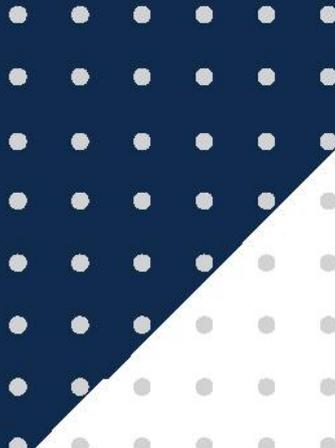
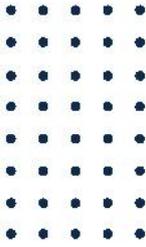




Office of  
**Research, Innovation  
& Commercialization**

# ANNUAL REPORT 2025



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## Pro-Rector's Message

At the University of Central Punjab (UCP), we strongly believe that research and innovation are the driving forces of progress in higher education and society. It gives me immense pride to see the Office of Research, Innovation & Commercialization (ORIC) playing a pivotal role in strengthening UCP's vision of academic excellence, knowledge creation, and societal impact.

ORIC has become a vital platform for enabling cutting-edge research, industry partnerships, and entrepreneurial ventures. By nurturing creativity and collaboration, it empowers our faculty, researchers, and students to transform their ideas into solutions that address both national and global challenges.

As a forward-looking institution, UCP is committed to maintaining the highest standards of integrity, inclusivity, and innovation in all its academic and research endeavors. I encourage our academic community and external partners to actively engage with ORIC's initiatives and contribute to a knowledge ecosystem that drives sustainable growth.

Together, let us work towards a future where UCP stands as a beacon of research excellence and innovation-led development.

### [Dr. Hammad Naveed](#)

Pro-Rector

University of Central Punjab



## Provost's Message

Sustained academic excellence is built on a strong foundation of research, innovation, and meaningful engagement with industry and society. In this regard, the Office of Research, Innovation & Commercialization (ORIC) at the University of Central Punjab serves as a strategic enabler of the University's research and innovation ambitions.

ORIC provides structured support for research development, consultancy, competitive funding, intellectual property protection, and commercialization pathways. By promoting innovation, entrepreneurship, and cross-sector collaboration, ORIC facilitates the transformation of scholarly work into impactful solutions that contribute to economic development and societal advancement. These initiatives also strengthen interdisciplinary research, reinforce ethical standards, and enhance the international standing of UCP's academic community.

As Provost, I strongly support ORIC's mandate and its continued efforts to cultivate a dynamic and sustainable research ecosystem. I invite our researchers and partners to leverage the resources provided by ORIC as we continue to elevate the standards of excellence that define our university.

### Mr. Muhammad Yaqoob

Provost

University of Central Punjab



## Director's Message

It is an honor to lead the Office of Research, Innovation and Commercialization (ORIC) at the University of Central Punjab (UCP), an institution that values entrepreneurial spirit, research excellence, and impactful innovation. At UCP-ORIC, our mission is to serve as a catalyst for transforming knowledge into practice by connecting academic research with industry, government, and society.



Since its inception, ORIC has been dedicated to building a vibrant ecosystem of discovery and commercialization. We support our faculty and students in advancing ground-breaking research, protecting intellectual property, and creating opportunities for startups and industry collaborations. By facilitating these pathways, ORIC ensures that innovations emerging from UCP contribute meaningfully to the national economy and global knowledge community.

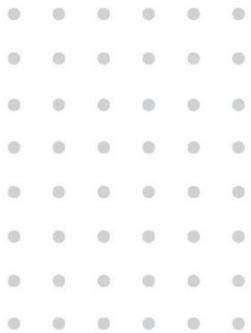
Our strength lies in strategic partnerships and forward-looking initiatives that bring together researchers, innovators, and entrepreneurs. With a clear vision for the future, ORIC is committed to enabling impactful research outcomes, fostering a culture of entrepreneurship, and positioning UCP at the forefront of innovation-led growth.

I invite all members of the UCP community and our external partners to collaborate with ORIC and be part of this journey towards building a knowledge-based economy for Pakistan.

**Prof. Dr. Muhammad Akhvar Farrukh**

Director ORIC & Research  
University of Central Punjab

# ABOUT UCP



## 1. ABOUT UCP

The University of Central Punjab provides its students with innumerable academic, extra and co-curricular experiences, which equip them with skills and knowledge that stay with them beyond their years at university. Students and alumni have succeeded in contributing to the fields of health, business, technology, law, engineering, media, and science. Students are given the opportunity to discover their area of interest as each of our nine faculties offers a range of program. Highly qualified and professionally experienced faculty members, trained from national and international institutes incorporate new teaching and research methods and work ceaselessly to help students achieve academic excellence. Furthermore, University of Central Punjab has numerous societies which promote education, socialization, entrepreneurship, social causes and different forms of art.

Our vision is to create an institution, built on the foundation of providing quality education to the youth of Pakistan. This core belief has been validated through top rankings, accreditations, and awards from leading national and international academic organizations.

The University of Central Punjab offers cutting edge facilities, a continuously expanding infrastructure; science and technology labs furnished with latest and highly advanced equipment. Being one of the first educational institutes of Pakistan to move towards a greener environment, University of Central Punjab has installed solar panels on campus. A state-of-the-art auditorium, webinar room, production house and other such amenities allow our students to engage with the material learned in the classroom in a myriad of ways which includes implementing skills practically, diving deeper into the curricula as well as having the opportunity to interact with experts in their chosen fields.

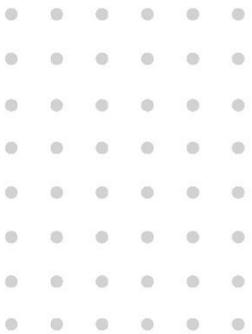
Education in the 21st century requires adapting to the challenges of modern times and maintaining a balance between continuity and change. The adaptation of technological advancements has taken over the old traditional paradigms of education. At the University of Central Punjab all our efforts are focused around enriching the educational experience of our students and providing Pakistan with a well-educated and socially responsible populace.

UCP offers everything students need to develop and succeed in their academic and professional lives. To make the learning experience enjoyable and fulfilling, students are provided with cutting-edge facilities and infrastructure. Multiple labs are provided with latest and highly sophisticated equipment. Airconditioned classrooms equipped with multimedia projectors facilitate teaching process by enhancing learning and understanding.

UCP is focused to built an institution, on the foundation of providing quality education to the youth of Pakistan. The University offers an intuitive and stimulating experience through multidisciplinary research and teaching, with a focus on integrated learning, intellectual curiosity, and innovative problem solving. Its academic members are committed to teaching and creating knowledge.



# ORIC UCP



## 2. About ORIC

The Office of Research, Innovation, and Commercialization (ORIC) at the University of Central Punjab (UCP) was officially recognized on December 24, 2021. Following its establishment, UCP ORIC submitted its first data set to the Higher Education Commission (HEC) for validation and inclusion in the national ORIC ranking. As a result, UCP ORIC secured the Y category, achieving the 34th position out of 78 institutions for the 2022 to 2023 assessment cycle.

Building on this progress, UCP ORIC improved its standing in the 2023 to 2024 Annual Ranking by moving into the X category. The office secured the 29th position with a validated score of 60.5. Looking forward, the strategic target is to achieve a score of 80 plus to enter the prestigious W category in the coming years



### Vision Statement

To be the catalyst of transformative research and innovation that shapes industries, empowers entrepreneurs, and delivers real-world impact.

### Mission Statement

To drive UCP's research excellence through strategic partnerships, IP generation, and sustainable commercialization, fostering a future-ready ecosystem where ideas evolve into enterprises.

## 2.1 Introduction

The Office of Research, Innovation, and Commercialization (ORIC) at the University of Central Punjab serves as a vital bridge between academic discovery and industrial application. The office plays a fundamental role in supporting researchers by providing necessary resources, guidance, and assistance throughout the research lifecycle. This includes helping faculty identify diverse funding opportunities, developing competitive grant proposals, and ensuring effective management of research projects.

A core responsibility of ORIC is managing the transfer of knowledge, technology, and intellectual property from the university to industry partners or emerging startups. By fostering these strategic collaborations, ORIC facilitates joint research ventures and the exchange of professional expertise, which benefits both academia and the broader industrial sector. These efforts are designed to advance knowledge and ensure that the benefits of university research deliver a meaningful impact to society.

Furthermore, ORIC is dedicated to enhancing the university's scholarly presence by providing support for publishing in high quality academic journals. This assistance helps researchers navigate submission processes and understand complex publication policies. The office also assists faculty in securing funding to attend international conferences, enabling them to present their findings and build global professional networks. Overall, ORIC focuses on creating a future ready ecosystem where innovative ideas evolve into successful enterprises and transformative real-world solutions.

## 2.2 Purpose

The primary goal of ORIC is the strategic development, management, and continuous improvement of university research programs. It serves as the vital link connecting research activities with the academic, social, and economic interests of the University of Central Punjab and its wider community. By fostering transformative research and innovation, the office aims to shape industries and empower entrepreneurs to deliver real world impact.

Furthermore, ORIC is responsible for ensuring that research quality aligns with the highest international standards, elevating the university's global reputation among top tier research institutions. To achieve this, the office ensures that all programs and policies strictly uphold the principles of academic freedom, professional integrity, and ethical conduct. It also maintains full compliance with all university policies, legal requirements, and operational mandates. Through strategic partnerships and intellectual property generation, ORIC fosters a future ready ecosystem where innovative ideas successfully evolve into enterprises.

## 2.3 ORIC Domains

The Office of Research, Innovation & Commercialization (ORIC) seeks to help all faculties intentionally and effectively in the following three areas:

- Develop your technological expertise.
- Enhance linkages between industry and academia.
- Producing and carrying on research policy.
- ORIC Services
- Research Publications.
- Research Proposals & Grants/ Research Projects.
- Research Journals and Conferences.
- Patents Filed/ Granted.
- Technology Transfer and Commercialization.
- Industrial Linkages.
- Business Incubation Services.
- Trainings and MOUs.

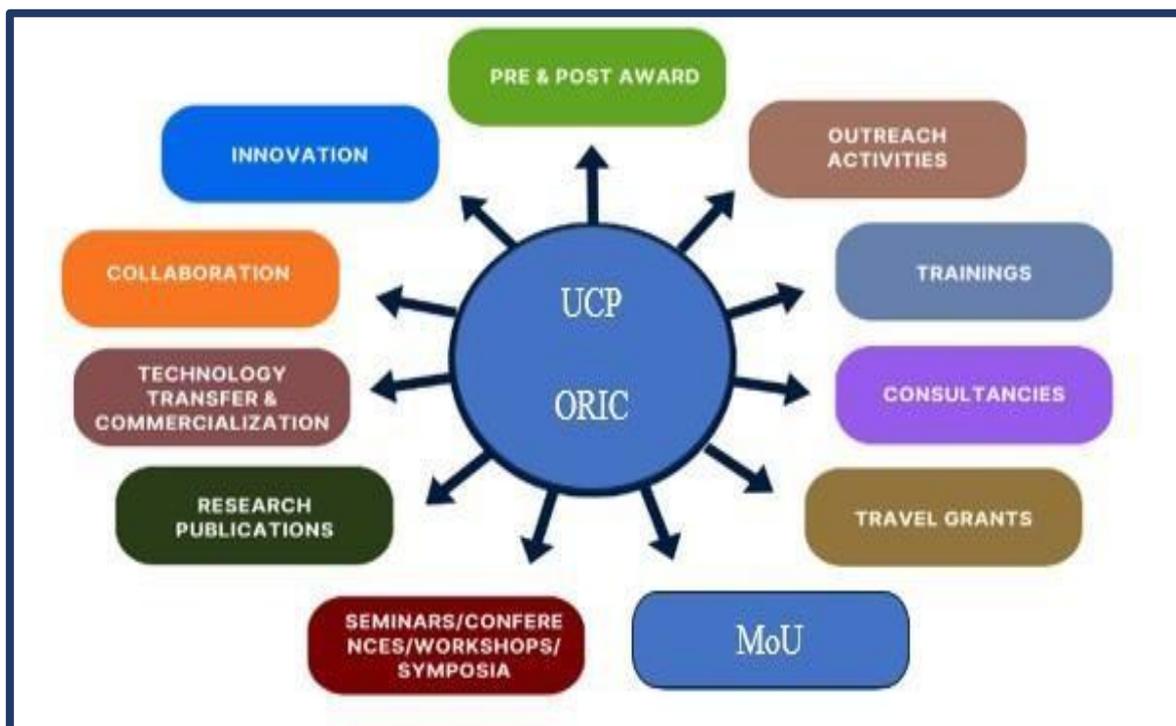
## 2.4 Objectives of ORIC

The Office of Research, Innovation & Commercialization, also known as ORIC, offers comprehensive services for any issue related to R&D, innovation, patents, commercialization, collaborations, and organizing honoraria for research publications as well as seminars, colloquia, symposiums, conferences, and workshops. The Office of Research, Innovation & Commercialization (ORIC) serves as the main hub for all university-wide research-related initiatives, Industry collaboration and commercialization.

Additionally, the ORIC is in charge of making sure that every aspect of the research meets the highest international standards and elevates the university's standing among the top research institutions in the world. In order to fulfill its mission, the ORIC must ensure that all research programs and policies uphold the fundamental principles of academic freedom, professional integrity, and ethical behavior. It must also ensure complete compliance with all university policies, legal obligations, and operational standards.

- Serve as an effective advocate for research and commercialization with the university and to its broader community of stakeholders and supporters.
- Overseeing all aspects of research and development efforts, including planning, budgeting, recruiting, training, etc.
- Conduct research and development (R&D) in a variety of fields, such as biotechnology, nanotechnology, and information technology.
- Prepare invoices, memos, letters, and other documents using word processing, spreadsheet, database or presentation software.
- Manage correspondence (e-mail) and respond in a timely and professional manner to all internal and external inquiries.
- Prepare, maintain, and update website materials.
- Filing and Prosecuting Patent Application.
- Keep the faculty updated with all internal and external available research opportunities.
- Compiling the research, innovation and commercialization activity record and publication of the ORIC annual report
- Production of the online journal/articles from receipt of manuscripts to online publication to an agreed standard of quality, cost, budgeted extent and to agreed schedules.
- Facilitate the university in matters related to Research Innovation and Commercialization.
- Promoting entrepreneurship, technology-transfer and commercialization activities that energize and support the local and national economy.
- Receiving and processing all administrative matters, facilitating requests received from the principal investigators/project awardees, matching them with approved proposals and forwarding them to the relevant administrative department for execution i.e., fund release from treasurer office etc.
- Develop and maintain research cores and infrastructure within the institute including web pages, internal grant review procedures, and statistical support.

Commending the above ORIC supports the Universities strategic Research Direction and Policies, promoting entrepreneurship, technology-transfer and commercialization activities that energize and support the local and national economy, Strengthening university-industry relationships etc.



## 2.5 UCP – ORIC 5 Year’s Strategic Plan

The strategic plan is organized into six key pillars designed to frame a sustainable ecosystem for research and innovation.

### Pillar 1: Research Excellence

- **Policy and Remuneration:** A new paper remuneration policy is being developed to align with HEC guidelines and incentivize high-quality research.
- **Recognition of Excellence:** The Best Researcher and Innovator Award (BRIA) will be implemented, featuring one university-level and nine faculty-level awards.
- **Ethical Oversight:** The Ethical Research Review Board (ERRB) has been activated to oversee compliance with research ethics and publication guidelines.
- **Research Groups:** Nine specialized research groups have been established to promote interdisciplinary coordination and link research to Sustainable Development Goals (SDGs).
- **Citation Management:** ORIC is monitoring citation metrics with a targeted 10% increase in citations for PhD and overall faculty.
- **Grant Support:** Support is provided for the writing and submission of 97 research proposals to agencies like HEC, PSF, and EU Horizon 2025.
- **Scientific Events:** The university is organizing seven national and international conferences and hosting symposia with leading keynote scientists.
- **Capacity Building:** At least 20 faculty-level workshops are scheduled, focusing on proposal writing, AI tools, and advanced data analytics.
- **Internal Funding:** The Internal Research Grant Program (IRGP) provides seed funding of up to PKR 1 million for innovative projects for each.
- **Journal Upgradation:** ORIC manages seven institutional journals, ensuring CrossRef annual membership and pursuing HEC category indexing.

