

BIC Adopted Incubation Process

Details about current startups physically incubated at the BIC.						
Sr. No.	Name of Startup	Idea	Team Member(s)	Sector / Field	Incubated Since	Expected Graduation
1	SMART Hybrid E Bicycle	Design & development of a 3 way chargeable E bicycle i.e: from electric power, pedaling & solar power. Also, to add smart features mainly, security feature for tracking and alarm alerts in a scenario if the bicycle gets displaced. Moreover, a connected app will also be given to monitor parameters of the bicycle.	Zaheer Uddin Shaikh D-19F-ES-07 Muhammad Usman Mazhar D-19F-ES-15 Aurangzaib Khan D-19F-ES-55	Technological Innovation & Manufacturing	2023	2023
2	Non Fungible Tickets	Non Fungible Tickets is a startup that offers event tickets in the form of non-fungible tokens (NFTs) for increased security and verifiability, as well as the ability to offer attendees a digital collectible.	NA	Sustainable Finance	2023	2023
3	Wyntrition	WYNTRITION is a service-based company that provides nutritional education, diet and nutrition plans, one on one training solutions, and connects coaches to company-fetched clients.	Ahmed Akmal Machine learning engineer	Biotechnology and Health	2023	2023
4	Fuelomatic Biofuel Solution	We want to establish a business in green technology and want to make biomass pellets and biogas as alternate fossil fuels.	Waqas Riaz (co-founder), Jaweria Anwer (social media marketing), Muhammad Ahmed (assistant)	Technological Innovation & Manufacturing	2023	2023
5	KayDrive	Itâ€™s a shared learning platform	Hareem Zoya	Technological Innovation & Manufacturing	2023	2023
6	Sun Bake	Solar mold recycled plastic into useable product for manufacturing or direct consumers.	Hamza Ahmed 20212-29064 Zarbab Hameed Khan 20212-29068 Faizan Khan 20202-26935	Technological Innovation & Manufacturing	2023	2023
7	PetCare	PetCare will be an all-in-one Pet food and healthcare application, where you can order pet food and medicines. Besides this, I aimed to build a module in the application by which you can book vet appointments so do have to compromise your petâ€™s health in any way.	Shaista Naz (CS-061)	Convenience through Consumer Markets	2023	2023

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8	Smart Photovoltaic (PV) Panel Cleaning Mechanism	<p>Dust accumulation on photovoltaic (PV) panels can significantly reduce their power output and cause damage over time. To maintain the performance and efficiency of PV panels, it is important to regularly clean them. In this project, we propose the development of a smart PV panel cleaning mechanism that utilizes artificial intelligence (AI) and the Internet of Things (IoT) to automate and improve the cleaning process. The proposed cleaning mechanism will consist of a robotic platform to remove dust and other particles from the surface of the PV panels, with AI used to capture and analyze images to determine the level of dust accumulation and IoT used for remote monitoring and control.</p>	<p>Muhammad Suleman Saeed (ME-158) Muhammad Danish Khan (ME-139) Abdul Rafay Haider Khan (ME-103) Muhammad Ahmad Khan (ME-102) NED Final Year Students - Mechanical Engineering Department.</p>	Technological Innovation & Manufacturing	2023	2023
9	IoT based Small-Scale Solar Desalination System	<p>The development of a small-scale solar desalination system using IoT technology in Pakistan would address the country's water crisis and improve access to clean drinking water. The system would utilize solar energy to purify seawater or brackish water and be remotely monitored and controlled using IoT technology. It would provide a reliable source of clean water in areas where water is scarce, reduce reliance on fossil fuels, and enable remote monitoring and maintenance, lowering overall costs. Deployment of the system in various settings, including rural communities, hospitals, and public facilities, as well as for disaster relief, would greatly improve access to clean drinking water in Pakistan and address the challenges of water scarcity.</p>	<p>Abdul Wahab Anwar (ME-19136) Anus Ahmed (ME-19150) Nihal Ahmed (ME-19157) Muhammad Junaid (ME-19170) Final Year Students - Mechanical Engineering Department</p>	Technological Innovation & Manufacturing	2023	2023

