



EDITION 2022-23

**COMPUTER SCIENCE,
FORMAN CHRISTIAN COLLEGE
(A CHARTERED UNIVERSITY)**

NEWSLETTER

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ABOUT THE DEPARTMENT

The Department of Computer Science is located in the Armacost/Science-building. It is offering BS and MS programs in Computer Science to more than 600 students. All this with the untiring effort of our highly qualified and experienced faculty members. Every year more than 150 students graduate from the department. Our alumni are currently serving at prestigious organizations locally and internationally. Many of our students are enrolled in PhD programs in internationally ranked universities. We are actively expanding our collaborations with the industry to better align our programs with the industry demand. In this newsletter you will see the vibrant culture of our departments and view the exuberating activities in 2022-2023 by our faculty members as well as students.





WELCOME NOTE

Greetings. It is with great enthusiasm that I welcome you to the 2023 edition of the Department of Computer Science's newsletter. This gives us an opportunity to celebrate the accomplishments of our students, showcase the innovative research conducted by our faculty, and highlight the numerous initiatives, collaborations, workshops, and events that have enriched the academic experience of our Computer Science community. From hackathons that foster teamwork and ingenuity to industry lectures that expand our horizons, our department remains committed to nurturing both intellectual growth and practical skills.

The challenges and opportunities in the field of Computer Science are more exciting than ever. Developments in Artificial Intelligence, Data Science, Cyber Security, and Software Engineering are playing a pivotal role in shaping the future. Looking at the department's very talented faculty, staff, alumni, and students; the continued support of the Dean's office and FCC administration I know the department is poised for even greater achievements in its future.

I hope you will enjoy reading our newsletter and share our highlights with friends, colleagues, and family.

Mubashar Mushtaq, PhD
Associate Professor and Chair
Department of Computer Science



Dr. Mubashar Mushtaq

Chair, Department of Computer
Science



OUR SHINING STARS

In the year 2022-2023 our students and faculty members received several awards and recognition. Thus leveraging our cause of increasing quality students, who excel in their domain and make us proud of them.

AIEF National AI Championship

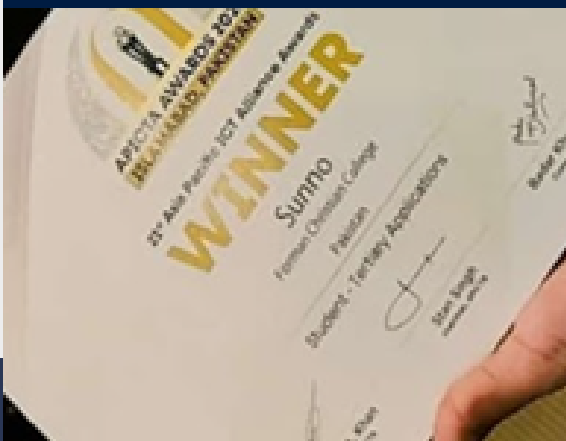
First position and prize of Rs. 500,000/-: Sawaiz Naseem and Omer Farooq supervised by Dr. Muhammad Haroon Shakeel from the Department of Computer Science- FCCU, participated in the AIEF National AI Championship held at LUMS on 22nd July 2023. The competition featured over 200 teams across the nation, and the students presented our Final Year Project (FA22-SP23) titled "2D Face Frontalization from a Side View through AI." They secured the first prize of Rs. 500,000, demonstrating their exceptional talent and hard work.

The primary objective of this project was to generate the frontal view of a person's face from a side view using Generative AI techniques. The potential applications of this technology extend to various fields, including surveillance, person identification, and support for law enforcement agencies.



**Artificial Intelligence
Education Foundation**

STUDENTS



Asia Pacific ICT Alliance - APICTA AWARD

Winners at 21st Asia Pacific ICT Alliance Award: A team of BS Computer Science students comprising of Hassan Shakoor, Ahmed Yasser and Rifa Salman under the supervision of Dr. Aaasia Khanum, Dr. Sidra Minhas and Dr. Haroon Shakeel was declared 'Winner' in tertiary student category at 21st Asia Pacific ICT Alliance (APICTA) Awards 2022 held in Islamabad. The students pitched their project 'Sunno' in front of a panel of experienced international judges and proved to be the best application in terms of uniqueness, technology, scalability and other factors. 'Sunno' is an android application aimed at converting spoken, written or verbal input into Pakistan Sign Language.. This aims at bridging communication gap for the hearing-impaired people and provide a way of home schooling for them. APICTA ceremony, also known as Oscars of the IT industry, was held from 7th to 11th December in Islamabad and winners were announced in the closing awards ceremony on 11th December. The event of attended by over 150 delegates from 16 economies like Malaysia, Hong Kong, Thailand, China, Sri Lanka etc. and Pakistan topped the list of winners by winning the most awards.



