, boom and prosperity, which have been long-awaited and well-deserved by our nation.



Shabbir Chawla
President Faisalabad Chamber of Commerce & Industry

It is appreciable to note that DICE has played a greater role in Pakistan for promoting innovation and has a very positive impact on the research culture. This has also strengthened the Academia-Industry Linkage for business development in particular reference to promoting innovations related to textile sector that will provide spontaneous access to Pakistan Textile Industry into the international markets.



Shahzad Ahmed Sheikh
Director Arshad Group – Faisalabad

DICE Foundation, USA is an excellent initiative, providing a platform for innovators and inventors to foster their ideas, transforming its theoretical nature into something concrete and sustainable, broadening the horizon of students, gearing them for the dynamic world.



Dr. Qaisar Abbas
Director CIIT – Lahore

Innovation in knowledge, technology and businesses is a key to advancement and prosperity. Distinguished Innovations, Collaboration & Entrepreneurship (DICE) has been a strategic initiative of DICE Foundation, USA aimed at fostering innovation and entrepreneurial culture at worldwide horizon. COMSATS University Islamabad (CUI), Pakistan feels pride in being a long standing partner of DICE. DICE is indeed an effective platform for innovating researchers, engineers and entrepreneurs. CUI commits to stay abreast with and support DICE in all its objectives and future endeavors for paving advancement in the fields of science, technology and businesses in Pakistan.



Resham Shahzad
Director R&D Arshad Group – Faisalabad

Continuous innovation is necessary in this dynamic world. New ideas generated need a platform to nurture and develop. DICE Foundation provides that opportunity, helping the society to grow and prosper.

DICE LEADERSHIP

BOARD OF DIRECTORS



Dr. Khurshid Qureshi
Founder, Chairman &
Trustee



Saad Ellahie
President &
Chair DICE Automotive



Dr. Adil Akhtar
Vice President
DICE Sharks Lead



Ubaid ur Rehman
Secretary &
Chair DICE Energy & Water



Ahmad Malik
Treasurer



Dr. Asim Mahmood
Board Member



Dr. Mazher Hussain
Board Member



Junaid Qurashi
Director Media



Dr. Sohail Hassan
Chair DICE Health



Abid Sandila
Chair DICE IET



Surraya Rashid
Chair DICE Youth



Salman Ahmad
Chair DICE Textile



Ajmal Ahmad
Chair DICE
Creative Art & Media



Syed Asad Ali
Chair DICE Agriculture
& Food Sciences



Farhana Humayoon
Marketing &
Communication Director



Dr. Rana Qamar Masood
Trustee

CHAIRS OF DICE FOCUS PLATFORM, PAKISTAN



Dr. Abdul Ghafoor
Principal SMME- NUST,
Chair DICE Automotive



Dr. Usman Allaudin
Asst. Professor-NEDUET
Chair DICE Energy & Water



Dr. Muhammad Masroor
Pro VC, DUHS
Chair DICE Health



Dr. Yasir Nawab
HOD Weaving – NTU
Chair DICE Textile



Dr. Qaisar Abbas
Director CIIT
Chair DICE IET



Dr. Zahir Ahmad Zahir
Director ORIC-UAF
Chair DICE AFS



Wasim Hashmi
HRD Advisor, HEC
Lead DICE Mega Event

DICE UK CHAPTER



Syed Asad Ali
President



Fakhar Mehmood
Vice President,
Lead Automotive



Ussama Rai
Lead Energy & Water



Abdul Mueed Khawaja
Treasurer



Muhammad Bilal
Secretary



Faraz Rizvi
Core Member E&W

DICE

FOUNDING MEMBERS

Mr. & Mrs.
Dr. Adil Akhtar

Mr. & Mrs.
Ahmad Malik

Mr. & Mrs.
Ashraf Qazi

Mr. & Mrs.
Dr. Athar Ansari

Mr. & Mrs.
Faisal Moin

Mr. & Mrs.
Junaid Qurashi

Mr. & Mrs.
Dr. Khurshid Qureshi

Mr. & Mrs.
Dr. Mazher Hussain

Mr. & Mrs.
Dr. Sohail Hassan

Mr. & Mrs.
Saad Ellahie

Mr. & Mrs.
Ubaid ur Rehman

Mr. & Mrs.
Dr. Zaheer Ahmad

Mr. & Mrs.
Zulfiqar Rashid

Mr. & Mrs.
Zulki Khan

DICE VISION

- Foster Innovation culture in the country. Make it a part of nation's DNA.
- Rapid socio-economic development through Innovation. Use Innovation as a tool to generate wealth for the nation.
- Fully commoditize digital technologies – Bring it to masses in the country. Digital Revolution at all levels.

DICE FRAMEWORK & KEY INITIATIVES

DICE Foundation is a US based non-profit 501 c (3) tax-exempt organization registered in Michigan USA. The organization is run by expatriate volunteers from US, UK, Canada and by thought leaders in Pakistan, who are fully committed to bringing sustained prosperity to their motherland through innovation, entrepreneurship, and local product development.