### Pillar 2: Commercialization and Intellectual Property (IP)

- **IP Targets:** UCP aims to file at least 100 intellectual property applications by 2029, with a goal of 15 granted patents.
- **Incentives for Innovation:** Financial rewards and bonuses are provided for research outputs and successful commercialization.
- **Reduced Teaching Load:** Faculty involved in product development may receive reduced teaching loads of one to two courses.

### Pillar 3: Industry-Academia Linkages

- **Joint R&D Projects:** New joint R&D initiatives are being launched in areas such as wastewater treatment, AI applications, and renewable energy.
- **Consultancy and Partnerships:** The plan targets 150 consultancy contracts and 60 active MoUs with national and international industries.

### Pillar 4: Entrepreneurship and Startups

- **Incubation Goals:** Takhleeq BIC aims to incubate over 120 startups and raise more than PKR 100 million in external funding by 2029.
- **Student Innovation:** Final year research projects are supported with funding of up to PKR 50,000 to encourage student-led entrepreneurship.

### Pillar 5: Infrastructure and Core Facilities

- **Centralized Facilities:** Three Centralized Research Facilities (CRFs) are being established for AI and Data Science, Bio-Health Sciences, and Advanced Materials.
- **Lab Optimization:** Existing labs are being upgraded and resources optimized to support postgraduate students and interdisciplinary R&D.

### Pillar 6: Internationalization

- **Global Collaborations:** The university is pursuing 20 formal international research collaborations and targets 100 joint supervision arrangements globally.
- **Mobility Programs:** ORIC is launching faculty and student mobility programs to support outbound and inbound academic exchanges.

#### 2.5.1 Performance Indicators

- Number of patents granted.
- Number of research articles published in impact factor journals.
- Participation in number of conferences both national and international.
- Number of active agreements/ licenses /MOUs with local and international industry.
- Number of License Agreements, Consultancy Agreements, IP Rights signed by startups.
- Securing contractual research from the industry.
- Revenue generation through research commercialization.

#### 2.5.2 ORIC Action Plan

The Office of Research, Innovation, and Commercialization (ORIC) at the University of Central Punjab (UCP) serves as the driving force behind the university's research and innovation ecosystem. Guided by a clear vision of becoming a catalyst for transformative research and innovation, ORIC positions UCP as a hub where ground-breaking ideas not only advance academic knowledge but also shape industries and empower entrepreneurs with real-world impact.

In alignment with the Higher Education Commission's mandate, ORIC provides strategic, organizational, and technical support for all research activities at UCP. It ensures that faculty and students are equipped to pursue high-quality research, generate intellectual property, and translate discoveries into solutions that benefit both society and the economy. By fostering strategic partnerships and supporting sustainable commercialization, ORIC reinforces UCP's mission of building a future-ready ecosystem where ideas evolve into enterprises.

Anchored in the UCP Five-Year Strategic Plan (2025–2029), ORIC's efforts are centered on six key areas: Research Excellence, Commercialization and Intellectual Property, Industry–Academia Linkages, Entrepreneurship and Startups, Infrastructure and Core Facilities, and Internationalization. Together, these pillars provide a structured pathway for turning knowledge into impact, reinforcing UCP's role as a leader in research-driven societal development.

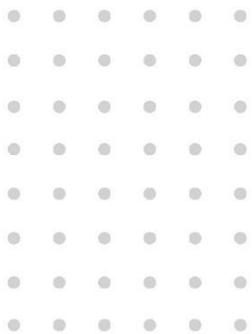
- **Intellectual Property Support:** ORIC provides technical and legal advisory services to guide researchers through patenting and copyright processes, targeting the filing of at least 100 IP applications by 2029.
- **Research Faculty Workload:** To encourage product development and impactful research, academic policies now allow for reduced teaching loads of one to two courses for active researchers.

- **Faculty Industry Placement:** Through the Faculty Industry Placement Program (FIPP), ORIC targets placing 240 faculty members in industrial organizations to gain practical exposure and align research with real-world challenges.
- **Student Capacity Building:** Students are made market-ready through the Annual UCP Innovation Expo, funding for final year projects, and co-developed curricula with industry partners.
- **Inclusive Startup Incubation:** Takhleeq BIC operates a structured pipeline from ideation to market readiness, aiming to incubate over 120 startups focused on innovation, scalability, and social impact.
- **Global Footprint and Linkages:** UCP is leveraging international partnerships to secure funding from global agencies like Horizon Europe and NSF, aiming for 20 formal international research collaborations and 100 joint supervision arrangements.

## 2.6 ORIC Organizational Chart



# ORIC STEERING COMMITTEE



### 3. ORIC Steering Committee

ORIC steering committee comprise of members of senior executives or stakeholders responsible for providing guidance and direction to ORIC ongoing projects or initiatives. The purpose of the meeting is to discuss key issues, make strategic decisions, and ensure that the project or initiative is aligned with organizational goals.

#### 3.1 Steering Committee Features

Some common features addressed in an ORIC Steering Committee Meeting are as:

- **Project Updates:**

Review progress reports and updates on the status of ongoing projects or initiatives.

- **Strategic Planning:**

Discuss and make decisions regarding the overall strategic direction of the organization or project.

- **Problem Solving:**

Address any challenges or issues that have arisen since the last meeting and work on solutions.

- **Future Planning:**

Discuss long-term goals, future projects, and potential areas for improvement.

#### 3.2 Members of Steering Committee

| Sr. | Name and Designation                 | Position  | Parent Institute/organization               |
|-----|--------------------------------------|-----------|---|
| 1.  | Dr. Hammad Naveed<br>Pro-Rector      | Chair     | UCP   |
| 2.  | Prof. Dr. Muhammad Akhyar<br>Farrukh | Secretary | Director ORIC, UCP                          |
| 3.  | Prof. Dr. Hafiza Rizwana Kausar      | Co-Chair  | Dean FOST, UCP                              |
| 4.  | Mr. Iftikhar Hussain                 | Member    | Europetroleum                               |
| 5.  | Mr. Naveed Ashraf                    | Member    | SRC, Pvt. Ltd                               |
| 6.  | Dr. Ahmad Junaid Rasheed             | Member    | Genetics Pharma                             |
| 7.  | Mr. Syed Abdullah Bukhari            | Member    | Enrichers Investment Group                  |
| 8.  | Dr. Muhammad Nabeel                  | Member    | Healthwire                                  |
| 9.  | Abdul A. Khurram                     | Member    | Technical Water Care Services               |
| 10. | Dr. Saleha Waqar                     | Member    | Vital Management Services<br>(Pvt) Ltd      |
| 11. | Mr. Ahmed Umair                      | Member    | Vital Agri Nutrients Ltd                    |
| 12. | Mr. Raffay Bin Rauf                  | Member    | Sapphire Mills                              |
| 13. | Mr. Sarim Mehmood                    | Member    | Fruit of Sustainability Pvt. Ltd            |
| 14. | Mr. Ameer Ahmad                      | Member    | Aroome Engineering Pvt. Ltd.                |
| 15. | Mr. Rana Faisal Shabbir              | Member    | UCP Alumnus and Owner of<br>Rana Rice Mills |



**Dr. Hammad Naveed**  
Pro-Rector, Chair - UCP



**Prof. Dr. Muhammad Akhyar  
Farrukh**  
Director ORIC –  
Member/Secretary UCP



**Prof. Dr. Hafiza Rizwana  
Kausar**  
Dean, Member – FOST, UCP



**Mr. Iftikhar Hussain**  
CEO, Co-Chair -  
Europetroleum



**Mr. Naveed Ashraf**  
Senior Manager R&D, SRC  
Pvt. Ltd



**Dr. Ahmad Junaid Rasheed**  
Associate Director Quality  
Operations, Genetics Pharma



**Syed Abdullah Bukhari**  
Founder & Group CEO –  
Enrichers Investment Group



**Mr. Muhammad Nabeel**  
Co-founder & CTO –  
Healthwire



**Abdul A. Khurram**  
Director – Technical Water Care  
Services



**Dr. Saleha Waqar**  
Director Training &  
Development – VMS



**Mr. Ahmed Umair**  
CEO – Vital Agri Nutrients Ltd



**Mr. Raffay Bin Rauf**  
Head of Sustainability –  
Sapphire Mills



**Mr. Sarim Mehmood**  
CEO – Fruits of Sustainability



**Mr. Ameer Ahmad**  
CEO – Aroome Engineering  
Pvt. Ltd



**Rana Faisal Shabbir**  
Director, Member - Rana Rice  
Mills

### 3.3 Objectives of ORIC Steering Committee Meeting

- Devise & approve 5-year strategic plan & compliance.
- Review and approve recommendations for better achievement.
- Review periodic monitoring reports.
- Provide policy guidance to ORIC leadership.
- Ensure that ORIC activities/ initiatives are coordinated with relevant stakeholders, inside or outside the HEI.
- Bridge the gap between academia and industry.
- Advise VC/Head on the research management challenges of the university.
- Undertake any other task relevant to the better functioning of the ORIC.
- Rigorous, inclusive and diversified startup selection process
- Enhancing UCP's global footprint by international members in steering committee.

ORIC steering committee make financial decisions for the project and to measure progress against the specific objectives, milestones, and deliverables of each work package. Another goal is to create metrics to assess the impact of the work. They are in charge of overseeing the consolidation of the various project’s data-infrastructure requirements and developing a joint policy on issues. Finally, to monitor the sustainability of the infrastructure components being developed and to develop a plan for support following the completion of the grant.

### 3.4 Terms of Reference (ToR) of ORIC Steering Committee Meeting

As per HEC ORIC policy 2021 following are the ToR of ORIC Steering Committee Meeting:

- A.** ORIC-SC is the governing body for the ORIC, and shall provide strategic leadership and governance oversight. ORIC-SC will provide dedicated advice to the VC for decisions and actions to be taken in accordance with the objectives, approach and scope of the ORIC.
- B.** ORIC-SC shall continuously review the performance of ORIC in line with the devised KPIs and strategic plan and guide the ORIC leadership by providing effective oversight and evaluations.
- C.** ORIC-SC shall:
  - i.** Devise and approve the 5-year strategic plan for the ORIC and ensure its proper compliance.
  - ii.** Review and approve the recommendations for implementation of initiatives for better achievement of ORIC objectives from ORIC leadership.
  - iii.** Review periodic monitoring reports on the basis of KPIs and advise the ORIC leadership accordingly.
  - iv.** Provide policy guidance to ORIC leadership.
  - v.** Ensure that ORICs activities and initiatives are coordinated with other relevant stakeholders, inside or outside the HEI.
  - vi.** Bridge the gap between academia and industry and provide crucial advice on matters to promote university-industry linkages and commercialization.
  - vii.** Advise the VC on the research management challenges of the university.
  - viii.** Undertake any other task relevant to the better functioning of the ORIC.
- D.** Members of ORIC-SC shall be appointed on the basis of their expertise in dealing with roles and responsibilities associated with the better performance of ORIC. All members shall have to sign Conflict of Interest statements

### 3.5 Steering Committee Meetings summary 2025

| Meetings           | Date                         | Meeting Agenda  |
|--------------------|------------------------------|---|
| 18 <sup>th</sup>   | 27 <sup>th</sup> Feb, 2025   | EXPO Centre Events Participation, University Product Display & Commercialization Strategy, MoU with Jiangxi University of Science and Technology Launch of "UCP Innovation Company", Faculty Industry Placement Program (FIPP), Patent Filing and Examination Progress ORIC Scorecard (2023-2024) Review, DOI Registration for UCP Research Journals, IP Prototype Development            |
| 19 <sup>th</sup>   | 29 <sup>th</sup> April, 2025 | ORIC Validation Score and HEC X-category Ranking, Participation in EXPO Centre Events, Patent Filing and Examination Progress All Punjab Innovation Expo Nominations, Training and Workshops on IP and Grant Writing, UCP Research Publications Review UCP Conferences and Journals indexing, Research Projects Submission and Funding Updates, Faculty Industry Placement Program (FIPP) |
| 20 <sup>th</sup> . | 30 <sup>th</sup> June, 2025  | Updated Vision and Mission of ORIC, Review of ORIC Activities (January 2022 - June 2025), HEC Scorecard Progress Presentation of ORIC Strategic Plan (2025-2029), Expansion of Central Research Facilities (CRFs), Industry-Academia Interface Unit Participation in Rice Tech Asia and Solar Energy Expos,   |

|                    |                            |   |
|--------------------|----------------------------|---|
|                    |                            | Collaboration with SUPARCO, Research Dissemination and Consultancy Contracts  |
| 21 <sup>st</sup> . | 27 <sup>th</sup> Aug, 2025 | Approval of ORIC Five-Year Strategic Plan (2025-2029), Research Excellence and Impact Factor Publications, External Grant Opportunities Intellectual Property (IP) Filing and Commercialization, 4th cycle of Faculty Industry Placement Program (FIPP), MoUs with PILDAT and Trial 360 Entrepreneurship Summer Course and Workshops, MS/MPhil/PhD Supervision Course, International MoU with Sri Lanka Institute of Information Technology |
| 22 <sup>nd</sup>   | 3 <sup>rd</sup> Nov, 2025  | Submission of ORIC Scorecard 2024-2025 to HEC, HEC National Research Programme for Universities (NRPU) Submissions, New Consultancy Agreements Post-Placement Presentations for FIPP, Strategic Meeting on ORIC Plan 2025-2026, Implementation of Wastewater Treatment Plant Participation in National Expos (Food Asia, Pakistan Industrial Expo), Generative AI Training Programs, Launch of FAST-UCP Sustainability Award                |
| 23 <sup>rd</sup>   | 31 <sup>st</sup> Dec, 2025 | Growth in FOST Research Publications, HEC Funding for UCP Research Journals, External Grant Awards from OIC-COMSTECH and PSF Awarding of Internal Research Grant Program (IRGP) 2025, FYP Interfaculty Research & Innovation Initiative, 2nd Research Proposal Competition 2025 Launch of Newly Designed ORIC Website, HVACR and Information Technology Conferences, HEC Journal Recognition Applications for 2026                          |

**3.5.1 18th Meeting ORIC Steering Committee Meeting (27<sup>th</sup> February, 2025)**

| Sr. No. | Notable Initiatives         | Actions   |
|---------|-----------------------------|---|
| 1.      | Expo Centre Participation   | Twenty to twenty-five students and faculty participated in the Pak Pharma & Healthcare Expo, 8th Pakistan Industrial Expo, and Dairy Asia Expo. |
| 2.      | Commercialization Strategy  | Proposed displaying UCP products in retail outlets like Al-Fatah and Metro, and reserved a stall for the Rice Technology Asia Expo.             |
| 3.      | International MoU           | Signed an MoU with Jiangxi University of Science and Technology for language and literature scholarships for UCP students.                      |
| 4.      | New Company Launch          | Proposed the launch of "UCP Innovation Company" to focus on e-commerce and faculty-student product commercialization.                           |
| 5.      | Patent Progress             | Reported 83 patents filed with IPO Pakistan, including 4 granted, 45 examination reports received, and 30 resubmissions.                        |
| 6.      | ORIC Performance            | Reviewed the ORIC Scorecard with a secure score of 68; UCP-ORIC ranked 34th in the Y-category for its first HEC evaluation.                     |
| 7.      | Research Journal Visibility | Successfully registered UCP research journals with CrossRef (DOI) to enhance academic visibility.   |

**3.5.2 19<sup>th</sup> Meeting ORIC Steering Committee Meeting (April 29, 2025)**

| <b>Sr. No.</b> | <b>Notable Initiatives</b>  | <b>Actions</b>  |
|----------------|-----------------------------|---|
| 1.             | HEC Ranking Improvement     | UCP-ORIC advanced to the 29th position (HEC X-category) with an improved score of 60.5.                                       |
| 2.             | National Innovation Expo    | Submitted 24 nominations for the All-Punjab Universities Innovation Expo, with 5 projects selected for rewards.               |
| 3              | Capacity Building           | Scheduled seven Intellectual Property workshops and two Research Proposal writing trainings for August-September 2025.        |
| 4              | Research Funding Proposals  | Reported submission of 67 NRPU projects and 6 proposals to HRI-NIH; Dr. Muhammad Kamran Saleem secured funding from SUPARCO.  |
| 5              | FIPP Implementation         | Reaffirmed the two-month industry placement rule for faculty and initiated industrial sector mapping.                         |
| 6              | International Diplomacy     | Invited to represent UCP in the China-Pakistan Youth "Maritime Silk Road" Cultural Exchange Program 2025 in Guangdong, China. |
| 7              | Research Journal Visibility | Successfully registered UCP research journals with CrossRef (DOI) to enhance academic visibility.                             |

