

EGGLE 2022 Pulse of Bahria

Cover Story

BU Alumni Portal **LAUNCHED**

ALUMNI PORTAL

Keeping in line with emerging trends, a formal alumni data collection mechanism "Alumni Portal" has been designed for the transfer and maintenance of the Alumni database online. Continue reading on Page 41







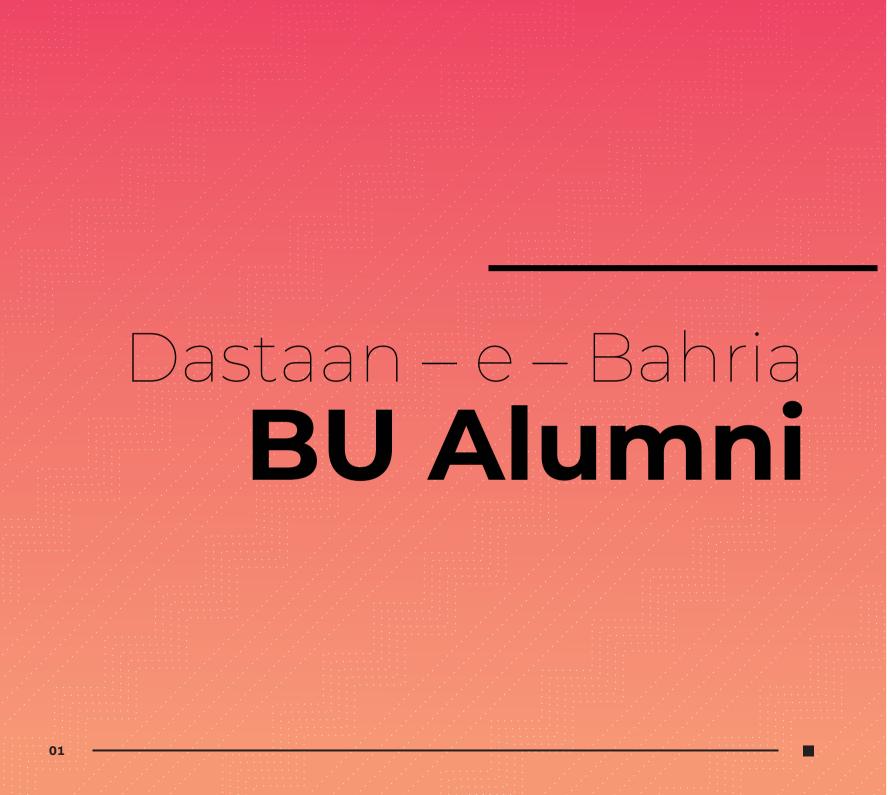


Hall Of Fame









BU – Live



Narrate us your experience at Subh-e-Nau.

Studying Bachelor of Business Administration at Bahria University was one of the most memorable experiences of my life. During my degree, I didn't just learn theoretical knowledge but also real time industrial experience, as we had top notch Visiting Teachers who familiarized us with the market dynamics. Having gained such valuable insights during my degree, afforded me a great deal of professional opportunity when I started working as a Director for an NGO right after graduation.

Subh-e-Nau is a non-profit organization working for the Environment and Public Health. We had participated in rehabilitation of 2005 Earthquake victims. It was a challenging task; I felt a big responsibility on my shoulders. We managed to accomplish our goals; thanks to professional dedication and teamwork. We provided medical and financial aid to numerous victims with spinal cord injury from all over AJK.

The project is still alive as we're continuously supporting paraplegic persons and their families. We have helped them build Wheelchair Accessible toilets and set up small businesses to become financially independent.

What are your achievements as a national tennis player and as a Social Worker?

Well, I was always into sports and use to play in the courts of Bahria University. I recall juggling my studies with my desire of being a sports woman. Now being a national tennis player, I also played a key role in organizing Ladies' Tennis Tournaments to promote local talent and empower women. I support environmentalism by encouraging eco-friendly living. We have planted thousands of indigenous trees in collaboration with different educational institutions including Bahria University.





Mr. Asim Iftikhar

MBA (2001), Head of HR and Operations Agha Khan Education Service

As a Head of HR and Operations, what have you learned throughout your professional journey?

Graduating from Bahria University gave me valuable insight of the market as, back then, my teachers would usually link their professional life experiences with the academic knowledge. Hence, I was a little more confident about starting my professional journey, but one should not forget that every new phase of life brings additional, unknown, and often unexpected challenges. Being unsure about what's next in life means we are in the right place to understand the depth of this question to discover our answer to achieving success in life. The question can be overwhelming, as after graduation the pressure in life

builds quickly and we may feel that we are expected to figure out our life's journey quickly. It may feel overwhelming to get back on track if we are stuck in a moment for too long without knowing the next step.

What advice would you give to young professionals who are determined to enter the corporate world?

My teachers were always of the opinion that if you want to enter the corporate world, giving back to the community is the key to satisfy oneself. That turned out to be the most valuable lesson which I learned in BU, not to hold on to the element of self-interest so much that you fail to realize that you have to make valuable contributions to society in order to prosper in life.

Most of us get stuck when we place ourselves at the center of everything and pick up the selfish lens to look at the world, life or our careers. While we may not be looking for this approach to life, yet selfishness has a way of finding us. Selfishness happens when we ask ourselves what "we" want in life? What is success to us? Or what is the right path for us? These are all great questions, but they start to become limiting questions if they are the only ones we ask. Do we need to understand what the world needs from us? How can we make a difference? Which of our talents can be used to help our families, colleagues and our employers? Questions that are directed at us as to what we are willing to put in. This is the way to get unstuck, get clarity and do what's next. One step at a time! patiently! With a service mindset! to build the success we have dreamt of.

Mr. Sheikh Raheel Sajjad

MBA (Finance, 2005) & BBA (2003) Corporate Head North (Islamic Banking) Bank Alfalah Limited

How did you find your way to Bank Alfalah Limited?

While studying at Bahria, I gained relevant & useful knowledge with respect to the banking industry. I was able to attend certain seminars that boosted my interest in the banking sector and paved a way for me to start my career in a renowned bank.

With the Grace of Allah Almighty and having a passion for Banking, following a series of elevations and serving a number of Banks with dedication/commitment, hard work and determination, I am working as a Corporate Head North (Islamic Banking) in Bank Alfalah Limited.

How long have you been working in the Pakistani banking sector?

