FACULTY ANNUAL REPORT

DEPARTMENT OF COMPUTER SCIENCE

2017

National Textile University, Faisalabad.
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Faculty Annual Report - 2017
Department of Computer Science

1 Academic

1.1 Full-time faculty members

<table>
<thead>
<tr>
<th>SR#</th>
<th>NAME</th>
<th>Designation</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Muhammad Asif</td>
<td>Assistant Professor/Chairman</td>
<td>Ph.D. Computer Science</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Rehan Ashraf</td>
<td>Assistant Professor</td>
<td>Ph.D. Computer Engineering</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Mudassar Ahmad</td>
<td>Assistant Professor</td>
<td>PhD Computer Science</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Sohail Jabbar</td>
<td>Assistant Professor</td>
<td>Ph.D. Wireless Communication Network</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Nadeem Faisal</td>
<td>Assistant Professor</td>
<td>PhD Computer Engineering</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Muhammad Asif Habib</td>
<td>Assistant Professor</td>
<td>Ph.D. Computer Science</td>
</tr>
<tr>
<td>7</td>
<td>Mr. Waqar Ahmad</td>
<td>Assistant Professor</td>
<td>MS Computer Science</td>
</tr>
<tr>
<td>8</td>
<td>Mr. Shahbaz Ahmad</td>
<td>Assistant Professor</td>
<td>MS Computer Science</td>
</tr>
<tr>
<td>9</td>
<td>Dr. Haseeb Ahmad</td>
<td>Assistant Professor</td>
<td>Ph.D. Computer Science</td>
</tr>
<tr>
<td>10</td>
<td>Mr. Muhammad Adeel</td>
<td>Lecturer</td>
<td>MS Computer Science</td>
</tr>
<tr>
<td>11</td>
<td>Mr. Muhammad Shahid</td>
<td>Lecturer</td>
<td>MS Software Engineering</td>
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<tr>
<td>12</td>
<td>Mr. Nasir Mahmood</td>
<td>Lecturer</td>
<td>MSC computer Engineering</td>
</tr>
<tr>
<td>13</td>
<td>Mr. Shahbaz Ahmad Sahi</td>
<td>Lecturer</td>
<td>MS Computer Science</td>
</tr>
<tr>
<td>14</td>
<td>Mr. Muhammad</td>
<td>Lecturer</td>
<td>MS Information Technology</td>
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<td>15</td>
<td>Muhammad Ayzed Mirza</td>
<td>Lecturer</td>
<td>MS Computer Science</td>
</tr>
<tr>
<td>16</td>
<td>Mr. M. Raheel Zafar</td>
<td>Lecturer</td>
<td>MS Computer Science</td>
</tr>
<tr>
<td>17</td>
<td>Mr. Asif Suryani</td>
<td>Lecturer</td>
<td>MS Computer Science</td>
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1.2 Faculty on Higher study

<table>
<thead>
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<th>SR#</th>
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<tr>
<td>1</td>
<td>Ms. Mubeen Aslam</td>
<td>University of Technology, PETRONAS</td>
<td>Malaysia</td>
</tr>
</tbody>
</table>
2 Research product development and commercialization

2.1 Research Articles


13. Muhammad Azam Zia, Zhongbao Zhang, Guangda Li, Haseeb Ahmad and Sen Su, "Prediction of Rising Venues in Citation Networks. ", Journal of Advanced Computational Intelligence and Intelligent Informatics (ESCI, Scopus, EI), Vol. 21, No. 4, (2017), pp.4


2.2 Conferences


19. Shahbaz Ahmad, Muhammad Asif, Muhammad Majid, Muhammad Afzal Naveed, "An Effective Study of Geographical Flow and Intensity of Dengue Outbreak among Males in
Punjab, Pakistan.", The 3rd ICHLSR Bangkok - International Conference on Healthcare & Life-Science Research, Venue: Kasetsart University, Bangkok, Thailand, (2017)


### 2.3 Training & Developments

Following faculty members and staff have trainings:

<table>
<thead>
<tr>
<th>SR#</th>
<th>Date</th>
<th>Name</th>
<th>Designation</th>
<th>City/Country</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jan 2017</td>
<td>Dr. Muhammad Asif</td>
<td>AP</td>
<td>Islamabad</td>
<td>5 Days</td>
</tr>
<tr>
<td>2</td>
<td>Dec 217</td>
<td>Dr. Rehan Ashraf</td>
<td>AP</td>
<td>NTU</td>
<td>1 Day</td>
</tr>
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</table>
3 Events Organized by Technical and Non-Technical Societies

3.1 CS Sports Society Organized CS Sports:
CS Sports Society organized CS Sports Escapade from Dec 11, 2017, to Dec 15, 2017, All Students along with the faculty members were involved in it, in the inauguration ceremony, Dean Academics (Dr. Tahir Hussain), Chairman DCS (Mr. Waqar Ahmad), Convener CS Sports Society (Mr. Muhammad Ayzed Mirza) and other faculty members of DCS were present. The event was inaugurated with a traditional ribbon cutting ceremony. Afterward, dean academics and chairman DCS formally started the event by showing the great sportsman spirit through playing some cricket.