**3.5.3 20<sup>th</sup> Meeting ORIC Steering Committee Meeting (30<sup>th</sup> June, 2025)**

| <b>Sr. No.</b> | <b>Notable Initiatives</b>     | <b>Actions</b>  |
|----------------|--------------------------------|---|
| 1              | Strategic Governance           | Formally approved the updated ORIC Vision and Mission statements focused on transformative research and enterprises.  |
| 2              | Five-Year Strategic Plan       | Presented the 2025-2029 Strategic Plan built on six pillars: Research, Commercialization, Linkages, Entrepreneurship, Infrastructure, and Internationalization. |
| 3              | Industrial Problem Solving     | Proposed an independent academia-industry interface unit and established collaborations for aflatoxin mitigation with Rana Rice Mills.                          |
| 4              | Central Research Facilities    | Initiated plans to make three Central Research Facilities (CRFs) operational and display equipment data online.   |
| 5              | Technology Transfer            | Signed Technology Transfer Agreements for 2025 led by Prof. Dr. Kafeel Ahmad.   |
| 6              | Commercialization Field Visits | Conducted field visits to Skypower Pvt. Ltd. for bio-based energy and explored renewable energy innovations at IEEM and ISEM expos.                             |

**3.5.4 21<sup>st</sup> Meeting ORIC Steering Committee Meeting (August 27, 2025)**

| <b>Sr. No.</b> | <b>Notable Initiatives</b> | <b>Actions</b>   |
|----------------|----------------------------|--|
| 1              | Strategic Plan Approval    | Formally approved the ORIC Five-Year Strategic Plan (2025-2029) per HEC policy requirements.       |
| 2              | Research Publications      | Reviewed 15 impact factor publications and published JEIT Vol. 3, Issue 1 and JST Vol. 2, Issue 2. |
| 3              | IP and Commercialization   | Reached a total of 91 IP filings and submitted 34 responses to IPO Pakistan.                       |

|   |                                |   |
|---|--------------------------------|---|
| 4 | Entrepreneurship Summer Course | Conducted a two-week course covering idea validation, legal registration (SECP/NTN), and product formulation (hand wash/lotions). |
| 5 | Faculty Supervision Training   | Conducted a two-week MS/MPhil/PhD Supervision Course for faculty under the HEC GEP 2023 framework.                                |
| 6 | Student Job Placements         | Facilitated student hiring at SRC Pvt. Ltd. and initiated MTO opportunities in HR, Engineering, and AI.                           |

**3.5.5 22<sup>nd</sup> Meeting ORIC Steering Committee Meeting (November 3<sup>rd</sup>, 2025)**

| Sr. No. | Notable Initiatives        | Actions   |
|---------|----------------------------|---|
| 1       | HEC Scorecard Submission   | Successfully submitted the ORIC Scorecard 2024-2025 to HEC ahead of the deadline.   |
| 2       | NRPU Grant Submissions     | UCP faculty submitted 100 proposals for the NRPU 2025-2026 call, demonstrating strong institutional engagement.   |
| 3       | Industrial Consultancies   | Signed two new agreements: a PKR 1 million psychological assessment project with Aeternum Pvt. Ltd. and a dark web analytics project with Genesis Technologies. |
| 4       | Sustainable Infrastructure | Implemented a low-cost biological wastewater treatment plant showcasing UCP’s capacity for environmental solutions.   |
| 5       | AI & Machine Learning      | Conducted training on AI integration in chemistry research using Google Colab and machine learning tools.   |
| 6       | Health Data Collaboration  | Initiated collaboration with Healthwire to access large-scale public health datasets for multidisciplinary research.  |

**3.5.6 23<sup>rd</sup> Meeting ORIC Steering Committee Meeting (December 31<sup>st</sup>, 2025)**

| Sr. No. | Notable Initiatives            | Actions   |
|---------|--------------------------------|---|
| 1       | HEC Journal Funding            | UCP’s five HEC-recognized journals collectively received PKR 1.24 million in funding.   |
| 2       | External Research Grants       | Faculty secured notable grants: Dr. Hira Mubeen (OIC-COMSTECH), Prof. Akhyar Farrukh (PSF), and Dr. Zaib Ali Shaheryar (CRP-ICGEB). |
| 3       | Internal Research Grant (IRGP) | Awarded PKR 6.8 million to support seven interdisciplinary projects across FOST, FOE, FOPS, and FOIT & CS.                          |
| 4       | Sustainability Award           | Launched the FAST-UCP Sustainability Award with a PKR 200,000 cash prize for outstanding student innovation.                        |
| 5       | Digital Transformation         | Launched a newly designed ORIC website featuring a Faculty Consultancy Database and an online equipment catalogue.                  |
| 6       | Product Development Training   | Organized hands-on workshops for smart organic soap formulation and Business Model Design.  |

**3.5.7 Conclusion**

The Steering Committee meetings in 2025 were instrumental in driving UCP toward a future-ready, innovation-driven ecosystem. By convening senior leadership and industry experts, the committee ensured that ORIC’s strategic initiatives remained aligned with national research priorities and HEC policies. These sessions provided a vital forum for oversight, enabling the leadership to assess

performance against key KPIs and refine the university's research and commercialization roadmap. A total of six Steering Committee meetings (18<sup>th</sup> through 23<sup>rd</sup>) were conducted this year to provide the high-level guidance necessary for impactful academic and industrial success.

Throughout the year, the committee achieved significant milestones, most notably the formal approval and implementation of the ORIC Five-Year Strategic Plan (2025-2029). This plan, built upon six strategic pillars, has successfully transitioned UCP-ORIC into the HEC X-category, reflecting a measurable increase in research quality and institutional ranking. The committee also prioritized academia-industry linkages through the Faculty Industry Placement Program (FIPP) and the establishment of new consultancy frameworks, which bridged the gap between theoretical research and real-world application.

Looking forward, the Steering Committee has laid a robust foundation for 2026 by launching a centralized digital platform for consultancy and laboratory services. These efforts, combined with the successful distribution of internal research grants and the promotion of student-led innovation, ensure that ORIC continues to serve as a catalyst for transformative research. The committee remains committed to advancing UCP’s global footprint while maintaining the highest standards of academic integrity and commercial excellence.



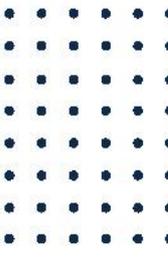
### 3.6 ORIC Policies of Research

The Office of Research, Innovation and Commercialization (ORIC) formulates and implements research policies aimed at promoting a quality-driven, ethical, and innovative research culture within academic institutions. These policies focus on enhancing research capacity, ensuring integrity and compliance with ethical standards, supporting both basic and applied research, and fostering industry-academia linkages for commercialization and societal impact. ORIC also facilitates research funding, proposal development, intellectual property management, and international collaborations, while monitoring performance through structured evaluation mechanisms. Overall, ORIC's research policies aim to strengthen the research ecosystem, boost national and global competitiveness, and contribute to sustainable development.

| Sr. No. | Policy Name  | Objective   | Date of Approval in ACM                             |
|---------|--|---|---|
| 1       | Remuneration Policy for Research Publication in Journals (Revision 2025) | Promotes a strong research culture by encouraging faculty to publish high-quality research in reputable impact factor journals, with a focus on innovation, knowledge advancement, and solutions to industrial and societal challenges. | Approved in 28 <sup>th</sup> ACM, July, 2025, WP 23 |

|   |  |   |  |
|---|--|---|--|
| 2 | Best Researcher & Innovator Award (BRIA) for Faculty Members of UCP                            | To enhance the research productivity and foster innovative work among UCP faculty members.  | Approved in 19 <sup>th</sup> ACM 18 <sup>th</sup> August, 2021, WP No. 34    |
| 3 | Establishment of Ethical Review Committee (ERC) /Institutional Review Board (IRB) for Research | To ensure the protection of the rights, dignity, safety, and well-being of human/living species and environmental impact during the execution of research studies.  | Approved in 19 <sup>th</sup> ACM 18 <sup>th</sup> August, 2021, WP No. 35    |
| 4 | Intellectual Property Management University of Central Punjab (UCP)                            | The Intellectual Property Management Policy (IPMP) will provide the way to encapsulate UCP's research and intellectual property opportunities at an early stage. It will translate these benefits into industry by collaborating closely with the industry through partnerships, collaborations | Approved in 25 <sup>th</sup> ACM 5 <sup>th</sup> April, 2024, WP No. 36      |
| 5 | Policy on offering Consultancy Services by UCP Faculty and Staff to Industries                 | To delineate the contours of policy guidelines facilitating UCP FMs and Staff to engage in consultancy services with industries and external clients on commercial terms.   | Approved in 20 <sup>th</sup> ACM 17 <sup>th</sup> December, 2021, WP No. 10  |
| 6 | Policy on Organizing International/National Conferences/Symposium /Seminar at UCP              | Gives extensive guidelines and direction for the organization of the high-quality conference of international standards.  | Approved in 22 <sup>nd</sup> ACM 23 <sup>rd</sup> September, 2022, WP No. 27 |
| 7 | WP on UCP Research Journals  | In pursuit of making the University of Central Punjab (UCP) as a reputed publisher of peer-reviewed international journals for scholarly work, it is imperative to develop an effective infrastructure for publishing of journals through comprehensive guidelines.                             | Approved in 22 <sup>nd</sup> ACM 23 <sup>rd</sup> September, 2022, WP No. 26 |
| 8 | Policy of Memorandum of Understanding (MOU) University of Central Punjab                       | To provide guidance on engaging industries, organizations, Universities or institutes through MOU   | Approved in 19 <sup>th</sup> November, 2021                                  |

# HEC ORIC SCORECARD



## 4. HEC ORIC Scorecard

In order to quantify the performance verses envisioned research and commercialization profile of the ORICs, an Annual Performance Scorecard has been designed. The Scorecard has four (04) broader domains and activities and each have further Key Performance Indicators

### 4.1 HEC-ORIC Scorecard Domains

The broader domains include:

1. Human Resource & Operations
2. Research Excellence
3. Innovation & Commercialization
4. Sustainability & Capacity Building

Each KPI is quantified by relevant measurable activity and each activity is allocated a score in accordance with its relativity.

### 4.2 Implementation, Performance Monitoring & Evaluation

The Annual Performance Scorecard is rolled out to all HEC recognized ORICs during the month of May every year and the ORICs are requested to submit their duly filled scorecard along with relevant annexures and supporting documents within a one-month timeline. The performance of the ORICs is evaluated via the Scorecard on fiscal year basis, i.e., from July till June every year.

Subsequent to the submission of Annual Performance Scorecard by the ORICs, HEC evaluate and validate the claimed scores against the submitted evidences and supporting documents.

The following ranking criteria is used during the annual performance reviews:

| Category       | Score       | University Overhead |
|----------------|-------------|---------------------|
| W              | 80 or above | 15%                 |
| X              | 60 - 79     | 10%                 |
| Y              | 40 - 59     | 5%                  |
| Non-Performing | Below 40    | -                   |

### 4.3 UCP-ORIC Scorecard submission to HEC

#### 4.3.1 ORICs Assessment in FY 2022-2023

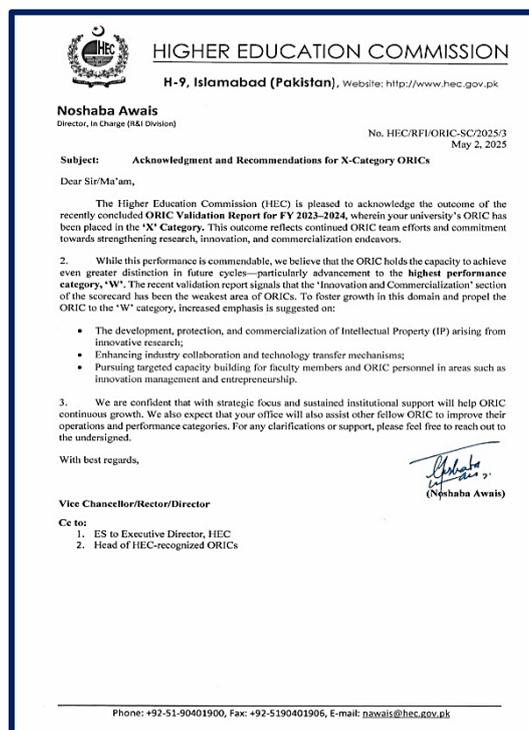
The University of Central Punjab's Office of Research, Innovation, and Commercialization (UCP-ORIC) demonstrated commendable performance in the HEC's ORICs Assessment for the fiscal year 2022-2023. Out of 78 evaluated ORICs, UCP-ORIC secured the 34th position, placing it in the Y-Category with a total score of 48 marks. The office excelled in Human Resource and Operations, achieving a perfect score of 10 out of 10. In the areas of Research Excellence and Innovation and Commercialization, UCP-ORIC scored 14 out of 45 and 12.5 out of 30, respectively. Additionally, it showed strong performance in Sustainability and Capacity Building with 11.5 out of 15 marks. Overall, UCP-ORIC achieved 62.5% success rate in the assessment. This performance highlights UCP-ORIC's commitment to fostering research and innovation despite the competitive landscape.

**4.3.2 UCP-ORIC secured the 34th Position (Y-Category) out of 78 universities**

| SN | University of Central Punjab, Lahore | Total Score | Category       | Y    |
|----|--------------------------------------|-------------|----------------|------|
|    |                                      |             | Score Obtained | 48   |
| A. | Human Resource and Operations        | 10          | 10             | 100% |
| B. | Research Excellence                  | 45          | 14             | 31%  |
| C. | Innovation and Commercialization     | 30          | 12.5           | 42%  |
| D. | Sustainability and Capacity Building | 15          | 11.5           | 77%  |

**4.3.3 ORIC Annual-Assessment in FY 2023-2024**

In the official HEC ORIC Annual Assessment for the fiscal year 2023 to 2024, the University of Central Punjab Office of Research, Innovation, and Commercialization (UCP ORIC) achieved a validated score of 60.5. This performance placed the office in the X Category and ranked it at the 29th position out of 78 universities evaluated across Pakistan. The assessment results for the individual categories show that UCP ORIC achieved a score of 9 out of 10 in Human Resource and Operations, representing 90.0% of the possible points. In the area of Research Excellence, the office secured 24.5 out of 45, which reflects a performance level of 54.4%. The evaluation for Innovation and Commercialization recorded a score of 16.5 out of 30, equating to 55.0%. Finally, in the category of Sustainability and Capacity Building, the office obtained a score of 10.5 out of 15, representing 70.0% of the total. This official ranking demonstrates a clear upward trend from the previous 2022 to 2023 assessment, where the office was positioned in the Y Category with a score of 48 and ranked at 34th place.



**4.3.4 UCP-ORIC secured the 29th Position (X-Category)**

| SN | University of Central Punjab, Lahore | Total Score | Category       | X     |
|----|--------------------------------------|-------------|----------------|-------|
|    |                                      |             | Score Obtained | 60.5  |
| A. | Human Resource and Operations        | 10          | 9              | 90.0% |
| B. | Research Excellence                  | 45          | 24.5           | 54.4% |
| C. | Innovation and Commercialization     | 30          | 16.5           | 55.0% |
| D. | Sustainability and Capacity Building | 15          | 10.5           | 70.0% |

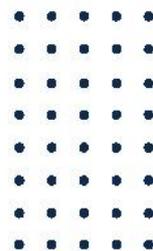
**4.3.5 ORIC Self-Assessment in FY 2024-2025**

In the ORIC **Self-Assessment** for the fiscal year 2024 to 2025, the University of Central Punjab Office of Research, Innovation, and Commercialization (UCP ORIC) has recorded a significant performance milestone. Based on the internal evaluation submitted for HEC review, the office achieved an overall self-assessment score of 72.5 out of 100. UCP ORIC maintained a perfect score of 10 out of 10 in the category of Human Resource and Operations. The office demonstrated its growing strength in Research Excellence by securing a self-evaluated score of 29.50 out of 45. In the area of Innovation and Commercialization, the office recorded 18.00 out of 30. Furthermore, UCP ORIC achieved a maximum score of 15.00 out of 15 in Sustainability and Capacity Building. This self-assessment reflects the

ongoing commitment of UCP ORIC to strengthen its research ecosystem and innovation output as it awaits final validation from the Higher Education Commission.

| SN | University of Central Punjab, Lahore | Total Score | Category       | X    |
|----|--------------------------------------|-------------|----------------|------|
|    |                                      |             | Score Obtained | 72.5 |
| A. | Human Resource and Operations        | 10          | 10             | 100% |
| B. | Research Excellence                  | 45          | 29.5           | 66%  |
| C. | Innovation and Commercialization     | 30          | 18             | 60%  |
| D. | Sustainability and Capacity Building | 15          | 15             | 100% |

# PILLAR 1: **RESEARCH** **EXCELLENCE**



## Pillar 1: Research Excellence

Research serves as a fundamental tool for building knowledge and facilitating continuous learning, playing a pivotal role in making universities globally competitive. Quality research enables institutions to explore organizational and societal issues, allowing them to suggest effective solutions.