I graduated from Bahria University with the distinction of Gold and Silver medals for showing an extraordinary academic performance in BBA (2004) and MBA (2005) respectively. Since then, I have been serving in the banking industry, having extensive experience in Corporate Finance, Islamic Banking, Risk Management and other areas in the banking sector. Simultaneously, I had been associated with teaching as well for more than 7 years, sharing my professional knowledge and skills with the students.





Mr. Abdul Qadir

BBA Finance (2000) Director HR Pure Health (U.A.E)

How did your journey start with Bahria University?

My journey with the Bahria institute started in the 4th grade – I say institution because I was schooled at Bahria College and ended up achieving both my undergrad and postgrad from Bahria University. If I were to pin my decision to pursue HR on any one person, it would be Ch. Fazl e Muqeem who taught me a course of Labour Relations. As boring a field of study as it is, Ch. Muqeem made it interesting enough for me to keep at it.

Tell us something about your choice of degree?

My first semester at Bahria University didn't entirely go as planned.

I failed Business Math, and I was not surprised. I chose Finance as my undergraduate major, and to this day believe that I passed because I had teachers that motivated me on every step and also a smart group of friends who pushed me along.

Where did you start your career from and how did your degree help you in your career journey?

My first job ever was at a construction company; in which I did everything but HR work. My first corporate job was at IBM. I did fantastically well on the interview which prompted them to hire me. I dedicate my success to my mentors at Bahria University who made sure that I was equipped with noteworthy communication skills and a set of work life ethics.

Fast forward from that, and I am now serving as a Director for HR at the largest integrated healthcare company in the gulf region. Somewhere along the way, I also wrote and traditionally published a book. By most measures, I suppose that I am successful... I like my job.

Besides your profession, how do you spend your spare time?

But you know what I like doing even more than that? I like to write. More than the education Bahria has blessed me with, I cannot thank the institution enough for blessing me with an imagination... because at the end of the day, yes, my job pays the bills... but it's writing that keeps me happy.

BU-Industry Leaders

Mr. Walliullah

BBA (2009) MBA (2014) Founder of Speedup Cars

What were the beginnings of your career like and what led you to start Speedup Cars?

At the age of 14, my first entrepreneurial venture was bird trading business. During my education time span at Bahria University, I experimented with several small-scale ventures to finance my living expenses which gave me confidence and valuable experience for my next big startup.

As far as Speedup Cars is concerned, the idea popped up in my mind when a friend of mine requested me to arrange headlamps for his Mercedes Benz. As I was already acquainted with the spare parts industry in UAE, it was quite easy for me to arrange the headlamps. Following this, I soon established contacts with custom officers and other transportation channels that paved the way for this startup. Now Speedup Cars offers all-in-one auto accessories, auto decoration services, parts, and repair solutions in a single spot.

Also, in the real-estate industry, I started a new venture: Oceania Realtors & Builders and Pearl Homes Enterprises, which is a reliable source of purchasing Bahria Town Plots. Through this venture, I also consult clients on ways to make profits from safe investments in the property market.

I would like to say that my ventures could never have made their way to the current success, if my teachers at BU had not given me the valuable knowledge of the corporate sector.



Is there any other professional career that you pursued?

Apart from Speedup Cars, I worked at Young's Private Limited, TAJ Corporation, Dairy land Private Limited, Youngs Private Limited, Unicol Limited, and Lucky Cement, mostly as a member of the Supply Chain Department. Moreover, I worked as a broker in the automobile market. This provided me with considerable insight about the workings of the automobile industry in Pakistan.

What professional advice would you offer to young Bahrians?

My education at BU taught me five golden rules that made it possible for me to reach this level of success. For an entrepreneur, these rules play a vital role in an individual's success and that is why I still follow these rules. Without abiding by these rules one can become an entrepreneur but cannot maintain sustainability in one's business. The first rule is to have good terms with everyone; secondly, give every contributor a share; thirdly, embrace diversification; fourthly, have patience and attitude; and last but not the least, create excellent teams".

Mr. Salman Shahzad

BS GeoPhyics (2016) Entrepreneur (BLUEXPRT)

Mr. Salman Shahzad is a graduate of Bahria University Karachi Campus with a Bachelor of Science in Geophysics.

What was the turning point in your graduating tenure, which you still remember and are proud of?

During my studies, my primary involvement was with the Oil and Gas Industry, but for me something was amiss. I did not agree with the involved practices within the industry, especially with fracking. My teachers encouraged me to undertake in-depth research on the environmental risks associated with fracking as they were of the opinion that one can perform exceptionally well in tasks that he/she is interested in. A thesis defense later and I was rewarded a maximum GPA grade of 4.

After your graduation, did you opt for further studies?

Upon completion of my bachelor's degree, I pursued a Master's in Environment and Energy Management with a focus on Sustainability and Social Entrepreneurship in the Netherlands. During my studies, I focused primarily on exploring sustainable business practices in the Netherlands and Pakistan.

What inspired you to start your own company and how did your graduation research practice lead you here?

After graduation, to broaden my horizons, I was successfully selected as part of the Erasmus Young Entrepreneur program where, on my choosing, I moved temporarily to Slovakia, working with their biggest NGO, Nadacia Pontis. Being unaware of the social entrepreneurial practices within the country, only added fuel to my already budding curiosity and willingness to learn.

After returning to the Netherlands, I managed to set up my own company and is currently independently contracted to an innovation firm in the Netherlands called BlueXPRT. With BlueXPRT, I acquired funding for a Multi-Million Euro European Union based project that spans across the EU and the Caribbean, targeting and tackling plastic waste on a macro, micro and nanoscale.



The goal of the project is to develop clean-up strategies to target nano-, micro-and micro plastic pollution in the aquatic ecosystems with testing in the industrial hotspots and at the natural sites, like islands Krk in Croatia, Sint Maarten in the Caribbean, Venice Lagoon in Italy and the river Thames in the UK.

How can your exposure and experiences help Pakistan?

I believe that the approaches used within the project, especially the social technique, could be replicated in my home city of Karachi with its coastline along the Arabian Sea needing development to become a blue economic zone.



Mr. Muhammad Fahad Khan

MBA (2009) Vice President National Bank of Pakistan

Mr. Muhammad Fahad Khan has completed MBA with majors in Marketing from Bahria University Karachi in 2009 with magna cum laude honor.

What designation do you hold at the moment?

