

Newsletter

July-2021 to June-2022



School of Science



Inside the Newsletter

- Message from Dean & Chairman
- Programs Offered
- Conferences Attended
- Research Publications
- Completed Master Projects
- Research Facilities
- Research Grants
- Special Consultancy
- Orientation for Fall 2021 Intake

Deans School of Science Message



The School of Science (SOS) offers state of the art education at graduate and undergraduate level in the areas of Computing, Physics, Chemistry, Mathematics and Statistics. School of science

also offers foundation course of all the programs of other schools of the university. Faculty members of the School of Science are highly qualified who have received their degrees from renowned universities of the world, aiming to develop students into researchers, engineers, innovators as well as highly specialized professionals with broad vision and excellent skills. SOS has state of the art research labs with excellent facilities for research activities of the graduate and undergraduate students. SOS faculty members are actively engaged in various research projects within the institute and in collaboration with other institutes and industry.

The School of Science has two academic departments:

- Department of Applied Sciences
- Department of Computer Science

Department of Applied Sciences



Welcome to the Department of Applied Sciences at National Textile University. As you explore this website, you will find a wealth of information about us: who we are, what

research we do, what academic programs we offer, what talks, and seminars are scheduled, and much more. The department is playing an important role in developing the future scientists, engineers and professionals for academia and industry. One of our main goals is to produce scientists and engineers with creative and innovative skills needed to rise to the top of their profession. We, at NTU, are fully cognizant of the fact that engineering is indeed an intellectually demanding profession, mainly because of the wide range of skills needed to deploy. When you Look deep into nature and then you will understand everything better". And this is what we try to teach our students every day. We work to inspire them, to spark curiosity in them, to develop interest and respect in them for science and Engineering. The department's effective role in imparting quality education is evident from its team's diligence and vigor.

Department of Computer Sciences



The Department of Computer Science was setup with a vision to en-kindle some of the brightest technical minds of the country and equip them with all skills necessary to manage the clothing industry. The

Department envisions producing successful graduates who will be capable of leading the fast-paced changing scenarios of today's apparel industry through intellect, innovation and values. Research and educational activities are conducted by proficient, devoted and well-qualified faculty and staff members having ample experience in various fields of Computer Science. An active Interaction with industry is the main feature of our Teaching Philosophy, Industrial Visits, internships, symposiums and participation in workshops and industrial exhibitions are frequently carried out for students learning. Department of Computer Science is also dynamically involved in providing consultancy services to the textile industry and other public sector organizations. Various national level projects were carried out with success by the department during recent years.

Glimpse of Achievements

- | | |
|--|-------------------------------|
| ➤ No. of Publications: 75 | ➤ Book Chapter Published = 01 |
| ➤ No. of Conferences: 35 | ➤ New Programs Launched = 04 |
| ➤ No. of Master Projects Completed: 89 | ➤ Patent Filed = 01 |
| ➤ Funding acquired = 25.68 Million Rs | ➤ MS Thesis Completed = 89 |
| ➤ MOU's / Collaboration = 02 | ➤ PhD Thesis Completed = 02 |

Programs offered

Undergraduate

- ❖ BS Computer Science
- ❖ BS Software Engineering
- ❖ BS Artificial Intelligence
- ❖ BS Applied Physics
- ❖ BS Applied Mathematics
- ❖ BS Applied Chemistry
- ❖ BS Applied Statistics

Postgraduate

- ❖ PhD Chemistry
- ❖ PhD Computer Science
- ❖ MS Mathematics
- ❖ MS Computer Science
- ❖ MS Software Engineering
- ❖ MS Physics
- ❖ MS Textile Chemistry