The Office of Research, Innovation, and Commercialization (ORIC) at UCP fosters research and development by creating a research-oriented atmosphere where scholars can collaborate to develop cutting edge technologies. To strengthen the research culture, the Directorate of Research designs, develops, and manages processes that create a stimulating environment. This allows faculty members to build their careers around impact and market-oriented research. The directorate formulates and updates policies to facilitate both faculty and students, while also conducting training workshops to equip them with advanced research skills. Furthermore, research output is continuously monitored through a dedicated state of the art portal, and outstanding researchers are encouraged through publication remuneration awards.

During the past year, UCP has expanded its applied research and experimental development, focusing research efforts on creative solutions for social and industrial concerns. This aligns with the university's goal of developing a vibrant community of researchers committed to using resourcefulness to solve challenging commercial issues. The research department is now closely allied with industry and policy to enhance innovative output and secure its place in the national innovation system.

Additionally, UCP promotes transdisciplinary research across various faculties through numerous collaborative projects. Dedicated research groups have been established to exchange knowledge and develop practical solutions for social issues. To further improve the university's standing in Asian and worldwide rankings, PhD qualifications and remuneration policies are being redesigned to prioritize impact factor publications indexed by Scopus.

### 5.1 Research Goals

Research publications and academic journals are fundamental to the progress of the scientific community, serving several primary objectives:

- **Knowledge Dissemination:** Sharing research findings allows the academic community to build upon existing discoveries, promoting a collaborative and cumulative approach to scientific advancement.
- **Quality Assurance:** The peer review process ensures the credibility and reliability of scientific work by subjecting it to rigorous evaluation by independent experts in the field.
- **Professional Recognition:** Publishing in reputable journals enhances a researcher's professional reputation and is a key factor in achieving academic recognition.
- **Academic Discourse:** Publications provide a platform for researchers to engage in high level discussions, present unique perspectives, and contribute to the evolution of theoretical concepts and methodologies.
- **Career and Funding Support:** Scholarly output is vital for obtaining advanced academic degrees, securing competitive research grants, and meeting the requirements for tenure and promotion.

- **Archiving Knowledge:** Journals function as permanent archives of scientific progress, preserving a historical record of research for future generations of scholars.
- **Standardization and Refinement:** Published research provides a benchmark for comparing methodologies and results, enabling the scientific community to refine and improve existing research approaches.

Overall, research publications and journals are essential for advancing human knowledge, fostering global collaboration, and upholding the integrity of the scientific process. They remain central to the continuous growth and development of all academic disciplines

### 5.2 UCP PhD and Non-PhD Faculty Members

The University of Central Punjab maintains a strong academic foundation with a total faculty strength of 632 members across various disciplines. This workforce is composed of 194 PhD faculty members and 438 non-PhD faculty members who contribute to the research and teaching environment of the institution. The distribution of these members across the different faculties is detailed below:

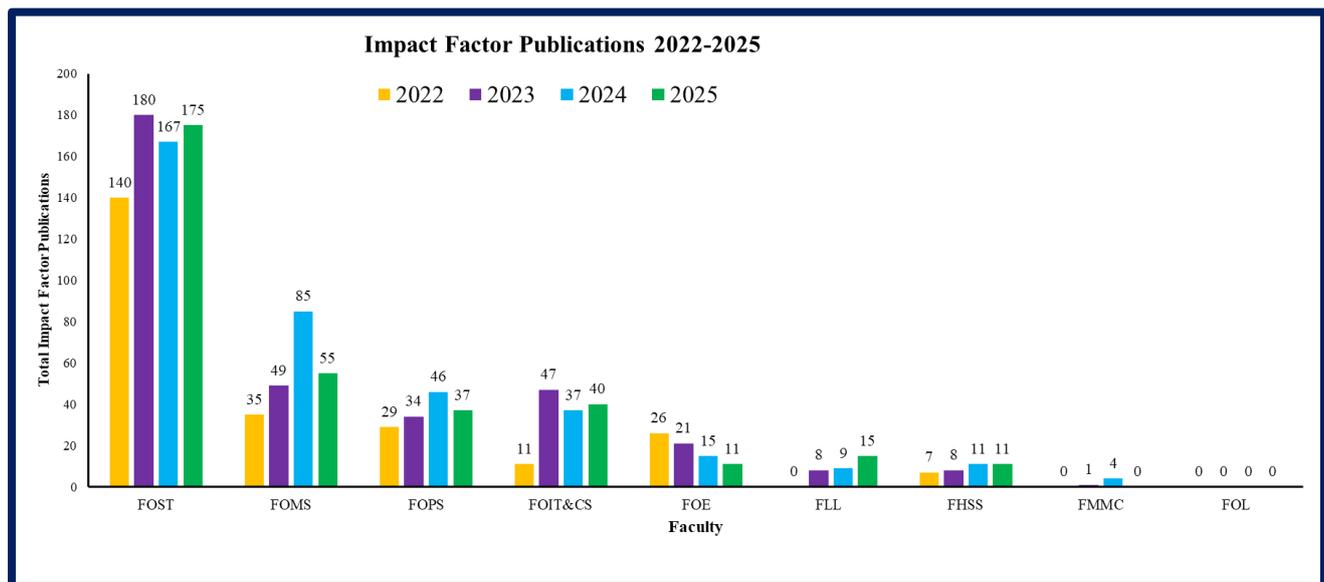
1. **Faculty of Science and Technology (FOST):** This faculty has a total of 89 members, consisting of 50 PhD holders and 39 non-PhD members.
2. **Faculty of Pharmaceutical Sciences (FOPS):** There are 33 faculty members in total, with 17 PhD holders and 16 non-PhD members.
3. **Faculty of Management Sciences (FOMS):** This faculty comprises 111 members, including 47 PhD holders and 64 non-PhD members.
4. **Faculty of Media and Mass Communication (FMMC):** The total strength is 22 members, featuring 10 PhD holders and 12 non-PhD members.
5. **Faculty of Engineering (FOE):** This faculty consists of 33 members, with 12 PhD holders and 21 non-PhD members.
6. **Faculty of Information Technology and Computer Science (FOIT&CS):** This is the largest faculty with 216 members, including 29 PhD holders and 187 non-PhD members.
7. **Faculty of Languages and Literature (FLL):** There are 62 members in total, with 11 PhD holders and 51 non-PhD members.
8. **Faculty of Law (FOL):** The faculty has 8 members, consisting of 3 PhD holders and 5 non-PhD members.
9. **Faculty of Humanities and Social Sciences (FHSS):** This faculty includes 58 members, with 15 PhD holders and 43 non-PhD members.

| Sr. No. | Faculty      | Total PhD Faculty Members | Total Non-PhD Faculty Member's | Total      |
|---------|--------------|---------------------------|--------------------------------|------------|
| 1       | FOST         | 50                        | 39                             | 89         |
| 2       | FOPS         | 17                        | 16                             | 33         |
| 3       | FOMS         | 47                        | 64                             | 111        |
| 4       | FMMC         | 10                        | 12                             | 22         |
| 5       | FOE          | 12                        | 21                             | 33         |
| 6       | FOIT&CS      | 29                        | 187                            | 216        |
| 7       | FLL          | 11                        | 51                             | 62         |
| 8       | FOL          | 3                         | 5                              | 8          |
| 9       | FHSS         | 15                        | 43                             | 58         |
|         | <b>Total</b> | <b>194</b>                | <b>438</b>                     | <b>632</b> |

### 5.3 Faculty Wise Impact Factor Publications

The University of Central Punjab has demonstrated a strong commitment to high quality research through its impact factor publications. These publications represent the academic contributions of faculty members in journals recognized for their scientific influence and rigorous peer review standards. The following data outlines the research output across different faculties for the year 2025:

- 1. Faculty of Science and Technology (FOST):** This faculty leads the university with a total of 175 impact factor publications.
- 2. Faculty of Pharmaceutical Sciences (FOPS):** The faculty has contributed 37 impact factor publications to the university research portfolio.
- 3. Faculty of Engineering (FOE):** Faculty members in this department have published 11 research papers in impact factor journals.
- 4. Faculty of Information Technology and Computer Science (FOIT&CS):** This faculty has recorded 40 impact factor publications.
- 5. Faculty of Management Sciences (FOMS):** The faculty has achieved 55 impact factor publications.
- 6. Faculty of Humanities and Social Sciences (FHSS):** There are 11 impact factor publications recorded for this faculty.
- 7. Faculty of Languages and Literature (FLL):** The faculty has recorded 15 impact factor publication.

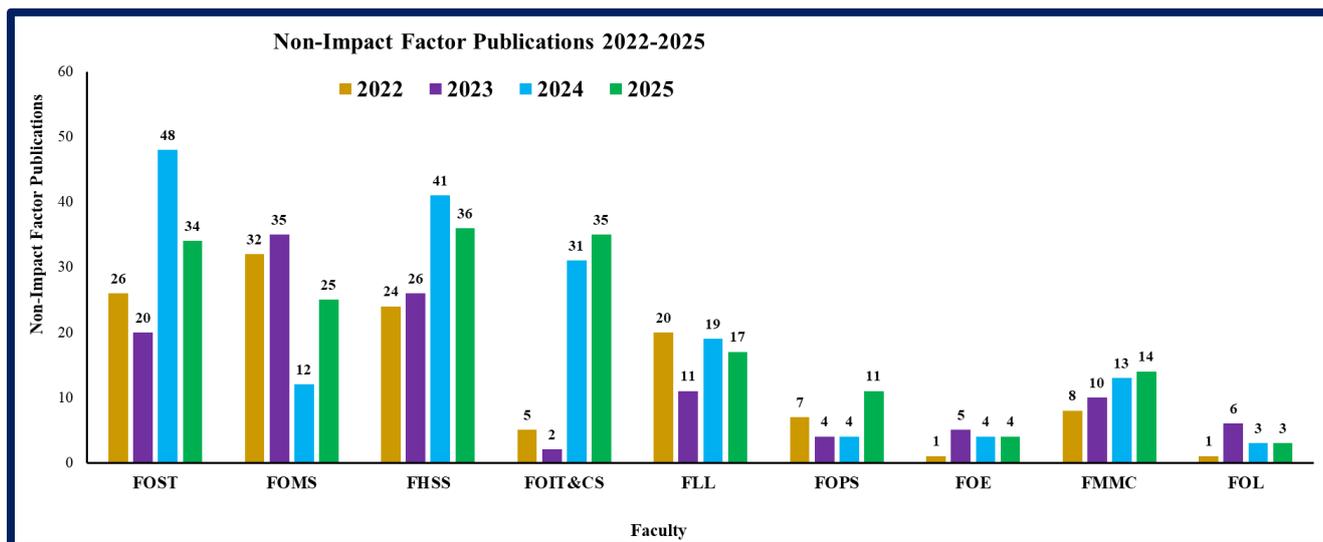


### 5.4 Faculty Wise Non-Impact Factor Publications

The University of Central Punjab also tracks research contributions in non impact factor journals, which are essential for broad academic discourse and regional knowledge sharing. The following data outlines the research output across different faculties for the year 2025:

- 1. Faculty of Management Sciences (FOMS):** This faculty leads the university with a total of 25 non impact factor publications.
- 2. Faculty of IT and Computer Science (FOIT&CS):** The faculty has contributed 35 non impact factor publications.
- 3. Faculty of Science and Technology (FOST):** Faculty members in this department have published 34 research papers in non impact factor journals.

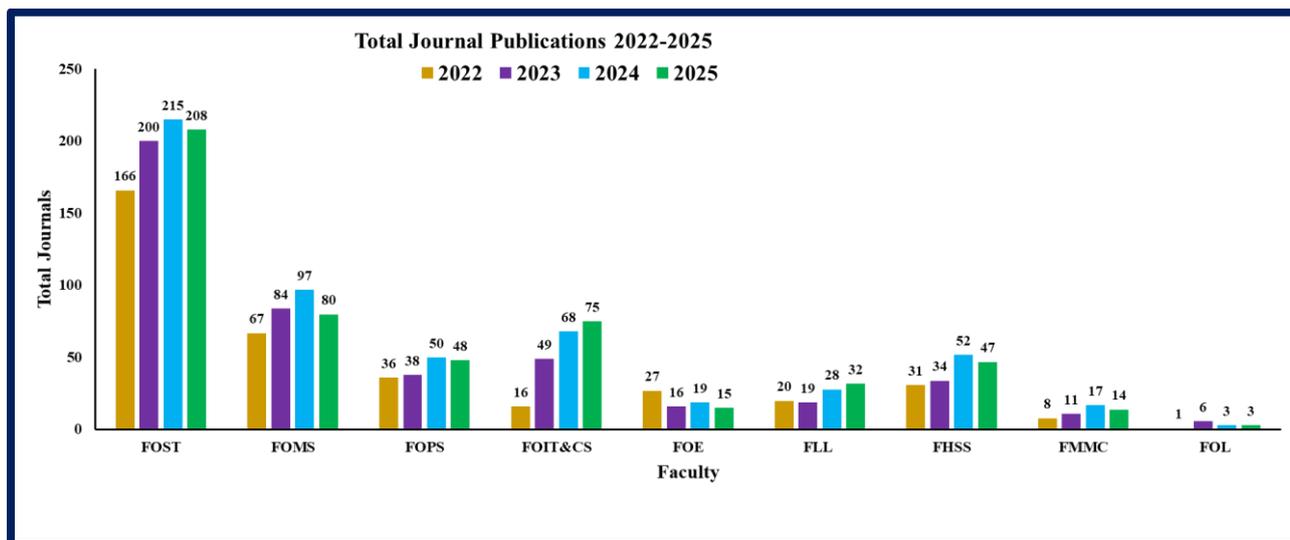
4. **Faculty of Humanities and Social Sciences (FHSS):** This faculty has recorded 36 non impact factor publications.
5. **Faculty of Languages and Literature (FLL):** The faculty has achieved 17 non impact factor publications.
6. **Faculty of Media and Mass Communication (FMMC):** There are 14 non impact factor publications recorded for this faculty.
7. **Faculty of Pharmaceutical Sciences (FOPS):** The faculty has recorded 11 non impact factor publications.
8. **Faculty of Law (FOL):** This faculty has recorded 3 non impact factor publications.
9. **Faculty of Engineering (FOE):** The faculty has recorded 4 non impact factor publications.