I recently got promoted as Vice President in National Bank of Pakistan

After your Masters from BU, where did you get your Kick Start from?

In Aug 2010, I had the honor of joining the National Bank of Pakistan as a Management Trainee Officer in the 13th batch. The overall career has witnessed a consistent upward trajectory. In April 2011, I was the first amongst batch mates to be elevated as Operations Manager at the age of 25, just after 7 months of induction which also made me one of the youngest operations managers in Pakistan's banking history.

Tell us about your achievements during your banking tenure, and how your leadership skills helped you in your job?

As operations manager, I managed 3 branches for four years and as a Branch manager, I managed four branches over a period of six years. The proud factor is that I converted three loss-making branches into profitable units and injected Rs. 3 billion fresh deposits and also oversaw the disbursement of about Rs. 300 million consumer financing and Rs. 160 million commercial financings. I was able to achieve this not only because of my passion and dedication, but also because of my esteemed teachers at BU who polished my communication and leadership skills in an absolutely exceptional way.

Have you enhanced your knowledge through any certification or any plans of further studies?

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While working in the bank, I also upgraded my professional knowledge by completing Junior Associateship of Institute of Bankers Pakistan (JAIBP) and Associateship of Institute of Bankers Pakistan (AIBP). Moreover, I also completed certifications from The University of Michigan on Negotiations Skills and the University of Pennsylvania on Building High Performing Teams. In the first quarter of 2022, I am also going to appear in USA based CERTIFIED ANTI MONEY LAUNDERING SPECIALIST (CAMS) certification exams.



Mr. Syed Mudassir Hussain Kirmani

BCE (2007) Director Information Technology, Shaker Group of Companies

How did you find your way to Pakistan State Oil, and how diversified was your work experience abroad?

One thing that I highly admire about BU is that the teachers of BU were always willing to motivate their students to push the boundaries and reach new levels of success with the passage of time.

I completed my Computer Engineering degree in 2007, after which I got enrolled with SIEMENS SAP Academy and completed its SAP course, and successfully passed the SAP Certification exam in 2008 to become a Certified SAP Consultant. Soon after that I was offered to join Pakistan's largest Oil Marketing Company "Pakistan State Oil" in 2009 as Senior Officer SAP and I continued to work there till 2012. After that, I moved to Saudi Arabia to join SONY Electronics and worked there for another 3 years before moving to one of the leading FMCG / Dairy

organizations of Middle East Al Safi as part of Al Faisailah Group. Later, I got the opportunity to work in the paper industry; I worked as the youngest Group IT Head and led several successful IT and Digital Transformation projects for Saudi Paper Group.

Currently I'm working at Shaker Group of companies, a leading Consumer Electronics business in Saudi Arabia as Director Information Technology. Furthermore, I've recently started my own software house registered in UAE with the name of "Solution Deliver"

In what ways are you still able to connect with your Alma Mater?

I've been associated with Bahria University on several occasions for supporting and coordinating with Bahria University Alumni and also arranging Alumni events in the past. I'm also running the Bahria University Alumni Association page on Facebook and LinkedIn with 9 thousand plus Alumni being part of it.



BU - The Impact Makers

A journey from a Student to a Doctor Dr. Muhammad Saif Jalal

Pediatrician M.B.B.S-2018, DCH

BUHS has an excellent alumnus excelling in various medical fields all around the world. Dr. Muhammad Saif Jalal is a very notable alumnus of BUHS. Dr. Saif was in the Batch of 2013-2018 of MBBS. During this time, he was very active academically as well as in extracurricular activities. Dr. Saif was the President of the Sports Society and Photography Society. Academically, Dr. Saif was awarded a Certificate of Distinction in General Pathology and in Otorhinolaryngology. Along with his academic excellence, he was involved in



extracurricular activities with the same zeal. He was Captain of the Basketball Team and a badminton player who represented his team in a number of matches all over Pakistan.

After graduating, Dr. Saif completed his house job at a reputed hospital. In 2020, he started working as a resident medical officer in Pediatrics at Baqai Hospital where he manages the ward, ER, NICU, and PICU.

He is an incredible teacher who teaches the medical students and house officers. He is also enrolled in the postgraduate degree program (DCH and MD Pediatrics Program) and cleared MRCPCH (UK) Part 1 (Membership of the Royal College of Pediatrics and Child Health), OET (Occupational English Test) in 2019, In 2020, PLAB 1 exam (UK Licensing exam), AHA Certified BLS Provider and MD-IMM in Pediatrics.

Dr. Saif completed his postgraduate degree in DCH (Diploma in Child Health) in 2022. He did a research design on infant colic, which was published in an international journal. He is now moving to England to give his PLAB 2 exam, and will continue to work in England as a practitioner. We wish him all the best and hope he brings more success and pride to our alumni network.



Our WHO Consultant Dr. Mehek Yousafzai

M.B.B.S -2015 Consultant World Health Organization (WHO) Geneva, Switzerland

Dr. Yousafzai is an experienced healthcare professional, having worked as a clinician for the last six years. After graduating from Bahria University Health Sciences (BUHS) in 2015, she went on to pursue her Master's in Public Administration, specializing in International Health Policy and Management, from New York University (NYU) Robert F. Wagner Graduate School of Public Service.

She was able to have her research published on opioid stewardship in the prestigious Journal of Bone and Joint Surgery (JBJS) in 2020. When COVID hit, with the boom in telehealth, she switched gears and joined Metdel (a health tech startup), where she helped design and develop a solution that was focused on improving healthcare processes in hospitals, making them more efficient and streamlined. Currently, for a little over a

year and a half, she has been working as a consultant for the World Health Organization (WHO) headquarters in Geneva, Switzerland, where with her experience in quality assurance, patient safety, and enhancement of operational efficiencies of surgical care, she has been able to bring cohesion, coherence, and adherence to the organization's policies, programs, and responses across the three-levels of WHO.

BU Alumni - A Renowned Medical Practitioner

Dr. Syed Arsalan Shah

M.B.B.S (2016) Postgraduate Resident In Urology

Sindh Institute of Urology and Transplant (SIUT)

Dr. Syed Arslan Shah is one of the best in his professional and educational career. He has the qualities and a passion to excel in scientific research. Dr. Shah graduated from Bahria University Health Sciences in 2016.