P@SHA ICT Award

P@SHA ICT Award Winners: Students of the Department of Computer Science, FCCU brought home the most prestigious P@SHA ICT Award for the first time. Undergraduate students Hassan Shakoor Rana, Ahmed Yasser, and Rifa Salman transformed a thesis conducted by Mr. Sharoon Nasim into an android mobile application, displaying the method of R&D, and won the Gold Award in the Tertiary Students category after competing against 90 projects.

The theme of this application has also attained recognition at various venues including the 2nd Runner award at 3MT Computer Project Exhibition & Competition (COMPPEC, 22) held at NUST, Islamabad, and Best Project Award at Computer Science Senior Project Exhibition (COMPSPEX-22) held at FC College, Lahore and at P@SHA ICT Awards.



Waste Ledger

A Smart Garbage Collection Solution



Muhammad Tayyab

(Embedded Systems, Web Development)



Aleena Ali Azeem

(Embedded Systems, Web Development)

Waste Ledger - NICL

Selected by NICL Cohort 11: Two students of Computer Science department, Muhammad Tayyab and Aleena Azeem, pitched their project "Waste Ledger" for the NICL, Cohort 11. After rigorous in-person and online interviews, they have been selected to join NICL Cohort 11 through which they will be provided with office space, technical training and other facilities to develop a fully marketable solution for their project. Their idea stems from the critical problem of waste management especially in urban areas, which will be dealt with a network of smart dustbins connected through a web interface to identify which bins are filled and need emptying while employing route planning to guide garbage trucks.

Our Shining Stars



SOFTEC'23

Winner at SOFTEC'23: We are pleased to announce a triumphant Achievement by a team of our three seniors students, Sawaiz Naseem, Omer Farooq, and Muhammad Arham, who emerged as the winners of the highly competitive AI Competition at SOFTEC'23, hosted by FAST NUCES in Lahore. The event took place from May 5th to May 7th, 2023, and brought together bright minds from various institutions to showcase their expertise and innovations in the field of technology. The AI Competition covered various facets of artificial intelligence, encompassing complex problem-solving. Our students, working under the mentorship of Dr. Muhammad Haroon Shakeel, demonstrated remarkable ability to devise innovative solution and navigate the intricate challenges to the problem posed at the competition.



STUDENTS



Hackathon @ FAST University

Winners of Hackathon: Laiba Qayyum and Aleena Ali Azeem took part in an IOT hackathon held at FAST university Lahore, hosted by an IOT company called Grandeur. There were several teams from other Universities, and our students came first. their project comprised of a hand gesture device that is linked to TV and phone.

FACULTY MEMBERS

S P O T L I G H T



Dr. Aasia Khanum was featured by Women of Pakistan in their “Women of Pakistan in STEM” project. The project was produced with the support of the US Mission in Pakistan and Pakistan US Alumni Network (PUAN).

Dr. Muhammad Haroon Shakeel from the Department of Computer Science is awarded the “Outstanding Teacher of the Year 2022” award at FCCU Annual Commencement 2022, held on 26th November 2022.



ACTIVITIES

ACTIVITIES UNDER THE DEPARTMENT

Being a thriving and energetic community, a large number of extracurricular as well as research activities were conducted by both faculty members and students, here are the glimpses of their hard work.

Research / Publications

- Mehmood, Mavra, Nasser Alshammari, Saad Awadh Alanazi, Asma Basharat, Fahad Ahmad, Muhammad Sajjad, and Kashaf Junaid, (2022), "Improved Colorization and Classification of Intracranial Tumor Expanse in MRI Images via Hybrid Scheme of Pix2Pix-cGANs and NASNet-Large." *Journal of King Saud University-Computer and Information Sciences* .
- Abid, R., Rizwan, M., Veselý, P., Basharat, A., Tariq, U. and Javed, A.R., {2022}. "Social Networking Security during COVID-19: A Systematic Literature Review". *Wireless Communications and Mobile Computing*,
- Mohiyuddin, A., Basharat, A., Ghani, U., Peter, V., Abbas, S., Naeem, O.B. and Rizwan, M., (2022). "Breast Tumor Detection and Classification in Mammogram Images Using Modified YOLOv5 Network". *Computational and Mathematical Methods in Medicine*, .
- Asma Basharat, Mohd Murtadha,,(2022) "Security Challenges and Solutions for Internet of Things based Smart Agriculture: A Review",, 4th International Conference on Smart Sensors and Application (ICSSA '22) in Kuala Lumpur, Malaysia held on 26-28 July 2022.
- Asma Basharat, Mohd Murtadha, Attiya Khan, Machine,(2022), " Learning Techniques for Intrusion Detection In Smart Healthcare Systems: A Comparative Analysis", 4th International Conference on Smart Sensors and Application (ICSSA '22) in Kuala Lumpur, Malaysia held on 26-28 July, 2022
- Sharoon Nasim-S. Nasim, Z. Zahid, and N. Sabahat,(2023), "Requirement Elicitation using Natural Language Processing", *Research Journal Of Computer Science And Information Technology*, vol. 7, no. 01, pp. 1-6, Jan. 2023.
- A. Akhtar, S Minhas, N. Sabahat, A. Khanum, (2022),"A Deep Longitudinal Model for Mild Cognitive Impairment to Alzheimer's Disease Conversion Prediction in Low-Income Countries", *Journal of Applied Computational Intelligence and Soft Computing*, 2022.