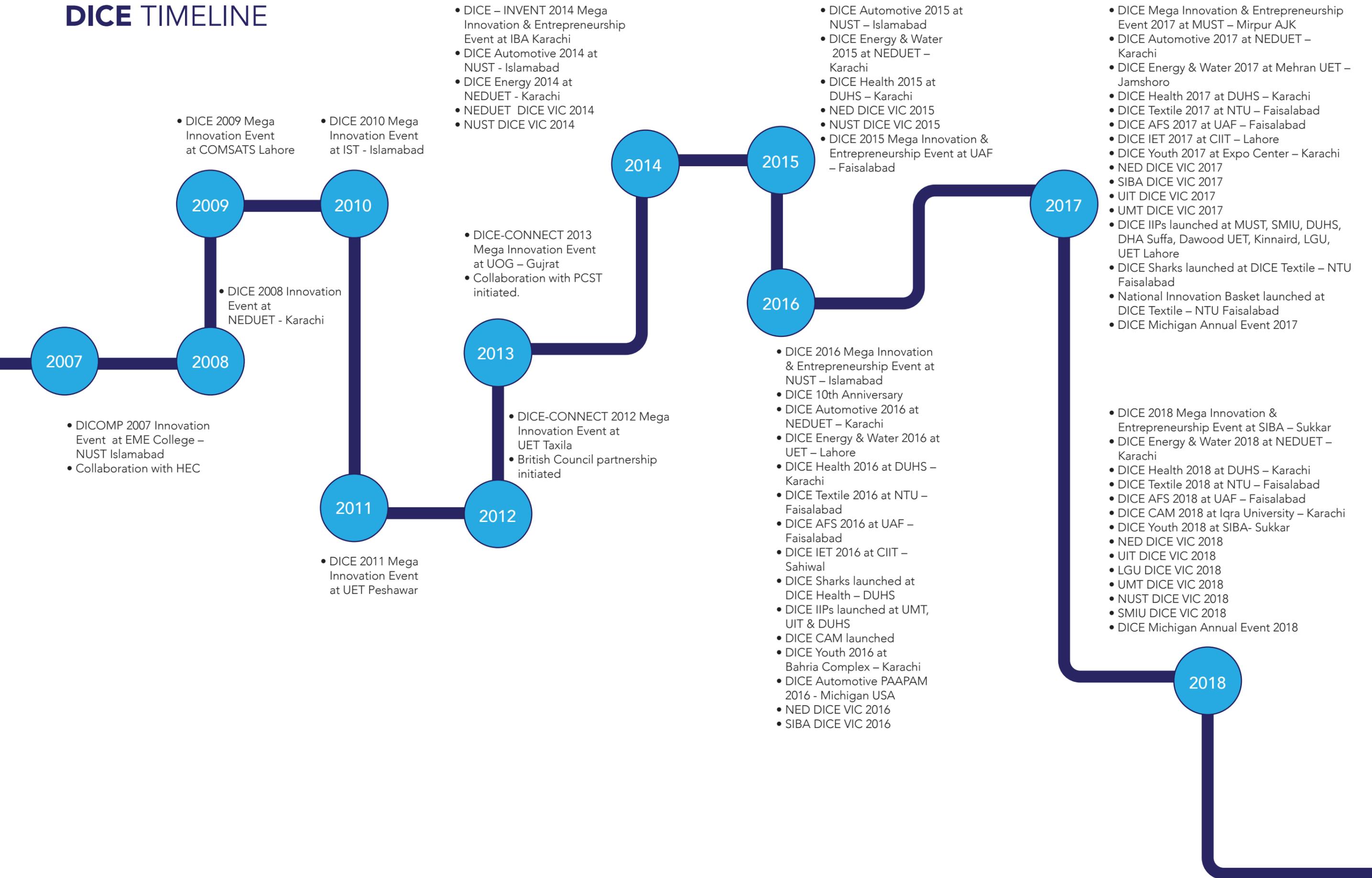
DICE Foundation is pursuing its mission with support from its strategic partners such as Higher Education Commission (HEC), Pakistan Council for Science & Technology (PCST), British Council, major Higher Education Institutions such as NUST, NEDUET, COMSATS, DUHS, UAF, NTU and many industries in automotive, energy, health, textile, IT sectors and industry associations such as PAAPAM, Faisalabad Chamber of Commerce & Industry, textile associations, etc. DICE program has been going on since 2007 and has been mobilizing Academia, Industry and Government institutions across Pakistan, through its DICE mega innovation platform which conducts largest innovation event of the country every year (>200 projects per year from all over Pakistan). The idea is for all stakeholders to come to a common platform to showcase innovations and technologies, share knowledge and further collaborate with each other for the rapid development of innovative products, necessary for the socio-economic development of the country.

Starting in 2014, DICE launched focused innovation platforms in various key sectors of economy such as Automotive, Energy & Water, Health, Textile, Information & Enabling Technologies, Agriculture & Food sciences, and Creative Art & Media. Through these focused platforms DICE is promoting innovation and local product development, collaboration among stakeholders, capacity building through expatriate mobilization, commercialization of innovations, providing access to Pakistani businesses to international markets through extensive expatriate network, and providing support to Government of Pakistan in policy-making. DICE also established several innovation centers throughout the country for focused platforms to pursue strategic projects such as design and development of an indigenous demo car, medical devices, innovative textile products, and low cost renewable energy.

Last year **DICE Sharks** was launched in Pakistan to support commercialization of innovative ideas by connecting young innovators and entrepreneurs with potential investors. Several projects have already been funded (~4M PKR) and are being executed through DICE Sharks initiative. In addition, National Innovation Basket (NIB) initiative was also launched last year to identify opportunities, strengths, issues, weaknesses, and threats in each of the strategic areas of economy, as represented by various platforms.

DICE Foundation will continue to work hard to promote development of local innovative products to reduce imports and increase exports of local products creating a sustainable job market for youth in Pakistan.

DICE TIMELINE



STRATEGIC PARTNERS



ACADEMIC PARTNERS



INDUSTRY AND GOVERNMENT INSTITUTION PARTNERS



DICE PROGRAM INITIATIVES

Annual DICE Mega Innovation & Entrepreneurship Event since 2007

Focused Platforms in the Areas of Strategic Importance to Pakistan

- DICE Energy & Water Platform led by NEDUET, Karachi since 2014
- DICE Automotive Platform led by National University of Science & Technology, Islamabad since 2014
- DICE Health Platform led by Dow University of Health Sciences, Karachi since 2015
- DICE Agriculture & Food Sciences Platform led by University of Agriculture, Faisalabad since 2016
- DICE Textile Platform led by National Textile University, Faisalabad since 2016
- DICE Information & Enabling Technologies Platform led by COMSATS since 2016

Innovation Development, Commercialization & Capacity Building

- DICE Energy & Water Innovation Center at NEDUET, Karachi
- DICE Automotive Innovation Center at NUST
- DICE Health Innovation Center at DUHS
- DICE Agriculture & Food Sciences Innovation Center at UAF
- DICE Textile Innovation Center at NTU
- DICE Information & Enabling Technology Innovation Center at COMSATS.

DICE Institution-level Innovation Platform (Student Chapters)

Annual Intra Institution Innovation Event - DICE VIC

- DUET – KARACHI
- DUHS – KARACHI
- DSU – KARACHI
- KINNAIRD - LAHORE
- LGU – LAHORE
- MUST – MIRPUR, AJK
- NEDUET – KARACHI
- NUST - ISLAMABAD
- SIBA – SUKKUR
- SMIU – KARACHI
- UET – LAHORE
- UIT – KARACHI
- UMT – LAHORE

ALL PAKISTAN DICE MEGA INNOVATION & ENTREPRENEURSHIP EVENT

All Pakistan DICE Mega Innovation and Entrepreneurship event is the largest innovation event of the country and has been conducted every year since 2007 to promote culture of innovation and entrepreneurship in the country. The key idea behind the event is to mobilize academia, industry, and government institutions from all over the country and provide them with a common platform to showcase innovations, share knowledge and further collaborate with each other for the rapid development of innovative products, necessary for the socio-economic development of the country. Other major objectives of the event is to create a positive and favorable image of Pakistan in the eyes of international community i.e. highly innovative and high-tech nation fully capable of developing innovative products and providing high tech services to the rest of the world.

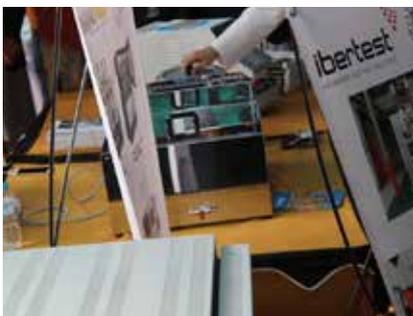
The major partners of the DICE Mega innovation platform are Higher Education Commission (HEC), Pakistan Council for Science & Technology (PCST), and British Council. Every year event is hosted by a different institution, in which hundreds of innovations are exhibited from academic institutions from all over the country. Innovations can be submitted in four major categories: engineering, physical sciences, arts & humanities and medical sciences. The top innovations in each category are awarded with prizes sponsored by DICE Foundation. The event draws huge attendance and participation from industry and government institutions.