3.2 CS Sports Prize Distribution Ceremony
CS Sports and CS Society collaboratively organized CS Sports Escapade-2017 Prize Distribution Ceremony, held on December 15, 2017. In Prize Distribution Ceremony, Dean Faculty of Science (Dr. Zahid Rizwan, Chairman DCS (Mr. Waqar Ahmad), Convener CS Sports Society (Mr. Muhammad Ayzed Mirza) and All faculty members of DCS were present. Dr. Zahid Rizwan was the chief guest and distributed the winner and runner-up trophies among students.
3.3 Alumni Meet-up & Bonfire 2017
On 15th December 2017 DCS Club Societies (CS & SE) arranged a healthy event of Alumni Meet up & Bonfire party to strengthen the relations of current students with alumni to empower their professional scope and market pace. Alumni from 2009th to 2013th batch were warmly invited and hosted over there. Dean Faculty of Sciences were invited as chief guests of the event. Event stood very informative and fruitful for undergraduate students as they got the edge to have a handshake with professionals of their domain in a quite cooperative and friendly atmosphere and learned a lot about different tools and technologies that are being used for software development and maintenance in the modern era. Both faculty and alumni also motivated students to be more enthusiastic and devoted to learning more and develop a professional attitude from the beginning. The Prize Distribution ceremony was also the part of this event in which winners of the intra-departmental sports competition were awarded trophies. Overall the event stood very remarkable and cast a positive impact on all the audience.

3.4 Cyber Issues in Medical and Healthcare Infrastructure
Junaid has over 15 years of exciting experience in academia, industry, law- enforcement, and in the corporate world in information and cyber security domain. After getting his Ph.D. in Cyber Security from Ajou University, Junaid obtained training at Harvard Business School, University of Amsterdam, and Kaspersky Research Lab in cyber hunting and training. He is a Senior Member of IEEE, a Practicing Engineer, member of High Technology Crime Investigation Association (HTCIA), Australian Computing Society, Australian Information Security Association, and frequently volunteers in promotion of science through public speaking, conference organization, and by editing the scientific journals i.e. IEEE Access, Computer and Security by Elsevier, IEEE Internet Policy and IEEE Future Directions, and board member of tech startups. Currently, he is conducting cutting-edge research on cyber security vulnerabilities and their countermeasures in healthcare and public health sector at Security Research Institute (SRI), Edith Cowan University. He has authored three books and 75+ research papers. He received awards for his research achievements from Government of South Korea, Qatar, Pakistan and from Saudi Arabia. Junaid believes in collaborative research and actively seeks opportunities to collaborate in developing solutions in cross-disciplinary domains.
3.5 Presentation of Research Paper and participation in FIT 2017 by Mr. Shahbaz Ahmad Sahi

Mr. Shahbaz Ahmad Sahi, Lecturer at Department of Computer Sciences, National Textile University, Faisalabad has presented his research article in 15th International Conference on Frontiers of Information Technology (FIT’17) held at Islamabad, the beautiful capital of Pakistan. He also attended the tutorials on “Big Data and Use of Big Data” by Mudasser F. Wyne, National University, San Diego, USA.

Mr. Shahbaz Ahmad Sahi is carrying out research in Research Paper Recommender Systems and Information Retrieval in Digital Libraries.

3.6 Short Course Certificate Distribution Ceremony

To acknowledge and reward the efforts of the 71 candidates from the government sector, industry, different universities, and institutes, a Certificate Distribution Ceremony was held at NTU Main Hall on Friday, November 3, 2017. Dean FOS, Professor Dr. Zahid Rizwan was the
Chief Guest. Chairman Department of Computer Science, Mr. Waqar Ahmad, faculty members and staff also esteemed the ceremony.