### 5.5 Faculty-Wise Total Journal Publications (IF + Non-IF)

The University of Central Punjab has achieved a significant milestone in its research productivity for the year 2025. By integrating both impact factor and non-impact factor publications, the university demonstrates a comprehensive engagement with global scientific standards and regional academic discourse. The following data outlines the total journal publication output across all faculties:

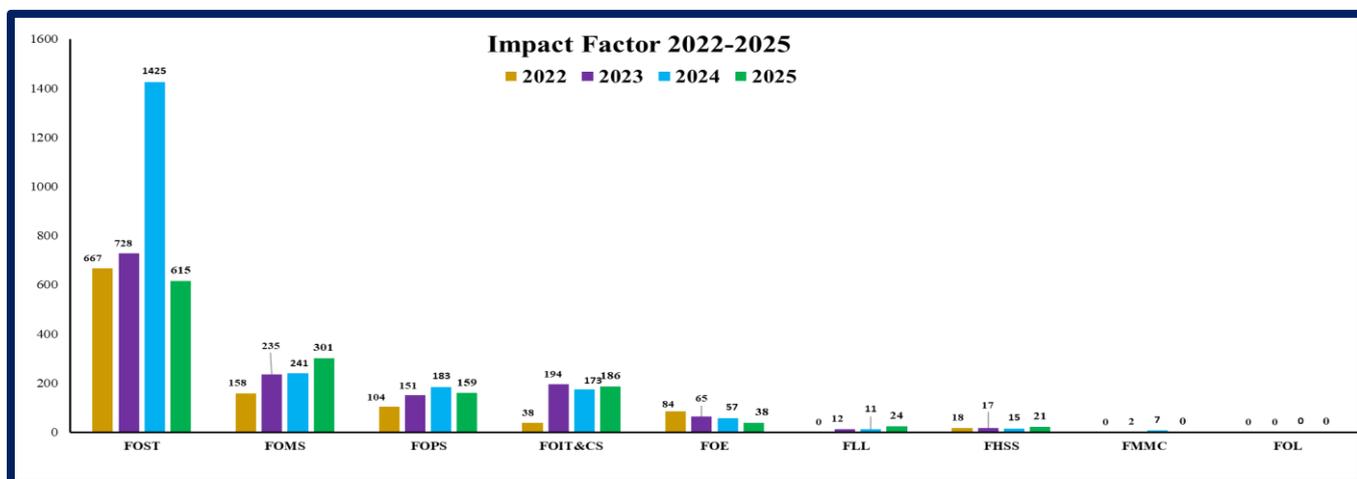
1. **Faculty of Science and Technology (FOST):** This faculty leads the university with a combined total of 208 journal publications.
2. **Faculty of IT and Computer Science (FOIT&CS):** The faculty has contributed a total of 75 publications, driven largely by a strong performance in non-impact factor journals.
3. **Faculty of Pharmaceutical Sciences (FOPS):** This faculty recorded a total of 48 publications, reflecting a high level of research activity in the clinical and pharmaceutical fields.
4. **Faculty of Management Sciences (FOMS):** The faculty achieved a total of 80 journal publications, maintaining a leading position in HEC-recognized non-impact factor research.
5. **Faculty of Humanities and Social Sciences (FHSS):** There are 47 total publications recorded for this faculty, showing steady growth in social science research.
6. **Faculty of Languages and Literature (FLL):** This faculty has recorded a total of 32 journal publications for the reporting year.
7. **Faculty of Engineering (FOE):** Faculty members in this department have published a total of 15 research papers across both categories.
8. **Faculty of Media and Mass Communication (FMMC):** The faculty has contributed 14 total publications to the university's research portfolio.
9. **Faculty of Law (FOL):** The faculty recorded 3 publications, primarily focused on HEC-recognized legal journals.



### 5.6 Faculty Wise Cumulative Impact Factor of Journal Publications

The quality and scientific influence of research at the University of Central Punjab are reflected in the cumulative impact factor of its journal publications. This metric serves as a key indicator of the academic reach and global recognition of the university's scholarly work. For the year 2025, the cumulative impact factor across various faculties is detailed below:

- 1. Faculty of Science and Technology (FOST):** This faculty leads the university with a cumulative impact factor of 615.
- 2. Faculty of Pharmaceutical Sciences (FOPS):** The faculty has achieved a cumulative impact factor of 159.
- 3. Faculty of Engineering (FOE):** Research from this faculty contributed a cumulative impact factor of 38.
- 4. Faculty of Information Technology and Computer Science (FOIT&CS):** This faculty recorded a cumulative impact factor of 186.
- 5. Faculty of Management Sciences (FOMS):** The cumulative impact factor for this faculty is 301.
- 6. Faculty of Humanities and Social Sciences (FHSS):** This faculty contributed a cumulative impact factor of 21.
- 7. Faculty of Languages and Literature (FLL):** This faculty recorded a cumulative impact factor of 24.

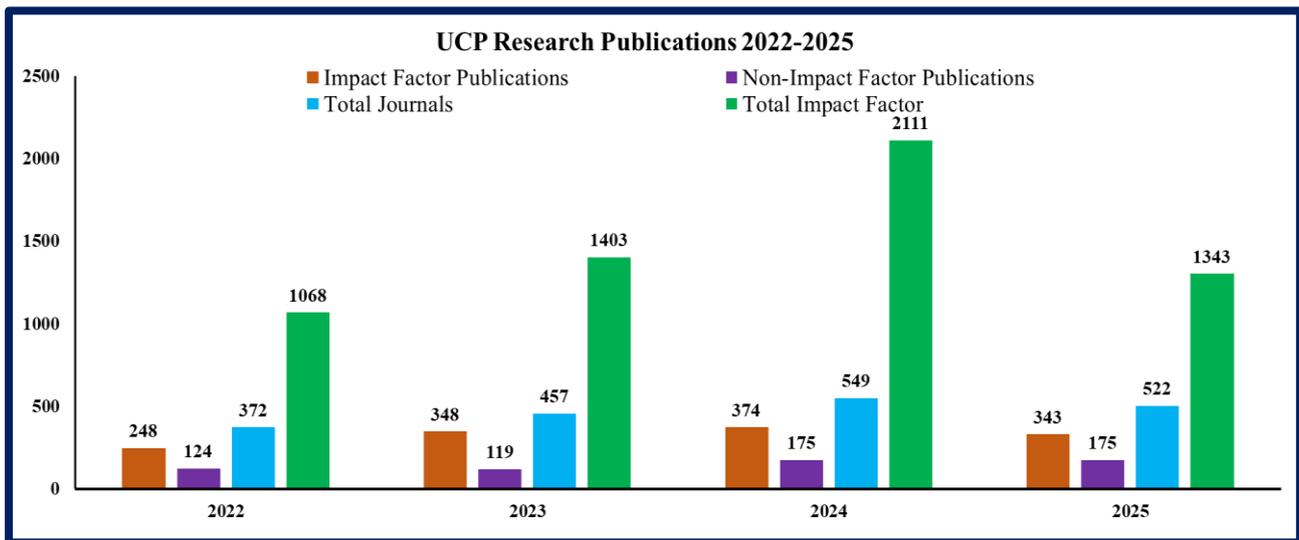


### 5.7 UCP Research Publications

The University of Central Punjab has demonstrated a significant increase in its overall research productivity for the 2025 reporting year. The university tracks its scholarly contributions across both impact factor and non-impact factor categories to measure global scientific standing alongside regional academic engagement. The following data summarizes the total publication output:

- **Total Journal Publications:** For the year 2025, the university achieved a record-breaking grand total of 522 research publications.
- **Impact Factor (IF) Publications:** A total of 343 papers were published in high-impact journals recognized for their scientific rigor.
- **Non-Impact Factor (Non-IF) Publications:** The university contributed 175 publications to HEC-recognized (Y-category) and other peer-reviewed journals.
- **Cumulative Impact Factor:** The qualitative output of these research works resulted in a university-wide cumulative impact factor of 1343.

This overall performance highlights the success of the university's strategic focus on fostering a robust research ecosystem across all faculties.



5.8 Top Cited Researchers

|   |  |  |  |   |
|---|--|--|--|---|
|                                        |                                       |   |                                        |    |
| <p>Dr. Muhammad Naveed<br/>Professor, FOST<br/><b>Citations: 24140</b><br/>H-Index: 44<br/>i10-Index: 125</p>           | <p>Dr. Jawad Abbas<br/>Assistant Professor, FOMS<br/><b>Citations: 9206</b><br/>H-Index: 45<br/>i10-Index: 58</p>      | <p>Dr. Sumaira Zaib<br/>Professor, FOST<br/><b>Citations: 5564</b><br/>H-Index: 42<br/>i10-Index: 122</p>                  | <p>Dr. Ghulam Jilany Khan<br/>Associate Professor, FOPS<br/><b>Citations: 4138</b><br/>H-Index: 31<br/>i10-Index: 61</p> | <p>Dr. Muhammad Akhyar Farrukh<br/>Professor/HoD Director ORIC, FOST<br/><b>Citations: 3823</b><br/>H-Index: 35<br/>i10-Index: 82</p> |
|                                       |                                      |    |                                       |   |
| <p>Dr. Muhammad Jamshaid<br/>Professor, FOPS<br/><b>Citations: 3113</b><br/>H-Index: 34<br/>i10-Index: 73</p>           | <p>Dr. Muhammad Zaman<br/>Associate Professor, FOPS<br/><b>Citations: 3032</b><br/>H-Index: 27<br/>i10-Index: 92</p>   | <p>Dr. Saira Andleeb Gillani<br/>Professor, FOIT &amp; CS<br/><b>Citations: 2838</b><br/>H-Index: 19<br/>i10-Index: 27</p> | <p>Dr. Sadaf Hameed<br/>Assistant Professor, FOST<br/><b>Citations: 2326</b><br/>H-Index: 23<br/>i10-Index: 43</p>       | <p>Dr. Shahid Saeed Siddiqi<br/>Professor, FOST<br/><b>Citations: 2298</b><br/>H-Index: 30<br/>i10-Index: 60</p>                      |
|                                      |                                     |   |                                      |    |
| <p>Dr. Ahmed Faisal Imtiaz Siddiqi<br/>Professor, FOMS<br/><b>Citations: 2197</b><br/>H-Index: 19<br/>i10-Index: 28</p> | <p>Dr. Raja Irfan Sabir<br/>Associate Professor, FOMS<br/><b>Citations: 1928</b><br/>H-Index: 24<br/>i10-Index: 40</p> | <p>Dr. Muhammad Riaz<br/>Assistant Professor, FOST<br/><b>Citations: 1789</b><br/>H-Index: 20<br/>i10-Index: 40</p>        | <p>Dr. Babar Hussain<br/>Assistant Professor, FOST<br/><b>Citations: 1623</b><br/>H-Index: 18<br/>i10-Index: 23</p>      | <p>Dr. Mahtab Ahmad Khan<br/>Dean/ Professor, FOPS<br/><b>Citations: 1606</b><br/>H-Index: 17<br/>i10-Index: 31</p>                   |

|   |   |   |  |   |
|---|---|---|--|---|
|                |                                  |                          |              |                        |
| Dr. Aqeel Ahmad<br>Professor,<br>FOMS<br><b>Citations: 1509</b><br>H-Index: 19<br>i10-Index: 40 | Dr. Muhammad Saeed Shahbaz<br>Associate Professor, FOMS<br><b>Citations: 1237</b><br>H-Index: 19<br>i10-Index: 25 | Dr. Sanabil Yaqoob<br>Assistant Professor, FOST<br><b>Citations: 1152</b><br>H-Index: 17<br>i10-Index: 24 | Dr. Hammad Naveed<br>Pro Rector, UCP<br><b>Citations: 1150</b><br>H-Index: 20<br>i10-Index: 32 | Dr. Ayesha Murtaza<br>Associate Professor, FOST<br><b>Citations: 1101</b><br>H-Index: 19<br>i10-Index: 24 |

|  |  |
|--|--|
|                          |                                 |
| Dr. Ata Ul musawir<br>Assistant Professor,<br>FOMT<br><b>Citations: 1050</b><br>H-Index: 8<br>i10-Index: 8 | Dr. Muhammad Amjad Iqbal<br>Assistant Professor,<br>FOMT<br><b>Citations: 1030</b><br>H-Index: 15<br>i10-Index: 30 |

### 5.9 Faculty Members Scoring 100 plus Impact Factor (2025)

The University of Central Punjab continues to foster a high-impact research culture. In 2025, an elite group of faculty members reached the prestigious milestone of achieving a cumulative Impact Factor of 100 or higher. This list represents our top tier of researchers whose scholarly contributions are driving global scientific dialogue and elevating the university's academic standing.

#### 5.9.1 List of Faculty Members Scoring 100+ Impact Factor (2025)

| Sr. | Name of Faculty Member      | Designation               | Faculty/Department                        |
|-----|-----------------------------|---------------------------|---|
| 1   | Dr. Hammad Naveed           | Pro-Rector                | University of Central Punjab              |
| 2   | Dr. Mahtab Ahmad Khan       | Dean / Professor          | Faculty of Pharmaceutical Sciences (FOPS) |
| 3   | Dr. Muhammad Akhyar Farrukh | Professor / Director ORIC | Faculty of Science & Technology (FOST)    |

|    |                                |                     |   |
|----|--------------------------------|---------------------|---|
| 4  | <b>Dr. Sumera Zaib</b>         | Professor           | Faculty of Science & Technology (FOST)    |
| 5  | <b>Dr. Muhammad Naveed</b>     | Professor           | Faculty of Science & Technology (FOST)    |
| 6  | <b>Dr. Muhammad Zaman</b>      | Associate Professor | Faculty of Pharmaceutical Sciences (FOPS) |
| 7  | <b>Dr. Ayesha Murtaza</b>      | Associate Professor | Faculty of Science & Technology (FOST)    |
| 8  | <b>Dr. Ghulam Jilany Khan</b>  | Associate Professor | Faculty of Pharmaceutical Sciences (FOPS) |
| 9  | <b>Dr. Huma Hameed</b>         | Associate Professor | Faculty of Pharmaceutical Sciences (FOPS) |
| 10 | <b>Dr. Jawad Abbas</b>         | Associate Professor | Faculty of Management Science (FOMS)      |
| 11 | <b>Dr. Hafiz Shoaib Sarwar</b> | Associate Professor | Faculty of Pharmaceutical Sciences (FOPS) |

### 5.10 Research Projects Applied and Secured Funding

The research landscape at the University of Central Punjab (UCP) experienced significant growth and diversification during the 2025 reporting cycle. The Office of Research Innovation and Commercialization (ORIC) spearheaded efforts to transition academic inquiry into tangible solutions, focusing on interdisciplinary collaboration and industrial relevance. This period was marked by a highly competitive selection process, reflecting the university's commitment to quality over quantity in its research output.

#### 5.10.1 Funding Overview and Success Rate

UCP faculty demonstrated exceptional dedication to advancing knowledge, submitting a total of **258 research proposals** for various funding opportunities. This high volume of submissions underscores the vibrant research culture currently thriving within the institution. From this extensive pool, **11 high-priority projects** were selected for funding, representing a strategic focus on projects with high potential for societal impact and commercial viability.

#### 5.10.2 Strategic Funding Streams

The funded projects are categorized into two primary streams, each serving a distinct purpose in the university's research ecosystem:

- ❖ **International and National External Grants:**

Four projects secured funding from prestigious external bodies, including SUPARCO, the Pakistan Science Foundation (PSF), OIC-COMSTECH, and CRP-ICGEB. These grants validate the international standing of UCP research in specialized fields such as space applications, sustainable agriculture, and maternal healthcare.

- ❖ **Internal Research Grant Projects (IRGP) by ORIC UCP:**

Seven projects were awarded funding through ORIC UCP. These internal grants are specifically designed to bridge the gap between academia and industry. Every project under this stream is partnered with a specific industry player, ensuring that the research addresses real-world challenges in sectors like pharmaceuticals, software engineering, and food sciences.

**5.10.3 Impact and Interdisciplinary Reach**

The successful proposals span a wide range of critical domains, including:

- **Advanced Engineering:** Development of antenna arrays for space applications and IoT-enabled smart irrigation.
- **Health and Biotechnology:** Breakthroughs in neurodegenerative studies, diabetic wound management, and AI-powered mental health support for children.
- **Sustainable Solutions:** Innovations in biofertilizers and water conservation through liquid nano-clay.

By securing a total investment exceeding **PKR 10 million** UCP has solidified its role as a leading research-intensive institution. These projects not only contribute to the global body of knowledge but also provide invaluable hands-on research opportunities for students, preparing the next generation of scientists and innovators.