**ALL PAKISTAN DICE MEGA
INNOVATION &
ENTREPRENEURSHIP EVENT 2018**
WILL BE HELD ON OCTOBER 8TH & 9TH 2018
@ SUKKUR IBA UNIVERSITY (SIBA), SUKKUR



ALL PAKISTAN DICE 2017 MEGA INNOVATION & ENTREPRENEURSHIP EVENT @ MUST, MIRPUR, AJK



ALL PAKISTAN DICE 2016 MEGA INNOVATION & ENTREPRENEURSHIP EVENT @ NUST, ISLAMABAD



ALL PAKISTAN DICE 2015 MEGA INNOVATION & ENTREPRENEURSHIP EVENT @ UAF, FAISALABAD



ALL PAKISTAN DICE-INVENT 2014 MEGA INNOVATION & ENTREPRENEURSHIP EVENT @ IBA, KARACHI



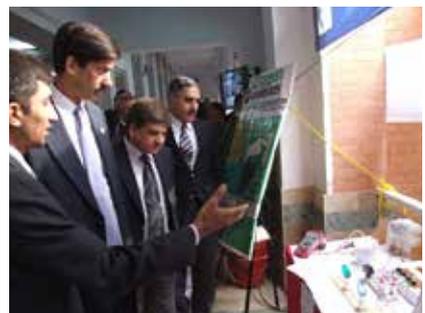
ALL PAKISTAN DICE-CONNECT 2013 MEGA INNOVATION & ENTREPRENEURSHIP EVENT @ UOG, GUJRAT



ALL PAKISTAN DICE-CONNECT 2012 MEGA INNOVATION & ENTREPRENEURSHIP EVENT @ UET TAXILA



ALL PAKISTAN DICE 2011 MEGA INNOVATION & ENTREPRENEURSHIP EVENT @ UET PESHAWAR



ALL PAKISTAN DICE 2010 MEGA INNOVATION EVENT @ IST, ISLAMABAD



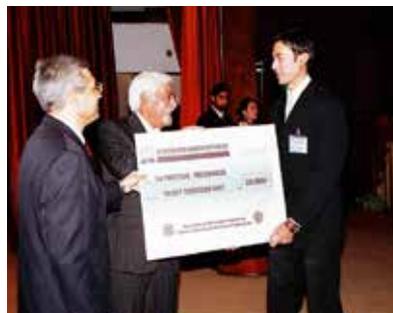
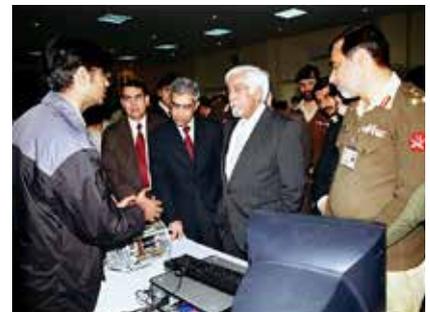
ALL PAKISTAN DICE 2009 MEGA INNOVATION EVENT @ COMSATS, LAHORE



**ALL PAKISTAN DICE 2008 INNOVATION
EVENT @ NEDUET, KARACHI**



**ALL PAKISTAN DICOMP 2007 INNOVATION
EVENT @ EME, NUST, RAWALPINDI**



DICE AUTOMOTIVE

VISION

Grow automotive industry in Pakistan to globally competitive levels by 2040.

MISSION

Encourage and promote automotive related innovations throughout the country and transform them into commercial products and services; and to serve as R&D wing for the automotive industry to help solve their technological problems.

CORE TEAM

PAKISTAN

DR. ABDUL GHAFOOR (CHAIR)
DR. AMER BHATTI
DR. RAJA AMER AZEEM
DR. IRFAN UL HAQ
DR. MAZHAR ABBAS RIZVI
MR. MUHAMMAD SABIH
DR. MUSHAHID HASHMI
MR. NAWEED HASAN
MR. NAJIULLAH HUSSAINI
DR. SAMI UR REHMAN
DR. TAHIR IZHAR

USA, CANADA, & EUROPE

MR. SAAD ELLAHIE (CHAIR)
DR. QADEER AHMED (SECRETARY)
MR. ABDUL MUEED KHAWAJA
MR. ABID SANDILA
DR. AHSAN QAZI
MR. FAKHAR MEHMOOD
DR. KHURSHID QURESHI
MR. MUHAMMAD ABDUL HARIS
MR. MUHAMMAD BILAL
MR. SAMI SIDDIQUI
MR. SYED ASAD ALI
MR. UMAR KHAN

KEY INITIATIVES:

Annual Innovation Event: Purpose of this event is to promote innovation and entrepreneurship by providing a forum for students to showcase innovative ideas and products to automotive industry. 4th Annual Event was held at NED in Karachi on Dec 28th & 29th, 2017 bringing leaders from academia, expatriate community, industry, and government together to discuss challenges, opportunities, and actionable plans for short and long-term growth of automotive industry in Pakistan.

Capacity Building: Pakistani expats from auto industry in the US, Canada, and Europe are working with a consortium of universities in Pakistan to build capacity in vehicle design and manufacturing. Consortium universities and focus areas: NUST (Integration, Exterior, Thermal), CUST (Controls), NED (Engine/Trans), DSU (Chassis, Electrical), UET Lahore (Electrification, Autonomous), NCA (Design/Styling).

Commercialization: DICE Automotive Innovation Center (AIC) which was launched in 2015 is a collaborative initiative of NUST Islamabad and DICE Foundation with key objective of transforming high potential ideas into commercial ready products and services for the automotive industry. One of the main goals of the AIC is to build a demo vehicle in subcompact segment based on indigenous design, styling, and engineering.

Access to International Markets: Network of contacts established over time by Pakistani expats working in the auto industry in the US, UK, & other countries provide an excellent opportunity for auto parts manufacturers in Pakistan to gain access to international markets. DICE Automotive and select group of automotive component manufacturers in Pakistan are continuing to explore export and business opportunities in international markets.

Engaging Government: One of the key initiatives is to engage government officials and institutions for example Higher Education Commission (HEC) and members of Planning Commission in DICE activities to establish individual and institutional relationships with the aim to aid government in automotive policy-making especially for future technologies such as Electric Vehicles

FEATURED PROJECT – DEMO CAR

- One of the key initiatives of DICE Automotive Innovation center at NUST, Islamabad.
- Sub-compact segment with focus on affordability & competitive performance.
- Focus on engineering and development using methods, tools and techniques that are in line with cutting edge international standards.
- Variant approach – conventional and electric variants using same platform.
- Faculty and students from consortium of universities working in a matrix structure with support of expatriates from US, Canada, UK, and Germany.