Activities



FACULTY

Research / Publications

- S. Kazmi, S. Minhas,(2022)," Prospects of Computer-Enabled Voting Systems in Pakistan, LGU Research Journal of Computer Science and IT: 6(3),
- P. Philip, S. Minhas,(2022), "A Brief Survey on Natural Language Processing Based Text Generation and Evaluation Techniques", VFAST Transactions on Software Engineering, 10(3): 24-36, 2022
- A. Abubakar, S. Minhas, (2022), "A survey paper on blockchain and its implementation to reduce security risks in various domains", LGU Research Journal of Computer Science and IT: 6(4).
- K. Haroon, S. Minhas,(2023),"Machine Learning Approaches for Prediction of Mental health issues in adolescents", VFAST Transactions of Software Engineering, 11(1):37-50, 23
- Ayesha Khan, Naseer, A., Hussain, S., Zafar, K. and Khan, A., (2022). "A novel normal to tangent line (NTL) algorithm for scale invariant feature extraction for Urdu OCR". International Journal on Document Analysis and Recognition (IJDAR), 25(1), pp.51-6
- Dr. Ayesha Khan-Malik, Y.S., Tamoor, M., Naseer, A., Wali, A. and Khan, A., 2022. Applying an adaptive Otsu-based initialization algorithm to optimize active contour models for skin lesion segmentation. Journal of X-Ray Science and Technology, (Preprint), pp.1-16.
- Malik, Y.S., Tamoor, M., Naseer, A., Wali, A. and Khan, A., (2022). "Applying an adaptive Otsu-based initialization algorithm to optimize active contour models for skin lesion segmentation". Journal of X-Ray Science and Technology, (Preprint), pp.1-16.
- Naseer, A., Tamoor, M., & Azhar, A. (2022). "Computer-aided COVID-19 diagnosis and a comparison of deep learners using augmented CXRs". Journal of X-ray Science and Technology, 30(1), 89-109.
- Raza, N., Naseer, A., Tamoor, M., & Zafar, K. (2023). Alzheimer Disease Classification through Transfer Learning Approach. Diagnostics, 13(4), 801.
- Wali, A., Ahmad, M., Naseer, A., Tamoor, M., & Gilani, S. A. M. StynMedGAN: Medical images augmentation using a new GAN model for improved diagnosis of diseases. Journal of Intelligent & Fuzzy Systems, (Preprint), 1-18.
- Naseer, A., Tamoor, M., Khan, A., Akram, D. and Javaid, Z., (2023). Occupancy detection via thermol sensors for energy consumption reduction. Multimedia Tools and Applications.
- Muhammad Salman Chaudhry - Hussain, S., Munir, U., Chaudhry, M. S.,(2022) "Visualizing Impact of Weather on Traffic Congestion Prediction: A Quantitative Study", International Journal of Innovations in Science & Technology, 3(4), PP. 210–222, IF: 4.312

Activities

FACULTY

Research /Publicatiobns

- Omer Sajid, Samia Asloob Qureshi, Rabranea Bqa, (2023) "Incube: The Project Repository based on Blockchain", Springer Book Series Communications in Computer and Information Science (CCIS) .
- A. Haider and N. Sabahat, (2022) "A Usability and Accuracy Measurement of Smartphones Face Recognition," , 2nd International Conference on Artificial Intelligence (ICAI), pp. 19-25, doi: 10.1109/ICAI55435.2022.9773408.
- A. Akhtar, S. Minhas, N. Sabahat, and A. Khanum., (2022), "A Deep Longitudinal Model for Mild Cognitive Impairment to Alzheimer's Disease Conversion Prediction in Low-Income Countries." Applied Computational Intelligence and Soft Computing 2022 .
- K. Haroon, S. Minhas, N. Sabahat, (2023), "Machine Learning Approaches for Prediction of Mental health issues in adolescents", VFAST Transactions of Software Engineering, 11(1): 37 - 50,
- S. Nasim, Z. Zahid, N. Sabahat, (2023), "Requirement Elicitation using Natural Language Processing", LGU Research Journal of Computer Science & IT, Vol. 7 Issue 1, January - doi: 10.54692/igurjcsit.2023.0701316 .
- Bismal Majeed, Saba Khalil Toor, Kanwal Majeed, Moazzama Nadeem, (2022), "Comparative Study of Open Source Automation Testing Tools: Selenium, Katalon Studio & Test Project". IEEE Xplore, DOI: [10.1109/ICIC53490.2021.969](https://doi.org/10.1109/ICIC53490.2021.969)

STUDENTS BRANCHES / CHAPTERS / SOCIETIES

ACTIVITIES UNDER THE DEPARTMENT

Students of Computer Science department are involved in many extracurricular activities and are members of student societies and chapters. Here are the activities that have been conducted by students under the umbrella of these societies/chapters.