The ceremony started with the recitation of Holy Quran. Chairman Department of Computer Science, Mr. Waqar Ahmad presented an overview, objective and intended outcome of the offered short-courses (i.e. Mobile App. Development, Web & Graphic Designing, Web Development using PHP & Wordpress, .net programming, Database Management System and Microsoft Office Specialist). Moreover, he addressed the audience, praised the program coordinator (Mr. M. Ayzed Mirza), course instructors (Mr. Muhammad Shahid, Mr. Shahbaz Ahmad, Mr. M. Ayzed Mirza, Mr. Abid Bashir and Mr. Muhammad) and successful candidates for their countless efforts. Dean FOS, Professor Dr. Zahid Rizwan, Mr. Waqar Ahmad and Dr. M. Asif Habib distributed certificates amongst the successful candidates. At the end of the ceremony, Chief Guest, Professor Dr. Zahid Rizwan congratulated the stakeholders and suggested that the department should offer the advanced version of these courses in next phase. The event was an achievement not only for the individuals who received the certificates but also for the university and specifically for the department. A proud moment indeed!

3.7 Industrial Tour BSCS-7th
For the professional development of final year students of Department of Computer Science, an industrial tour was arranged. The students visited “BullsEye Communications” located in Islamabad the beautiful capital of Pakistan. BullsEye Communications is a new breed creative agency that is one of the leading international industry in IT domain with technical expertise in Graphics Designing, App Development and 3D-Animation with latest tools and technologies. Regional manager Ali Waraich warmly hosted the students and tour coordinators Mr. Raheel Zafar and Mr. Muhammad. He briefed in detail about their place and pace in market, how they are working as a team and about their professional expertise in different tools. The tour stood very fruitfully and informative for the students and they get much inspiration and motivation about their worth in their respected field.
3.8 **Mr. Ulfat Imdad, MS Scholar Presented His Research Paper**

Mr. Ulfat Imdad, MS Scholar of the Department of Computer Science NTU presented his research article in the 13th International Conference on Emerging Technologies (ICET-2017) organized by Capital University of Science and Technology, HEC, and IEEE Mr. Ulfat is carrying his research under the supervision of Dr. Muhammad Asif (AP/Director Graduate Programs FOS) in a joint program with Queen's University, Canada.

3.9 **Presentation of Research Paper by Mr. Shahbaz Ahmad**

"Mr. Shahbaz Ahmad, Ph.D. scholar (Computer Science) at Department of Computer Sciences National Textile University, Faisalabad has presented his research article in an international conference held at Kasetsart University which is one of the oldest and top Universities in Thailand. This was funded by HEC Pakistan. Mr. Shahbaz is carrying his research on GIS-Based surveillance systems under the supervision of Dr. Muhammad Asif (AP/Director Graduate Programs FOS). Mr. Shahbaz has already published a number of impact factor journal papers and international refereed conference papers from his Ph.D. work"
3.10 Mr. Shahbaz Ahmad Ph.D. (CS) scholar won a travel grant from HEC

"Mr. Shahbaz Ahmad Ph.D. (CS) scholar under the supervision of Dr. Muhammad Asif at Department of Computer Science, National Textile University, Faisalabad has won a travel grant from HEC to present his Ph.D. research paper titled"


3.11 Department of Computer Science, Final Year Project Display’17 at NTU IT Center

Final Year Project (FYP) Display-2017 for the BSCS students of batch 2013-2017 was held in the ground and first floor of IT Center from 24-08-2017 to 25-08-2017. Twenty-one FYPs were displayed including mobile apps, games, conventional and textile industry-oriented software were displayed. All the projects were approved after internal and external evaluation. Some of the titles are Alumni Club, Exam Creator System, Online File Tracking System, Death Race, KnitProj, Fabric Processing Management System, Knitting Calculation App, NTU LMS, Online Student Portal (Project Coliseum), NTU Exam Management System, Bird Eye, Object
Recognition System, Software House Management System, Docket for All, Knight Hybrid Mission, Online Recruitment System, Electronic Health Recording and Smart Appointment, Health Care Monitoring System for Wearable Sensors and HR System of NTU (Leave Portal). Representatives from IT and textile industries visited the event. Mr. Saleem Akhtar (Sr. Manager IT, Ibrahim Fibers), Mr. Muhammad Ather Mujahid (Sr. Manager IT, Sitara Chemicals), Mr. Rana Shahid Masood (Dy. General Manager IT, Masood Textiles) and Mr. Kashif Hussain (General Manager IT, Kalash Industries) also visited the event and appreciated the student for their projects.

