

S#	Project Code	Project Title	PI Information	Industrial Partner
1.	TDF03-001	Commercialization And Enhancement Of Aircraft In-Flight Loads Computer Software	Dr. Hafiz Adnan Habib, Chairman CS, Associate Professor (BPS-19), Computer Science, UET Taxila.	Dr. Shoab A. Khan, Centre of Advanced Research in Engineering - CARE Pvt Ltd Islamabad.
2.	TDF03-003	Efficient Cultivation And Sustainable Production Of Sugarcane Through Mechanization And Entrepreneurship By Budchips/Budnodes Seed Industry	Dr. Abdul Rehman, Assistant Professor (BPS-19), Agronomy, UO Sargodha.	Mr. Hajji Abdul Razzaq, Diamond Agricultural Industry Near Railway Crossing, Sargodha.
3.	TDF03-006	Development Of Lateral Flow Strip And Dipstick To Detect Anti-Infectious Bursal Disease Virus Antibodies In Chicken For Disease Diagnosis And Monitoring Of Post-Vaccination Immune Response	Dr. Moazur Rahman, Principal Scientist, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad.	Dr. Farhan Bukhari, M Enterprises, Karachi
4.	TDF03-013	Development Of Inexpensive, User Friendly Water Alert Test Kit To Detect Harmful Bacteria	Prof Dr Robina Farooq, Head of Chemistry Department, COMSATS University Islamabad, Lahore campus.	Mr. Abdul Ala Khurram, Water Care Services, Lahore.
5.	TDF03-017	Design And Production Of Scientific Equipment For Physics Teaching And Research	Dr. Muhammad Sabieh Anwar, Associate Professor, Physics, LUMS Lahore.	Mr. Muhammad Usama, Usman Engineers, Gujranwala.
6.	TDF03-028	IoT Based Air Quality Monitoring System With Smart Dashboards	Dr. Muhammad Khalid Khan, Associate Professor, College of Computing and Information Sciences, PAF-KIET Karachi.	Mr. Humayoun Qureshi, DataLog, Karachi, Pakistan
7.	TDF03-029	Up-Scaling Stabilized Aloe Vera Juice Production And Its Commercialization	Dr. Shabnam Javed, Chemistry, Assistant Professor (BPS-19), Chemistry, Centre for Undergraduate Studies, Punjab University Lahore.	Mr. SHAHID SAMEER ,NS Engineering Concern, Lahore

8.	TDF03-031	Beyond Data	Dr. Seemab Latif, Assistant Professor, Department of Computing, SEECS-NUST Islamabad	Mr. Fateh Khan Malik, Falki Capital (Pvt) Ltd.
9.	TDF03-037	Development And Upscaling Of Indigenized Anaerobic Digester For The Biotransformation Of Textile Sludge Into The Production Of Biogas And Biocompost	Prof. Dr. Rasool Bux Mahar, Professor Environmental Engineering, US. Pakistan Center for Advance Studies in Water, Mehran University of Engineering and Technology Jamshoro.	Mr. Muhammad Habib Ahmed , Rahim Textile Industries
10.	TDF03-040	Design and Fabrication of a Safe and Smart Motorcycle Helmet	Dr. Hafiz Adnan Habib, Chairman CS, Associate Professor (BPS-19), Computer Science, UET Taxila.	Mr. Ali Syed, Lets Innovate, Islamabad Pakistan
11.	TDF03-045	Development Of A Textile-Based Vest For Vital Signs Monitoring	Dr. Abher Rasheed, Assistant Professor (TTS-19), Garment Manufacturing, NTU Faisalabad	Mr. Aziz Ahmad, Haizum Hitech Textiles, Lahore
12.	TDF03-047	Development of silk sericin based antimicrobial agent to replace synthetic antimicrobial agents used in textile and leather industry	Dr. Hafiz Muhammad Tahir, Chairperson & Associate Professor, Department of Zoology, GC University, Lahore.	Mr. Muhammad Khalid Siddiqui, Siddiqui and Brothers Chemical, Lahore
13.	TDF03-054	Condition Monitoring And Predictive Maintenance Of Fighter Aircraft Hydraulic System Using Machine Learning Algorithms	Dr. Tanvir Ahmad, Assistant Professor, Head of Department, Energy Management and Sustainability, USPCASE, UET Peshawar.	Dr. Manzar Abbas, Avionics Development Institute, AvDI, PAC Kamra
14.	TDF03-056	Development Of Smart Socks For Measuring Number Of Calories Burnt	Dr. Syed Talha Ali Hamdani, Assistant Professor, TTS-19, Weaving, NTU Faisalabad	Mr. Husnain Yousaf, Jamal Fabrics
15.	TDF03-057	Development Of First Drug Candidate From Pakistan For The Treatment Of Epilepsy And Other Central Nervous System Disorders	Prof. Dr. Farzana Shaheen, Organic Chemistry, Professor, Chemistry, ICCBS, University of Karachi.	Dr. Syed Imtiaz Haider ,The Searle Company Limited