EVERY ACCOMPLISHMENT STARTS WITH THE DECISION TO TRY.



DICE TEXTILE

VISION

Empowering our nation to address its textile problems through innovative solutions.

MISSION

To encourage and promote textile related innovations throughout the country and transform them into commercial products and services; and to serve as R&D wing for industry to help solve their textile related problems.

DICE TEXTILE STEERING COMMITTEE

PAKISTAN

DR. YASIR NAWAB (CHAIR)
DR. SALMA FAROOQ (NEDUET)
DR. MAZHER PEERZADA (MUET)
DR. SYED ZAMEER (BUIITEMS)
MR. MUJEEB KHAN (ITEXTILES)
MR. AHMAD SHAFI (CRESTEX)
DR. TALHA HAMDANI
MR. USMAN JAVED
DR. MUHAMMAD UMAIR
MR. UMAR NAZIR
MR. MUHAMMAD ZOHAIB

USA

MR. SALMAN AHMAD (CHAIR)
DR. KHURSHID QURESHI

DICE TEXTILE ANNUAL INNOVATION EVENT 2018

DTIC organized DICE Textile Annual Innovation Event on March 6th & 7th 2018 at NTU Faisalabad in which 180 unique ideas/prototypes by students/faculty were exhibited from 40 institutions of Pakistan.

DICE Textile is a focused strategic initiative of DICE Foundation led by National Textile University (NTU) Faisalabad in close collaboration with consortium universities, textile Industry, and government.

The major objectives of DICE Textile platform are:

- To grow indigenous textile industry in Pakistan by providing a common platform for Academia, Textile Industry, Government and Expatriates to promote and collaborate on innovations related to textile sector.
- Commercialization of innovations.
- Textile Engineering capacity building leveraging knowledge of expatriates around the world.
- Providing access to Pakistan textile industry to international markets leveraging extensive expatriate network and to help Government of Pakistan in textile policy making.

DICE TEXTILE INNOVATION CENTER (DTIC)

DICE Textile Innovation Center is established in 2016 with the joint collaboration of DICE Foundation and National Textile University (NTU) Faisalabad with the support of consortium universities including NED University of Engineering & Technology, Mehran University of Engineering & Technology, Balochistan University of Information Technology Engineering and Management Sciences. DTIC provides a platform for Textile related innovations and for collaboration among academia, industry, government, entrepreneurs and expatriates to integrate science, technology and policy solutions to solve pressing textile challenges faced by Pakistan. It aims to mobilize textile professionals of Pakistani origin around the world, to take advantage of their expertise and experiences for growth of textile sector in Pakistan.

DICE SHARKS 2018

An initiative to pitch good student research projects to CEOs/Technical Directors for funding with the objective to encourage innovation by youth and to make it beneficial for the industry.

Total 10 projects were pitched in DICE Sharks 2018 session, 6 projects were approved and funded by Interloop, Crestex, Arshad Group, Archroma, and Sapphire amounting to Rs. 1.654 Million.

Six approved projects as below:

| PROJECT TITLE | INSTITUTE | FUNDED BY |
|--|---|------------------|
| Bullet Spinnerts for Mass Poduction of Nano Fibers | Bahauddin Zakariya University, Multan | Interloop Ltd. |
| Fabric Defect Detection Robot | GC Women University Faisalabad | Arshad Group |
| Anti Electric Gloves Inspired by Illusion Patterns | National Textile University, Faisalabad | Archroma |
| Hunting Jackets | National Textile University, Faisalabad | Arshad Group |
| Development of Fire-Fighter Suit | National Textile University, Faisalabad | Sapphire |
| Trashion; Recycling of Polythene Bags | GC Women University Faisalabad | Crescent Textile |

INTERNATIONAL CONFERENCE ON INNOVATION & ENTREPRENEURSHIP IN TEXTILE (IETEX) 2018

DTIC organized IeTEX 2018 on March 6th & 7th 2018 along with DICE Textile Annual Innovation Event in which national and international speakers participated and presented at panel discussions:

- Market backed R&D
- Branding & Entrepreneurship
- CPEC & Textile Industry of Pakistan.



NATIONAL INNOVATION BASKET (NIB) 2018

NIB was conceptualized by NTU-DICE Textile Innovation Center, during the first meeting held on March 27, 2017. Three sessions of NIB focus groups have been held and recommendations from different focus groups have been collected. NIB second meeting also held during 3rd All Pakistan DICE Innovation event at National Textile University on 6th & 7th March 2018.

NIB FOCUS GROUPS

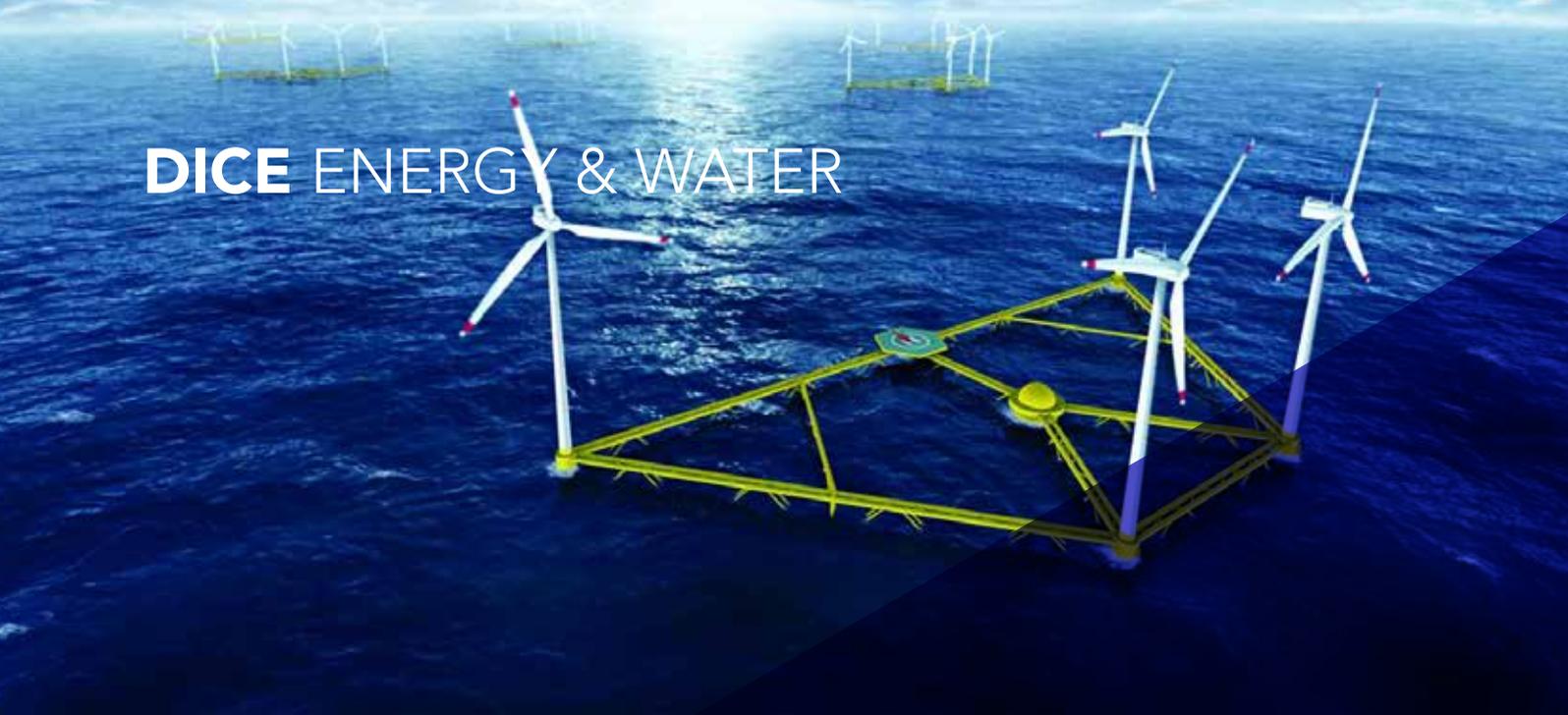
Six focus groups were formed to work on different directions of Textile Industry. Purpose of these groups was to propose their findings on identified areas to form a National Textile Policy document. Focus group were from six areas:

- Yarn Manufacturing
- Fabric Manufacturing
- Textile Processing
- Garment Manufacturing
- Technical Textiles
- Supply Chain

COLLABORATION WITH INTERNATIONAL INSTITUTES

DICE Foundation is trying to do collaboration with international universities and Pakistan's textile academia and industry for capacity building. Prof. Abdel Fatteh Seyam from North Carolina State University and Prof. Andrew Zimbhoff from University of Nebraska attended the 3rd DICE Textile Innovation Event and IeTEX 2018. The aim is to make match pairs for joint projects in the field of technical textile and other textile areas.

DICE ENERGY & WATER

An aerial view of an offshore wind farm in the deep blue ocean. Several white wind turbines are connected by a yellow and green steel lattice structure. The sky is clear and blue.

DICE ENERGY & WATER STEERING COMMITTEE

PAKISTAN

DR. MUHAMMAD TUFAIL (CHAIR)

DR. PERVEZ HAMEED

DR. IMRAN HUSSAIN

MR. SYED HASSAN RAZA

MR. ALI ZULQARNAIN

DR. USMAN ALLAUDDIN

DR. MOHSIN AMAN

DR. MUHAMMAD AMIR QURESHI

MR. MUHAMMAD SAQIB

MR. NAVEED SIDDIQUE

USA

MR. UBAID UR REHMAN (CHAIR)

MS. SURRAYA RASHID (LEAD - WATER)

DR. GHAUS RIZVI

UK

MR. FARAZ RIZVI

MR. FAKHAR MEHMOOD

VISION

"Empowering our nation to address its Energy and Water problems through innovative solutions".

MISSION

"To foster energy and water related innovations throughout the country and transform them into commercial products and services; and to serve as R&D wing for industry to help solve their problems".

DICE ENERGY AND WATER INITIATIVES

- Industry/ Academia Collaboration Platform in Pakistan.
- To bring Industry Academia and Government together at regular intervals.
- Academia projects.
- To develop Energy and Water knowledge & expertise through university projects.



DICE ENERGY AND WATER (DICE E&W) INNOVATION CENTER

DICE Energy and Water Innovation Center is established in 2014 with the joint collaboration of DICE Foundation and NED University of Engineering and Technology, Karachi with the support of consortium universities including NED University of Engineering & Technology, Mehran University of Engineering & Technology, and National University of Science and Technology (NUST), Islamabad. DICE E&W provides a platform for Energy and Water related innovations and for collaboration among academia, industry, government, entrepreneurs and expatriates to integrate science, technology and policy solutions to solve pressing Energy and Water challenges faced by Pakistan. It aims to mobilize Energy and Water Professionals of Pakistani origin around the world, to take advantage of their expertise and experiences for growth of Energy and Water sectors in Pakistan.

The prime objective of the Innovation center is transforming concept ready innovations, coming universities in Pakistan, into implementation ready and production/market ready products and to help industry in solving their automotive related issues/problems.

The focus is a national interest and on moving the needle and empowering our nation to solve chronic energy and water related issues.

In terms of priority the center focus will be:

- Transforming concept ready products/services into Commercial ready products/services (DNA)
- Provide value add services to industry and solve industry issues/problems, by using local as well as expatriate expertise and their network (academic as well as industry) (DNA)
- Start-of-art research projects in the area of Energy and Water engineering



The projects which will be carried through the center will need to follow a standard process (as much as possible) to move from concept readiness to implementation readiness to production/market readiness. Each project team (internal /external) must adhere through that process as well through Center governance process. The center will also collaborate with business schools to assist in this process.

The center will provide seed funding for projects with high potential of commercialization to become commercial ready.

The center will also mobilize industry/entrepreneurs/venture capitalists/investors.



DICE HEALTH

VISION

DICE Health Innovation Center at DUHS promotes the indigenous development of Innovative Technologies, Clinical practices, Care delivery models and policies to improve the Quality, Affordability and Delivery of Healthcare in Pakistan

MISSION

To provide a platform for academia, health systems, industry, government, entrepreneurs, investors and expatriates to interact, share knowledge and collaborate on innovation and commercialization in the field of healthcare.

DICE HEALTH STEERING COMMITTEE

PAKISTAN

PROF. SAEED QURAI SHY

PROF. MUHAMMAD MASROOR
(CHAIR)

PROF. KHAWAR SAEED JAMALI

MR. IQTIDAR SIDDIQUE

DR. ASIF QURESHI

MR. HAMMAD KHAN

DR. NAZISH TARIQ

MR. MUHAMMAD HASSAN MALIK

USA

DR. SOHAIL HASSAN (CHAIR)

DR. ADIL JAMAL AKHTER

DR. ASIM MAHMOOD

DR. MAZHER HUSSAIN

DR. HASSAN MUMTAZ

DR. AMNA ZEB

DR. ADNAN AJMAL

DICE Health is a focused strategic initiative of DICE Foundation led by Dow University of Health Sciences (DUHS) in close collaboration with consortium universities, Industry, and government. The major objectives of DICE Health platform are:

- Arrange Annual DICE Health Mega Exhibition & Competition event to exhibit innovative ideas and research from all over the country.
- Transform concept ready ideas into commercial ready products and services.
- Capacity building by mobilization of expatriate who are experts in healthcare sector.
- Provide Pakistani businessmen and entrepreneurs in healthcare industry access to international markets, using expatriate network.
- By means of National Innovation Basket (NIB), create a Think Tank to aid The Government of Pakistan in healthcare policy making.