FRESHMAN WEEK STALL - FALL - To spread about our society initiatives FCCU.

IEEE were able to attract a lot of attention and in addition to freshmen, the current student body also learned more about our society as the latest initiative in FCCU.

IEEE STUDENT BRANCH

Here are the list of events and collaborations of IEEE Student Chapter



IEEE FCC
FORMAN CHRISTIAN COLLEGE UNIVERSITY

Students Branches / Chapters / Societies



XR Hackathon Participation- Competition at FCCU

The Inter-University event focused on brainstorming and ideation to come up with real life use-cases of innovations that are possible with immersive technologies in different domains such as environmental sustainability, medical and healthcare, cultural heritage, architecture and construction, along with the educational sector.



Global Land Cover Monitoring By Dr Matt Hansen, and Dr Ahmad Khan.

"The lab investigates methods, causes and impacts of global land surface change. Dr Matt and Dr Ahmad shared their knowledge and work on the subject in a lecture designed to captivate and fascinate all those present. "



IEEE SOCIETY

Students Branches / Chapters / Societies



Won LUMS Start-up Weekend

This was an event in collaboration with Google for Start-ups. 15 startups from across Pakistan were mentored throughout the weekend before they pitched to a panel of judges selected by NICL. Dr. Zartash Uzmi, Mr. Badar Khushnood, and Dr. Nauman

Mega Job Fair Volunteer

"n this Job Fair, 115+ potential employers conducted on-spot interviews, collected résumés, and shared information about their recruitment policies, company profiles and hiring procedures with FCC students and graduates. Volunteers' duties:

- Guide the participants to their stalls
- Receive and reet the participants
- Assist the participants in setting up their stalls
- Assist the Career Services Office staff for the smooth running of the event
- Fulfill other duties as assigned by the supervisor



IEEE VS OMNILIFE

This cricket match between two formidable Computer Science societies brought the community together and gave everyone a chance to take a break from their hectic routines.



IEEE SOCIETY

Students Branches / Chapters / Societies



Here are the list of events and collaborations of ACM Student Chapter for the year 2022-2023:

Insight & Scope of Blockchain & Web3

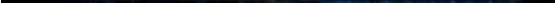
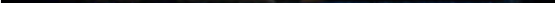
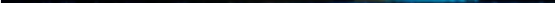
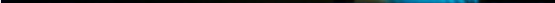
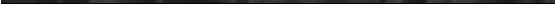
Participants learned about the benefits of using blockchain to secure online transactions, store data, and streamline processes.

Valorant Competition

Competition of gaming enthusiasts.
Achievement: Winners were awarded with shields and certificates;
All participants were rewarded with certificates.

Call of Duty

Open House Gaming for students of FCCU within Freshmen week. Freshmen students came to know about the activities of the University and understand how diverse the University is.



ACM Student Chapter



Students Branches / Chapters / Societies



Cross Platform Development with Flutter

Flutter is an open-source framework by Google for building aesthetically pleasing natively compiled, multi-platform applications from a single codebase. ACM held this session to help students learn about Flutter and its advantages.

Study In Germany

The seminar was held on admissions in universities of Germany to help students understand how they can get admissions in German Universities. Students came to learn about the insights of studying in Germany and the procedure to secure admission in German Universities.



ACM STUDENT CHAPTER

Students Branches / Chapters / Societies



VISION



Time to make AR and VR a part of your reality

We intend to focus on three particular aspects: **awareness, experience & opportunity.** For this reason, we have curated our core activities to specifically meet these demands!

Creating a Chapter of the AR VR Association

VR/AR Association (VRARA) is an international organization with 70+ Chapters in major cities across the globe, and a global member community of the best minds in virtual and augmented reality.



Omnilife' is a new society in the Computer Science department with an agenda to focus on, and promote elements of virtual reality, augmented reality and extended reality.

We intend to organize hands on workshops, webinars, social events using VR headsets, multidisciplinary charrettes to innovate solutions for real-world problems, and much more!

