

KINNAIRD COLLEGE FOR WOMENREPORT ON

SUSTAINABLE DEVELOPMENT GOAL 09



INDUSTRY, INNOVATION & INFRASTRUCTURES



Kinnaird's activities on GOAL 09: Industry, Innovation and **Infrastructures**

Workshop on python advanced & python-3 3^{RD} JULY & 3^{RD} AUGUST 2024

2 workshops Attended by

Dr. Faiza Uzma & Ms. Arsalna Noreen Workshop certified course on Python 3 on 3rd July 2024 Workshop certified course on Python Advanced on 3rd August 2024





Workshop on XRD analysis, rietveld Refinement X-PERT highscore Diamond Software's

27th – 29th August 2024







Meta Hacker Cup 10th September 2024





WEBINAR

SESSION OVERVIEW

ENHANCE YOUR PROBLEM-SOLVING AND CODING SKILLS WITH VALUABLE INSIGHTS INTO COMPETITIVE PROGRAMMING — WHICH IS ESSENTIAL FOR EXCELLING IN TECH INTERVIEWS AND ADVANCING YOUR PROFESSIONAL CAREER IN TECH.





Market/ Material Exploration

8th Sept, 2024

Students of semester 7 specializing in painting along with course instructor Ms. Amra Khan went on a market recce trip. The visit began in the Inner City Baboo Market, exploring various canvas qualities and thicknesses along with learning what to aspects to consider when buying a canvas. Followed by a visit to Ayub Paints, Main market to explore mass-produced paint, including machine-based color mixing, with a focus on how to work with different paint forms.





Museo Aero Solar 9th Sept – 8th Nov, 2024

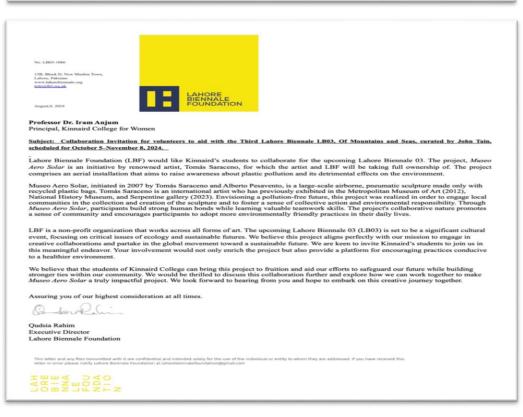
A collaboration between Lahore Biennale Foundation (LBF), a non-profit organization that works across all forms of art and Department of Fine Arts, Kinnaird College for Women, Lahore



REDUCE, REUSE & RECYCLE

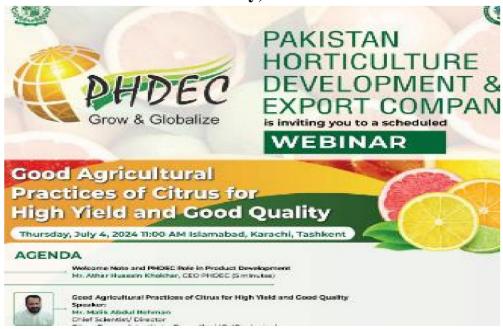
Join Department of Fine Arts in collaboration with Lahore Biennale Foundation LB03, in collecting thousands of recycled plastic bags, for a project that turns a notorious material into airy patchwork blobs, remodeling excess waste into otherworldly vessel.







Pakistan Horticulture Development Export Company Webinar 4th July, 2024



COPYRIGHT & TRADEMARK REGISTRATION 26TH JUNE 2024

Kinnaird Business Incubation Center has registered 16 Copyrights and 12 Trademarks in 2nd Cohort 2024 and their fee is reimbursed.











The Kinnaird Entrepreneurial Club (KEC) conducted the Kinnaird Business Fest from October 23-25, 2024.

Leading Universities from all over Pakistan competed in 7 business competitions in the areas of Competitive Market analysis, Startup ideation, Advertising, Social Media & Creative writing. External judges were invited from various leading industries and a special talk on Digital Marketing was delivered by Yasser Anwar. It was a highly engaging event for student learning and practical exposure. There were plenty of fun activities too including a large variety of food stalls, an open mike and light musical to

wrap it up.