COMPLETED MASTERS PROJECTS OF DAS

July-December 2021

NewsLetter

No.	Project Title (MS Physics)	Student
1.	Fabrication of multilayered C/TiO ₂ nano composite and its effect on electrical and thermal properties	Ayesha Hanif
2.	Effect of cerium oxide, zinc oxide and silicon carbide on fire retardant properties of coated textiles	Sana Hameed
3.	Development of alginate based moringa oleifera extract microfibers for potential wound healing application	Tayaba Nawaz
4.	The effect of graphene oxide concentration on optical properties of barium tungstate nano Composite	Faisal Saqlain Qazzafi
5.	Investigation of optical and magnetic properties of copper ferrite/Graphene oxide /zinc oxide	Saddam Hussain
6.	Synthesis of FeVO ₄ /CQDs nanocomposite as photocatalytic degradation of azo dyes	Hafsa Mansha
7.	Fabrication of Zirconia and GO-doped PVA conducting nanofibers as high-performance electrochemical sensing material	Muhammad Awais
8.	Synthesis of high sensing MoS ₂ /ZrO ₂ /CeO ₂ tertiary nanocomposite for efficient photo-catalytic degradation of methyl orange	Sana Aslam
9.	Development of Fe/C/Zno Co-doped PAN nanofibers as promising energy storage materials	Faiqa Sabeen
10.	Investigation of carbon quantum dots doped barium tungstate nanocomposite for antibacterial applications	Nouman Aslam
11.	Fabrication of Bi ₂ WO ₆ /ZnO/Go nanocomposite for super capacitor electrode material	Saadia Hameed
12.	Fabrication of TiO ₂ /ATO/CNTS nanocomposite for electrochemical biosensing application	Zain Fatima
13.	The effect of Ag nanoparticles and graphene on electrical properties of PVA nanocomposite	Azhar Hussain
14.	The effect of graphene quantum dots concentration and polyaniline nanosheet for humidity sensing.	Rizwan Liaqat
15.	The effect of Fe, Br doping on the photocatalytic properties of TiO ₂ nanocomposite	M. Zeeshan
16.	Development of Carbon/Epoxy/MWCNTs nanocomposite for automotive applications	Hafiza Sana Mehak
17.	Effect on the optical properties of graphene oxide on the manganese cobalt oxide nanocomposite	M. Khizar Hayat
18.	EMI shielding properties of metal/natural fiber co-woven hybrid composites	Hafiza Sadia Manzoor
19.	Copper oxide impregnated graphene nanocomposite for photodegradation of textile dyes	Samavia Rafiq
20.	Fabrication of hydro gel based wet electrodes for ECG monitoring	Babar Hussain
21.	Fabrication Of Textile Based Dry Electrodes For ECG Monitoring	Muhammad Rizwan
22.	Design of Textile Based Microstrip Patch Antenna for Brain Tumor Detection	Zain-Ul-Abdeen
23.	Synergistic effect of Nanofillers on EMI shielding properties of nanocomposites	Misha Naz

24.	Optimization of Electrical and Mechanical Properties of Flexible Cellulose/Polypyrrole Conductive Paper	Tayyba Mukhtar
Project Title (MS Textile Chemistry)		
25.	Preparation of breathable polyurethane-based coatings using surfactant-based system	Noor Fatima
26.	Poly(lactic acid) incorporated silk electrospun fibers for potential biomedical application	Rabia Shafi
27.	Preparation of breathable Polyurethane-based Coatings using surfactant-based system	Noor Fatima
28.	Modification of TiO ₂ using Cu and Ag for development of durable multifunctional fabric	Kainat Majeed
29.	Dye effluent treatment using silica-based microcapsules,	Hussnain Ahmed Talha
30.	Sustainable dyeing of wool by using natural colorants	Muhammad Mohsin Zahid
31.	Ecofriendly and sustainable dyeing of cotton with black tea dye and aloe vera mordant	Muneeb ur Rehman
32.	Influence of commercial Laundering on performance and comfort characteristics of work-wear fabric	Quasir Hussain
33.	Formulation of Digital Printing Reactive inks and the factors affecting shade depth	Ali Adil
34.	Development of antibacterial wool fabric dyed with dalbergia sissoo using natural mordants	Haseeb Afzal
35.	Synthesis of alumina nanoparticle with sol-gel method for durable multifunctional textiles	Muhammad Umar Anwar
36.	Low temperature dyeing of polyester by disperse dyes with ecofriendly carriers	Muhammad Waqas
37.	Sustainable alternative of rope dyeing in denim manufacturing	Muhammad Usman
38.	Development of novel antiviral nano finishes for bioactive textile	Farheen Afzal
39.	Color fading of denim garments through ozone treatment	Husnain Saleem Raza
40.	Development of nanoarchitecture PVDF coatings for enhanced piezoelectric response and sensing	Marriam Liaqat
Project Title (MS Mathematics)		
41.	Study of Vibrations of Bi-layered cylindrical shells for blow room piping	Babar Ali
42.	Artificial neural network model for predicting compressed air consumption on air-jet looms	Muhammad Yahya Iqbal
43.	Analysis of cross-stitch by graph theory	Noreen Khalid
44.	Vibration analysis of bi-layered FGM circular cylindrical shell submerged in fluid	Waqas Yousaf
45.	Development of electromagnetic simulator and its application to nanocomposites	Alishba Shafique
46.	A numerical scheme to calculate the shielding effectiveness of electromagnetic shielding fabric	Anita Tariq
47.	Flow analysis of bio-nano fluids	Arfa Hayat
48.	Flow behavior of non-Newtonian fluids over thin needle.	Asma Khaliq
49.	Analysis of fabric defects using image analysis technique.	Ayesha Mushtaq