OMNILIFE CORE ACTIVITIES

- Hands on Workshops/Webinars/Panel discussions focused to upskill society members and interested students around the topics of VR and AR
- Social Events: Gaming nights with VR headsets to experience state-of-the-art technology projects
- Industry Collaborations: Technology Consulting and Collaborative Development Projects
- Internal Development Projects
- Knowledge Creation and Distribution: Collecting resources, Publishing thought pieces and review articles to shape the realm of AR/VR



OMNILIFE

Students Branches / Chapters / Societies



Talks/Seminars

- **The future of VR/AR (Seminar/ Talk)** – main objective of this talk was to identify the role of VR/AR in the future. As our first webinar, it was a massive success. Many students participated and got to know about immersive reality technologies
- **Interaction of Block chain with the Metaverse (Seminar/ Talk)** – the goal of this talk was to learn more about what the metaverse is, what block chain is, and how these two technologies coincide with each other. Massive participation. Students had tons of questions about how these two technologies overlap with each other and wanted to know more about how they can benefit from them.

Freshmen Week Stall – Fall

To spread knowledge about our society initiatives. We were able to attract a lot of attention and in addition to freshmen, the current student body also learned more about our society as the latest initiative in FCCU.

Urmaan Gender, Tech, and Mobility Hackathon

Participants were asked to propose creative technological solutions to issues of women's mobility in Pakistan, using a combination of diverse skill sets, domain knowledge, and evidence-based interventions

One of our teams got an honorable mention for their idea in the Urmaan Hackathon and were invited to reach out to the National Incubation Centre.



OMNILIFE

Students Branches / Chapters / Societies



- **Introduction to VR/AR (Seminar/ Talk)** - Our guest was Tim Truesdale and his presence made the event very thrilling. He was able to share insights about international standards in the VR/AR space and highlighted how there is a massive need for developers in the area. This made students more enthusiastic about exploring immersive technologies.
- **Movie Screening: Tron Legacy** - We wanted to show films that were futuristic and showed how technology is constantly evolving. Many students enjoyed the movie screening and were fascinated about how technology is rapidly evolving and how everything is now shifting towards the metaverse.
- **Utilizing Web 3 for Citizen Diplomacy (Seminar/ Talk)** - The objective was to show how Web 3 can be used to promote citizen diplomacy. Our guest speaker was Lydia Scherr, founder of the People's Accord. Students from various universities joined this webinar. Citizen Diplomacy appears to be a modern concept and it was broken down and explained very well by our guest speaker. She then illustrated how Web 3 can be used to increase interconnectivity all over the world and promote citizen diplomacy. Students got to learn about the interconnectedness in different domains of education.

Stall at Lahore Science Mela

To represent Forman Christian College at the largest Science Mela in Pakistan.

Omnilife was the only society who set up a stall at the mela on behalf of Forman Christian College. This put our university on the map on the largest stage as a frontrunner in new and innovative initiatives.



OMNILIFE



VRCAD E

Our development team created personalized AR filters and deployed a shooting gallery game to the VR headsets that they created themselves. These projects were showcased at the event which foresaw massive participation. Students thoroughly enjoyed the gaming tournament and got to take a break from their hectic routines as well.

Femmetech (Seminar/ Talk)

Event empowered female students to express themselves in the gaming and tech industry. After hearing from accomplished women in the industry, they were motivated to overcome any and all obstacles to reach their goals.

Programming Competition – this competition was held to test coding skills of students



OMNILIFE

Students Branches / Chapters / Societies



Unlocking the Metaverse: Harnessing the Power of VR/AR (Seminar/ Talk)

An educational seminar on emerging technologies on themes such as virtual economies, metaverse infrastructure, user experience and interaction of AR/VR. Our collaboration with Narsun Studios paved the way for them to show their willingness in signing a MOU with our institution and students who attended the seminar got to learn more about the working of a metaverse.

Mini Hackathon

To test the problem solving and ideation skills of students. Students learned more about the startup culture in Pakistan and were urged to participate in incubation programs

XR Hackathon 22

The Inter-University event focused on brainstorming and ideation to come up with real life use-cases of innovations that are possible with immersive technologies in different domains such as environmental sustainability, medical and healthcare, cultural heritage, architecture and construction, along with the educational sector.



OMNILIFE

Students Branches / Chapters / Societies



Stall at Advising Fair (Awareness Activity)

We wanted to promote cross departmental collaboration by inviting students from other departments to experience our headsets and virtual reality. We were extremely successful in our mission of promoting cross departmental collaboration as we went on to collaborate with the Business Department to develop a strategy game in VR for one of their courses, i.e., Change Management (CM) BUSN 453