DICE HEALTH INNOVATION CENTER

DICE Health Innovation Center is established in 2015 with the collaboration of DICE Foundation and Dow University of Health Sciences (DUHS) with the support of consortium universities including NED University of Engineering & Technology, National University of Sciences and Technology (NUST) and Sir Syed University of Engineering and Technology (SSUET). The objective of the Innovation center is to transform concept ready innovations, coming from the universities in Pakistan, into implementation ready and production/market ready products and services. Each year innovative ideas and projects will be selected from the academic centers and the project teams will be provided mentorship by the local as well as expatriate expertise and their network to transform these ideas into commercial ready products and services.



DICE SHARKS SESSION

- Projects with the highest potential for commercial viability are selected by the judges after critical evaluation.
- On the day of the event the funding team comprising of industrialists and philanthropists visit each team's booth to learn about the project. The team is asked to present the projects in the forum of prospective investors. Each team presents the project and there financial needs.
- In 2017, 3 projects were funded. The year before, eight projects were chosen based on commercialization potential and 2 were funded.



2016 DICE SHARKS CHOSEN PROJECTS

1. Defibrillator
2. Pacemaker
3. Water bath
4. Vision testing
5. Water filter straw
6. Learning hardware
7. Stethoscope



2017 DICE SHARKS FUNDED PROJECTS

1. Water bath
2. Military uniform
3. Honey ointment



NATIONAL INNOVATION BASKET SESSION

Short Term Projects (6 – 12 months)

- All the funded projects from 2016
- All the Innovation Center projects for the 2017.

Medium Term Projects (1 -5 years)

- Training, education transfer of knowledge.
- Recognition of DICE by APPNA.
- Innovative research to address the problem of counterfeit drugs in Pakistan.

Long Term Projects (5-10 years)

- Development of research infrastructure for industry sponsored clinical trials.
- Develop innovative models to improve primary care in Pakistan. Increase Health care funding by the Government of Pakistan.



D.I.C.E.
CREATIVE ART & MEDIA

DICE CREATIVE ART & MEDIA

DICE platform for the Creative Art and Media was launched in December 2016 during the DICE-Health Innovation Event.

DICE CAM STEERING COMMITTEE

PAKISTAN

DR. MUHAMMAD ZAKI

DR. RANA QAMAR MASOOD

DR. MAZHAR RIZVI

MS. HASEENA MOIN

MS. RIDA ZAMAN

MS. SHAZIA MIRZA

MR. ALI SULAIMAN

USA

MR. AJMAL AHMAD (CHAIR)

MR. USMAN KHAN

DR. ADIL AKHTER

AREAS OF FOCUS

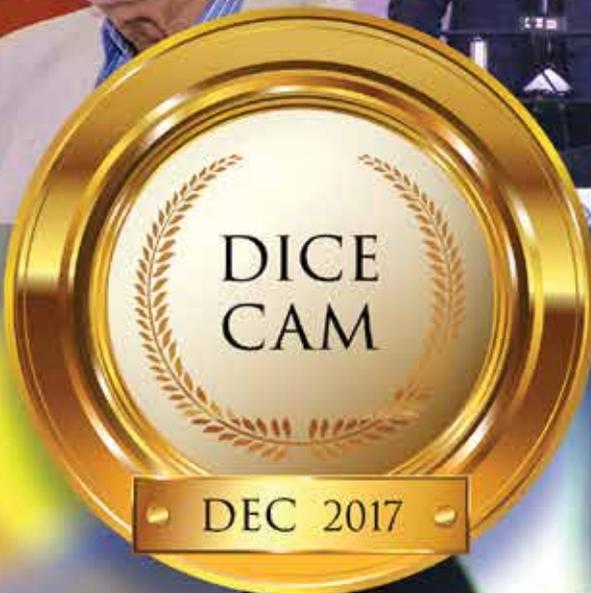
Open format including the exhibition of Short-Films, Art, Design, Photography and Installations and Performance.

MISSION

The mission of DICE Creative Art & Media (CAM) is to use the powerful mediums of design, art, communication and film to foster a drastic and fundamental change in the thought process of academia, independent artists, creative entrepreneurs and industry. CAM will be the spark of creation and innovation that will lead to the promotion of art & media, knowledge sharing, collaboration, networking and capacity building. In the short term, CAM will offer tools, contacts and cross national opportunities to speed the process as well as begin the important change of inward image creation and outward image perception. The far-reaching goal is to create a shift of thinking from a culture of memorization and regurgitating to a culture of abstract thinking and creationism. This new focus on innovation within the creative community will be a fundamental pillar of shifting the mainstream thought process towards a culture of forward thinking that will lead to socio-economic development in Pakistan of all forms.

OBJECTIVES OF DICE CAM 2017

- To foster culture of Innovation and Entrepreneurship in the country and make it part of Nation's DNA.
- To establish a strong linkage b/w academia and creative art and digital media community.
- To provide a common platform for academia, industry, government, entrepreneurs and expatriates to interact, share knowledge and collaborate on innovations in Creative Art and Media, in order to promote a culture of creativity and innovation in the country.
- To create a positive and favorable image of Pakistan's cultural heritage and artist's community in the eyes of international audience.
- To expedite the process of technology revolution in Pakistan by motivating both academia and industry to acquire, promote and utilize state-of-art technologies/high-tech software for the rapid development of innovative digital media and art products & services.



DICE AGRICULTURE & FOOD SCIENCES



DICE AFS STEERING COMMITTEE

PAKISTAN

DR. ZAHIR AHMAD (CHAIR)

DR. ABDUL RASHID

DR. ABDUL NAVEED

DR. WASEEM AHMAD

MR. FAROOQ HASSAN

USA

DR. HAFIZ MALIK

MR. MUHAMMAD SIDDIQUE

UK

MR. ASAD ALI (CHAIR)

DICE Agriculture and Food Sciences (AFS) is a focused strategic initiative of DICE Foundation USA. It is led by the University of Agriculture, Faisalabad (UAF) in close collaboration with a consortium of selected universities, government institutes as well as the agriculture and food sciences industry. The broader scope of DICE AFS is to foster the culture of innovation and entrepreneurship in the country and make it part of the Nation's DNA.

AREA OF INNOVATION

The innovative projects are focused amongst the following thematic areas:

- Agriculture and Food Sciences
- Agriculture and Veterinary Sciences
- Agri-Engineering Technology and ICT
- Food, Home and Social Sciences
- Value addition, Ventures and commercialization



OBJECTIVE OF DICE AFS

To foster the culture of innovation and entrepreneurship in the country, stressing upon its importance and indispensability for the Nation's uplift.

To establish strong links between the academia and the agriculture & food industry, and to provide a common platform for them to collaborate, with the objective of indigenously creating innovations that are implemented and commercialized in industry.

Through the DICE Innovation events and AFS platform, the goal is to promote a positive image of the Pakistani Agriculture and Food Sciences Industry among the international community; making efforts to prove that Pakistan is fully capable of developing innovative agriculture and food products, not only for the domestic market, but also for the rest of the world. To expedite the technological revolution in Pakistan by motivating both the academia and the industry to acquire, promote and utilize state-of-the-art technologies/high-tech software for rapid development of innovation agriculture and food.