50.	Reduction of skin friction using Maxwell fluid over a porous quadratic sheet.	Eman Ijaz
51.	Flow behavior analysis of graded non-Newtonian fluid past a porous medium	Fahad Ahmed
52.	Reduction of skin friction using Maxwell fluid over a porous quadratic sheet.	Eman Ijaz
53.	Calculating degree based topological indices of remdesivir (A covid antibiotic)	Hassan Irshad
54.	Analysis of peristaltic flow of power law fluid	Huma Ijaz
55.	Simplification and modification of mathematical model for fiber strength utilization	Javairia Akhter
56.	Soliton solution of hunter saxton equation by exp function method	Majad Ali
57.	Three-D modeling of thread consumption for stitch class 602	Maria Firdos
58.	Development of mathematical Model using RSM (Response surface Modeling) for the prediction of lapped seam strength	Maria Iftikhar
59.	Development of numerical algorithm to compute optical solitons in presence of higher order dispersions	Muhammad Atif Iqbal
60.	Analytical and numerical approaches to solve fractional order differential equation	Muhammad Bilal
61.	New iterative method for solving fractional order differential equation	Muhammad Bilal Asghar
62.	Multiplicative topological index analysis of C ₄ C ₈ carbon Nanostructure (nanosheet, nanotube and nanotaurus)	Muhammad Usman
63.	Possibility of information extraction from collapsing objects in rainbow gravity	Nida Ramzan
64.	Analysis of thermo-physiological comfort properties of ladies woven scarves using least square approximation	Rabia Nazar
65.	The detection of broken or missed stitch using image analysis	Shahzaib Ali
66.	Computational structure analysis for physicochemical properties of C ₄ C ₈ and C ₅ C ₇ Carbon Nano Sheet	Sidra Rashid
67.	Gravitational collapse of unidirectional perfect fluid in rastall Gravity	Yousra Aziz
68.	Study of activation energy on the movement	Usama Usman
Project Title (MS Computer Science)		
69.	Development of a Data-Container to efficiently manage subsets of sc RNA-Seq Data	Mr. Irzam Sarfraz
70.	Effective method for normalization of SCRNA-SEQ data	Mr. Fahid Ahmad Ahsan
71.	Impact of mobile and laptop on individual's utilization behavior	Ms. Simra Shahid
72.	An android app using the virtual trial room to minimize clothing perceived risks of buyers	Mr. Haider Mustafa
73.	Obstacle Avoidance and path planning system for UAVs in Non-GPS environment using a Single Camera with an improved deep learning technique	Mr. Ali Hassan
74.	Blockchain-based soft drinks supply chain traceability by using hash function	Mr. Muhammad Hassan Baig
75.	Factor detection model for early prediction of schistosomiasis disease based on data mining algorithms	Ms. Sadaf Yasmeen
76.	Taxonomic classification of filamentous microalgae images using machine learning	Ms. Tehreem Usman

77.	Optimal weight triangulation of polygon using greedy approach	Mr. Ahmad Amad
78.	Exploring the impact of student affective state in classroom environment for predicting assessment outcome	Ms. Rabeeya Abid
79.	Analyzing the impact of timestamp and gender on student affective state in classroom environment	Ms. Sana Ikram
80.	Weight optimization of neural network using evolutionary algorithm	Mr. Shahbaz Ahmad
81.	Recognizing factors affecting the use of mobile apps through sentiment and thematic analysis on user reviews	Ms. Saba Naseem
82.	Retinal disease classification via deep learning using multi-modal imaging data	Ms. Ayesha Liaqat
83.	Prioritization of non-functional requirements in E-commerce	Ms. Sunbal Nawaz
84.	Urdu speech rectification application to assist kids having articulation disorder	Mr. Abdullah Saleem
85.	Automated accessibility evaluation tool for the design of mobile applications at initial stages of development	Lyba Kashif
86.	Data and risk analysis in production line management through simulation techniques in textile industry	Ms. Hira Aftab
Project Title (MS Software Engineering)		
87.	Effective method for normalization of SCRNA-SEQ data	Mr. Fahid Ahmad Ahsan
89.	An android app using the virtual trial room to minimize clothing perceived risks of buyers	Mr. Haider Mustafa
90.	Obstacle Avoidance and path planning system for UAVs in Non-GPS environment using a Single Camera with an improved deep learning technique	Mr. Ali Hassan
91.	Blockchain-based soft drinks supply chain traceability by using hash function	Mr. Muhammad Hassan Baig
92.	Factor detection model for early prediction of schistosomiasis disease based on data mining algorithms	Ms. Sadaf Yasmeen
93.	Usability evaluation using Design Consideration in web view mobile APK using gestalt's principle on different screen sizes	Muhammad Jawad
94.	Factor Detection Model for Early Prediction of Schistosomiasis Disease based on Data Mining Algorithms	Ms. Sadaf Yasmeen
95.	Data and Risk Analysis in Production Line Management Through Simulation Techniques in Textile Industry	Ms. Hira Aftab
96.	Test Case prioritization using Optimization Techniques	Ms. Bazam-e-Jahan

Patents Approved/Submissions by Faculty of DAS

Sr#	Details
1.	M. A. Nazeer, A. Reasheed, N. Nasir and S. R. Batool, Polypyrrole containing conductive polyurethane and a method for preparing a film thereof
2.	Analyzing the impact of timestamp and gender on student affective state in classroom environment