Stall at Future Fest

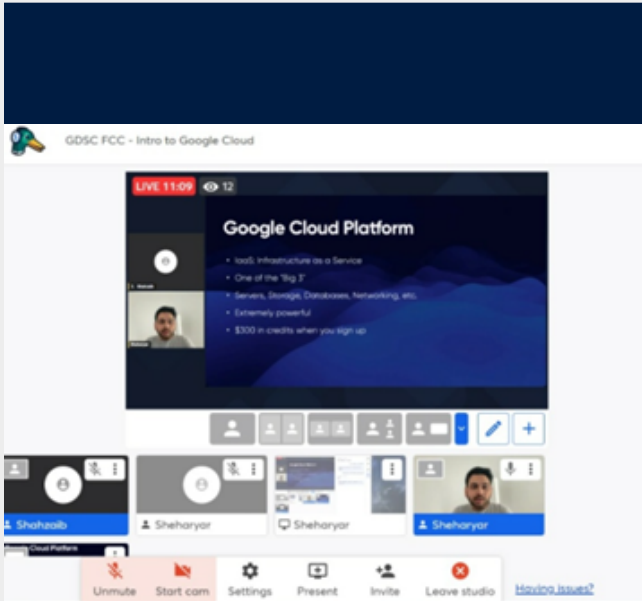
The stall at FutureFest was given to us free of cost because our development team did some work for the organizers. We were the one and only student society with a stall at the biggest Tech Expo of Pakistan. As the official representatives of Forman Christian College, it was an honor for our development team to showcase the applications that they had worked on. We received many offers on collaboration from industry leaders and we will be organizing workshops with them in the future.

VRCADE

Our development team created personalized AR filters and deployed a shooting gallery game to the VR headsets that they created themselves. These projects were showcased at the event which foresaw massive participation. Students thoroughly enjoyed the gaming tournament and got to take a break from their hectic routines as well.

OMNILIFE

Students Branches / Chapter / Societies



Mock Tech Interviews with Arbisoft

Partnering with Arbisoft, a distinguished software house, we organized mock tech interviews that offered our students a realistic glimpse into the job interview process. Participants honed their interview skills, gaining a competitive edge in the industry.

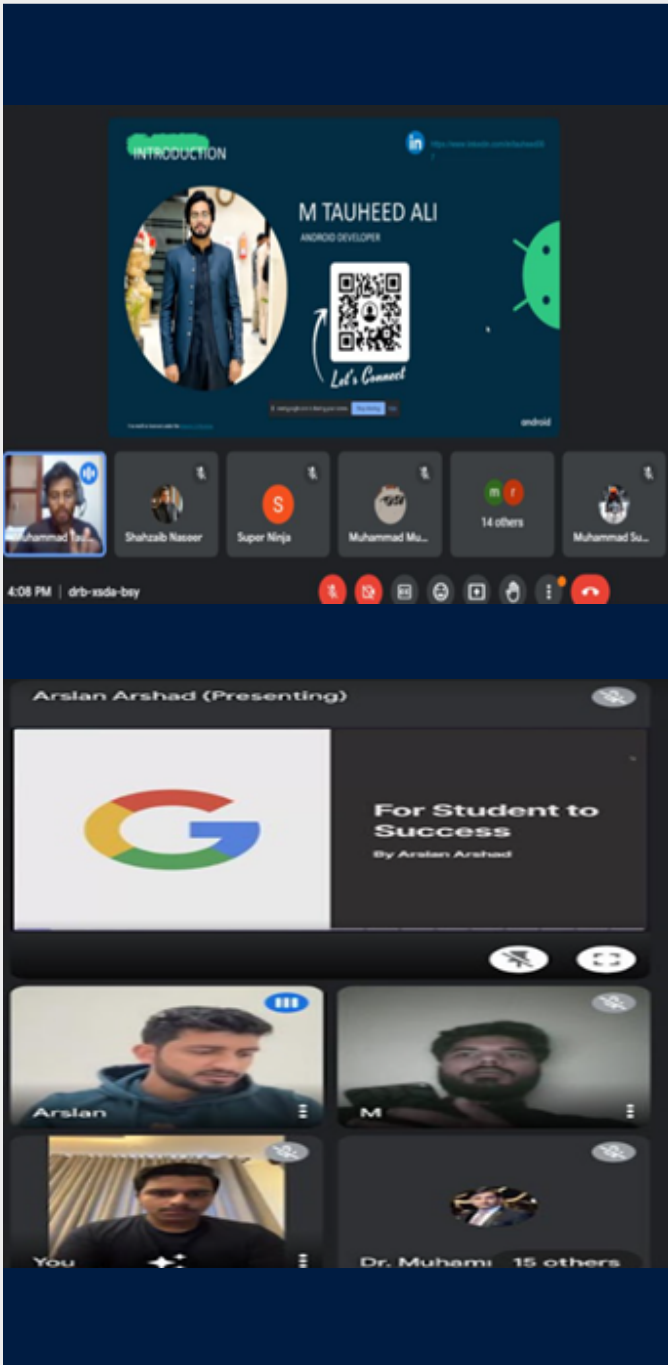
Webinar: Introduction to Google Cloud by Sheharyar Naseer

Shehryar Naseer's informative webinar introduced students to the world of Google Cloud services. Attendees gained a deeper understanding of cloud computing concepts and explored the potential applications of Google Cloud.