Market Sizing and Growth Hacking for Startups 11TH SEPTEMBER 2024

A mentorship session on "Market Sizing and Growth Hacking for Startups" for KBIC 2nd Cohort 2024 on Wednesday, 11th September 2024.





Launch of KBIC Cohort-2, 2024

Contract Signing Ceremony is conducted on Wednesday 12th June 2024, at Kinnaird College for Women (KCW), Lahore - Pakistan.

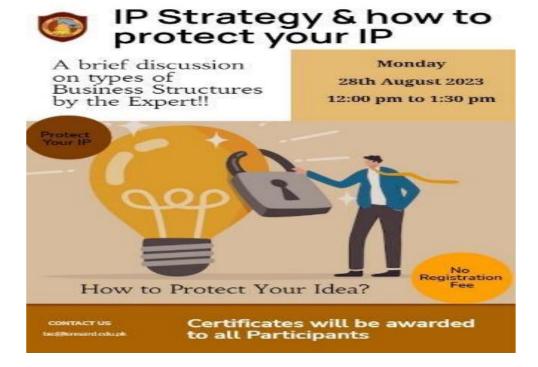








Shaffaf Shahid Conducted a Training for KBIC's 1st Cohort on Protection of IP Rights and Business Structuring Dated: 28-08-2023







Chaudhry, R.A., Tariq, A. & Tariq, S. (2024). Are Shariah Banking Financing Patterns Procyclical?. Journal of Asian Development Studies. 13(2), 671-683 Asim, Z., Raees, B., Qamar, H., Manzoor, R., & Nisar, A. (2024). Navigating the Digital Landscape: A Framework between Chatbot Marketing Efforts and Brand Loyalty. Journal of Asian Development Studies, 13(2), 817-836.

Shfaq, A. ., Nadeem, F. ., Qasim, I. ., Kamran, L. ., & Asim, J. (2024). Leveraging Digitalization and Servitization to Improve Financial Performance: An Empirical Analysis. Journal of Policy Research, 10(2), 75-89. Y category

Full bright Specialist Project for Kinnaird College for Women by USEPF regarding Faculty Development Plan. 12th June, 2024.

Faculty
development
training by Ms.
Shaz Akram
from Fullbright,
USA
June 12, 2024

Dr. Usamah was focal person





Industrial Trip of BBA final year students to Packages factory on Nov 29, 2023.

Industrial Trip of BBA final year students to Packages factory on Nov 29, 2023.



Packages Trip





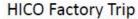
BBA Students HICO Factory Visit on April 30, 2024

BBA Students HICO Factory Visit

April 30, 2024











Dr. Usamah conducted KBIC 2nd Cohort Training May 15, 2024 on Entrepreneurship.

Dr. Usamah conducted KBIC 2nd Cohort Training

May 15, 2024



BEETISH

Students of Food Science and Human Nutrition participated and won 2nd position at Innovation Olympiad organized by University of Lahore on 12th February 2023







Showcasing of Innovative Food Products at Annual Product Launch by semester 3 FSHN students. The innovative food products 2023 included following:

- 1. Papaw Bars (Papaya added cereal bars)
- 2. Foxta (Foxnut Pasta)
- 3. Chucham Bites (Chamomile rich chocolates)
- 4. Nutri Bean Bliss (Red Kidney bean brownies that are rich in protein and fiber)
- 5. Pumkinettes (Added goodness of Pumpkins in donuts)
- 6. Lentilogs (lentil biscuit stiks)
- 7. Seed Munchables (Seed Crackers)
- 8. Turnip Lasagna (Won 2^{nd} Prize in Riphah Intervarsity Nutrition Competetition)
- 9. Fluffy Puffs (Spinach & beetroot buns)
- 10. Date Tango Fusion





Development of Aloe Vera drink and its effect on Osteoarthritis

Sameera Mustafa, Hajra Ahmad and Quratulain Aleem. Development of Aloe vera drink and its effect on Osteoarthritis. Journal of Natural and Applied Sciences Pakistan. (under review)