COMPLETED BACHELORS' STUDENTS PROJECTS AT DCS

Project ID	Registration No.	Student's Name	Project Title
21-P-01	17-NTU-1024	Abdul Majid Naru	Timetable Scheduling & Rescheduling System
	17-NTU-1047	Muhammad Danial	
	17-NTU-1063	Sarosh Jan	
21-P-02	17-NTU-1026	Abdullah Imran	Deals.pk
	17-NTU-1028	Ahsan Aqueel	
	17-NTU-1055	M. Zain Nadeem	
21-P-03	17-NTU-1027	Ahmad Abdullah	Shop the Discount
	17-NTU-1035	Hafsa Mehmood	
	17-NTU-1043	Mubashir Rafique	
21-P-05	17-NTU-1034	Hafiza Aunsa A.D	Tourist Guide
	17-NTU-1049	M. Haroon Alam	
	17-NTU-1066	Tahreem Jalil	
21-P-06	17-NTU-1036	Ibrar Ahmad	Real Time Object Detection and Recognition Device For Blind and Partially Blind Person (Nano Eye)
	17-NTU-1045	M. Adnan Sadiq	
	17-NTU-1051	M. Junaid	
21-P-07	17-NTU-1038	Javeria Aslam	Tailor Cord App
	17-NTU-1059	Rimsha Rasheed	
	17-NTU-1584	Memoona Jabbar	
21-P-08	17-NTU-1040	Kinza Ghaffar	Speech Rectification Application
	17-NTU-1039	Khizra Ghaffar	
	17-NTU-1061	Sana Mazhar	
21-P-09	17-NTU-1044	Mudasir Tariq	Tourist Guide
	17-NTU-1064	Shehroz Akbar	
	17-NTU-1067	Umar Draz	
	17-NTU-1067	Umar Draz	

21-P-10	17-NTU-1036	Muhammad Ahmad Afzal	Document Routing System - E-Office (Sitara Chemicals Ltd.)
	17-NTU-1045	Muhammad Hassan Sultan	
	17-NTU-1051	Muhammad Muneeb	
21-P-11	17-NTU-1058	Rifah Zahid	Smart Parking System
	17-NTU-1057	Qudsia Zia	
	17-NTU-1062	Sanwan Aslam	
BSCS-M- FYP-12 to FYP-25			
21-P-12	17-NTU-1113	Abdul Aziz	Locky The Smart Lock
	17-NTU-1114	Abdullah Zahid	
	17-NTU-1140	Hamza Baber	
21-P-13	17-NTU-1115	Abid Majeed	Virtual University Portal
	17-NTU-1142	Hamza Maqbool	
	17-NTU-1144	M.Hussnain	
21-P-14	17-NTU-1116	Ahmad Ijaz	Admission Counseling System
	17-NTU-1121	Hafiz M. Saim Sajid	
	17-NTU-1154	Usama Iqbal	
21-P-15	17-NTU-1118	Dawood Ahmad	Lost & Found App
	17-NTU-1150	M.Usman	
	17-NTU-1160	Usama Qamar	
21-P-16	17-NTU-1122	Hafiz Talha Habib	Augmented reality-based marketing and branding
	17-NTU-1141	Hamza Fayyaz	
	17-NTU-1156	Shamaz Saeed	
21-P-17	17-NTU-1123	Hafsa	Computer aided Translator from Text to Pakistan Language for Effective Communication with Deaf People
	17-NTU-1131	Moiz Ali	
	17-NTU-1159	Tayyaba Shahid	
21-P-18	17-NTU-1124	Hamza	Brand Equity Analyzer App
	17-NTU-1126	Hassan Arif	
	17-NTU-1202	Samia Areej	
21-P-19	17-NTU-1125	HarisChaudary	Mask-on Face Recognition System
	17-NTU-1139	Farhan Amjad	
21-P-20	17-NTU-1127	Hussnain Shahzad	Oncology Repository of Allied Hospital
	17-NTU-1136	Muaz Ikram	
	17-NTU-1143	M. Hassan Irshad	
21-P-21	17-NTU-1128	Ihtesham Ahmed	Community Service Donation App
	17-NTU-1138	M. Arslan	
	17-NTU-1155	Rana Danial Tajammal	
21-P-22	17-NTU-1132	M.Asjad	E-Commerce Web Application
	17-NTU-1146	M Mubashir	
	17-NTU-1158	Talha Mushtaq	