Prof. Dr. Tanveer Hussain (Rector NTU) accompanied by Prof. Dr. M. Tahir Hussain (Dean Academics), Dr. Zahid Rizwan (Dean FoS) and Mr. Zulfiqar Ahmad (Deputy Director Finance) inaugurated the event on Thursday, August 24, 2017. They visited the projects and appreciated the efforts of students and Computer Science department. Evaluators of the projects were Dr. Muhammad Sheraz Arshad Malik (Asst. Prof. GCU Faisalabad), Dr. Ahsan Latif (Asst. Prof. Agriculture University, Faisalabad) and Mr. Shakeel Faridi (Manager IT, Masood Textiles, Faisalabad).

3.12 Participation of Dr. Muhammad Asif as an adviser in P. Public Service Commission

Dr. Muhammad Asif Assistant professor /Director graduate programs faculty of science along with Mr. Mohsin Razi Ambassador (R) and Prof. Dr. Fakhar Lodhi, Dean Gift University has served Punjab public service commission as an advisor for the selection of Assistant professors computer science in the higher education department of Punjab. This is a great honor for National Textile University that one of its faculty members served the commission in Rawalpindi, Lahore, and Faisalabad.
3.13 XTC Super Gear Prize Distribution Ceremony

Prize Distribution Ceremony held at the end of the mega event on 20th May under the Observation of Chairman of DCS, Waqar Ahmed. The shields, Certificates & Trophies distributed among the Winners, Runner-ups, Participants as well as Students of DCS, FD, BBA & TD. There was a tie between the University of Central Punjab (FSD) & The University of Faisalabad for the "Home Trophy". For seek further click on the below-mentioned link.

3.14 Goonj-17 XTC Super Gear Annual Event of DCS

Department of Computer Science with the collaboration of CS Society, MS Scholar Society, Character Building Society, and Sports Society & Executive Society arranged the Mega Event named as “XTC Super Gear_GOONJ17” which contained technical as well as non-technical Competitions. XTC is a national level event. More than 1500 visitors and participants from 30 different institutes of Pakistan Participated in it.
3.15 Goonj-17 XTC Super Gear Annual Event of DCS, Inauguration Ceremony

Dr. Tanveer Hussain, Rector NTU, inaugurate the Mega Event named as “XTC Super Gear_GOONJ17”. Dr. Zafar Javed (Registrar NTU), Dr. Zahid Rizwan(Dean FOS), Farooq Jamal (Director Business incubation center), Muzammal Hussain(Advisor Student), Parvaiz Akhtar (Sports Officer), Waqar Ahmad (Deputy Director Officer & Chairman of DCS), M.ZABIHULLAH Khan(Controller of Examinations) as well Respected faculty of Department of Computer Science Joined this ceremony.

3.16 Department of Computer Science is going to conduct annual event XTC GOONJ’17

Department of Computer Science is going to conduct the annual event XTC GOONJ 17’ after the remarkable success of the last three sequels of the XTC. We are expecting the attendance of 2500-3000 students this time from all around Pakistan.
3.17 NTU has Signed an MOU with MTM for Academic Industrial Linkage

NTU has signed an MOU with MTM for academic-industrial linkage. Both organizations will collaborate for industrial research activities and will share resources with each other. This will include student internship program for student grooming.

3.18 NTU has signed an MOU with UAF for RESEARCH collaboration, academic & Resources.

NTU has signed an MOU with UAF for collaboration in research, academic, Project and sharing of Resources. Dr. Muhammad Asif Habib (Assistant Professor) from NTU and MR. Tasleem Mustafa from UAF will be the focal person.
Dr. Muhammad Asif Habib (Assistant Professor) has been selected as a member of National Curriculum Revision Committee (NCRC) HEC. The NCRC will work on the curricular revision of BS and MS Programs in the field of Computer Science, Software Engineering, and Information Technology.

This is an honor for the Department of Computer Science, National Textile University that a faculty member of the Department will contribute in the curricular revision of BS and MS program for all Universities of Pakistan under HEC Pakistan.

In this regard, the primary meeting of NCRC in the discipline of CS, IT and SE is scheduled to be held from April 04 – 06, 2017 at LID Hall HEC, Islamabad.