**5.10.4 Externally Funded Projects (International and National Grants)**

The following table details the projects that secured funding from prestigious external bodies, including national commissions and international scientific organizations.

| SN | Name of Research Grant            | Date of Approval | Name of Faculty Member      | Title of Research Proposal   | Total Amount    | Role |
|----|-----------------------------------|------------------|-----------------------------|--|-----------------|------|
| 1  | SUPARCO                           | 27-Feb-2025      | Dr. Muhammad Kamran Saleem  | Design and Development of Ultra-Wide Band (UWB) Antenna Array for Space Applications                               | PKR 1.2 million | PI   |
| 2  | OIC-COMSTECH                      | 18-Nov-2025      | Dr. Hira Mubeen             | Development of a low-cost paper-Based Microfluidic Chip for Early detection of Preeclampsia via Urinary Biomarkers | USD 5,000       | PI   |
| 3  | Pakistan Science Foundation (PSF) | 20-Nov-2025      | Dr. Muhammad Akhyar Farrukh | Commercially manufacturing of liquid nano-clay for arid land’s irrigation and water conserving capacity            | PKR 2,200,000   | PI   |
| 4  | CRP-ICGEB                         | 28-Nov-2025      | Dr. Zaib Ali Shaheryar      | Peptide guided liposomal gene silencing strategy against neurodegenerative studies                                 | EUR 9,000       | PI   |

**5.11 Internal Research Grant Projects (IRGP) 2025 (New Initiative)**

In 2025, the Office of Research, Innovation, and Commercialization (ORIC) achieved a significant milestone by launching the **Internal Research Grant Projects (IRGP)**. This new initiative is designed to catalyze applied research and foster interdisciplinary collaboration across the university.

By providing structured financial support, ORIC enables faculty members to transition their academic concepts into tangible solutions that address industrial and societal challenges.

A total of seven high-impact research projects were awarded under the IRGP 2025 cycle. These projects showcase a sophisticated integration of diverse fields, including Biotechnology, Pharmacy, Chemistry, and Computer Science. The primary focus of this grant is to encourage the development of commercially viable products and sustainable technologies through partnerships with key industrial players.

### 5.11.1 List of Awarded Internal Research Grant Projects (IRGP) 2025

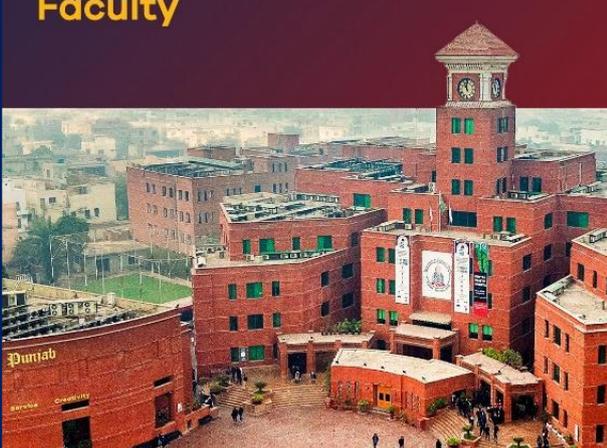


University of Central Punjab



Office of Research, Innovation & Commercialization

## Call for Applications – Internal Research Grant Program (IRGP) for UCP Faculty





University of Central Punjab

## Award of Research Project Under Internal Research Grant Program (IRGP)

| Sr. | Project Name  | Awarded To          |
|-----|---|---------------------|
| 1   | Development and Application of a Liquid PGPR-Enriched Biofertilizer from Anaerobic Digestate for Sustainable Soil Fertility                                 | Dr. Salma Batool    |
| 2   | Bioactive Herbal Formulations for Enhanced Wound Healing  | Dr. Madiha Khan     |
| 3   | Energy Efficient IoT-Enabled Smart Irrigation System for Sustainable Agriculture  | Dr. Kashif Nasr     |
| 4   | AI-Assisted Formulation and Development of Chitosan Nanoparticle Sheet Masks for Skincare Application   | Dr. Sadaf Hameed    |
| 5   | A natural, contactless thermoresponsive formulation of curcumin and collagen for diabetic wound and foot ulcer management                                   | Dr. Muhammad Zaman  |
| 6   | Personalized Mental Health Support through AI-Powered Recommender Systems: Enhancing Well-Being and Early Detection of Autism Spectrum Disorder in Children | Dr. Anam Mutagaem   |
| 7   | BioFizz-The Future of Functional Carbonated Beverages   | Dr. Kanza Aziz Awan |

### 5.12 FAST Excellence and Sustainability Awards Conferred at the 28th UCP Convocation

UCP ORIC proudly announced two prestigious awards sponsored by Fast Cables at the 28th UCP Convocation held at UCP Lahore. The FAST Excellence Award, carrying a cash prize of **PKR 100,000**, was awarded to one outstanding student in recognition of exceptional academic and project excellence. The FAST Sustainability Award, with a total prize of **PKR 200,000**, was presented by the CEO of Fast Cables, Mr. Kamal Mian, to the winning project titled “Development of Eco-3D Printing Filament Using Recycled PET Plastic Waste.” This award was distributed among three students for achieving the highest evaluation score against the defined sustainability criteria

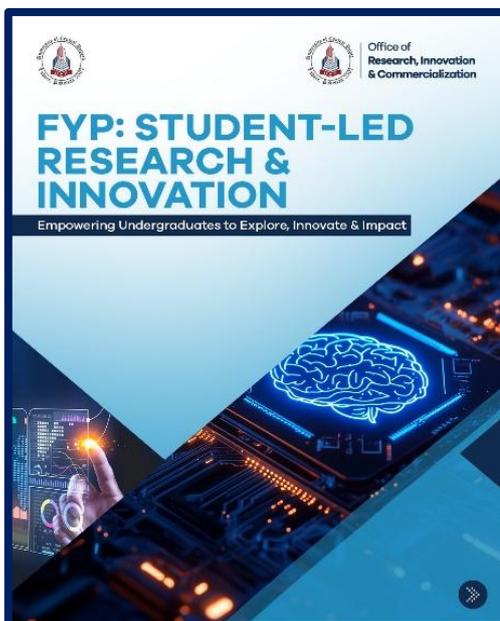


### 5.13 FYP - Student Lead Research & Innovation 2025 Awarded Projects by UCP ORIC (New Initiative)

The FYP - Student Lead Research & Innovation 2025 at the University of Central Punjab (UCP) empowers students to transform their academic knowledge into practical, innovative solutions. This program encourages interdisciplinary research and entrepreneurship, allowing students to lead projects that address real-world challenges in health, engineering, and sustainability.

Following a rigorous selection process, the following projects and student leaders have been recognized for their excellence and awarded with **50K cask (each)** to support their projects for their initiatives in 2025.

#### 5.13.1 List of Awarded Student Initiatives



**Award of FYP: Student-Led Research & Innovation Fund**

| Sr. | Project Name  | Supervisor 1                              | Supervisor 2      | Team Lead                             | Group Members  |
|-----|---|---|-------------------|---------------------------------------|--|
| 1   | Development of Solar Powered and IoT Enabled Waterless System for Growing Container Using Single Phase as a Bioreactor                            | Dr. Ali Ahmad                             | Dr. Muhammad Rizq | Muhammad Zohaib Waqar (L1F22BSME0001) | Waqar Muhammad Awan (L1F22BSME0002)<br>Iqbal Ali Asad Ullah (L1F22BSME0003)<br>Jamil Raza (L1F22BSME0002)                              |
| 2   | Multi-Scale Innovative Anti-Spam Mail Filter (Eureka Filter)  | Miss Tasiba Mehboub<br>Dr. Muhammad Zaman | Rafiq Mehboub     | Ahmed Asif (L1F22PHMD0010)            | Amber Sarwar (L1F22PHMD0014)<br>Zohaib Ahmad (L1F22PHMD0015)<br>Muhammad Ahmad (L1F22PHMD0016)<br>Hafiz Haroon (L1F22PHMD0017)         |
| 3   | Development of a Smart Based Diabetic Urine Box (Smartness) Using IoT-based Board System with Arduino   | Dr. M. Azeed Shafique                     | Dr. Sahar Bakht   | Danish Ahmad (L1F22SCIE0010)          | Danish Ahmad (L1F22SCIE0010)<br>Hassan Durrani (L1F22SCIE0011)<br>M. Sumair Asif (L1F22SCIE0012)<br>M. Mubashir Muneer (L1F22SCIE0013) |
| 4   | Formulation of Herbal Fragrance Containing Essential oils, Withania somnifera, and Zingiber officinale for the Management of Rheumatoid Arthritis | Miss Tasiba Mehboub<br>Dr. Muhammad Zaman | Ms. Mounam Wajid  | Rafiqah Asif (L1F22PHMD0011)          | Muhammad Akbar (L1F22PHMD0012)<br>Tasneem Fatima (L1F22PHMD0013)<br>Uzma Fatima (L1F22PHMD0014)  |
| 5   | Formulation and Evaluation of a Herbal Hydrogel Patch Containing Curcumin, Piperment Oil, and Strong Extract for Pain Growth                      | Ms. Tasiba Mehboub                        | Dr. Amman Mansoor | Sahana Mahmood (L1F22PHMD0012)        | Sahana Mahmood (L1F22PHMD0012)<br>Sana Raza Ali (L1F22PHMD0013)<br>Muhammad Sahar (L1F22PHMD0014)                                      |

### 5.14 UCP Research Journals: Advancing Academic Excellence

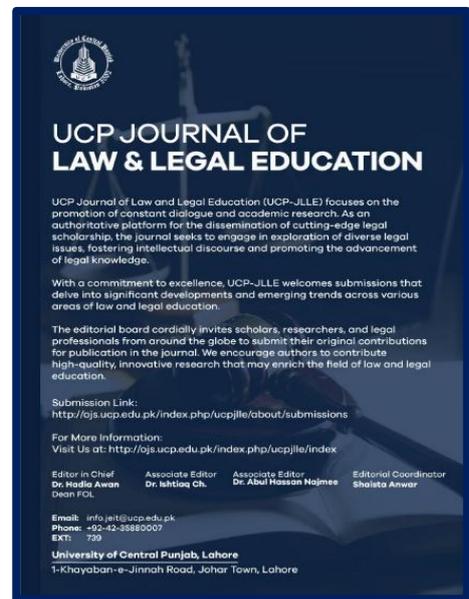
The University of Central Punjab continues to prioritize high-quality academic publishing through its specialized research journals. In alignment with the Higher Education Commission (HEC) guidelines, the University of Central Punjab continues to strengthen its scholarly footprint through the publication of seven specialized research journals. Managed by dedicated focal persons across various faculties, these journals serve as critical platforms for academic dialogue and the dissemination of high-quality research. These platforms serve as vital conduits for scholarly discourse and have achieved significant institutional recognition. A major milestone for the university is that six out of its seven journals are now officially **HEC Recognized in the Y Category**.

Throughout 2025, these journals maintained rigorous publication standards and schedules. The data below outlines the latest publication details for the current reporting year.

#### 5.14.1 UCP Journal of Law & Legal Education (HEC Recognized Y Category)

The UCP Journal of Law and Legal Education (UCP-JLLE) is a peer-reviewed, bi-annual, and open-access journal published by the Faculty of Law (FOL) at the University of Central Punjab (UCP). The journal focuses on publishing research articles in the domains of legal academics and research comparisons of various international laws and their application relative to Pakistan’s legal framework. Its editorial and advisory boards include notable law academics, scholars, judges, and members of Bar Councils from both Pakistan and around the world.

In 2025, the journal reached a significant milestone by securing HEC Recognized Y Category status, reflecting its high academic standards and rigorous peer-review processes.



#### 2025 Publication Details

- ❖ **Vol. 3 Issue 1:** Published on 14-04-2025.
- ❖ **Vol. 3 Issue 2:** Published on 20-10-2025.
- ❖ **ISSN:** 2958-065X (Print) and 2959-8710 (Online).

#### 5.14.2 UCP Journal of Humanities & Social Sciences (HEC Recognized Y Category)

The UCP Journal of Humanities & Social Sciences is an HEC recognized (Y-Category) research journal published by the Faculty of Humanities & Social Sciences at the University of Central Punjab (UCP). As a multidisciplinary platform, the journal covers a wide array of fields, including Political Science, International Relations, Economics, Psychology, Sociology, Anthropology, Governance and Public Policy, and Philosophy. It serves as a vital nexus between academia, researchers, and policymakers, emphasizing the promotion of scholarly work that offers practical applications to contemporary societal challenges.



**2025 Publication Details**

- ❖ **Vol. 3 Issue 2:** Published on 20-05-2025.
- ❖ **Vol. 4 Issue 1:** Published in 24-12-2025.
- ❖ **ISSN:** 2958-6887 (Print) and 2958-6895 (Online).

**5.14.3 UCP Journal of Mass Communication (HEC Recognized Y Category)**

The UCP Journal of Mass Communication (UCP-JMC) is a multidisciplinary, peer-reviewed journal focusing on Mass Communication, Journalism, and Media Content. The journal is published bi-annually by the Faculty of Media and Mass Communication at the University of Central Punjab (UCP). Its primary objective is to publish research articles derived from high-quality scholarly work to promote dialogue and debate within the field.

In 2025, the journal maintained its commitment to quality through a strict policy of initial editorial screening and a secondary peer-review process. As an HEC Recognized Y Category journal, it continues to welcome submissions from research scholars worldwide.



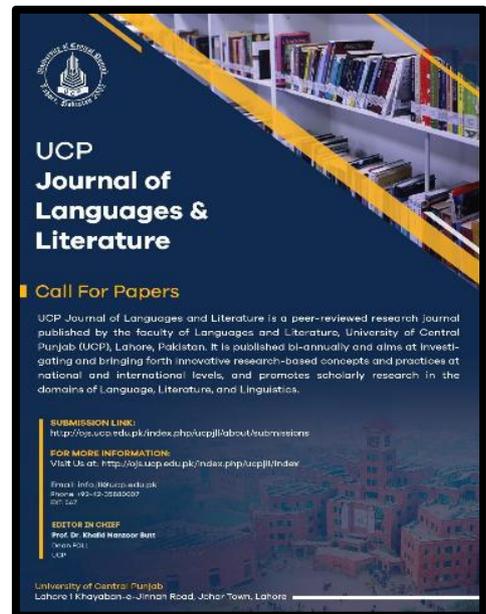
**2025 Publication Details**

- ❖ **Vol. 3 Issue 1:** Published on 30-06-2025.
- ❖ **Vol. 3 Issue 2:** Published in 31-12-2025.
- ❖ **ISSN:** 2959-8524 (Print) and 2959-8532 (Online).

**5.14.4 UCP Journal of Languages & Literature (HEC Recognized Y Category)**

The UCP Journal of Languages and Literature is a peer-reviewed research journal published by the Faculty of Languages and Literature at the University of Central Punjab (UCP). Published bi-annually, the journal focuses on investigating and sharing innovative research concepts and practices at both national and international levels. It serves as a dedicated platform for promoting scholarly research in the fields of Language, Literature, and Linguistics.

In 2025, the journal continued to build its reputation as an HEC Recognized Y Category publication, maintaining high standards for academic inquiry and peer review.



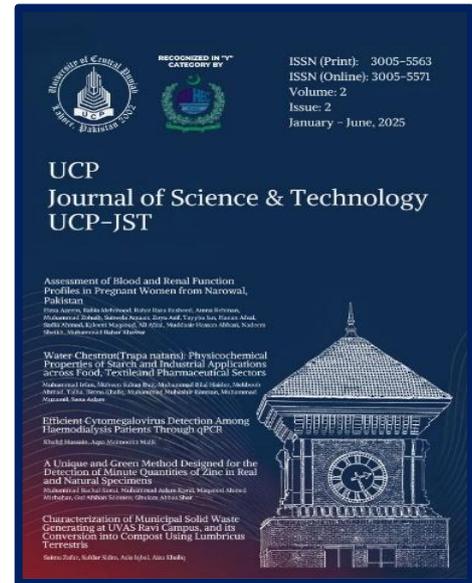
**2025 Publication Details**

- ❖ **Vol. 2 Issue 2:** Published on 01-03-2025.
- ❖ **Vol. 3 Issue 1:** Published in 22-04-2025.
- ❖ **ISSN:** 2790-8445 (Print) and 2790-8453 (Online).

**5.14.5 UCP Journal of Science & Technology (HEC Recognized Y Category)**

The UCP Journal of Science & Technology (UCP-JST) is a peer-reviewed, bi-annual journal that promotes interdisciplinary research across the biological, physical, and life sciences. The journal provides a vital platform for both academia and industry to share innovative ideas and scientific findings aimed at addressing real-world challenges. In 2025, the journal continued to publish high-quality research in specialized areas, including Zoology, Physics, Microbiology, Food Sciences, and Biotechnology.

As an HEC Recognized Y Category publication, the journal maintains rigorous standards of excellence to ensure its contributions remain impactful at both national and international levels.