21-P-23	17-NTU-1133	Maryam Azam	Automated Exam Conducting System
	17-NTU-1153	M Zeeshan Rafiq	
	17-NTU-1161	Aira Zahid	
21-P-24	17-NTU-1145	M Khubaib	Vehicle Security & Identification System
	17-NTU-1152	Zahid Javed	
	17-NTU-1166	Khadija Latif	
21-P-25	17-NTU-1148	Shahzad Ali	The Text Extraction Web Extension
	17-NTU-1149	M Sharjeel	
	17-NTU-1157	Shaheryar Anwar	
BSCS-E- FYP-26 to FYP-38			
21-P-26	17-NTU-1165	Asad Haneef	Learning Management System (LMS)
	17-NTU-1204	Tayyab Ahmed	
21-P-27	17-NTU-1167	Abdullah khan	Easy Ride Share
	17-NTU-1171	Muddasir	
	17-NTU-1174	M Abrar	
21-P-28	17-NTU-1168	M Hamza	Waste Recycler
	17-NTU-1194	Zeeshan Azeem	
	17-NTU-1178	M Awab	
21-P-29	17-NTU-1170	Mohsin Safeer	Human safety and A-Alert
	17-NTU-1175	Muhammad Adil	
	17-NTU-1183	M. Kamran	
21-P-30	17-NTU-1172	M. Abbas	Real-Time sign language detection for deaf and speechless people
	17-NTU-1193	M. Usman	
21-P-31	17-NTU-1173	M. Abaidullah	Ballon shooting in augmented reality
	17-NTU-1179	M. Azeem Afzal	
	17-NTU-1184	M. Mobeen Abid	
21-P-32	17-NTU-1176	M. Ahmer	Hoard executive suit
	17-NTU-1177	M. Asad Zafar	
21-P-33	17-NTU-1180	M. Faisal	Intelligent Covid-19 preserver
	17-NTU-1190	Muhammad Shoaib	
	17-NTU-1199	Noor Rasheed	
21-P-34	17-NTU-1181	Faisal Afzal	Hope Help system
	17-NTU-1186	M. Muneeb	
	17-NTU-1189	Shahzaib	
21-P-35	17-NTU-1182	M. Hamza Tanver	E-commerce website for visually impaired
	17-NTU-1205	Usman Javed	
	17-NTU-1208	Zail Hussain	

21-P-36	17-NTU-1187	Muhammad Numan Rafique	Industry Live Order Tracking
	17-NTU-1188	Muhammad Rauf	
	17-NTU-1191	Muhammad Usama Ahmad	
21-P-37	17-NTU-1195	Muhammad Zubair	URL shortner & Static Hosting Using Laravel Framework
	17-NTU-1196	Muhammad Haris	
	17-NTU-1203	Tauqeer Nasir	
21-P-38	17-NTU-1197	Murfaad Mohy-Ud- Din	Garbage Management System
	17-NTU-1200	Rehan Nawaz	
	17-NTU-1206	Usman Shafique	
BSSE-E-FYP-39 to FYP-52			
21-P-39	17-NTU-1042	Mehreen Abbas	Smart Wildlife Tracking System
	17-NTU-1068	Waleed Saleh	
21-P-40	17-NTU-1071	Abu Bakar Aziz	Stress, Anxiety, Depression Diagnosis System
	17-NTU-1082	Hamza Mehmood	
	17-NTU-1089	Moez Ahmad	
21-P-41	17-NTU-1072	Ayesha Afzal	Rent-ITMobile Application
	17-NTU-1077	Ayesha Faryad	
21-P-42	17-NTU-1073	Ali Hassan Tahir	Pakistan E-Voting System
	17-NTU-1097	Muzammal Rasool	
	17-NTU-1111	Zaryab Khan	
21-P-43	17-NTU-1075	Asma Abid	Amazon Affiliate Website (Web-Based)
	17-NTU-1108	Shareef ullah	
	17-NTU-1109	Umaima Khalid	
21-P-44	17-NTU-1076	Ayesha Farooq	YouTube Influencer Finder (Web Based Application)
	17-NTU-1091	Mubbara Fatima	
	17-NTU-1107	Sadia Tabasam	
21-P-45	17-NTU-1078	Ayaz ul haq	Guide Pose
	17-NTU-1090	Moshin Quddus	
	17-NTU-1100	Talha Khawar	
21-P-46	17-NTU-1079	Behzad Ahmad	Object Detection And Sound Recognition For Blind Person
	17-NTU-1088	Mohsin Iqbal	
	17-NTU-1099	M Talha	
21-P-47	17-NTU-1080	Fiaz Ahmad	Smart Travel Guide
	17-NTU-1081	Hammad Miran	
	17-NTU-1106	Saad Ullah	
	17-NTU-1083	Haseeb Aslam	