DICE INFORMATION & ENABLING TECHNOLOGY (IET)

VISION

Establish Pakistan as a global presence in information and enabling technologies by providing a collaboration, innovation and commercialization platform to academia, industry and government.

MISSION

To foster information and enabling technologies related innovations throughout the country and transform them into commercial products and services; and to serve as R&D wing for industry to help solve their problems.

CORE TEAM

USA

MR. ABID SANDILA (CHAIR)

DR. KHURSHID QURESHI

MR. UBAID REHMAN

MR. AHMAD MALIK

MR. MOHSIN AHMED

MS. ERUM REHMAN

PAKISTAN

DR. QAISAR ABBAS (CHAIR)

DR. RAHEEL QAMAR

DR. SALEEM AKHTAR

DR. ASIM ALI KHAN

MR. IMRAN RAZA

MR. FAWAD AHMAD

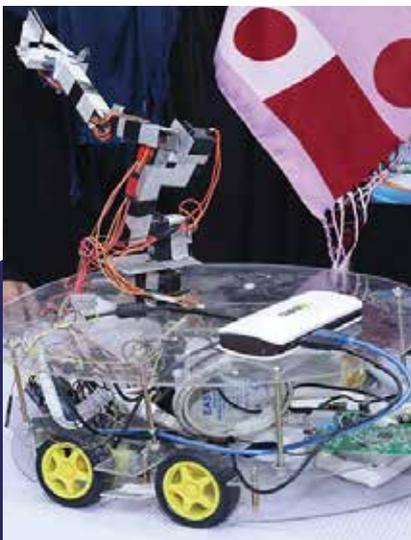
DICE IET is an initiative of DICE Foundation. DICE IET provides a platform for information technology related innovations and for collaboration among academia, industry, government, entrepreneurs and expatriates to integrate science, technology and policy solutions to solve pressing information technology challenges faced by Pakistan. DICE IET aim is to mobilize Technology Professionals of Pakistani origin around the world, to take advantage of their expertise and experiences for growth of Information Technology sector in Pakistan.

FOUR MAJOR ELEMENTS OF DICE-IET PROGRAM

1. Annual all Pakistan DICE-IET Innovation Exhibition to provide a common platform for academia, industry, government, entrepreneur and expatriates to collaborate on innovative information and enabling technology solutions
2. Provide a mechanism to give relevant and meaningful access to Information and Enabling Technologies and Infrastructure to all students in Pakistan.
3. Identify, harness and promote home-grown talent and innovations in Information and Enabling Technologies and provide the network to commercialize them globally.
4. Influence Industry and Government to create world-class Information and Enabling Technologies outsourcing centers that attract international customers.

DICE-IET 2017 SHARK WINNERS

| PROJECT TITLE | INSTITUTE | FUNDING(PKR) | FUNDED BY |
|---|----------------|--------------|-------------------|
| Investigation of NIR Spectroscopy for Non-Invasive Blood Glucose Detection Through Wireless Sensor Networks | COMSATS Lahore | 0.3 Million | Blue East |
| | | 0.1 Million | Supernet |
| Upper Limb Remote Physiotherapy & Speech Synthesis for Mute People | COMSATS Lahore | 0.2 Million | BiFringence |
| Be my voice | UET Taxila | | |
| Voice Synthesizer and Remote Health Monitoring System | COMSATS Lahore | 0.1 Million | DICE organization |



DICE YOUTH



KEY INTEREST AREAS FOR INNOVATION

- CLEAN CITY
- CIVIC SENSE
- SOCIAL ETHICS
- ENVIRONMENT
- TRAFFIC AND POLLUTION
- WATER AND ENERGY
- SAFETY AND SECURITY
- EXERCISE AND EATING HABITS

DICE YOUTH STEERING COMMITTEE

- MS. SURRAYA RASHID (CHAIR)
- DR. RANA QAMAR MASOOD
- DR. KHURSHID QURESHI
- MR. IKHTIAR KHOSO (SIBA)

DICE Youth, a joint collaborative initiative of DICE Foundation, USA, and its local partners in Pakistan. The purpose of the youth platform, established in 2015, is to promote culture of innovation in Pakistan's young adults. These young adults make up for more than 60% of Pakistan's 190 million population, and with the empowerment and engagement of these individuals we can solve many of our common communal and societal issues and move Pakistan towards a sustainable, independent future with a thriving economy.

VISION

To promote civic sense and culture of innovation, entrepreneurship and indigenization among youth of Pakistan.

MISSION

Provide a strategic platform to our youth where they can bring their ideas and innovations to empower Pakistan on multiple dimensions, including economical, social, cultural, and environmental; thus, making Pakistan safe, secure, stable, prosperous, and efficient.

DICE YOUTH ANNUAL EVENTS

Under DICE Youth umbrella, innovations events are held annually, targeting high school students from all over Pakistan. These events provide an opportunity for students to showcase their projects in front of their peers, teachers, industry and government officials.

DICE YOUTH LAUNCHING CEREMONY 2015



DICE YOUTH INNOVATION EVENT 2016



DICE YOUTH INNOVATION EVENT 2017



DICE YOUTH INNOVATION EVENT 2018

The next DICE Youth annual event is planned to be held at Sukkur IBA University on October 8th & 9th 2018.

DICE INSTITUTION-LEVEL INNOVATION PLATFORM (DICE IIP)

VIRTUAL INNOVATION COMPETITION

VISION

Empowering students of Pakistan to address its grass root problems through innovative solutions.

MISSION

To foster innovation and entrepreneurship culture at an institute level throughout the country and transform student ideas into commercial products and services through various DICE focused initiatives.

DICE IIP STEERING COMMITTEE

MR. UBAID REHMAN (CHAIR IIP, USA)

MR. IBRAHIM KHAN (NEDUET IIP LEAD)

MR. MUHAMMAD AZEEM ALI (NUST IIP LEAD)

MR. SUBHAN KHAN (SIBA IIP LEAD)

MR. MUSTAJAB ABBAS ALI (UIT IIP LEAD)

MS. JAVERIA BADAR KHAN (UMT IIP LEAD)

BACKGROUND

DICE Foundation all Pakistan Innovation platforms which have been going on since 2007 have proven to be an excellent tool to create innovation culture at national level. In eight mega all Pakistan annual innovation events, institutions from all over Pakistan participate with their best of the best innovations and also have an opportunity to pitch their innovations in front of industry and businessmen to raise necessary funds to convert their innovation ideas into real commercial products.

Though each of these all Pakistan events has huge overall participation from all over Pakistan but from a participating institution perspective, only few handful of teams are able to participate from any given institution and hundreds of students are still unable to directly benefit from these large national innovation events. In order to address this major issue and to create a strong culture of innovation within an institution involving whole population of student community, DICE Foundation started to launch DICE Institution-level Innovation Platforms (DICE-IIPs) in 2014, with a goal to ultimately cover all 180+ Higher education institutions, polytechnics and vocational training centers, etc. in Pakistan.