He is also a founding member of Bahria Medics. After his graduation, he worked as a house surgeon at the Pakistan Institute of Medical Sciences (PIMS) in Islamabad. Currently, he is working as a postgraduate resident in Urology at Sindh Institute of Urology and Transplant (SIUT) Karachi, which is regarded as one of the premier institutes in the world. He is privileged to work with the world's most renowned surgeons under the mentorship of Professor Syed Adeeb-ul-Hassan Rizvi and Professor Altaf Hashmi (Sitara-e-Imtiaz in the field of Medicine).



He has received a prestigious award for the best scientific research paper. Dr. Shah is indeed a proud Bahrain, who has been working on different research projects and gaining experience in different urological procedures, including minimally invasive surgeries and robotic surgeries.



From a Student to a Faculty

Dr. M. Athar Abdullah

M.B.B.S (2015) Assistant Professor Central Park Medical College, Lahore

With a passion for teaching and research, Dr. M. Athar Abdullah Baig is working as an assistant professor in the physiology department of Central Park Medical College, Lahore. Moreover, he has also performed his duties as an external and internal examiner for the MBBS professional exams.

He also worked as the acting head of the physiology department for some time. After completing his MBBS from Bahria University Medical and Dental College, Karachi in 2015, he did an M. Phil in Physiology from Riphah International University Islamabad in 2019.

Since 2020, he has been enrolled in a Ph.D. in physiology. His special interests are in exercise physiology, molecular biology, and finding solutions to drug-resistant leukemia. He got the 2nd position in the international conference on oral article presentation.

BU – The Value Adders

Mr. Danyal Ahmed

MS PM (2014) Noor Care Health Network Emerging Health International Senior Manager Operations

I joined Noor Care Health Network as Senior Manager Operations in August 2021. Before this I was working with Maroof International Hospital Islamabad as Senior Manager Facilities Management Division.

I used to have discussions with my course teachers during my Professional degree in BU, which enabled me to highlight that there is a huge gap in the quality of the health Industry of Pakistan. One of my mentors in BU told me that People want to become a good Physician or Doctor, but very few people know about enhancing the standards and management of the healthcare setup. That becomes my motivation when someone feels the change for which I work. In the modern-day



leadership and adopting change and its management is one of the vital elements to become a leader.

For organizations to survive, grow and thrive in the face of change, strong and effective change leadership is critical for success. In the year 2013, when I completed my graduation in Geophysics, the Hydrocarbon industry was going through its worst time in history. I decided to switch my field and enhance my professional and management skills that would help me to create a new career path.



I applied for MS project Management degree and here I am, having a successful career so far in Health Industry. Transformation of Healthcare Industry of Pakistan. During my graduation and post-graduation, Bahria University gave me a chance to start my career as an intern initially and then they offered me a regular job at Bahria University Lahore Campus to showcase my abilities and skills.

It also gave me exposure to an outside world by involving us in various professional activities during the course work. I am a badminton Player, played for my university, and won many titles. I am the champion of Pakistan Navy Islamabad Double's title in the year 2019. Accept and adopt change. Going out in the world with only a degree won't help you in this modern world. The industry needs your skills. Develop analytical and management skills whether you are a doctor or an engineer.



Mr. Muhammad Hamza Khan

BBA (2015) Digital Marketing Manager VIVO Smartphones

"From the boy who was too shy to interact, to the confident presenter who can address an audience of 100s, I grew as an individual". This transition was only viable due to the exposure I got in my degree tenure.

After graduating "summa cum laude" with a Gold Medal, I started working at "Real me" smartphones as a social media manager. Apart from handling their marketing front, I went on to become their media spokesperson and established myself as an influencer.

Within a short span of time, I became a known face in the smartphone industry. After spending 2.5 years at "Real me", I provided media consultancy to the Pakistan Cricket Board.

Currently I am working as the Digital Marketing Manager at vivo smartphones. My message to young learners is to never limit yourself, focus on developing your skills and personality, they'll take you a long way and be very cautious while choosing your instuition for your professional degree, I was, and it rewarded me well.

NEWS FLASH

Sponsor a Student by Alumni

Bahria University with the support of internal and external sources managed to disperse 199 million rupees' scholarship amongst the students in the current fiscal year. In this program at least 16% - 18% of the students are studying on scholarship which is still a small number as many more students are still waiting for this opportunity.

Worldwide Alumni Play an integral part in paying back to their institutions through sponsoring underprivileged students so DSA Office has involved BU senior and prestigious Alumni to participate in this noble endeavor to help these underprivileged students who want to study and uplift their parents and siblings.

The BU – Alumni (donors) are bearing the educational expenses of the student(s) along with boarding/meal/books allowance as per their willingness. Award of scholarship under this category is purely on Needs based, keeping in view the financial position of the applicant.

The scheme is bringing fruit as at least five of our students have been sponsored by three of our most prestigious alumni within just a short span of three to four months. Moreover, these three donors have offered internship opportunities to the sponsored students which will help the students gain valuable experience.

BU has always believed that its prestigious alumni will respond positively to any such scheme designed in order to strengthen the relationship of alumni and the university. The response received for this scheme is overwhelmingly positive and BU will strive to enlist more donors in the future as well for, changing the lives of deserving students and grooming the leaders of tomorrow.

BU Achieves Another MILESTONE

In Nov 2021 QS announced Asia Rankings 2021. As many as 47 Pakistani universities have been named among the top 686 higher education institutes in Asia. Bahria University for the fourth consecutive year has been ranked in QS Asia University Rankings. It is ranked 401-450. Among 47 Pakistani Universities, Bahria University is in 20th position.

https://www.topuniversities.com/university-rankings/asian-university-rankings/2022

Among 401-450



Sitaron Se Agay For Bahrians



PUNJAB EDUCATIONAL ENDOWMENT FUND

Bahria University, in collaboration with the Punjab Education Foundation, offers scholarships and financial aid to bright and deserving students so that they can pursue quality education with equal opportunity. The Punjab Education Foundation has awarded 49 Masters level scholarships for FY 2021-22 to BU underprivileged and outstanding applicants. This information has already been dispersed among students and new applications begun to pour in.

BALOCHISTAN EDUCATION ENDOWMENT FUND

The Government of Balochistan has announced "The Balochistan Education Endowment Fund" to create a talent pool of Balochistan youngsters, especially the less fortunate sector of society, on the model of the Punjab Education Endowment Fund PEEF. For the first time, it has made its scholarship program available to Bahria University students for the 2020-21 academic year.