21-P-48	17-NTU-1083	Haseeb Aslam	Health and Nutrition system
	17-NTU-1085	Hassan Nisar	
	17-NTU-1087	Huzaiifa Qaisar	
21-P-49	17-NTU-1084	Haseeb Zia	Portage Guide for Early Education (A Digital Assessment Tool)
	17-NTU-1103	M Usman	
	17-NTU-1104	M. Waseem Aasi	
21-P-50	17-NTU-1086	Husnain Zafar	Online Doctor appointment Systems
	17-NTU-1092	Arham Noor	
	17-NTU-1098	Nouman Azeem	
21-P-51	17-NTU-1094	Arslan Ashfaq	E-Console Shop
	17-NTU-1095	Faraz Naeem	
21-P-52	17-NTU-1096	Syed Farhan Amin	Real Estate Management System
	17-NTU-1110	Usman Ehsan	
BSSE-E-FYP-53 to FYP-66			
21-P-53	17-NTU-1210	Ali Faraz	Facial Recognition attendance system
	17-NTU-1236	Numan	
	17-NTU-1564	Fahad Nadeem	
21-P-54	17-NTU-1211	Amir Ali	Stream Flow Prediction System by using ML
	17-NTU-1216	H Bilal	
	17-NTU-1586	Usama Bin Tahir	
21-P-55	17-NTU-1213	Eiswan Ali Kazmi	Mazdori Mobile App
	17-NTU-1240	Shams Ul Haq	
	17-NTU-1572	Arslan Asghar	
21-P-56	17-NTU-1212	Asad Ashraf	Tele Experts
	17-NTU-1217	H.Suad	
	17-NTU-1568	Salman Khalid	
21-P-57	17-NTU-1214	Ghulam Hussian	Tuteleague Learning System
	17-NTU-1244	Umar Abid	
	17-NTU-1580	H.Ali Salman	
21-P-58	17-NTU-1215	H.Faisal	SDMIND brain Training
	17-NTU-1219	M. Areeb Gull	
	17-NTU-1231	M. Saim Akram	
21-P-59	17-NTU-1234	M. Usama Javed	Shoppe Door
	17-NTU-1218	Ikhlaq Ahmed	
21-P-60	17-NTU-1220	Muhammad Haris	Women Empowerment
	17-NTU-1237	Rimsha Shahzad	
	17-NTU-1241	Sidra Zafar	
	17-NTU-1581	Arslan Ali	Tele Experts

21-P-61	17-NTU-1581	Arslan Ali	Go and Green Pakistan
	17-NTU-1243	Umair Sattar	
	17-NTU-1221	Mahnoor Naveed	
21-P-62	17-NTU-1245	Usama Akhtar	Agri Tard Mobile App
	17-NTU-1222	Muhammad Abrar	
	17-NTU-1239	Seerat Masood	
21-P-63	17-NTU-1229	M. Noman Afzal	Utility Service App
	17-NTU-1225	M. Ameer Hamza	
	17-NTU-1224	M. Ahsan-Ullah	
21-P-64	17-NTU-1232	Umar Hayat	Dr. Cure
	17-NTU-1228	Mubeen Yaseen	
	17-NTU-1227	Khizar Iftikhar	
21-P-65	17-NTU-1235	Nauman Nazir	Hardware Solution
	17-NTU-1230	M. Saad Imran	
	17-NTU-1238	Sami ur Rehman	
21-P-66	17-NTU-1565	Muhammad Shoaib	Online Job Portal (Web Application)
	17-NTU-1233	Muhammad Usama	
	17-NTU-15656	Nosherwan Zafar	

Conference Papers DAS

Sr#	Conference Paper
1.	Amber Haroon, Toqeer Mahmood, Rehan Ashraf, Muhammad Asif, Saba Naseem, Abdul Wahab Khan, "“A Comprehensive Survey of Sentiment Analysis Based on User Opinion”", 4th International Conference on Computing & Information Sciences, November 29-30, 2021, Karachi, Pakistan., Venue: Karachi, Pakistan., (2021).
2.	Maria Wadood, Mudassar Ahmad, Muhammad Asif Habib, "“Appropriateness and Comparison of Requirement Elicitation Techniques in Textile Industry”". The Innovation Summit 2021 Conference, Comsats Vehari, 22nd December 2021.
3.	Hira Shahid, Muhammad Asif Habib, Mudassar Ahmad, "“Information Recognition using Applications and Flashcards”". The Innovation Summit 2021 Conference, Comsats Vehari, 22nd December 2021.
4.	Shahza Qaiser, Muhammad Asif Habib, Mudassar Ahmad, "“3-A Novel ASCII Based Video Encryption Algorithms”". The Innovation Summit 2021 Conference, Comsats Vehari, 22nd December 2021.
5.	Muhammad Bilal Sardar, Muhammad Asif Habib, Mudassar Ahmad, "“Transactions Automation for Supply Chain by Using Ethereum Platform”". The Innovation Summit 2021 Conference, Comsats Vehari, 22nd December 2021.

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2.	K Nazir, MA Habib, M Ahmad; Evaluation of Selective Reactive Routing Protocols of Mobile Ad-Hoc Network Proceedings of International Conference on Information Technology Hamid ali, Muhammad Asif*, "Color Matching Recipe Prediction In The Textile Industry Using Welfare State Optimizer", Conference on Knowledge based Textiles (KnowTex), Venue: National Textile University Faisalabad , (2022)
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49.	Yanmei Zhang, Wenqiang Yu, Ziyu Li, Salman Raza, and Huaihu Cao, "Detecting Ethereum Ponzi Schemes Based on Improved LightGBM Algorithm", IEEE Transactions on Computational Social Systems, Vol. , No. , (2021), pp.