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10	KrunchSales	Our product focuses on lead management; leads are generated when a company is approached by clients via any means. The sales team then acts on these leads to sell the product. Empowering the sales team is our core purpose. Our product will capture all leads. If the client comes in person, a walk-in manual entry with a single click can enter the lead, and if the lead comes via Ad-Posting on Facebook, LinkedIn, or Instagram, or via private messaging on WhatsApp and Facebook, the lead generates automatically in our product through linking. It also helps in managing the leads and reduces the chances of stealing the leads.	Syed Muhammad Taha (CS-19040)	Technological Innovation & Manufacturing	2023	2023
11	Agro-chain	To account transparency limitations in Pakistan's agricultural supply chain network, we have proposed a simple solution i.e implementing the key features of blockchain and smart contracts, deployed over ethereum blockchain network. Agro-chain provides a service-based solution. This web based tool will help the intended users/stakeholders of the system to have a transparent view of the overall process. Agro-chain is a blockchain revolutionized integrated supplychain model.	Izma Qamar SE-19003, Undergraduate student, NED university. Mateen Brohi SE-19035, Undergraduate student, NED university. Abdullah Saleem SE-19042, Undergraduate student, NED university.	Agriculture Technology	2023	2023
12	Meme For Kids - Ù...ÛÙ Û...ÛÙ	Meme For Kids - Û...ÛÙ Û...ÛÙ is here to instill a love for learning amongst elementary and primary school kids and aspire to engage early childhood education methods to help teachers and parents via a convenient online platform.		Digital Innovation and Agile Development	2023	2023

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13	Cruze	Cruze is a lifestyle application working on a communal model; bringing up people of the same interest together and resolving their complications. Carpooling is the foremost problem Cruze will be catering. But as time passes by, Cruze will be overlooking several other conditional hitches.	1. Umer Noman Khan (NED Batch 2018 - CMO) ME-18046 2. Ali Murtaza (NED Batch 2020 - CTO) 3. Kanwal Saleem - COO 4. Sharjeel Sajjad - CFO 5. Momina Munir - CCO	Digital Innovation and Agile Development	2023	2023
14	Homies	A platform that allows people to find roommates of their liking and at affordable rates.		Digital Innovation and Agile Development	2023	2023
15	HotspotHub	We are creating an application that allows users to share WiFi internet securely with other users in exchange of money, using our smart IOT based routers. This will benefit the economy by significantly reducing internet costs and allowing sharers to turn their WiFi routers into income-generating devices. This application has the potential to solve all kinds of issues related to internet cost and availability. Our Business Model is commission based which is highly lucrative and is capable of benefitting the society, feel free to contact us for any further details.	Ahab Ali Khan (CT-19026) Ali Rafay Bhojani (CT-19032) Ibtesam Shakil Ansari (CT-19048) Muhammad Jazib Nasir (CT-19049) Project Advisor: Dr. Muhammad Faraz Hyder (Assistant Professor, Software Engineering)	Digital Innovation and Agile Development	2023	2023
16	IoT Switch	IoT switch is just a ON/OFF Switch that will show a binary status of anything associated with the switch. IoT is connected with GPS which provides the accurate location (upto 5 meters error chance) to the main server. All IoT switches are connected with the main server where the data of multiple IoT switches is compressed and shown on a map. There are vast areas of applications where IoT Switch may be deployed. One area includes supply chain management.	Syed Yasir Mustafa Naqvi, Lab Technician, Department of Computer and Information Systems Engineering, NED University of Engineering and Technology, Adeel Moiz, Graduate of Physics Department, NED University of Engineering and Technology, Pardeep Kumar, Graduate of Physics Department, NED University of Engineering and Technology.	Digital Innovation and Agile Development	2023	2023