16.	TDF03-067	Design And Analysis Of Novel Three Phase Hybrid Excited Linear Flux Switching machine For Advanced Electric Power Train	Dr. Faisal Khan, Assistant Professor (BPS-19), Electrical Engineering Department, COMSATS University Islamabad.	Mr. Faran Ullah, AK Pups Company (Private) Limited, Peshawar, Pakistan.
17.	TDF03-080	Mle30: A Miracle Bio Stimulant	Dr. Azra Yasmeen Associate Professor (BPS-20), Agronomy, BZU Multan	Mushtaq Ahmed, HEXON Chemicals Pvt Ltd
18.	TDF03-082	Quantitative Gmo Detection Of Rice For Compliance Of International Trade Requirements	Dr. Muhammad Asif (Principal Scientist/ Associate Professor, SPS-10/ BPS-19), Agricultural Biotechnology Division/ Biotechnology Department, PIEAS Islamabad	Ch. Samee Ullah Naeem, Rice Exporters Association of Pakistan (REAP)
19.	TDF03-084	Peekafood – A Digital Menu For Restaurants Based Augmented Reality And Artificial Intelligence	Dr. Osman Hasan, Assistant Professor (BPS-19), Electrical Engineering, SEecs NUST Islamabad.	Mr. Najm Us Saqib Bajwa, NuqtaSol
20.	TDF03-087	Indigenous Development Of Smart, Safe & Comfortable (S2C) Helmets For Civil And Combat Applications	Dr. Yasir Nawab, Assistant Professor (BPS-19), Polymer Engineering, NTU Islamabad.	Mr. Taqerrub Raza Sayeed, iTextiles Pvt. Ltd. Karachi and TM Rubber Private Limited, Lahore.
21.	TDF03-090	Development Of Low-Cost Living Green Walls Technology For Air Cleaning, Food Security And Aesthetic Gratification Urban Areas Of Pakistan	Dr. Aamir Nawaz, Associate Professor and Chairman, (BPS-20), Department of Horticulture, BZU Multan	Mr. Tariq Tanveer, Agri-Tourism Development Corporation of Pakistan
22.	TDF03-097	Development Of A Scalable Heterogeneous Supercomputer	Dr. Tassadaq Hussain Assistant Professor, FEAS, Riphah University Islamabad.	Miss Amna Haider, Unal Color of Education Research and Development Private Limited Islamabad
23.	TDF03-103	Development Of Textile Based Smart Sensor For Human Health Monitoring	Dr. Zulfiqar Ahmad Rehan, Assistant Professor, Department of Polymer Engineering, NTU Islamabad	Mr. Hasham Khan, Hansa Leather Garments