PhD Students

Role of Design Attributes to Determine the Behavioral Intention of Learner towards an Online Learning Environment

Presented by:
Aisha Younas (Reg. No. 14-NTU-7006)
Department of Computer Science
National Textile University, Faisalabad

Supervisor: Dr. Mudassar Ahmad
Co-supervisor: (i) Dr. C.M. Nadeem Faisal
(ii) Dr. Muhammad Asif Habib
(iii) Dr. Rehan Ashraf



PhD Computer Science
Final Thesis Defense
January 31, 2022

Final Year Project Funding 2021



Department of Computer Science

Won 7 FYPs projects from IGNITE-Ministry of Information Technology.

NOTHING IS IMPOSSIBLE SESSION BY CBS IN COLLABORATION WITH SE SOCIETY



Talk(s)/Conference(s) Organized by the DAS

Multifunctional nanocomposite for Clean energy devices by Dr. Rizwan Raza (Associate Professor) Physics Department COMSATS Lahore



DEPARTMENT OF COMPUTER SCIENCE, NATIONAL TEXTILE UNIVERSITY, FAISALABAD IS ONE OF THE PIONEER DEPARTMENTS HAVING APPROVED BS ALL PROGRAM IN THE REGION THAT HAS BEEN STARTING FROM FALL-2021

UNDERGRADUATE INTAKE FALL 2021 (DEPARTMENT OF COMPUTER SCIENCE)

PROGRAM	MALE	FEMALE
BSCS 1st (A)	26	23
BSCS 1st (B)	38	09
BSSE 1st (A)	24	25
BSSE 1st (B)	33	14
BSAI 1 st	34	14
Total	155	85



SUCCESSFUL GRADUATION OF STUDENTS UNDER NFTP DEPARTMENT OF COMPUTER SCIENCES

SEMINAR ON CRACKING TECHNICAL INTERVIEWS

On 29 November 2021, Society of Software Engineers conducted a seminar Cracking technical interviews.

Our worthy Speaker Mr. ABID JAMIL (Technical lead at grocer app) motivates students and provided useful tips on securing a job in market by successfully cracking the interview, further there was a question answer session and lastly resumes making was discussed. Later, honorable Dr. Nadeem Faisal presented shield to Mr. Abid Jamil.



Research Funding

Sr. No	Project	Donar	Amount Million (Rs)
1	Enhancement of global competitiveness of Pakistani textile export value-chains by capacity building and product diversification (KnowTex)	Higher Education Commission (HEC) Grand Challenge Fund	9.8
2	Automatic activity detection in healthcare data using Deep learning techniques	Ministry of Education, Kingdom of Saudi Arabia	0.95
3	Segmentation of Skin cancer and intensity Classification Using Deep Convolutional Neural Network	Ministry of Education, Kingdom of Saudi Arabia	0.91
4	Model Development Using Artificial Intelligence	Ministry of Education, Kingdom of Saudi Arabia	0.92
5	Development of Textile Based sensors for smart textile application	NRPU	13.12

RESEARCH FACILITIES

- Analytical weighing balance
- Autoclave
- Water distillation plant
- Micro centrifuge machine
- Incubator
- Freeze dryer
- Fermenter
- Scientific refrigerator
- Rotary evaporator
- UV/VIS spectrophotometer
- Vacuum oven
- pH Meter
- Vortex mixer
- Soxhlet extraction unit
- drying oven
- Vacuum filtration assembly
- Visco meter
- Conductivity/TDS/Salinity meter
- Contact angle meter
- Laminar air flow cabinet
- Sonication bath
- Orbital shaker
- Fume Hood
- Phase contrast microscope
- Electric Oven
- Rota Mental
- Melting point apparatus
- Magnetic stirrer Hotplate
- Soxhlet apparatus
- Weight Balance
- Double distillation apparatus sz-93
- Conductivity meter

SEMINAR ON “INDUSTRIAL AND TEXTILE RELATED FYP IDEAS”

Computer Science Society (Department of Computer Science) has organized a seminar on “Industrial and Textile Related FYP Ideas” Dr. Syed Talha Ali Hamdani (Associate Professor, Department of Textile Engineering) and Dr. Abdul Qayyum (Assistant Professor, Department of Computer Science) were invited as guest speakers to the seminar. Dr. Muhammad Adeel (Assistant Professor, DCS), formally welcome the guest speakers on behalf of the Chairman Department of Computer Science. Both the guest speakers share cutting-edge FYP ideas related to the industry especially the textile sector to final year students of BSCS, BSSE, and BSIT programs at the department. These ideas Dr. Mudassir Ahmad (Assistant Professor, DCS), Mr. Waqar Ahmad (Assistant Professor, DCS), Mr. Muhammad Shahid (Convener SE FYP Committee), Mr. Muhammad Naeem (Convener CS Society), Mr. Inam Ilahi (Convener SE Society), MS Sara Masood (Convener IT Society) and Dr. Asif Ayub (Assistant Professor, DCS), were also present at the event. Software Engineering and Information Technology societies have also put their efforts into making the event successful. will not only help the students to choose their projects to solve industrial problems, but also develop an environment of multidisciplinary research at the undergraduate level. multidisciplinary research at the undergraduate level.