EHSAAS UNDERGRADUATE SCHOLARSHIP PROGRAM

The Government of Pakistan provided major funding to BU through the EHSAAS Undergraduate Scholarship program. In previous fiscal year 2020-21, Bahria received 354 scholarships totaling Rs. 67.632 million, successfully completing its Phase-I and Phase-II, while currently Phase-III is in progress. It is the country's largest need-based undergraduate scholarship program. Hundreds of students benefit from this program each year by earning scholarships.

HEC NEED BASED SCHOLARSHIP

With the help of the Higher Education Commission, Bahria University offers HEC Need Based Scholarships. The BU offers Need Based Scholarships to financially disadvantaged and qualified students. BU earned 149 scholarships for Rs. 16.23 million in the fiscal year 2020-21. Its opportunities is to improve students' socioeconomic condition by providing them with contemporary education and job options that will lead to a brighter future.

FINANCIAL ASSISTANCE SCHOLARSHIP

Financial Assistance Scholarships, an internal scholarship program at BU, assists students. These are offered to financially underprivileged and needy students to assist them partially or completely. In the fiscal year 2020-21, BU awarded 361 scholarships totaling Rs. 11.608 million. Students who have just become full-time students, as well as those who are presently enrolled, are eligible to apply.

BU INTEREST FREE LAPTOP LOAN SCHEME

Beginning in fiscal year 2020-21, BU initiated a loan scheme for laptops. This initiative was created to help financially disadvantaged undergraduate students to purchase laptop computers for academic purposes. Students are granted an interest-free loan to purchase laptops that fulfils their academic criteria, which they can repay in reasonable instalments throughout their degree. Application process for Spring 2022 has been initiated for aspiring candidates of subject scheme.

BAHRIA UNIVERSITY SCHOLARSHIP PROFILE (FALL 2021)

Scholarships enable students to pursue their passions, which improve their academic achievement. Merit Scholarships, Financial Assistance Scholarship, HEC Need Based Scholarships, and HEC Ehsaas Undergraduate Scholarships are just a few of the internal and external scholarships available at Bahria University. This financial support enables the students to concentrate on their studies. Bahria University actively encourages students to excel academically and work diligently toward earning their degree in the allotted period.

INTERNAL SCHOLARSHIPS

12.5	Scholarship Profile - Bahri	a University	1.2011.000			
Summary of all Internal Scholarships for Fall 2021						
	Types of Scholarships	Fal	Fall 2021			
S.No.		No. of Scholarships	Amount Awarded (Millions)			
1	Advance Merit Scholarship	203	6.02			
2	Merit Scholarship	565	20.11			
4	BU Qarz e Hasna	159	6.707			
5	Financial Assistance Scholarship	306	10.223			
6	Naval Shuhda Waiver	7	0.389			
Total of	Total of Internal Scholarships		43.449			
BU Sponsor A Student Scheme						
		Fal	Fall 2021			
S.No.	Types of Scholarships	No. of Scholarships	Amount Awarded (Millions)			
1	BU Sponsor A Student	19	1.565			

EXTERNAL SCHOLARSHIPS

All External Scholarships Awarded					
	Types of Scholarships		Fall 2021		
S. No.		No. of Scholarships	Amount Awarded (Millions)		
1	HEC Need Based	61	7.091		
2	Punjab Education Endowment Fund (PEEF)	6	1.26		
3	HEC-Provision of Higher Education opportunities for the students of Baluchistan & FATA	2	0.12		
4	HEC-Prime Minister Fee Reimbursement Scheme for less developed areas of Pakistan (selected regions) PhD Only	10	1.089		
5	Allama Iqbal Scholarship for Afghan Nationals	9	1.774		
6	HEC Law Graduates Scholarship	3	1.205		
7	NESCOM Fellowship Program	8	1.524		
8	HEC Indigenous 5000 Fellowship Program	6	2.303		
9	Worker Welfare Fund Scholarship	18	10.532		
10	Overseas Pakistanis Foundation Scholarship	4	0.138		
11	Sindh Education Endowment Fund	6	4.109		
Total of External Scholarships		133	31.145		
Grand Total (Internal + External)		1,373	74.594		

BU INTEREST FREE LOAN SCHEMES

		Fall 2021	
S.No.	Types of Scholarships	No. of Scholarships	Amount Awarded (Millions)
1	Student Study Loan	30	1.926
2	National Bank Loan Scheme	1	0.131
3	Laptop Loan Scheme	20	1.59

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Research Activities

Islamabad Campus

The Impact Of Weak Formal Institutions On The Different Phases Of The Entrepreneurial Process

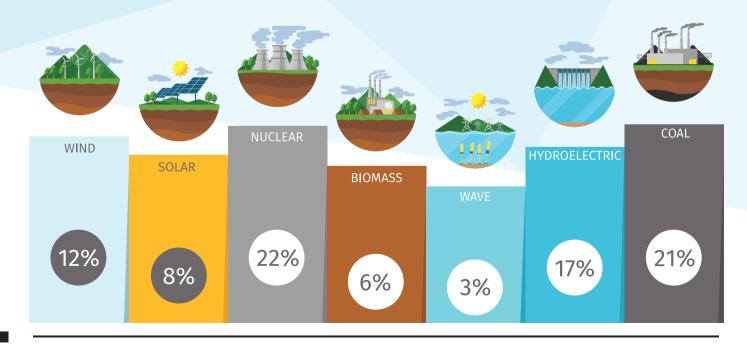
This study explores how inadequate formal institutions affect entrepreneurial goals, new business activity, and established business. This study used institutional economics to split weak formal institutions into two categories: market and state institutions. There is government meddling and coercion in the market, including restrictions on both individual exchanges and property rights. Weak state institutions include those that are unable or unwilling to provide security, property protection, basic public services, and necessary infrastructure to the majority of their citizens. We found that a weak market hurts all phases of the entrepreneurial process. The lack of access to formal finance, lengthy and opaque procedures for forming a business, and greater initial costs all contribute to potential entrepreneurs declining to engage in entrepreneurial activity. If individuals are still dedicated to founding a firm despite institutional flaws, cumbersome entry regulations appear to be an extra barrier. However, weak state institutions have a favourable impact on the start-up and growth phases of the entrepreneurial process. Entrepreneurs use political connections to address institutional deficiencies, gain security and stability, and expand economic activity. A complex legal and regulatory framework with inconsistencies reduces openness and trust in the system, encouraging entrepreneurs to circumvent regulations and reach the established business stage.