Food Startup Proposal "KAROTS"

Food Science and Human Nutrition Dept. Mphil Student Javeria Rana, under the supervision of Dr. Mahnaz Nasir and Dr. Rabia Naz sent a Food Startup Proposal "KAROTS" in HEC Prime Minister Youth Program for Innovative Business Idea. KAROTS got selected for the Prime Minister National Innovation Award. Our food startup 'Karots' is targeting the domain of Food security & Sustainable Food Systems. Karots is solving the problem of Annual carrot wastage, eye sight problems and unhealthy snacking in Pakistan.

CERTIFICATE OF PARTICIPATION

JAVERIA RANA

PAKISTAN PHYSICOCHEMICAL CHARACTERIZATION OF BOVINE COLOSTRUM

Publication Journal of Natural and Applied Sciences Pakistan PHYSICOCHEMICAL **CHARACTERIZATION** OF **BOVINE** COLOSTRUM Zoyya Khalid, Nadia Akram*, Qurat u lain Aleem and Mahnaz Nasir Khan.Department of Food Science and Human Nutrition, Kinnaird College for Women University, Lahore. Journal homepage: http://jnasp.kinnaird.edu.pk/





Freelancing Web-App Proposal

Blockchain technology facilitates transparent information sharing across business networks. A group of BSCS students is developing a decentralized freelancing platform that leverages blockchain to transform the freelancing industry. Their focus is on security, transparency, and efficiency, aiming to address the challenges encountered by both freelancers and clients.

Kinnaird College for Women

Department of Computer Science

Final Year Project (Scope Document)

Freelance-Chain:
A Decentralised Freelancing Platform

Group Members

Laiba Noor(F21BSCS018) Kashaf Afzal(F21BSCS049) Zainab Amna Raza(F21BSCS015)Zainab Amna Raza

> Supervisor: Ms. Jaweria Manzoor External Supervisor: Sir Asif Farooq

Century Paper and Board Mills

Industrial visit of students to "Century Paper and Board Mills" on April 20, 2024.



Sand quality improvement using watermelon (*Citrullus lanatus*) seeds—derived urease-induced calcium carbonate precipitation

The paper was received in published form in 2024, and this publication is from a BS research report of my student Sara Zahid: Sara Zahid* and Shahnaz Choudhry. Research paper titled "Sand quality improvement using watermelon (*Citrullus lanatus*) seeds—derived urease-induced calcium carbonate precipitation" International Journal of Economic and Environmental Geology. Vol. 14(4) 20-27, 2023

www.econ-environ-geol.org

Journal home page: www.scon-emiron-geolorg

Sand Quality Improvement Using Watermelon (Citrulius Lanaus) Seeds -Derived Urease-Induced Calcium Carbonate Precipitation

Sara Zahlid*, Shahnaz Choudhry

1-2Department of Biotechnology, Kinnaird College for Women, Lahore, Punjab, Pakistan

*Email: sarazhid/2032mmil.com

*Control of Pakistan, Home global warming and kiquehciton problems have increased due to CO1-emission dering the cement manufacturing process and the water absorption ability of the cement, respectively. Recently, enzyme-induced carbonate precipitation (EICP) has become increasingly popular due to its eco-friendly nature and mechanic properties. This study is aimed to extract the crude urease enzyme from watermelon seeds, considered *food water,* to test its effects water and the control brick and the state of the control brick. The bricks were added in cycles (1, 7, 14 times), the 14-cycle brick was firmer than the other two bricks, but still wards to sufficiently durable. Therefore to conditions to investigate urease activity and calcium carbonate formation. The EICP-coated brick showed less weight change than the control brick. The bricks were added in cycles (1, 7, 14 times), the 14-cycle brick was firmer than the other two bricks, but still wards to sufficiently durable. Therefore to conditions to investigate urease activity and calcium carbonate formation. The EICP-coated brick showed less weight change than the control brick. The bricks were added in cycles (1, 7, 14 times), the 14-cycle brick was firmer than the other two bricks, but still wards in the same brick, and compacted in a mold again. The brick was incubated at 35–37 °C and cured for 14 days, resulting in a hardened brick. A water absorption test was conducted on the sample, and it was found that the bio brick could not endure the water conditions to investment of time. Seaning Electron Microscopy (SEA), Micromelon page and the same trick and compacted in a mold again. The brick was incubated at 35–37 °C and cured for 14 days, resul