Google Developer Student Club

Students Branches / Chapters / Societies



Webinar: Android App Development by Tauheed Ali

In this insightful session, Tauheed Ali, an Android app development expert, guided students through the fundamentals of creating efficient and user-friendly mobile applications.

Webinar: Android App Development by Tauheed Ali

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E V E N T S



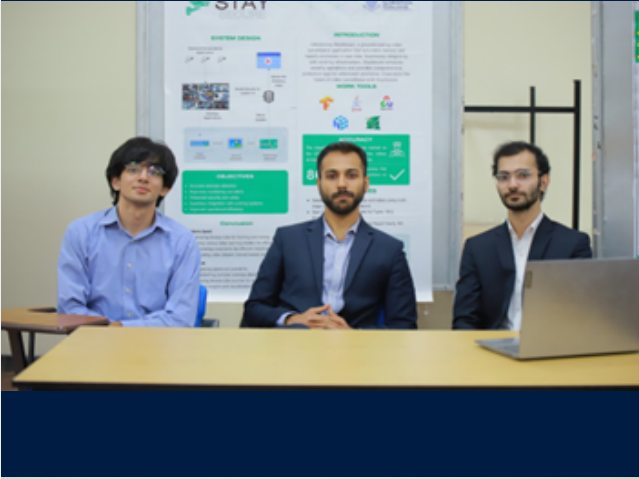
COMSPEX SPRING '23

Students with outstanding achievements included Mr Hassan Shakoor Rana, Ms. Rifa Salman and Mr. Ahmed Yasser for winning P@SHA and APICTA ICT Awards for their project Sunno and Mr. Muhammad Tayyab and Ms. Aleena Azeem were selected for National Incubation Center Lahore (NICL), Cohort 11 for their project "Waste Ledger"



COMSPEX SPRING '23

Events



Students with outstanding achievements included Mr Hassan Shakoor Rana, Ms. Rifa Salman and Mr. Ahmed Yasser for winning P@SHA and AICTA ICT Awards for their project Sunno and Mr. Muhammad Tayyab and Ms. Aleena Azeem were selected for National Incubation Center Lahore (NICL), Cohort 11 for their project "Waste Ledger"



COMSPEX SPRING '23

Events



Guest Lecture - Dr. Usman Akram

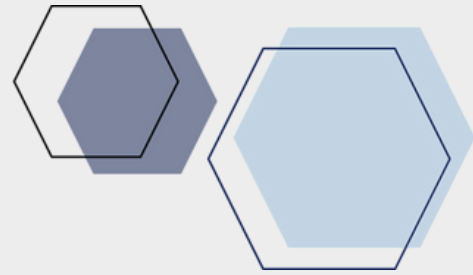
We were honored to host Professor Dr. Usman Akram on campus for a guest lecture on Applications of Artificial Intelligence in Health tech on 3rd Nov 2022. Dr. Usman is a distinguished academician, researcher, and entrepreneur in Computer Science and Engineering with an international acclaim. The lecture was highly requested by our students and faculty and a huge inspiration for all to follow the challenging yet rewarding path of Techpreneurship. We are so grateful to Dr. Usman Akram for his time and energy.



Events



CODE GENESIS



An industry talk was organized by CS department senior project committee. Mr. Yameen Akhtar and Mr. Hassaan Farooq from The Code Genesis shared with the Final Year students' valuable insights regarding how to make a commercial project in terms of architecture, maintainability, efficiency etc. of the code. Students asked questions regarding implementation and integration of their projects as well. It was a great fruitful event and a wonderful learning experience for the students.

Department of Computer Science



FORMAN CHRISTIAN COLLEGE
(A CHARTERED UNIVERSITY)

Sproj Committee brings you a one-on-one
QA session with

TheCodeGenesis.com

Learn how to start making a commercial projects,
architectures to follow, reduce spacetime
complexity and get a chance to ask questions
regarding your projects!

**Attendance is mandatory for COMP 407 B students. All senior
students are encouraged to join.*

Date: Monday, 18th
July 2022

Venue: 8-009

Time: 4:00 – 5:00pm

Code Genesis



Events

Orientation

Major orientation for freshmen and sophomore students was conducted by Dr Sidra Minhas and Mr Sharoon Naseem on 15th February, 2023 in S-009. The event was attended by Dr. Atiq-ur-Rehman, Head of Academic Advising, FCCU. A detailed discussion about core courses, elective courses and designing the roadmap so as to graduate on time was conducted. In the end, a graduating student, Mr. Muhammad Tayyab was invited to share his success story with his juniors. He stressed upon time-management, channelizing energy towards technological advances and self-learning.

Algorand Blockchain Framework

A talk on "Algorand Blockchain Framework and How Blockchain Will Change the World?" has been conducted by the Department of Computer Science at FCCU.