Authors: Dr. Danish Junaid, Zheng He and Farman Afzal

Thermal Performance Comparative Analysis Of Nanofluid Flows At An Oblique Stagnation Point Considering Xue Model: A Solar Application

This exploration aims to study the comparison of heat transfer capabilities of two nanofluid oblique, steady stagnation-point flow combinations comprising single-walled carbon/water (SWCNHs/water) and multiwalled carbon nanotube/water (MWCNTs/water) toward a stretching surface influenced by nonlinear thermal radiation employing the Xue model. This envisaged comparison model is inimitable and still scarce in the literature. Relying on the Tiwari–Das nanofluid model, a mathematical framework is constructed. The system of partial differential equations is converted using suitable transformations into an ordinary differential system of three equations, which is evaluated numerically using the bvp4c method. The physical behavior of significant parameters and their graphical representation are thoroughly examined. The results show that the SWCNHs/water nanofluid outperforms the MWCNTs/water nanofluid. It is further witnessed that SWCNH nanoparticle contained nanofluid has considerably greater thermal radiation than MWCNT nanoparticles. The envisaged model is also validated by comparing it with a published study.

Authors: Prof. Dr. Muhammad Ramzan, Nazia Shahmir, Hammad Alotaibi, Hassan Ali S Ghazwani, Taseer Muhammad



Community Attachments Are Associated With COVID 19 Public Health Behaviors Among Adolescents In Pakistan

Objective: The present study examined associations between Pakistani adolescents' community attachments and COVID-19 public health behaviors, including social distancing, disinfecting, hoarding, news monitoring.

Method: Adolescents living in Pakistan (N = 1,110; 13-18 years; M = 16.70) reported on their COVID-19 public health behavior (social distancing, disinfecting behaviors, hoarding behaviors, news monitoring) and community attachments (social responsibility values, social trust, self-interest values).

Results: Greater social responsibility values were associated with greater social distancing (B = .09, p = .009) and disinfecting behavior (B = .39, p < .001). Greater social trust was significantly associated with greater disinfecting (B = .09, p < .001) and greater hoarding behaviors (B = .07, p = .001) and greater self-interest values were associated with lower social distancing (B = -.06, p = .010), greater disinfecting (B = .15, p < .001), and greater hoarding behaviors (B = .11, p = .001).

Conclusion: Results from this study demonstrate that community attachments may play an important role in guiding adolescents' public health behavior in Pakistan. These findings extend past research and contribute to an inclusive and culturally sensitive model of the benefits of adolescents' community attachments for public health.

Authors: Faiza Nisar, Sadaf Zeb, Benjamin Oosterhoff, Shaf Ahmed



Paper Presentations in International and National Conferences

Faculty members and students of Department of Professional Psychology presented research papers at various International and National Conferences from January 2021 till March 2021,

Oral Presentation by Ms. Fatima Fazal, Ms. Ayesha Imran, Ms. Shazia Yusuf, Senior Lecturer and Dr. Noshi Iram Zaman, Senior Assistant Professor of BS thesis on the topic of, "Aggression and Social Intelligence among teachers: A Correlational Study" in International E-Conference on Health Psychology Organized by BZU, Multan.

Lahore Campus

A Machine-Learning-Based Approach for Autonomous IoT Security

Machine learning techniques are proven valuable for the Internet of things (IoT) due to intelligent and cost-effective computing processes. In recent decades, wireless sensor network (WSN) and machine learning are integrated to give significant improvements for energy-based systems. However, resourceful routes analytic with nominal energy consumption are some demanding challenges. Moreover, WSN operates in an unpredictable space and a lot of network threats can be harmful to smart and secure data gathering. Consequently, security against such threats is another major concern for low-power sensors. Therefore, we aim to present a machine learning-based approach for autonomous IoT Security to achieve optimal energy efficiency and reliable transmissions. First, the proposed protocol optimizes network performance using a model-free Q-learning algorithm and achieves fault-tolerant data transmission. Second, it accomplishes data confidentiality against adversaries using a cryptography-based deterministic algorithm. The proposed protocol demonstrates better conclusions than other existing solutions.

Authors: Tanzila Saba; Khalid Haseeb; Asghar Ali Shah; Amjad Rehman; Usman Tariq; Zahid Mehmood



The Inter-relation of Corporate Social Responsibility at Employee Level, Servant Leadership and Innovative Work Behavior in the time of Crises from Healthcare Sector of Pakistan

Organizational crises can be used to strengthen individuals, organisations, and communities. The healthcare sector is one that is constantly under pressure to provide high-quality services to patients. Compared to other industries, this one requires more innovation. Most previous study has focused on how CSR affects employee behaviour (CSR-E). However, the usefulness of CSR-E in enhancing employee creativity is not well-documented. Also, earlier research has not shown how servant leadership might explain employee involvement in creative work behaviour (EIB) (EIB). Thus, the current study seeks to assess the relationship between CSR-E and EIB in Pakistan's healthcare industry through servant leadership. The current study's data were collected by a self-administered (paper-pencil) survey and analysed using structural equation modelling (SEM). SEM research found a positive correlation between CSR-E and EIB, with servant leadership playing a role. The current study's findings will help policymakers better understand CSR-E to encourage EIB in times of crises. This study also illustrates policymakers the value of servant leadership in encouraging individuals to use their creative skills at work to aid their organisation amid a crisis.

Authors: Naveed Ahmad, Miklas Scholz, Muhammad Zulqarnain Arshad, Syed Khuram Ali Jafri, Raja Irfan Sabir, Waris Ali Khan, Heesup Han



Cognitive Behavior Hypnotherapy & Non-suicidal Self-Injury Disorder: Intervention Study

Objective: To identify the effect of cognitive behaviour hypnotherapy on nonsuicidal self-injury condition.

Methods: The quasi-experimental study was conducted from May 2019 to April 2020 in Islamabad and Rawalpindi, Pakistan, and comprised students aged 18-25 years at various universities and colleges in the twin cities. The participants were screened using deliberate self-harm inventory for >2 events without suicidal intention in line with the Diagnostic and Statistical Manual of Mental Disorders 5th edition. They were then divided into two intervention and control groups. Over the following three months, the intervention group received cognitive behavior hypnotherapy, while the control group did not receive any treatment. The groups were assessed post-intervention. The final phase comprised follow-up assessment of the condition. Data was analysed using SPSS 25.