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17	A Blockchain based Data Privacy Protection and Sharing for Electronic Medical Records	<p>We are developing a blockchain based system for storing patient's medical data. Currently, EMRs are being used which are either centralized or managed by a third party therefore they are facing a lot of security and privacy threats also as these EMRs are private to each hospital the data of a patient is scattered across various hospitals and with the lack of interoperability the patients have to go through unnecessary procedures. We are proposing a system that can solve all these issues with the help of blockchain because it provides a ledger system that cannot be tampered, and all the transactions are carried out in a decentralized way therefore it improves the trust, security, transparency and traceability of data sharing in EMR.</p>	<p>Name: Ghaniya Agha Waseem Roll No.: CT-19008 Department: Computer Science and Information Technology Organization: NED University of Engineering and Technology</p> <p>Name: Hafsa Asif Roll No.: CT-19017 Department: Computer Science and Information Technology Organization: NED University of Engineering and Technology</p>	Technological Innovation & Manufacturing	2023	2023
18	Ecommerce platform using sentiment analysis	<p>We are introducing the Ecommerce platform where customer can get previous customer feedback sentiment analysis with in website as well on social media accounts and star rating prediction as well as recommendation system which can help them in buying quality products and as sellers, we can also get the over all customer response on products and can make better business strategies for improvements and marketing for those products.in future we are also looking forward to virtual shops for the products on our website and application</p>	Ms. Alina Baber, CEO, Alphatron Technologies	Convenience through Consumer Markets	2023	2023
19	Wear-TO	<p>Wear-TO is an easy-to-use wearable trunk orthosis that is used to provide safe mobility to seated persons. It has a unique spring-based mechanical design that is mountable on any wheelchair. The Wear-TO enables its users to perform daily activities with more confidence and independence.</p>	Dr. Muhammad Abul Hasan, Associate Professor	Biotechnology and Health	2023	2023

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Details about startups virtually incubated at the BIC.						
Sr. No.	Name of Startup	Idea	Team Member(s)	Sector / Field	Incubated Since	Expected Graduation
1	Ndeevors	The idea is to provide a sustainable online source of income and ease the developer's hassle to look for projects and then deploy it. We'll work as their sales and marketing team so that they can focus on the development side.	Mahnoor Asif (Founder)	Sustainable Finance	2023	2023
2	Ecosound	Reduce the usage of vehicle horns with low frequency and low amplitude waves so that it wont make noise pollution (only for vehicle-vehicle signal transmission)	Umair Lafir. Computer science Department (NED University)	Technological Innovation & Manufacturing	2023	2023
3	Food preservation through canning	Fruit and vegetables have price variation depending on season. In peak season, these products are being wasted in large quantities. The wastage of fruit and vegetables can be reduced through canning of these product. The canned products can be used in off season, can be used to build stockpiles and can be exported to foreign countries to generate revenue	N/A	Convenience through Consumer Markets	2023	2023
4	Plant Disease Detection Using Satellite Imagery	As agriculture constitutes as the majority of the GDP and exports of Pakistan, we plan to combine it with the new technologies emerging in computer science by a concept termed as Smart Farming. Plants will be monitored through sensors and satellites and the presence or emergence of any diseases in the crops will be identified using deep learning algorithms and notified to the farmers so they can take necessary steps to prevent spoiling of the complete crop yield.	Laiba Sohail (SE-19303), Murtaza Mustafa (SE-19304), Zunaira Hasnain (SE-19072)	Agriculture Technology	2023	2023
5	Business Start-Up Name "BanoSoft Technologies"	"BanoSoft Technologies" is a Women-Led "Digital Marketing Agency" in the making (Initial Stage), basically a Business "StartUp" Idea, to be launched in 6-8 months time, based in Karachi-Pakistan & soon opening physical Head Office in Pakistan, starting from Karachi, then further upscaling by opening more branches in all the major cities of Pakistan, then worldwide, in the next 3 to 5 years, after incubations' completion (i.e.) if selected in this programme. Our Niche is providing one-to-one business consultancy and continued support to the new micro entrepreneurs (i.e.) women-led tech-enabled (online home-based) business start-ups in the Local & International Markets, with minimal operational costs, in the post-pandemic scenario, as our vision is "Women Financial Empowerment".	Team Member: Ms. Maryam Shams (My IBA University's class fellow, Digital Marketing Diploma 2022) and further team building is in-process!	Other	2023	2023