Workshop on Outcome Based Education

Participation in a Training workshop on Outcome Based Education arranged by Office of Quality Assurance and Institutional Effectiveness on August 17, 2024.



Department of IR hosted a team of Strategic Vision Institute (SVI) at Business Incubation Center on 11th September, 2024



Dr. Qudsia Akram was a guest speaker at the Alumni Mentoring Session at Lahore College for Women University held on November 14, 2023

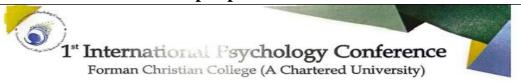




Dr.Aiysha Was Invited as Session Chair at Kinnaird's Business Fest On October 25, 2024.



Paper presentation: 1



This certificate is awarde	d to	
gurat -ul - Ain		
n recognition of their valuable contribution as a _	Presenter.	at the
1st International Psychology Co.	nference	



held on 29th, 30th and 31st May, 2024.

Laison with Lahore Garrison Institute for Special Education Children, LGISE for MS child placements





NESPAK

A visit of the Department of Statistics and international guests to GIS, NESPAK on 28th oct, 2024



Pakistan Meteorological

A visit of the Department of Statistics and international guests to Pakistan Meteorological department on 28th Oct, 2024.

- Field visit to Nestle Factory Sheikhupura District.
- To Observe Nestlé's distribution network
- To understand the industrial development and its spatial aspects
- To recognize economic processes behind the production and distribution of goods, illustrating the interconnectedness of global supply chains and their impacts on regional development



Potential of Gwadar Port in Promoting Regional Connectivity Through the Lens of Complex Interdependence Theory

Hira Sajid and Hamra Tariq, Semester 7 students, presented their paper titled "Potential of Gwadar Port in Promoting Regional Connectivity Through the Lens of Complex Interdependence Theory" at the International Conference on "Decade of CPEC and BRI: From Vision to Reality." Out of 450 applicants, they were selected to present at this two-day event, chaired by Dr. Safdar A. Sohail and Dr. Abdul Sattar, with Federal Minister Ahsan Iqbal and Ms. Pang Chunxue as honored guests





Course Alignment

Thesis: Development of biodegradable sanitary napkins from sugarcane waste Thesis:Optimization of Bacterial Cellulose Production from Food Waste

Thesis:Proximate analysis of cheese prepared from Recombinant Buffalo (Bubalus bubalis) Chymosin

Dr. Faryal Chaudhry completed the online course via Zoom, entitled "Shaping the Future of Education: AI Across Campus" organized by Forman Christian College (A Chartered University), Lahore. Dated: May 13-30, 2024.



Using AI to match your abstract to the right journal (8 minutes)

Dr. Faryal Chaudhry completed the module "Using AI to match your abstract to the right journal (8 minutes)" of Elsevier on Friday 3rd May, 2024. Resource Person: Hannah Foreman.





Recent Trends in Industrial Chemistry and Optics

Dr Rahila Huma and Dr. Faryal Chaudhry participated in a one-day symposium on "Recent Trends in Industrial Chemistry and Optics". Organized at School of Physical Sciences, University of the Punjab, Lahore, Dated: 8th March, 2024.



NovaMed Pharmaceuticals (Pvt) Ltd Lahore

Chemistry Department organized an Industrial Visit to NovaMed Pharmaceuticals (Pvt) Ltd Lahore – Kasur Rd, Old Kahna, Lahore, Punjab. Dated: 10th Oct, 2023.



Paint formulation

Dr. Amna Yousaf supervised a BS thesis regarding Paint formulation.