Results: Of the 60 subjects, there were 30(50%) in each of the two groups. Overall, there were 41(68%) males and 19(32%) females. The majority of the subjects were aged 21-23 years 29(48%). More than 5 self-harm incidents were reported by 48(80%) subjects, while suicidal ideation was detected in 6(10%)students. The effect size of the study was good in terms of pre- and post-intervention values (d=4.90), the post-intervention and follow-up assessment values (d=0.32) and the pre-intervention and follow-up values (d=5.42). The comparison between treatment and no treatment groups indicated the effectiveness of treatment over no-treatment, F (1, 58) = 53.16, p < .001.

Conclusion: Cognitive behaviour hypnotherapy was found to be effective in treating the non-suicidal self-injury condition.

Authors: Halima Sadia Qureshi, Urooj Sadiq

Karachi Campus

A Novel Resource Oriented DMA Framework For Internet Of Medical Things Devices In 5G Network

The Internet of Medical Things (IoMT) mobile devices such as ambulance, medical done, and emergency mobile medical equipment face severe signal distortions due to interference, end-to-end packet loss, handoff delays, and lower throughputs during mobility. Network Mobility Basic Support Protocol (NBSP) has been proposed using the IP-based wifi solution to solve these issues. However, the weak signal, extra signaling overhead, and higher delays were identified during handover due to patients' excessive requisites, resulting in radio link failure. Therefore, this paper proposes a novel resource-efficient Flow-enabled Distributed Mobility Anchoring (FDMA) framework enhancing the functionalities of the centralized network entities and mobility entities. The performance of the proposed FDMA framework is evaluated and compared with the standard NBSP and Proxy NEMO (PNEMO) scheme in terms of the variable number of cell residence time and mobile routers, where the proposed framework outperformed NBSP and PNEMO schemes for IoMT Mobile devices in 5G network.

Authors: Mohammad Kamrul Hasan; Shayla Islam; Imran Memon; Ahmad Fadzil Ismail; Salwani Abdullah; Anil Kumar Budati; Nazmus Shaker Nafi



Rhizobium Rhizogenes-Mediated Root Proliferation In Cd/Zn Hyperaccumulator Sedum Alfredii And Its Effects On Plant Growth Promotion, Root Exudates And Metal Uptake Efficiency

In this study, Rhizobium rhizogenes-mediated root proliferation system in Sedum alfredii has been established. Twenty strains of R. rhizogenes were screened for root proliferation. A significant difference (P < 0.01) was observed in plant morphological characters under influence of different bacterial strains. The highest root fresh weight (3.236 g/plant) was observed with strain AS12556. Furthermore, significant difference (P < 0.05) was observed in the chemical composition of organic acids, Tartaric acid (TA), Succinic acid (SA), Malic acid (MA), Citric acid (CA) and Oxalic acid (OA), pH, Total Nitrogen (TN), Total Organic Carbon (TOC) and soluble sugars in root exudates with different R. rhizogenes mediated roots. Furthermore, a series of hydroponics experiments were conducted with varying concentrations of Cd (25, 50 and 75 µM) and Zn (100, 200 and 500 µM) to assess the phytoextraction efficiency of proliferated roots with Rhizobium. Several plants with proliferated roots showed enhanced growth and improved metal extraction efficiency. Five strains (LBA 9402, K599, AS12556, MSU440 and C58C1) were identified as potential strains for root proliferation in Sedum alfredii. R. rhizogenes strain AS12556 improved Cd/Zn phytoextraction by exogenous production of phytochemicals to promote root proliferation, improved shoot biomass, lowered oxidative damage and enhanced phytoextraction efficiency in S. alfredii. Therefore, it has been selected as a potential microbial partner of S. alfredii to develop extensive rooting system for better growth and enhanced phytoremediation potential. Results suggest that R. rhizogenes mediated root proliferation system can be used for optimizing metal extraction from contaminated soils.



Authors: Zulfiqar Ali Sahito, Afsheen Zehra, Shaoning Chen, Song Yu, Lin Tang, Zarina Ali, Salma Hamza, Muhammad Irfan, Tanveer Abbas, Zhenli He, Xiaoe Yang

A Deep Learning Approach For The Classification Of TB From Chest X-Ray Images

In this research, a novel customized deep learning model is proposed to detect Tuberculosis (TB) from chest X-rays (CXR). The model is utilized for three experimentations: (i) classification of CXR image as healthy or TB infected, (ii) sub-classification of infected images to TB specific manifestations, and (iii) classification of CXR image to thoracic disease manifestations. The National Institute of Health (NIH) CXR is used for experimentation. For the first two experimentations, the subset of the dataset is used containing only 10 TB specific manifestations, whereas, the entire NIH CXR dataset is used for the third experiment. The F1 score for binary classification of TB in experiment 1 is calculated as 0.92 which is higher than the average F1 score of the radiologists. The average accuracy for classifying TB specific manifestations in experiment 2 is recorded as 0.84. Finally, the average accuracy of the thoracic disease classification is recorded as 0.82 in experiment 3. The proposed system outperformed the existing approaches reporting higher AUC for each manifestation. Whereas, to the best of knowledge it is the first such attempt on NIH CXR dataset for TB and TB specific manifestation classification and the proposed system showed promising results.

Authors: S. Zainab Yousuf Zaidi, M, Usman Akram, Amina Jameel, Norah Saleh Alghamdi

Health Sciences

Multi-Activity Tetracoordinated Pallado-Oxadiazole Thiones As Anti-Inflammatory, Anti-Alzheimer, And Anti-Microbial Agents: Structure, Stability And Bioactivity Comparison With Pallado-Hydrazides

We compare the biopotency of 5-(C5H4XR)-1,3,4-oxadiazole-2-thiones (L') of type [PdL'Cl2] (P'n) and N,O bearing respective hydrazides (L) of type trans-[PdL2Cl2] (Pn) for Pd(II) compounds of N,O,S bearing 5-(C5H4XR)-1,3,4-ox The new compounds were identified using spectroscopic (IR, EI-MS, NMR) and physicochemical methods. S-N donors bound by exocyclic sulphur and N-3' nitrogen, while L acts as amino S-N donors. The stability of P'n compounds was confirmed by UV-vis (solution speciation) and thermal degradation profiles. This potential was influenced by the presence of Pd(II), M-L binding mode, nature and position of R, or halo group electronegativity. We used molecular docking to investigate putative mechanistic interactions (H-bonding, stacking, alkyl, S, etc.) at the active sites of human 5-LOX and BChE. These Pn compounds had better antimicrobial and anti-LOX (anti-inflammatory) potential than their P'n counterparts, with P3/P'5, P(2,3,7)/P'3, and P6 being comparable, better, and equivalent to ampicillin, nystatin, and baicalein, respectively. P'2/P1 have better anti-BChE activity than Pn compounds, making them the most promising anti-Alzheimer drug candidates. As a result of this research, some potential future pallado-drug candidates have been identified.