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6	Law cases categorization	Production of an AI based model which categorizes your problem into law words and tells you about how you can solve legal problems. Tells you category of your problem so you don't have to do It yourself	Dania Atif (BAI-21S-005)	Other	2023	2023
7	Fire Brigade Mobile Application	We will be automating the manual process of calling a fire brigade. We will allow the user to track the driver as well as driver to track the user's location. We will also be providing chatbot facility for safety precautions if fire caught in a place.	Asad Ali Khan (SE-19056, NED) Bushra Asif (SE-19064, NED) Syeda Khadeeja Naqvi (SE-19074, NED)	Biotechnology and Health	2023	2023

Details about members of the Startups/Cohort Selection Committee						
Sr. No.	Name	Designation	Parent / Institution Organization	Sector / Field	Role / Status in Committee	Member Since
1	Dr Riaz uddin	Director ORIC, Associate Professor	NEDUET	Robotics	Chairman and Member	Dec-20
2	Dr Faizan Raza	Manager R & D, Associate Professor	NEDUET	Chemical Engg.	Member	Mar-22
3	Dr Ashar Ahmed	Manager IP & LS, Asst. Prof.	NEDUET	Urban and Civil Engg.	Member	Mar-22
4	Dr Muhammad Fahim ul Haque	Asst. Professor	NEDUET	Electronic and Communication	Member	Mar-22
5	Ms Hira Wajahat Malik	Project Manager Stimulus	Stimulus	Project Management	Member	Mar-22
6	Mr. Azfar Hussain	Manager NIC	NIC Karachi, LMKT	Incubator and Business Management	Member	Mar-22
7	Mr. Waheed Khizer	Asst. director, HEC	HEC Islamabad	HEC	Member	Mar-22
8	Dr. Sundus Ali	Manager BIC, Asst. Professor	NEDUET	Communication	Member and Secretary	Mar-22

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Details about members of the BIC Steering / Corporate Advisory Committee						
Sr. No.	Name	Designation	Parent / Institution Organization	Sector / Field	Role / Status in Committee	Member Since
1	Prof. Dr. Sarosh Hashmat Lodi	Vice-Chancellor, NEDUET	NEDUET	Research and Academics	Chairman and Member	Jun-22
2	Asim Murtaza Khan	Chairman PPL & President NED International Alumni Network (NEDIAN)	PPL	Engineering	Co-Chairman and Member	Jun-22
3	Prof. Dr. Muhammad Tufail	Pro Vice-Chancellor, NEDUET	NEDUET	Research and Academics	Vice Chairman and Member	Jun-22
4	Prof. Dr. Saad Ahmed Qazi	Meritorious Professor	NEDUET	Research and Academics	Member	Jun-22
5	Muhammad Sajeeruddin	Director Finance	NEDUET	Finance	Member	Jun-22
6	Dr. Riaz Uddin	Director ORIC	NEDUET	Research and Academics	Member	Jun-22
7	Abbas Sajid	CEO, Engineering Services	Engineering Services	Engineering	Member	Jun-22
8	Syed Azfar Hussain	Program Manager NIC Karachi	NIC, LMKT	Business Management	Member	Jun-22
9	Syed Faizan Pasha	Director and Co-founder Heuser	Heuser	Engineering	Member	Jun-22
10	Muhammad Taha Riaz	Director Medicare	Medicare	Engineering	Member	Jun-22
11	Anas Khalid	Software Engineer, Contour	Contour	Software/IT	Member	Jun-22
12	Dr. Sundus Ali	Manager BIC	NEDUET	Research and Academics	Secretary	Jun-22