Department of Computer Science

29 oct FRIDAY

FYP IDEAS (SESSION 1)
Seminar on Industrial and Textile Related FYP IDEA

VENUE
NTU MAIN HALL

TIMING
9:00 AM

ORGANIZED BY:

Dr. Syed Talha Ali Hamdani
Associate Professor
Textile Engineering

Dr. Muhammad Abdul Qayum
Assistant Professor
Department of Computer Science

2nd SESSION ON FYP IDEAS

The Department of Computer Science conducted the 2nd session on FYP ideas. It was the massive opportunity for the students who wanted to get new ideas regarding machine learning and data science for their final year projects.

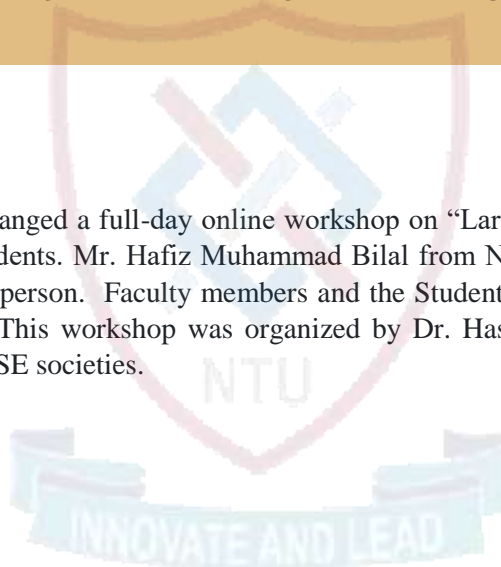
Mr. Muhammad Kaleem Ullah conducted this session. He is the growth head at UWORX. He bears extensive experience in the field of Machine learning and Data Science.

The session was held on November 4, 2021, at NTU main hall at 2 pm.



ONLINE WORKSHOP ON “LARAVEL & LARAVEL SAIL WITH DOCKER”

Department of Computer Science arranged a full-day online workshop on “Laravel & Laravel Sail with Docker” for students. Mr. Hafiz Muhammad Bilal from Node Security, Germany was the resource person. Faculty members and the Students of NTU participated in the workshop. This workshop was organized by Dr. Haseeb Ahmad and managed by IT, CS, and SE societies.



“ISLAMIC VALUES FOR YOUTH IN THE LIGHT OF SUNNAH”

The famous scholar Dr Nighat Hashmi has addressed regarding “Islamic Values for Youth in the light of Sunnah” at National Textile University, Faisalabad. This event was organized by Wing Society NTU convened by Dr. Isma Hamid.



NOTHING IS IMPOSSIBLE SESSION BY CBS IN COLLABORATION WITH SE SOCIETY

The amazing event "Nothing is Impossible" on January 19, 2022, from 2:10 pm - 3:30pm in multipurpose Hall organized by Character building society in collaboration with the SE Society Successfully called off by giving the best knowledge about the Islamic values and ethics and how to achieve great milestones in the life without losing hope.

Chief guest of this function was Ex-President Character Building Society.

"Abdul Rauf Khalid".

He explained how Islam put so much emphasis on not giving up and in believing that nothing is Impossible is life unless you make effort to achieve it.



SCHOOL OF SCIENCE: ORIENTATION FOR FALL 2021 INTAKE



A Seminar on "Data and the Global Landscape"



CS Society arranged a Tournament of E-Sport Game known as PUBG



NFTP Graduation Ceremony

NFTP NATIONAL FREELANCE TRAINING PROGRAM

Our Partners
NTU
FAISALABAD

Global **freelancing market** is worth trillions of dollars. Due to **freelancing training programs** like NFTP, Pakistan is witnessing a surge in freelancing professionals. Growth rate of freelancers in Pakistan is among the top 5 countries in the world. The day is not far when these **freelancers will become one of the strongest pillars of Pakistan's economy**

join us
and become your own hero

Prof Dr. Tanveer Hussain
RECTOR

NTU INNOVATE AND LEAD

Ministry of Information Technology & Telecommunication
DIGITAL PAKISTAN

PITB
Punjab Information Technology Board

Instagram Facebook Twitter /NFTPOFFICIAL

DCS victory Football Championship 2022 at NTU



Workshop on Fundamentals of Accounting



Seminar on Kick-Start your Freelancing Career



A group of Alumni members of Batch-11



Sports society of DCS, organized sports week for the students



NFTP Batch Enrollment Ceremony



Visit to MK Sons (Pvt) LTD)



Seminar on Technical Interviews



Visit of Crescent Textiles Mills, Faisalabad



Orientation Batch 21