**2025 Publication Details**

- ❖ **Vol. 2 Issue 2:** Published on 28-07-2025.
- ❖ **Vol. 3 Issue 1:** Published in 23-12-2025.
- ❖ **ISSN:** 2959-1376 (Print) and 2959-1384 (Online).

**5.14.6 UCP Journal of Engineering & Information Technology (HEC Recognized Y Category)**

The UCP Journal of Engineering and Information Technology (UCP-JEIT) is a multidisciplinary, peer-reviewed, and open-access journal. It is a joint publication of the Faculty of Engineering and the Faculty of Information Technology & Computer Sciences at the University of Central Punjab (UCP). The journal is dedicated to advancing knowledge by publishing high-quality research in all major branches of Engineering, Information Technology, and Computer Sciences.

In 2025, the journal continued to serve as a vital platform for researchers to share innovative solutions to technical and computational challenges, maintaining its standing as an HEC Recognized Y Category publication.



**2025 Publication Details**

- ❖ **Vol. 2 Issue 2:** Published on 13-02-2025.
- ❖ **Vol. 3 Issue 1:** Published in 23-07-2025.
- ❖ **ISSN:** 2959-135X (Print) and 2959-1368 (Online).

**5.14.7 UCP Journal of Business Perspectives**

In a rapidly changing globalized world, characterized by evolving economic frontiers and complex organizational models, a holistic understanding of driving forces is essential for shaping future theories and practices. The UCP Journal of Business Perspectives (UCP-JBP) provides a panoramic view of various business domains, offering insights into both local and global landscapes. Each research article offers a substantive conceptual, theoretical, or applied perspective that advances management knowledge across a wide range of organizational factors.

In 2025, the journal continued to open new avenues for academic scholars and policymakers through multifaceted ideas covering economics, workplace behavior, education, and banking. Readers and researchers are encouraged to build upon these themes to create inclusive research ideas for the future.

**2025 Publication Details**

- ❖ **Vol. 2 Issue 2:** Published on 12-02-2025.
- ❖ **Vol. 3 Issue 1:** Published in 05-09-2025.
- ❖ **ISSN:** 2959-1333 (Print) and 2959-1341 (Online).

**5.14.8 Key Highlights of the Journal Program**

- ❖ **HEC Recognition Status:** Currently, six research journals at UCP have successfully secured HEC recognition in the **Y Category**, ensuring high academic standing for our contributors.
- ❖ **Ongoing Development:** The UCP Journal of Business Perspectives (UCP-JBP) is currently following the standard roadmap toward HEC recognition and continues to publish high-quality business research in the interim.
- ❖ **Global Visibility:** Each journal maintains dual ISSN registrations for print and digital formats, facilitating wider reach and indexing in international databases.
- ❖ **Editorial Consistency:** All journals met their publication targets for 2025, ensuring a steady stream of peer-reviewed content for the academic community.



**5.14.9 UCP Research Journals: Latest Publication Details (2025)**

| Sr No. | Journal Name & Credentials  | Publications in 2025 (Vol / Issue) | Publication Date (Span) |
|--------|---|------------------------------------|-------------------------|
| 1      | UCP Journal of Law & Legal Education (UCP-JLLE)<br>HEC Recognized Y Category<br>ISSN: 2958-065X (P), 2959-8710 (O)        | Vol. 3 Issue 1                     | 14-04-2025              |
|        |   | Vol. 3 Issue 2                     | 20-10-2025              |
| 2      | UCP Journal of Humanities & Social Sciences (UCP-JHSS)<br>HEC Recognized Y Category<br>ISSN: 2958-6887 (P), 2958-6895 (O) | Vol. 3 Issue 2                     | 20-05-2025              |
|        |   | Vol. 4 Issue 1                     | 24-12-2025              |
| 3      | UCP Journal of Mass Communication (UCP-JMC)<br>HEC Recognized Y Category<br>ISSN: 2959-8524 (P), 2959-8532 (O)            | Vol. 3 Issue 1                     | 30-06-2025              |
|        |   | Vol. 3 Issue 2                     | 31-12-2025              |
| 4      | UCP Journal of Languages & Literature (UCP-JLL)<br>HEC Recognized Y Category<br>ISSN: 3005-6586 (P), 3005-6594 (O)        | Vol. 2 Issue 2                     | 01-03-2025              |
|        |   | Vol. 3 Issue 1                     | 24-04-2025              |
| 5      | UCP Journal of Sciences & Technology (UCP-JST)<br>HEC Recognized Y Category<br>ISSN: 3005-5563 (P), 3005-5571 (O)         | Vol. 2 Issue 2                     | 28-07-2025              |
|        |   | Vol. 3 Issue 1                     | 23-12-2025              |

|   |  |                |            |
|---|--|----------------|------------|
| 6 | <b>UCP Journal of Engineering &amp; Information Technology (UCP-JEIT)</b><br>HEC Recognized Y Category<br>ISSN: 3005-8007 (P), 3005-8015 (O) | Vol. 2 Issue 2 | 13-02-2025 |
|   |  | Vol. 3 Issue 1 | 23-07-2025 |
| 7 | <b>UCP Journal of Business Perspectives (UCP-JBP)</b><br>ISSN: 3005-8961 (P), 3005-897X (O)  | Vol. 2 Issue 2 | 12-02-2025 |
|   |  | Vol. 3 Issue 1 | 25-09-2025 |

### 5.15 HEC Funded UCP Research Journals

The Office of Research, Innovation, and Commercialization (ORIC) continues to support the university’s academic journals in their pursuit of excellence and international recognition. In 2025, several UCP research journals successfully secured financial support from the Higher Education Commission (HEC). This funding highlights the high quality of scholarly work produced and ensures the sustainability of these platforms for global knowledge sharing.

These grants are instrumental in maintaining rigorous peer-review standards and improving the digital infrastructure of our publications. By meeting the stringent criteria set by the HEC, our journals continue to serve as reputable venues for researchers to publish impactful studies across various disciplines.

#### 5.15.1 List of UCP Research Journals Funded by HEC

| Sr. No. | Journal Name  | Amount (PKR) |
|---------|---|--------------|
| 1       | UCP Journal of Humanities & Social Sciences           | 248,195/-    |
| 2       | UCP Journal of Engineering and Information Technology | 250,000/-    |
| 3       | UCP Journal of Languages & Literature                 | 250,000/-    |
| 4       | UCP Journal of Law & Legal Education                  | 250,000/-    |
| 5       | UCP Journal of Science and Technology (UCP-JST)       | 250,000/-    |

This financial recognition confirms the university status as a leader in scholarly publishing and research dissemination within the region.

### 5.16 Interdisciplinary Research Group Meetings by ORIC

These achievements across diverse disciplines ranging from Biotechnology and Chemistry to Management Sciences and Pharmacy, demonstrate the interdisciplinary strength of UCP’s research ecosystem. The Office of Research, Innovation, and Commercialization (ORIC) congratulates these faculty members for their dedication to research excellence.

The Office of Research, Innovation, and Commercialization (ORIC) organized several Interdisciplinary Research Group meetings to encourage collaboration across different academic areas. These sessions allow faculty and researchers from various departments to combine their expertise to address complex global challenges.

By promoting these synergies, the university ensures that research transcends traditional disciplinary boundaries. This approach leads to more comprehensive solutions in fields such as health, energy, and educational technology. The meetings held this year have already initiated new projects and fostered partnerships with international experts.

**5.16.1 List of Interdisciplinary Research Group Meetings organized**

| <b>Date</b>       | <b>Research Group Lead</b>                            | <b>Research Group Name</b>                      | <b>Faculty</b>   |
|-------------------|---|---|------------------|
| November 19, 2025 | Prof. Dr. Muhammad Naveed, Dr. Kanza Aziz Awan        | Applied Biosciences and Green Innovation (ABGI) | FOST, FOMS       |
| November 27, 2025 | Dr. Ali Ahmad   | Efficient Electrical Energy Systems (E3S)       | FOE, FOST        |
| December 18, 2025 | Dr. Stefan Poslad (Foreign Speaker) & Dr. Fesal Toosy | Multidisciplinary research in Education         | FOE, FHSS & FOLL |

These sessions demonstrate how the university integrates engineering, science, and the humanities. This ensures that the research produced is impactful and provides practical benefits to society.



**5.17 Best Researcher & Innovator Award (BRIA)**

The practical outcome of faculty members’ collective research and innovative work is essential for the university to achieve its mission in the context of becoming a research-intensive institute. In order to acknowledge the research and creative efforts of faculty members, University of Central Punjab (UCP) offers the Best Researcher and Innovator Award (BRIA), both at university and faculty levels, on account of extraordinary performance in his/her area of interest.

5.17.1 Awardees of Best Researcher & Innovator Award (BRIA)



**BEST RESEARCHER & INNOVATOR AWARD BRIA 2024-25**

**Prof. Dr. Muhammad Naveed**  
FOST – Faculty Level

This award celebrates the power of curiosity, collaboration, and persistence. I'm grateful to UCP for recognizing my work and championing innovation-driven research.




**BEST RESEARCHER & INNOVATOR AWARD BRIA 2024-25**

**Arooj Nazir**  
FHSS – Faculty Level

Receiving the Best Researcher Award is a deeply meaningful milestone in my academic journey. It reflects my commitment to producing research that translates into evidence-based solutions for real-world psychological concerns. This path has involved long hours of critical reading, continuous skill development through workshops, and resilience in the face of journal rejections. I am sincerely grateful to my department's leadership for trusting me with the opportunity and support to pursue this work.




**BEST RESEARCHER & INNOVATOR AWARD BRIA 2024-25**

**Dr. Rabia Tehseen**  
FOST & CS – Faculty Level

I am deeply honoured to receive the Best Researcher and Innovator Award (BRIA) 2024-2025. This recognition is both humbling and motivating, as it reflects the collective support of my institution, colleagues, and students who continually inspire meaningful inquiry and innovation. The award reinforces my commitment to advancing research that creates real-world impact and contributes to academic excellence. I am grateful for this encouragement and look forward to continuing my efforts in research, innovation, and mentorship.




**BEST RESEARCHER & INNOVATOR AWARD BRIA 2024-25**

**Dr. Huma Hameed**  
FOPS – Faculty Level

Receiving this award is a meaningful recognition of my ongoing efforts in advancing research within Pharmaceutical Sciences, particularly in drug delivery, nanotechnology, and translational product development. It reflects not only my individual work but also the collaborative environment and institutional support that enable innovation, industry engagement, and impactful scientific contributions. I am sincerely grateful for this honor, which further motivates me to pursue research that addresses real-world healthcare and therapeutic challenges.




**BEST RESEARCHER & INNOVATOR AWARD BRIA 2024-25**

**Dr. Sumera Zaib**  
FOST – University Level

Receiving the Best Researcher and Innovator Award is a deeply meaningful milestone in my academic journey. It reflects not only my individual efforts but also the collaborative research culture and institutional support at UCP. This recognition motivates me to further strengthen my commitment to impactful research, innovation, and industry engagement that contributes to knowledge creation and societal advancement.




**BEST RESEARCHER & INNOVATOR AWARD BRIA 2024-25**

**Dr. Sadaf Zahra**  
FMMC – Faculty Level

I am truly honored to receive the Best Researcher Award. This recognition reflects my commitment to meaningful research, and I am grateful to UCP for fostering a strong culture of academic excellence. This award motivates me to continue research that contributes to knowledge and creates real-world impact. I sincerely thank the leadership of FMMC and UCP for their continued support and encouragement.



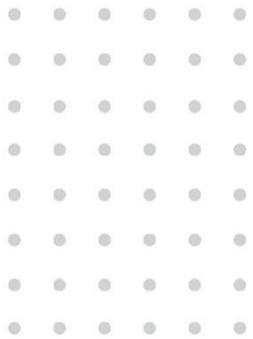

**BEST RESEARCHER & INNOVATOR AWARD BRIA 2024-25**

**Dr. Sami Ullah**  
FQMS – Faculty Level

I am deeply honored to receive the Best Researcher and Innovator Award. For me, research starts with curiosity but finds its purpose in application, whether it is securing grants to explore new solutions, supervising the next generation of thinkers, or working directly with industry on tangible challenges. The goal is always the same: to create knowledge that matters and has a practical impact. This award from UCP is a powerful encouragement to keep building those bridges between academia and the wider community. I am sincerely grateful for the recognition and for the university environment that makes this kind of work possible.



# PILLAR 2: COMMERCIALIZATION & INTELLECTUAL PROPERTY (IP)



## Pillar 2: Commercialization and IP

Intellectual Property Rights (IPs) Intellectual Property Rights (IPRs) encompass legal protections for the creations of the mind, including inventions, literary and artistic works, designs, symbols and names. Patents often aim to strike a balance between encouraging innovation and creativity while safeguarding the rights of creators and inventors.

### 6.1 Objective & Goals:

- **Encourage Innovation and Creativity**

Foster an environment where individuals and organizations are motivated to invest time, effort, and resources in developing new ideas, inventions, and creative works.

- **Economic Incentives**

Stimulate economic growth by incentivizing innovation and creativity, as individuals and businesses are more likely to invest in research and development when they know their intellectual property is protected.

- **Promote Fair Competition**

Establish a framework that encourages fair competition by preventing unauthorized use or copying of intellectual property, ensuring that businesses can compete based on the merits of their own innovations.

- **Technology Transfer**

Facilitate the transfer of technology and knowledge by providing a legal framework for licensing and sharing intellectual property, fostering collaboration and advancements in various industries

- **International Cooperation**

Facilitate cooperation among nations to establish and enforce intellectual property standards globally, ensuring consistency and protection for creators and inventors across borders.

Patents play a crucial role in promoting innovation by providing inventors with an incentive to invest time and resources in research and development. However, the patent system is subject to legal and ethical considerations, and it can sometimes be a source of controversy, particularly when it comes to issues like patent trolls and the balance between promoting innovation and protecting the public interest.

### 6.2 IP's by UCP Faculty Members

During the 2025 reporting period, the Office of Research Innovation and Commercialization (ORIC) at the University of Central Punjab (UCP) continued to make significant strides in protecting intellectual property. The university successfully filed a total of 93 patents and copyrights between 2020 and 2025. This includes 11 new filings recorded during the 2025 calendar year alone. Currently, 4 patents have been officially granted,



while 53 applications are actively proceeding through the examination phase at the Intellectual Property Organization (IPO).

**6.2.1 IP Filings by Faculty (2020 to 2025)**

The commitment to innovation is evident across various academic departments. The Faculty of Science and Technology (FOST) leads the university with 39 total filings. The Faculty of Pharmacy and Pharmaceutical Sciences (FOPS) follows with 20 filings, while the Faculty of Engineering (FOE) has contributed 16. The Faculty of Information Technology and Computer Science (FOIT and CS) has recorded 12 filings, and the Faculty of Media and Mass Communication (FMCC) has 03. The contribution from Faculty of Law includes 01, the Faculty of Languages and Literature includes 01, and 01 from the ORIC.

**6.2.2 New Intellectual Property Filings in 2025**

The following table highlights the 11 new research and creative works filed during 2025.

| SN | Title of Intellectual Property                               | Inventor Name        | Faculty | Category  |
|----|--|----------------------|---------|-----------|
| 1  | Pharmaceutical emulgel for acne and skin rejuvenation        | Dr. Huma Hameed      | FOPS    | Patent    |
| 2  | May Be   | Mr. Uzair Ahmad      | FMCC    | Copyright |
| 3  | Biological assessment of PCB degradation using nanoparticles | Dr. Muhammad Naveed  | FOST    | Patent    |
| 4  | Sustainable hydrogen fuel from waste plastic                 | Dr. Muhammad Pervaiz | FOST    | Patent    |
| 5  | Production of hydrogen and fuel comparison                   | Dr. Muhammad Pervaiz | FOST    | Patent    |
| 6  | Synthesis of Novel Roxadustat Zinc Salt                      | Muhammad Asad Saeed  | FOPS    | Patent    |
| 7  | Electrospun dressing for infected burn wounds                | Munaza Ijaz          | FOST    | Patent    |
| 8  | Herbal Lozenges for Dysmenorrhea                             | Dr. Huma Hameed      | FOPS    | Patent    |
| 9  | Taqdeer ka Sayara  | Ms. Yakhshi Saleem   | FMCC    | Copyright |
| 10 | Small molecule inhibitors for diabetic complications         | Dr. Sumera Zaib      | FOST    | Patent    |
| 11 | Golden Harvest Crunch (Turmeric Infused Granola)             | Dr. Ayesha Murtaza   | FOST    | Patent    |

**6.2.3 Intellectual Property Rights (IPRs) Granted**

The university maintains its record of 4 successfully granted intellectual properties, which include both patents and copyrights.