24.	TDF03-106	Development Of Durable, Light Weight And Smart Luggage Bags From Composite Materials	Dr. Khubab Shaker, Weaving Dept, NTU Faisalabad	Mr. Muhammad Badar Munir, Anwar Khawaja Composites Sialkot.
25.	TDF03-111	Development Of Low Cost And Sustainable Nonwoven Fabric Filters To Improve The Quality Of Intake Air By Humans And Machines	Dr. Ahsan Nazir, Assistant Professor, BPS-19, Department of Textile Processing, NTU Faisalabad	Mr. Abid Omar, Syntech Fibers (Pvt.) Ltd.
26.	TDF03-112	Functional, Light Weight, Durable And High Strength Detachable Composite Furniture For Indoor And Outdoor Use	Dr. Muhammad Umair, Lecturer (BPS-18), Weaving Dept, NTU Faisalabad.	Mr. Muhammad Badar Munir, Anwar Khawaja Composites Sialkot.
27.	TDF03-127	Portable X Ray Illuminator With Camera Interface And Optical Filters	Engr. Dr. Zia Mohy Ud Din, Biomedical Engineering, Associate Professor (BPS-20), Biomedical Engineering Department, SSUET, Karachi.	Mr. Yousuf Khan, WinMed Industries, Karachi
28.	TDF03-128	Development Of Herbal Health Supplements For The Management Of Parkinson'S Disease	Prof. Dr. Muhammad Iqbal Choudhary H. I., S. I., T. I. Distinguished National Professor/Director: ICCBS, University of Karachi.	Mr. Syed Imtiaz Haider, The Searle Company Limited ,Karachi ,Pakistan
29.	TDF03-132	Introduction Of Innovative In-Pond Raceway System Technology To Improve Aquaculture Production In Sustainable And Economical Way In Pakistan	Dr. Shafaq Fatima , Assistant Professor, Lahore College For Women University, Lahore.	Mr. Kamran Maqsood , Super Punjab Feed and Farms, Multan and SoyPak, Karachi
30.	TDF03-138	Micro propagation Of Commercially Important Ornamental Plants	Dr. Syeda Kahkashan kazmi, Biotechnology, Assistant Professor, Jinnah University for Women Karachi.	Juw start up project, Jinnah university for women, Karachi
31.	TDF03-144	Early Disease Detection In Fruit Plants Using Deep Learning	Dr. Bilal Jan, Computer Science, Assistant Professor (BPS-19), FATA University Kohat.	Mr. Sajid Ur Rehman, Eveati (Pvt) Ltd , Islamabad

32.	TDF03-146	Development Of Microwave Assisted Sustainable Extraction Cum Drying Technique For Fruits/Vegetables Preservation	Dr. Muhammad Kashif Iqbal Khan, Food Engineering, Assistant Professor (TTS-19), University of Agriculture Faisalabad.	Engr. Rehan Akmal, HotTek, Faisalabad
33.	TDF03-149	Development Of Comfortable Compression Socks For Treatment Of Varicose Veins Or Chronic Venous Disease In Legs	Dr Hafsa Jamshaid, Assistant Professor, Chairperson Knitting, NTU Faisalabad.	Mr. Saqib Nisar, Sockoye, Lahore.
34.	TDF03-150	Post-Mortem Aging Technology: A Way To Improve Nutritional And Sensorial Quality Of Meat	Dr. Muhammad Issa Khan, National Institute of Food Science and Technology, Associate Professor (BPS-20), University of Agriculture Faisalabad.	Mr. Nasib Ahmed Saifi, Anis Associates Meat Processing Unit
35.	TDF03-151	Technology Development For Industrial Production Of Mango Kernel Oil	Dr. Saeed Akhtar, Associate Professor (Tenured) (BS-20), Director Institute of Food Science & Nutrition, BZU Multan.	Mr. Sheikh Ahsan Rashid, Hafeez Ghee & General Mills (Pvt.) Ltd.
36.	TDF03-154	Pilot Scale Generation Of Epichlorohydrin From Glycerin: A Key Step Towards Value Added Products	Dr. Muhammad Abid Rashid, Chemistry, Assistant Professor (TTS-19), Chemistry, University of Agriculture Faisalabad.	Mr. Ebrahim Zulfiqar, Ressichem International, D-83. SITE, Karachi, Pakistan
37.	TDF03-160	Breast Care – Design And Development Of Low-Cost And Safe Microwave Imaging System For Early Breast Cancer Screening At Gp Clinics And Hospitals	Dr Muhammad Zubair, Assistant Professor, Department of Electrical Engineering, Information Technology University Lahore.	Dr. Shehla Javed Akram , Akram Medical Complex PVT Limited, Lahore
38.	TDF03-169	Motorway To Safety: Design And Development Of An Intelligent System For Active Traffic Management And Efficient Law Enforcement On National Highways And Motorways	Dr. Zubair Khalid, Assistant Professor, Lahore University of Management Sciences (LUMS) Lahore.	Start-up Company Registered , Digital Transformation Centre of Excellence (pvt) Limited.