DICE IIP PARTNERS

- NED University of Engineering and Technology, Karachi
- National University of Sciences and Technology (NUST), Islamabad
- Sukkur Institute of Business Administration (SIBA), Sukkur
- Usman Institute of Technology (UIT), Karachi
- Dow University of Health Sciences (DUHS), Karachi
- University of Management and Technology (UMT), Lahore
- Mirpur University of Science and Technology (MUST), Mirpur
- University of Engineering and Technology (UET), Lahore
- Kinnaird College for Women University, Lahore
- Sindh Madressatul Islam University, Karachi
- DHA Suffa University, Karachi
- Dawood University of Engineering and Technology (DUET), Karachi
- Lahore Garrison University (LGU), Lahore



DICE VIRTUAL INNOVATION COMPETITION (DICE VIC)

DICE IIP is a very powerful platform to create culture of innovation throughout an institution. It is typically jointly led by a student society team and faculty in-charge, using the framework and guidance provided by DICE Foundation, USA. As part of DICE IIP, each institution is required to conduct one DICE VIC innovation event every year for which prize money is sponsored by DICE Foundation. In order to involve students from throughout the institution, student teams run marketing campaign and approach students from each department to participate in DICE VIC event. They also approach industry to attend and participate in the final event as well as to support judging process. This enables the institution to establish strong linkage with local industry which can provide seed funds to develop those innovations along with providing internships and other necessary support to students throughout the year. In each DICE VIC hundreds of student teams from all major departments submit their innovations on DICE Innovation Portal. All these submitted innovations then go through a rigorous judging process by experts from academia and industry, to select top innovations which can then be taken to next step to get developed into commercial ready indigenous products, with support from industry/businessmen and DICE Foundation.





DICE MICHIGAN ANNUAL EVENT 2017

DICE Foundation, USA held its first Annual Community Event at Edwards Hotel in Dearborn, Michigan. Event was attended by broad cross-section of roughly 400 Pakistani expatriates working and living in the US. Special guests at the event included Dr. Masood Hameed (Founding Vice Chancellor of Dow University of Health Sciences, Karachi) and his wife Dr. Rana Qamar, Mr. Faisal Niaz Tirmizi (Consul General of Pakistan - Chicago), Mrs. Rubina Ashraf (well known drama actress and producer in Pakistan), and Faran Tahir (Pakistani-American actor in several Hollywood movies). MC for the event was Mr. Ajmal Zaheer Ahmad (writer and producer of Hollywood movie Jinn). Live entertainment was provided by music band Josh.



DICE SHARKS FRAMEWORK

LINKING INNOVATORS AND INVESTORS
BRIDGING THE GAP BETWEEN IDEA AND PRODUCT

VISION

Develop an ecosystem to support innovation culture and indigenous product development in Pakistan.

MISSION

Link innovators and investors to bridge gap between idea and product.

DICE SHARKS STAGES

IDEA TO PRODUCT



DICE SHARKS STEERING COMMITTEE

- Leadership from DICE USA and Pakistan, from the industry and the academia
- Functions of the Steering Committee:
 - Set strategic direction
 - Mobilize resources
 - Champion DICE SHARKS strategic initiatives
 - Monitor progress

DICE SHARKS CENTRAL COMMITTEE

- Members from DICE USA and Pakistan, from different platforms, and from the industry and the academia.
- Functions of the central committee:
 - Plan the DICE SHARKS sessions.
 - Create a pool of investors.
 - Set the strategic goals.
 - Work with the platform DICE SHARKS committees to identify projects at least 2 months in advance.

DICE SHARKS PROCESS – AT THE EVENT

- **Organize** DICE SHARKS sessions on the first day of DICE innovation event.
- **Create** a central stage for DICE SHARKS session in the exhibition hall to ensure maximum attendance
- **Seat** Investors and the selected members of DICE team on the stage
- **Introduce** DICE SHARKS session process to all in attendance
- **Start** project presentations. Each team will be given 15 minutes for the presentation and Q&A
- The investors must make **on spot investment decision**
- Celebrate the successful funding of a project by **DICE SHARKS SIGNATURE PICTURE** of the project team, investor and the DICE team
- A summary of the DICE SHARKS session and the funded projects will be presented at the closing ceremony by the innovation center DICE SHARKS lead

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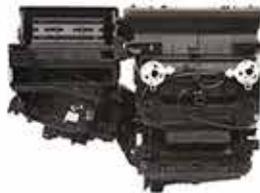
Our Products



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Starter



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HONDA



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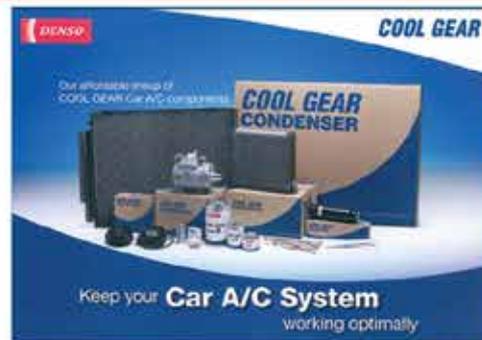


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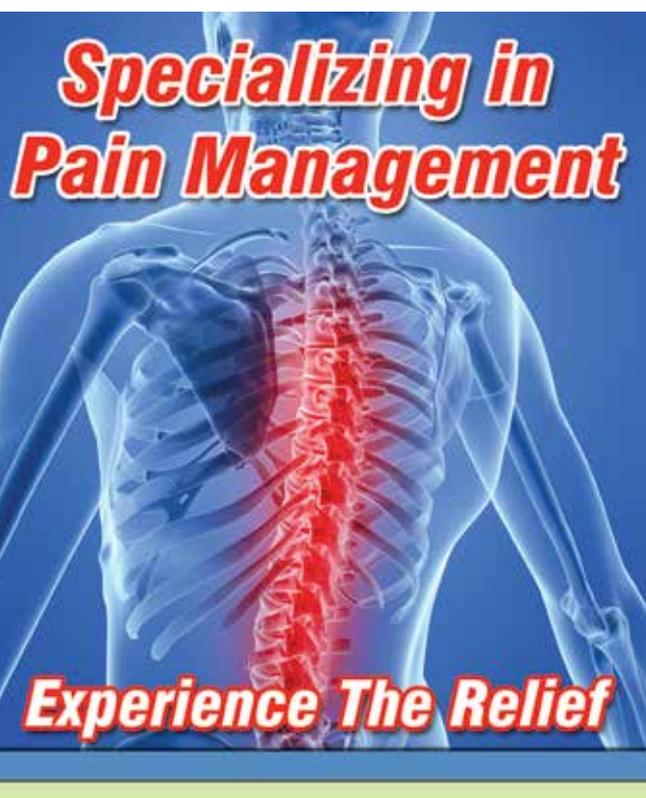
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