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Details about the Startup Business Plan / Pitching Competition / Bootcamps Held for the Year 2022-2023						
Sr. No.	Name of Event	Date Held	Panelist Details	Ideas Applied	Ideas Selected	Event Funding Sources & Sponsors
1	Entrepreneurship Coaching	16th August 2022	Mr. Shaikh Hammad Amjad	7	7	BIC and NEDUET
2	Innovator Seed Fund Bootcamp	22nd and 23rd February 2023	Dr. Sundus Ali, Dr. Riaz uddin, Engr. Hira Wajahat Malik, Mr. Waheed Khizar	10	10	BIC and NEDUET
3	UNIDO PAIDAAR Training of Cluster Development Agents (CDAs)	February 2023-March 2023 (three weeks)	Mr. Vedat Kunt, Mr. Peter Anthony Hurst	30	30	CCEE and BIC NEDUET

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Details of mentoring provided to Startups by University Faculty						
Sr. No.	Name of Mentor	Designation	Field / Area	No. of Mentoring Lectures Provided	No. of Startups Facilitated	Cost per Mentoring Hour Charged (if any)
1	Prof. Dr Saad Ahmed Qazi	Meritorious Professor, PI, NCAI, NueroComputation Lab	DSP and EdTech	9	1	Monthly
2	Dr. Hashim Raza	Associate Professor, co-PI, NCAI, NueroComputation Lab	Electronics	12	2	Monthly
3	Dr. Farrukh Arif	Associate Professor, PI, Virtual Reality Center	Civil Engg and VR	12	1	Monthly
4	Prof. Dr. Muhammad Ali Ismail	Professor, PI NCBC	Cloud Computing and Big Data	10	2	Monthly
5	Dr. Riaz uddin	Associate Professor, PI, Haptics Lab, NCRA	Robotics	12	3	Monthly
6	Prof. Dr. Muhammad Khurram	Professor, PI, Smart City Lab, NCAI	AgriTech	12	2	Monthly
7	Dr. Maria Andaleeb	Assitant Professor	Software Engineering	15	2	Monthly
8	Prof. Dr. Bilal Zahid	Professor	Textile	10	1	Monthly
9	Dr. Saad Qasim	Assistant Professor	Computer Engg./ Computer Vision	12	1	Monthly

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Details of mentoring provided to Startups by Corporate, Industry, Chambers / Other Professional Body Members.							
Sr. No.	Name of Mentor	Designation	Organization	Field / Area	No. of Mentoring Sessions Provided	No. of Startups Facilitated	Cost per Mentoring Hour Charged
1	Mr. Shaikh Hammad Amjad	Vice president	Nipon	Entrepreneurship and Business Incubation	4	7	in kind
2	Ms. Shafaq	Manager	SMEDA	Legalaties in Business	1	15	in kind
3	Mr. Mukesh Kumar	Provincial Chief Sindh	SMEDA	Business Funding oppurtunities for Youth	1	15	in kind
4	Engr. Hira Wajahat Malik	Project Manager Stimulus	Stimulus	Business Growth and Market Sizing	2	10	in kind
5	Ms. Tehreem Shakeel,	CEO, BEETEE	BEETEE	Business Modeling and Team Building	2	15	in kind
6	Mr. Furqan Kidwai	CEO YPAY	Ypay	Financial models	2	15	in kind
7	Mr. Muhammad Uzair	Senior Manager	SMEDA	SME sector growth	3	25	in kind
8	Mr. Ahmed Siddiqui	Head of Shariah Complainece	Meezan Bank	Financial Ethics	2	10	in kind