39.	TDF03-171	Plug And Play microgrid Interface Kit For Standalone Solar Pv And Ups Backup Systems	Dr. Hassan Abbas Khan, Assistant Professor of Electrical Engineering, LUMS Lahore.	Mr. Jeremy Higgs, EcoEnergy Pvt Ltd.
40.	TDF03-172	In Vitro Macro And Micro Propagation Of Allantoin (From Shrub) For Commercialization To Cosmetic Industry	Dr. Nusrat Shafiq, Assistant Professor BPS-19, Chemistry, GCWU, Faisalabad.	Mr. Moazzam Rasheed, Bin Rasheed colors and chemical manufacturing Industry.
41.	TDF03-183	Development Of Real-Time Quantitative Pcr Based Ready To Use Kits For The Detection Of Important Viral Diseases Of Poultry Industry	Dr. Imran Amin, NIBGE Faisalabad.	Dr. Farhan Bukhari, UM Enterprises, Karachi
42.	TDF03-184	Design And Development Of A Wearable Continuous Glucose Monitoring System For Diabetes Patients	Dr. Safee Ullah Chaudhary, Bio & Brain Engineering, Assistant Professor (BPS-19), Biology, LUMS Lahore.	Mr. Farrukh Usman, Byonyks, Lahore
43.	TDF03-185	Development Of An Enriched Composite Bio-Organic Fertilizer "Bio-Cowpostsuper" From Cow Waste	Dr. Asma Imran, PS, NIBGE Faisalabad.	Mr. Shabbir Hussain Chawla, Chawla Dairy Farms
44.	TDF03-198	Process Development For Industrial Scale Cleaning Of Aflatoxins From Rice Through Ultraviolet Irradiation	Dr Mazhar Iqbal, Principal Scientist & Group Leader, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad.	Mr. Zahid W. Khawaja, AGROCO, Lahore.
45.	TDF03-199	Exploiting Sugarcane Tissue Culture Technology To Support Famers And Sugar Industry By Provision Of Disease Free Sugarcane Seedling.	Prof. Dr. Zulfiqar Ali, Professor, Institute of plant breeding and biotechnology MNSUAM	Mr. Syed Ahmad Raza, Alternative Energy Technologies, Lahore

46.	TDF03-206	T-Eye: Threat Intelligence Platform	Dr. Masoom Alam, , Associate Professor (BPS-20), Computer Sciences, COMSATS University Islamabad.	Mr. Mahir Mohsin Sheikh,Trillium Information Security Systems, Rawalpindi
47.	TDF03-211	Eye Smart Helmet	Dr. Waheed Noor, Computer Science, Assistant Professor (BPS-19), UO Balochistan	Mr. Ali Gul, Gul Technology Pvt Limited, Quetta Pakistan
48.	TDF03-213	Development of Bio-Yogurt Using Fruits And Probiotics	Dr. Saima Rafiq, Department of Food Science and Technology , Assistant Professor (BPS-19), UO Poonch, Rawlakot	Mr. Muhammad Shahzad Rasheed, ACHHA FOODS Pvt Ltd Lahore
49.	TDF03-214	To Develop And Install A Prototype Hydro-Powered Water Pump And Electricity Generator	Dr. Manzoor Ali, Physics, Assistant Professor (BPS-19), KIU Gilgit.	Mr. Hayat Baig, Baig & Baigs Engineering Company Gilgit.
50.	TDF03-215	X-Band Rf Frontends For Airborne Aesa Radar	Dr. Hammad M. Cheema, Assistant Professor, Research Institute for Microwave and Millimeter-Wave Studies (RIMMS), NUST, Islamabad.	Mr. Tahir Abbas,RWR (Pvt.) Ltd, Islamabad
51.	TDF03-219	Smart Traffic Profiling For Intelligent Road Transportation	Dr. Shahzor Ahmad, Assistant Professor, Dept. of Electrical Engineering, College of E&ME, NUST Islamabad.	Dr. Mansoor Shaukat, Technology Spirits, Nayatel Islamabad
52.	TDF03-226	Design And Development Of Vacuum Forming Machine	Dr. Mian Ashfaq Ali, Assistant Professor, School of Mechanical and Manufacturing Engineering (SMME) NUST H-12 Islamabad.	Mr. Fiaz Kiani ,Glow Sign