Authors: Qurrat-Ul-Ain, Aisha Abid, Mehreen Lateef, Naushaba Rafiq, Sana Eijaz, Saima Tauseef

HALL OF FAME ASPIRE TO INSPIRE

Haider Linguistics Words connecting Worlds

Mr. Shahbaz Haider is the founder and CEO of Haider Linguistics., He has been working in this interesting, challenging, rewarding, and intellect-oriented field for the last 9 years. From the very onset, he has established remarkable goals and standards that have been achieved with flying colors and also enviable and unprecedented records have been attained in a very short time span. Having met almost impossible targets in respect of tasks assigned by esteemed clients from all over the world, particularly for those from Europe and the USA and winning their highly commendable appreciations, he is now regarded as one of the best and topmost translators in the relevant language pairs. He is having certification from American Translators

Association and Proz.

He started his work as an individual freelancer in 2012. Having achieved cumbersome milestones as an individual, in 2016 he has ventured to set up a translation agency so as to effectively and efficiently meet ever-increasing demands of the valued clients and also to provide a respectable platform to intelligent, capable, and hardworking linguists to function systematically in

highly professional and respectable environment. Back in 2021, Haider Linguistics pitched Bahria Innovation Center and got selected.

Haider Linguistics is one the pioneers in Localization industry of Pakistan and delivers quality language services that convey client's content in a language that serves target audience timely and in the best possible way. The content HL undertakes includes medical, legal and administrative, general, technical, business and administrative documents as well as Quality control and assurance procedures, policies and standards. Huawei, Microsoft, GlaxoSmithKline, Snapchat, UBER, Pfizer, Binance, UNICEF and many others are among happy and satisfied clients of Haider Linguistics.



Mr. Idrees Qureshi is the founder of Opportunities Circle. He has done project management from Bahria University Islamabad in batch 2019-2020. The journey of his entrepreneurship career started back in 2018 at Bahria university when he pitched his idea to BIC, BUIC of Providing a platform to students and researchers where various scholarships and exchange program opportunities can be shared, and awareness drives related to the said demographics can be managed by the name of Opportunities circle. Despite the fact there are many national and international funded scholarships available, the majority of talented and deserving students, scholars, and researchers fail to apply due to the lack of awareness and absence of such a platform.





Though the journey has been hard, Opportunities Circle has made its mark and is considered amongst top Opportunities providing platforms in Pakistan. Opportunities Circle is a leading opportunities circle platform with an audience of more than 1.3 million all over the world from more than 160 countries. Opportunities circle helped more than 20 thousand students to get dream opportunities like scholarships, fellowships, internships, and different other academic and non-academic opportunities. Mr. Idrees's aim is to provide access to more than 80 percent of Pakistani youth with such life changing opportunities.

BU HAS LAUNCHED ALUMNI PORTAL

As digitization of Records has taken the workspace by storm, the Directorate of Student Affairs (BUHO) office with the Support of Directorate of IT (BUHO), while keeping in line with emerging trends, designed a formal alumni data collection mechanism "Alumni Portal" for the transfer and maintenance of the Alumni database online. This will not only facilitate our alumni community to connect with more than 41, 000 Alumni over the world but will also bridge the gap between the university and leaders of today. This is a big step towards a stronger and consistent alumni engagement and will play a vital role in future developments related to Alumni of BU.

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Going Global

Exploring A World Of Opportunities

I am Muhammad Abdullah, a 6th semester bachelor's student of Business Administration, who like all other students dreams and struggles to achieve. Foreign Exchange Program at Yeditepe University has been a magical experience for me which all started when I first heard about the program from a friend and saw a path where I could fulfill my aim of working on self-development and explore different things, places, ideas and people. I was presented with such a big platform where I got to daily meet new people from around the world for more than 5 months and got to learn from their ideas and perspectives and at the same time have so much fun with them. I tried so many new things with these amazing people and at my university without the fear of being judged continuously in

which dance classes are a big highlight for me. I didn't even realize how with each passing day so much of exposure was refining my personality and making

me learn so much about the business world and how the World is so progressed and developed. I put my exchange experience as one of the best times of my life and would like all of you readers to go and get your hands on this amazing opportunity.



Meri Kahani **Meri Zubani**

I am Quratulain Abbasi, currently a 6th semester student of BS (Psychology) in IPP. Exchange programs & opportunities like these have always had my interest. Specifically, going to turkey was a dream. Coming from a family that belongs to Pakhtunkhawa. Step out of not only the country but instead out of all the boundaries that the system usually sets for us. Luckily, I have amazingly supportive parents. I still remember how upon insistence of a friend I just applied. The entire interview process was a whole lot of a thing for me. I wasn't sure enough of being selected but upon receiving that email of selection I sparked out of joy. My parents were clear enough for letting me avail this opportunity. It was as if i've got wings to fly. The process of

doing everything on my own, course selection, checking out for accommodation, applying for visa, booking flights & hotels, was indeed a whole new experience. I've had times in where I would want to jump to the flying part only.

However, I can profoundly say now how each and every bit of it was for a whole new escapade. It wasn't just about going to university and getting lectures during the exchange program but rather I was fortunate enough to visit 12 different cities and various forms of adventures with hundreds of memories that i'll cherish forever. During this exchange program, my approach towards life was changed. I met people from distinct countries, made friends and contacts from around the world and learnt to respect the difference of opinions. There were days where I would feel homesick but on the contrary, I received immense love & kindness from even strangers.





Oh, it all feels like a dream now. As an individual it helped me learn more compassion and staying positive even during the strenuous times. It helped me develop not only better interpersonal relationships but also facilitated me in my intrapersonal affairs. I had the dreamiest, venturesome and worthwhile experience. So, if you are someone who would like to explore the horizons of life, walk around adorable cats, learn to deal with life and be on your own then exchange program is highly recommended.

MEET OUR TEAM

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