Algorand Inc is a Boston-based open-source software company working towards building a borderless economy. The head of Algorand Inc.'s university programs, Miss Doro Unger Lee, was keynote speaker. She and her team gave the deep insight of algorand programs and its applications. A second guest speaker, Ahmed Manzoor Khan, CEO of the Pakistan Blockchain Institute, was also invited to inspire students on how to pursue careers in the blockchain industry.



Events



Mindstorm Recruitment Drive

Mind Storm recruitment drive was held at FCCU on 16th May 2023. More than 20 students from the Computer Science department registered and appeared for the online test.





MOU SIGNED – DEAF REACH FOUNDATION

An MoU signing event was hosted by department of computer science. It was signed between Deaf Reach Foundation and Forman Christian College, Department of Computer Science for continued assistance for the project “Sunno”. “Sunno” is an android application developed to convert Text/Words to their respective Pakistan Sign Language (PSL) lexicon. The PSL data compiled by the Deaf Reach Foundation was used in this project while students of CS department provided the technical skills.

Talk on Digital Twinning

A talk arranged by the course of Software engineering: Mr. Haseeb Ur Rehman Toor, an experienced software architect with 30 years of industry experience delivered a talk on digital twin. The goal of this talk was to provide information to our students about the virtual representation of a physical object, system, or process which uses real-time data to simulate the behavior and performance of its physical counterpart, enabling analysis, prediction, and optimization of its operation. Digital twinning can be used in various industries, such as manufacturing, aerospace, and healthcare, to improve efficiency, reduce costs, and enhance safety

Events

LINE FOLLOWING ROBOTICS COMPETITION

Students of Digital Logic Design course participated in a Line following Robotics Competition on 18th January, 2023. The event was held in S-Octa where 111 students divided in 40 teams build robots to complete a path in shortest possible time. The robots were made without the use of programmable devices to enable the students to understand the basic link between sensors and actuators. A side goal of this activity was to enhance the student's understanding of the benefits of using programmable devices to control the actuators. After a nerve-wracking match, one winning team was announced. The winning team comprised of Shikyna Nobel, Hadia Arshad and Bilal Ahmed completed the task in shortest time of 7.93 seconds and won a cash prize of Rs 5,000.



COLLABORATIONS



DICE ANALYTICS

DICE Analytics is in collaboration with us to help in professional skill development, internship opportunities, and employability of our students.



HUAWEI

DCS has collaboration with the Huawei ICT Academy KICS-UET. KICSUET conducted a training workshop on networking tools February, 2021

The department is now a recognized Huawei Academy authorized to offer various trainings on behalf of Huawei.



MINDSTORM STUDIOS

Mindstorm Studios is in collaboration with us

ALUMNI SPOTLIGHT



HADI HASSAN
POWER BI DEVELOPER AT
STAMPA SOLUTIONS



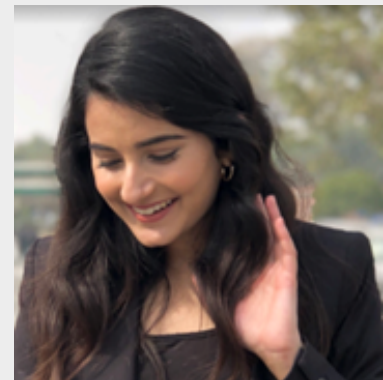
ADEEL AKMAL BUTT
TECHNICAL CONTENT
ENGINEER AT
EDUCATIVE



VAAANIA ASIF ASSOCIATE
SOFTWARE ENGINEER AT
DUBIZZEL LABS



HAZIQ AHMED
SOFTWARE
AUTOMATION ENGINEER
AT ARBISOFT



AYESHA AJMAL
SQA ENGINEER AT
DUBIZZLE LABS

CLOUD OPERATIONS ENGINEER BY AWS



Shaheryar Rahat, a Graduate of FCCU, has been appointed as a "Cloud Operations Engineer" by AWS in Dublin, Ireland. He is the first graduate of our university and also first from his department to have been appointed directly from Pakistan to Ireland. This position was globally open with one required person, and Shaheryar got selected of them all.

Shaheryar has shared a brief story of how he went from struggles to the place he is now.

"My name is Shaheryar Rahat, and I graduated from FCCU with the class of 2021. I recently started working at Amazon Web Services (AWS) in Dublin, Ireland, as a Cloud Operations Engineer. Let me introduce Amazon Web Services, Inc., a subsidiary of Amazon that offers on-demand cloud computing platforms to people, businesses, and governments. Some of you may not be familiar with the moniker AWS. AWS has long been ranked as one of the best cloud service providers in the world.

I'm overjoyed to say that this employment was available to applicants from anywhere in the world, and I got hired from Lahore, Pakistan.

We are extremely proud of Shaheryar's achievement and wish him more success in the future.



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WE WOULD LOVE YOUR FEEDBACK

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