53.	TDF03-230	An Automated Machine Learning Based Solar Powered Aquaponics System (TDF02-178) Invite PI & Team to work closely to develop better project)	Dr. Noshewan Shoaib, Department of Electrical Engineering, Assistant Professor (BPS-19), Research Institute for Microwave and Millimeter-Wave Studies (RIMMS), NUST Islamabad.	Mr. M. Tahir Qaseem, Yoniflora®, Islamabad, Pakistan.
54.	TDF03-239	Implementation Of Our Prototype Elisa Test For Screening Blood Samples Of Man And Food Animals	Dr. Muhammad Imran Rashid, Parasitology, Professor (BPS-21), Department of Parasitology, UVAS Lahore.	Mr. Taj -Ud-Din Shad, Ali Trading Corporation, Lahore.
55.	TDF03-240	Showcasing R&D efforts in Pakistan with special reference to positive image building of the Higher Education Institutions	Dr. Wajid Zulqarnain, Program Manager, Assistant Professor (BPS-19), Media Sciences, SZABIST Islamabad.	Mr. Farooq Rao ,PTV NEWS, Lahore Pakistan
56.	TDF03-247	Design, Development And Production Of Hardware Based Gel Documentation System For Dna, Rna And Protiens Analysis	Dr. Shujjaat Khan, Senior Assistant Professor, Computer Engineering, Bahria University, Karachi.	Dr. Ibrar Ahmad, Alpha Genomics PVT Ltd, Islamabad
57.	TDF03-249	Automation Of Real Estate Business Processes Engineering Using Map Personalization And Recommendation	Dr. Muhammad Ali Tahir, Assistant Professor, Geoinformatics IGIS-SCEE-NUST Islamabad.	Ms. Fizza Waqar, GIS Plus Total Solutions Pvt. Ltd.
58.	TDF03-253	Development Of Ir Camouflage Shelters Utilizing Baluchi Wool Based Composites	Dr. Syed Zameer UI Hassan, Textile Engineering, Associate Professor (BPS-20), BUIITEMS Quetta.	Mr. Marcel Stallen, Food & Agriculture Organization of the United Nations.
59.	TDF03-257	Value Addition For Local Artificial Jewelry Industry Through Electroplating Process Optimization	Dr. Salman Noshear Arshad, Assistant Professor, Department of Chemistry and Chemical Engineering, LUMS Lahore.	Mr. Rasheed Ray, Mr. Tanveer Ahmad, Ray Gold Pakistan & Oxford Jewelers.

60.	TDF03-260	Defender: Hardware Trojan Resilient Processor Core	Dr. Waqar Ahmad, Assistant Professor (BPS-19), Computer Engineering Department, UET Taxila.	Dr. Muhammad Yasir Qadri, NESCOM, Islamabad.
61.	TDF03-262	Low Cost Production Of Probiotic As Supplement For Poultry Feed	Dr. Muhammad Nauman Aftab, Associate Professor (BPS-20), Institute of Industrial Biotechnology, GCU, Lahore	Dr. Muhammad Arshad, Hi-Tech Feeds (Pvt) Ltd
62.	TDF03-265	Industry 4.0 Process Virtualization System	Dr. Ali Hassan, Assistant Professor & Associate Head of Department, Computer Science, NUST Islamabad.	Mr. Ali Haider Arif, Agilitron (Pvt) Limited
63.	TDF03-266	Commercialization Of Bio fertilizers For Sustainable Production Of Legumes And Cereals	Dr. Zahir Ahmad Zahir, Professor, Institute of Soil & Environmental Sciences, UA Faisalabad.	Dr. Maqbool Akhtar, Jaffer Brothers Pvt Ltd.
64.	TDF03-267	Design And Development Of Multilayered Armour Protection System	Dr. Aamir Mubashar, Mechanical Engineering, Associate Professor, BPS-20, Department of Mechanical Engineering, NUST Islamabad.	Dr Waheed Ul Haq, Heavy Industries Taxila (HIT), Taxila, Pakistan
65.	TDF03-269	Durable And Cost-Effective Fan Dimmer With No Humming Sound And Effect Of Ups	Dr. Ataul Aziz Ikram, Professor, Electrical Engineering, FAST NU Islamabad.	Mr. Muhammad Arsalan Qureshi, U.I. Industries (Starco Fans)
66.	TDF03-274	Epic-A Wearable Epilepsy Monitoring Device	Dr. Sajid Gul Khawaja, Assistant Professor, Computer Engineering Department, NUST Islamabad.	Mr. Ali Saeed Khan, RISETech, Islamabad
67.	TDF03-277	Development of Hybrid Solar Inverter	Dr. Tahir Izhar, Chairman, Al-Khawarizmi Institute of Computer Science, University of Engineering and Technology, Lahore.	Mr. Shazeb Javaid Rathore, Advanced Systems (pvt) Ltd. Gujranwala