3.19 Industry-Academia Linkage Meeting for IT

Waqar Ahmad, Chairman Computer Science Department, and Mr. Shehzad Ahmad, Director IT participated in a meeting to promote industry-academia linkage which was held at Serena Hotel, Faisalabad on March 14, 2017. This meeting was arranged by Society of IT Professionals (SIP). IT Heads\Representatives of following industries were present:

- Klash Pvt Ltd
- Arshad Group
- United Industries Limited
- Serena Hotel
- Ibrahim Fibres Ltd,
- Sitara Chemical
- MK SONS
- Sadaqat Limited

IT Chairpersons\Representatives of five universities of Faisalabad (University of Agriculture, GC University, University of Sargodha, FAST Chiniot Campus and National Textile University) also participated in the meeting.
3.20 Software Design Workshop
Computer Science Society has successfully organized Software Design Workshop on March 17, 2017, at Lab 3, IT Center. Mr. Shahid is the speaker of this workshop.

3.21 Farewell of Dr. Nouman Ali, A respected faculty member of CS Department
A farewell party was arranged in the honor of Dr. Nouman Ali, a great teacher. He was an asset to the Computer Science Department. All the faculty members of CS Department were present at this special occasion. A shield was awarded to Dr. Nouman Ali by the administration of National Textile University.
3.22 NTU Positions in BARSALEGO 17’ Competition at FAST-NU (Chiniot Campus)

National Textile University students took part in Barsalego 17’ a Mega Event held in FAST-NU (Chiniot Campus) and won significant positions. Overall 2nd position in all institutes who took part in this National Competition. Department of Computer Science and Department of Design prove their abilities and talent in the event with the highest number of positions in their concerned fields. We are looking forward to a bright future of our students in Technical as well as Non-Technical abilities. Following are details of the positions:

<table>
<thead>
<tr>
<th>Competitions</th>
<th>Position</th>
<th>Student Name</th>
<th>Department</th>
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<tbody>
<tr>
<td>Quizathon</td>
<td>2nd Position</td>
<td>Zeeshan Shabbir</td>
<td>CS</td>
</tr>
<tr>
<td>Web Development</td>
<td>2nd Position</td>
<td>Abuzar, Hassan Siddique</td>
<td>CS</td>
</tr>
<tr>
<td>E-Gamming (Call of Duty)</td>
<td>1st Position</td>
<td>Tashif Bhatti, Fahad Mehmood, Usama,</td>
<td>CS</td>
</tr>
<tr>
<td>E-Gamming (Need for Speed)</td>
<td>1st Position</td>
<td>Hussnain Ayub</td>
<td>DMS</td>
</tr>
<tr>
<td>Graffiti</td>
<td>1st Position</td>
<td>Mazhar Hussain, Zesshan Ali, Hira Ajmal</td>
<td>DOD</td>
</tr>
<tr>
<td>Graffiti</td>
<td>2nd Position</td>
<td>Kashif Jameel, Kashaf Amjad, Ahsan Khalil</td>
<td>DOD</td>
</tr>
<tr>
<td>Paint a Dream</td>
<td>1st Position</td>
<td>Kashif Jameel</td>
<td>DOD</td>
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<tr>
<td>Paint a Dream</td>
<td>3rd Position</td>
<td>Mazhar Hussain</td>
<td>DOD</td>
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<tr>
<td>Pencil Sketch</td>
<td>1st Position</td>
<td>Kashif Jameel</td>
<td>DOD</td>
</tr>
<tr>
<td>Pencil Sketch</td>
<td>2nd Position</td>
<td>Mazhar Hussain</td>
<td>DOD</td>
</tr>
<tr>
<td>Poster Design</td>
<td>2nd Position</td>
<td>Zeeshan Ali, Kashif Jameel</td>
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<tr>
<td>Photography</td>
<td>2nd Position</td>
<td>Zeeshan Ali</td>
<td>DOD</td>
</tr>
</tbody>
</table>
3.23 Welcome of Dr. Mudassar Ahmad, a new faculty member of CS Department
A dinner was arranged in the honor of Dr. Mudassar Ahmad a new member of Computer Science Department to welcome him to CS family. All the faculty members of CS Department were present at this happy event.

3.24 A delegation of Society of Information Technology Professionals (SIP) visited DCS
A delegation of Society of Information Technology Professionals (SIP) visited Department of Computer Science for Strengthening of Industry-Academia Linkage. President SIP Mr. Saleem Akhtar, Mr. Athar Mujahid (IT Manager Sitara Chemicals) and Mr. Tariq Azhar (IT Manager Sadaqat Group) participated and discussed different ideas for the collaboration between NTU and DCS. The worthy Rector Prof. Dr. Tanveer Hussain endorsed the different ideas proposed by SIP and DCS. As a first step, DCS is going to launch an industry-oriented course from the SIP professionals.