68.	TDF03-283	Development Of Eco-Friendly Mosquito Repellent And Thermal Camouflaged Fabric For Security Personnel	Dr. Mumtaz Malik, Professor, Dean School of Textile and Designing, UMT Lahore.	Mr. Muhammad Anwar, Nishat Lahore.
69.	TDF03-294	From Bench To Bank: Effective Production Of Carboxymethylcellulose (Cmc) From Agro-Industrial Waste	Dr. Maliha Uroos, Assistant Professor (BPS-19), Institute of Chemistry, University of the Punjab, Lahore.	Mr. Muhammad Naveed Ashraf, SRC (Pvt) LTD , Lahore, Pakistan.
70.	TDF03-296	lot Based Industrial Load Monitoring And Management System	Dr. Shahzad Younis, Assistant Professor, Electrical Engineering, SEecs-NUST Islamabad.	Dr. Fahim Tariq, SciFlair Pvt. LTD and Chenab Engineering works & Foundries
71.	TDF03-299	Target Location Finder:2D/ 3D Acoustic Target Locating System	Dr. M. Tahir, Ph.D. Electrical and Computer Engineering, Professor (BPS-19), Department of Electrical Engineering, UET Lahore.	Mr. Amir Riaz, ANS Associates, Lahore
72.	TDF03-300	Automatic Detection And Localization Of People Buried Under Rubble In Post-Disaster Scenarios	Dr. Muhammad Tahir , Professor, Department of Electrical Engineering, University of Engineering & Technology, Lahore.	Mr. Inam Elahi Rana , Bismillah Electronics
73.	TDF03-301	Sustainable Production Of Processed Fish Meat And Value-Added Fish By-Products	Dr. Muhammad Hafeez-ur-Rehman, Associate Professor (BPS-20), UVAS Lahore.	Mr. Muhammad Shumayl Ali Zahid, Royal Fish (pvt) Ltd, UVAS, Lahore
74.	TDF03-313	Vap lot Lab	Dr. Shoab Ahmed Khan, Assistant Professor & Associate Head of Department, Computer Science, NUST Islamabad.	Mr. Abbas Ali Mirza, Silverback (Pvt) Limited

75.	TDF03-331	Design, Analysis, Development And Ground Testing Of Retractable Landing Gear System (Rlgs) Mechanism For Medium Altitude Long Endurance (Male) Unmanned Aerial Vehicle (Uav) To Be Developed Indigenously In Pakistan	Dr Syed Irtiza Ali Shah, Head of Department, Aerospace Engineering, College of Aeronautical Engineering (CAE), NUST Risalpur.	PAC, Pakistan Aeronautical Complex, Kamra
76.	TDF03-332	Design, Analysis, Development And Testing Of Titanium/Carbon Metal Matrix Composite Strut For Retractable Landing Gear System (Rlgs) For Medium Altitude Long Endurance (Male) Unmanned Aerial Vehicle (Uav) To Be Developed Indigenously In Pakistan	Dr Syed Irtiza Ali Shah, Head of Department, Aerospace Engineering, College of Aeronautical Engineering (CAE), NUST Risalpur.	PAC, Pakistan Aeronautical Complex, Kamra
77.	TDF03-337	Development Of A Solar Assisted, Desiccant-Based Indirect Evaporative Air Conditioner	Dr. Muzaffar Ali, Chairman/Associate Professor, Energy Engineering Department, University of Engineering and Technology Taxila.	Mr. Syed Fawad Tariq Jafri, KoldKraft Refrigeration Pvt LTD
78.	TDF03-338	Development Of Conductive Fabric And Conductive Films For Development Of Smart Garments	Dr. Zafar Javed, Assistant Professor (BPS-19), Textile & Apparel Design, NTU Faisalabad	Mr. Bilal Tufail Bhatti, Outso Wearables Pvt Ltd, Lahore