- 1. Family Court Training Software** (Dr. Hadia Awan, Faculty of Law, Copyright).
- 2. Holistic Campus Security** (Dr. Saeed Iqbal Khattak, Faculty of IT and Computer Science, Copyright).
- 3. Adaptive Hyper Learning** (Muhammad Mustafa Hassan, Faculty of Management Sciences, Copyright).

4. **A Self Stabilizing Orthotic Knee Joint** (Dr. Zohaib Aftab, Faculty of Engineering, Patent).

#### 6.2.4 Intellectual Property in Process

There are currently 53 patent applications under active examination. Out of which 11 were IP’s examination reports received in 2025. During 2025, the university has submitted formal responses to the IPO for 15 different examination reports, moving these projects closer to final approval. These include innovations such as the Multi-epitope Malignant Mesothelioma Vaccine, the Cloud Seeding Kit for Drones, and various advanced pharmaceutical formulations.

#### 6.2.5 Research Commercialization/Technology Transfer

The Office of Research Innovation and Commercialization (ORIC) serves as the primary engine for managing intellectual assets and transforming faculty-led research into technologies that provide tangible benefits to society. By fostering robust links between academia and the business sector, UCP creates a dynamic environment for innovation and experiential learning models. ORIC is specifically responsible for identifying relevant concepts, collaborating with industrial partners, overseeing technology development, and managing the final commercialization process.

#### 6.2.6 Technology Transfer and Industrial Impact (2025)

In 2025, UCP achieved significant milestones in translating academic expertise into industrial solutions through formal technology transfer agreements. These partnerships demonstrate the practical application of university research in solving complex engineering and structural challenges within the corporate sector.

The following key agreements were successfully signed during this reporting period:

- **Packages Limited:** UCP provided specialized technical solutions regarding Silo Design and Cracking Issues, addressing critical operational infrastructure for one of Pakistan’s leading packaging industries.
- **IZHAR Group Pvt LTD:** This collaboration focused on the Inspection of Buildings for Future Durability and Risk Assessment, utilizing advanced academic methodologies to ensure structural safety and longevity.

These high-impact projects were led by Prof. Dr. Kafeel Ahmad from the Faculty of Engineering (FOE), whose work exemplifies the university's commitment to providing high-level consultancy and technical expertise to major industrial groups.

### 6.3 Commercialization and Prototype Development by UCP Faculty Members

#### 6.3.1 Overview of Commercialization at UCP

The Office of Research Innovation and Commercialization (ORIC) serves as a bridge between university research and the practical needs of society. Its primary role is to manage the intellectual assets created by faculty and students, turning innovative ideas into technologies that solve real-world problems. By building strong partnerships between academics and the business sector, ORIC ensures that research reaches the marketplace. This process involves identifying promising research concepts, working with



industrial partners, and developing new technologies. Through these efforts, ORIC creates a dynamic environment for innovation, helping to transform academic output into tangible economic and social benefits.

**6.3.2 Prototype Development (2025)**

The Office of Research, Innovation, and Commercialization (ORIC) focuses on transforming academic research into functional prototypes that solve industrial and social problems. In 2025, UCP achieved significant progress through the FYP- student-led research & innovation, aimed at commercialization through the Prototype to Market (P to M) model. These efforts showcase the university’s ability to integrate engineering, pharmaceutical sciences, and food technology into market-ready products.

By collaborating with industrial partners such as Masood Homeopathic Pharmaceuticals and ADCOK Pharmaceuticals, ORIC ensures that lab-scale innovations are tested against real-world industry challenges. This ecosystem not only supports technical development but also emphasizes intellectual property protection and pilot-scale production plans to ensure a successful market launch.

**6.3.3 Summary Table of Awarded Prototypes and Innovation Projects**

The table below summarizes the comprehensive portfolio of prototypes developed or transitioned toward the market during the 2025 cycle:

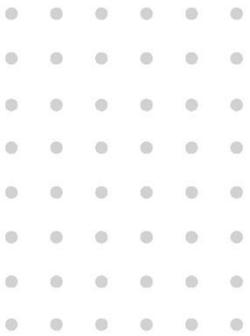
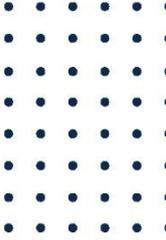
| Sr. | Project Name / Innovation                               | Primary Lead / Supervisor    | Focus Area             |
|-----|---|------------------------------|------------------------|
| 1   | Solar Powered System for Extracting Proteins and Biogas | Dr. Ali Ahmad                | Renewable Energy       |
| 2   | Nutro-Glow: Innovative Anti-Aging Mask                  | Ms Tooba Mahboob             | Cosmeceuticals         |
| 3   | Smart Green Filter Using Arduino System                 | Dr. M. Awais Shahque         | Environment            |
| 4   | Herbal Antibiotics against MRSA                         | Miss Tooba Mahboob           | Biotechnology          |
| 5   | Hybrid Solar Powered Washing Machine                    | Miss Tooba Mahboob           | Sustainable Appliances |
| 6   | Hypericin Loaded Ethosomes for Nasal Delivery           | Dr. Muhammad Zaman           | Pharmaceutics          |
| 7   | Cannabis-Based Emulgel for Pain Relief                  | Dr. Muhammad Zaman           | Drug Delivery          |
| 8   | Pharma-grade Xanthan Gum Preparation                    | Department of Pharmaceutics  | Local Production       |
| 9   | Fox Nut Effervescent Granules                           | Dr. Muhammad Zaman           | Nutraceuticals         |
| 10  | Therapeutic Tea (PCOS Support)                          | Innoverra at UCP             | Functional Food        |
| 11  | Bonbite (Calcium-Enriched Cookies)                      | Innoverra at UCP             | Nutrition              |
| 12  | Golden Harvest Turmeric Granola                         | COFIC-UCP                    | Wellness               |
| 13  | Nanachips (Masala Banana Chips)                         | Innoverra / COFIC            | Healthy Snacks         |
| 14  | Zauq-e-Aam (Handcrafted Mango Chutney)                  | Innoverra at UCP             | Food Heritage          |
| 15  | Lemon Sunshine (Barley Drink)                           | Innoverra at UCP             | Health Beverage        |
| 16  | Cardamom Cordial Concentrate                            | COFIC - UCP                  | Refreshments           |
| 17  | Almond Cordial (Real Nut Goodness)                      | University of Central Punjab | Nutritious Drinks      |

|    |                                      |                       |                     |
|----|--------------------------------------|-----------------------|---------------------|
| 18 | Tatochips (Sweet Potato Chips)       | COFIC - UCP           | Low-Calorie Snacks  |
| 19 | Falsa Splash (Artisan Concentrate)   | Innoverra / COFIC     | Antioxidant Drinks  |
| 20 | Plantique Plant-Based Protein Powder | COFIC - UCP           | Fitness / Nutrition |
| 21 | Apple Jam (Real Fruit Goodness)      | COFIC - UCP           | Natural Preserves   |
| 22 | Organic Neem Haldi Face Wash         | Glowé for Women       | Organic Skincare    |
| 23 | Vitamin C Serum and Cream            | Glowé for Women       | Advanced Skincare   |
| 24 | Kaaghaz & Co. Recycled Stationery    | Sustainable Practices | Eco-Innovation      |
| 25 | Artful Duo Customized Gift Baskets   | Digital Integration   | Creative Arts       |
| 26 | CNC Engraving Router                 | Engineering Prototype | Industrial Design   |
| 27 | CO2 Electrolyzer System              | Engineering Prototype | Chemical Research   |
| 28 | Table-top Air Purifier               | Engineering Prototype | Environmental Tech  |
| 29 | Smart and Logistics AGV              | Engineering Prototype | Automation          |

Turning theoretical research into a working model, or "prototype," is a key focus at UCP. During the year of 2025, faculty and students successfully developed 29 total prototypes.



# PILLAR 3: **INDUSTRY- ACADEMIA LINKAGES (IAL)**



## Pillar 3: Industry Academia Linkages (IAL)

Industry and academia links are partnerships between universities and businesses. These relationships are important because they help turn classroom theories into practical solutions that work in the real world.

At the University of Central Punjab (UCP), we value these partnerships because they improve the quality of education and help the economy grow. By working with businesses, UCP makes sure that what students learn stays useful and matches what employers need today.

This chapter looks at the different ways UCP builds these connections. These include industrial visits, meetings, and programs like the Faculty Industry Placement Program (FIPP). These efforts give both teachers and students hands-on experience and help solve modern challenges.

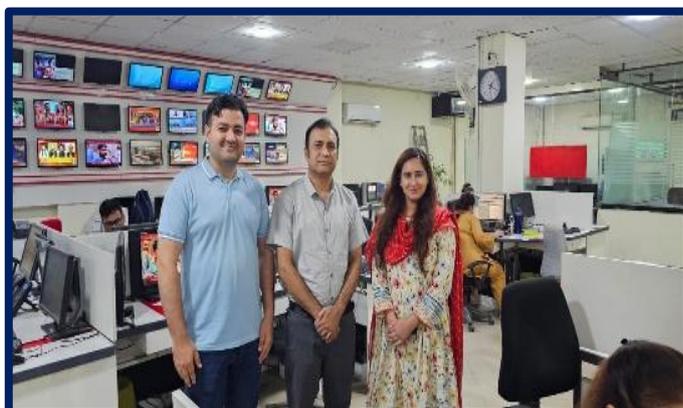
### 7.1 Faculty Industry Placement Program (FIPP)

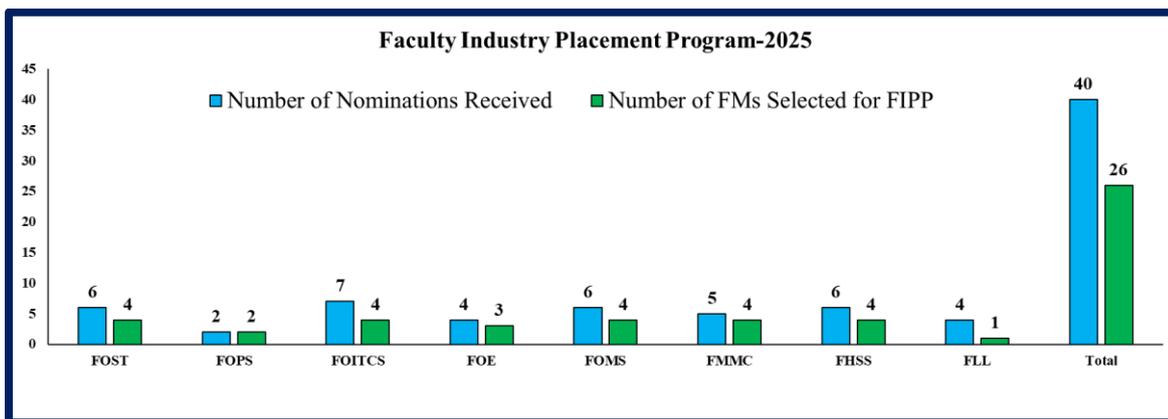
In 2025, the University of Central Punjab continued its commitment to connecting teachers with the business world through the Faculty Industry Placement Program (FIPP). These industrial projects are important because they allow businesses to improve production and efficiency through expert help. The program helps faculty members gain real world experience by applying their knowledge to actual industry challenges.

#### 7.1.1 Faculty Industry Placement Program (FIPP) 2025

During the months of August and September 2025, a total of 26 faculty members were placed in various leading industries across Pakistan. These placements typically lasted for two weeks, allowing teachers to bring fresh insights back to their students and research.

Our faculty members worked with several well-known organizations in various sectors. These included pharmaceutical companies like Dr. Masood Homeopathic Pharmaceuticals, testing facilities such as Tti Testing Laboratories, and food companies like Six B Food Industries. Other teachers were placed in technology firms including PureLogics and DexterSol, as well as media organizations like Express News. Through these initiatives, the university continues to bridge the gap between classroom theory and practical industry applications.





| Sr. No. | Faculty Name | Faculty Members Names and Designations      | Area of Specialization  | FIPP Duration            |
|---------|--------------|---|---|--------------------------|
| 1       | FOPS         | Miss Rabia Saleem, Assistant Professor      | Pharmacognosy, Phytochemistry                                     | 19-08-2025 to 01-09-2025 |
| 2       |              | Dr. Ayesha Asif, Assistant Professor        | Pharmacognosy (Natural Product Chemistry)                         | 18-08-2025 to 31-08-2025 |
| 3       | FOST         | Mr. Usman Idrees, Associate Lecturer        | Strength of materials, Quality Assurance, Manufacturing processes | 18-08-2025 to 05-09-2025 |
| 4       |              | Dr. Kanza Aziz Awan, Associate Professor    | Food and Nutrition  | 19-08-2025 to 29-08-2025 |
| 5       |              | Ms. Sadia Zia, Principal Lecturer           | Biotechnology, Public Health, Biosafety, Biosecurity              | 02-09-2025 to 29-09-2025 |
| 6       |              | Dr. M. Aslam Javed, Assistant Professor     | Data Scientist, and Business Analytics.                           | 04-08-2025 to 25-09-2025 |
| 7       | FOIT & CS    | Mr. Zeeshan Akram, Lecturer                 | Information Technology  | 04-08-2025 to 12-09-2025 |
| 8       |              | Syed Irtaza Muzafar Shah, Senior Lecturer   | AI & Machine Learning   | 04-08-2025 to 30-09-2025 |
| 9       |              | Mr. Umar Hameed, Senior Lecturer            | Mobile Application Development                                    | 05-08-2025 to 01-09-2025 |
| 10      |              | Mr Zain Asghar, Senior Lecturer             | Web development   | 18-08-2025 to 12-09-2025 |
| 11      | FHSS         | Dr. Naveed ul Hassan, Assistant Professor   | Foreign Policy, Middle East Politics, IR                          | 11-08-2025 to 24-09-2025 |
| 12      |              | Mr. Hamid Bilal, Principal Lecturer         | Psychometric Assessment   | 18-08-2025 to 19-09-2025 |
| 13      |              | Ms. Ayesha Khalil, Principal Lecturer       | Human resources   | 11-08-2025 to 19-09-2025 |
| 14      |              | Dr. Arsalan Tariq Rana, Associate Professor | Institutional Economics   | 11-08-2025 to 18-09-2025 |
| 15      | FOE          | Dr. Ali Ahmed, Assistant Professor          | Electrical Power  | 05-08-2025 to 26-09-2025 |
| 16      |              | Engr Muhammad Awais, Senior Lecturer        | Structural Engineering  | 25-08-2025 to 12-09-2025 |

|    |      |   |  |                          |
|----|------|---|--|--------------------------|
| 17 |      | Engr Waqar Maqsood, Associate Lecturer  | Materials and Project Management                     | 05-08-2025 to 25-08-2025 |
| 18 | FOMS | Nahan Iqbal, Principal Lecturer         | Human Resource Management                            | 18-08-2025 to 29-08-2025 |
| 19 |      | Dr. Shahid nadeem, Professor            | International Bussiness and Marketing                | 08-09-2025 to 24-09-2025 |
| 20 |      | Shafaq Aftab, Lecturer                  | Human Resource Management                            | 18-08-2025 to 29-08-2025 |
| 21 |      | Irfan Azhar, Assistant Professor        | Industrial Engineering & Operations Management       | 01-09-2025 to 30-09-2025 |
| 22 | FMMC | Ms. Yakhshi Saleem, Principal Lecturer  | Media Studies  | 18-08-2025 to 22-08-2025 |
| 23 |      | Ms. Mariyam Idrees Lecturer             | Media Studies  | 19-08-2025 to 25-08-2025 |
| 24 |      | Mr. Hamza Ayub, Lecturer                | Media Studies  | 18-08-2025 to 22-08-2025 |
| 25 |      | Ms. Sara Shah, Lecturer                 | animated communication and development communication | 18-08-2025 to 22-08-2025 |
| 26 | FLL  | Mr Naveed Ahmed Khan Principal Lecturer | English language                                     | 07-08-2025 to 20-08-2025 |

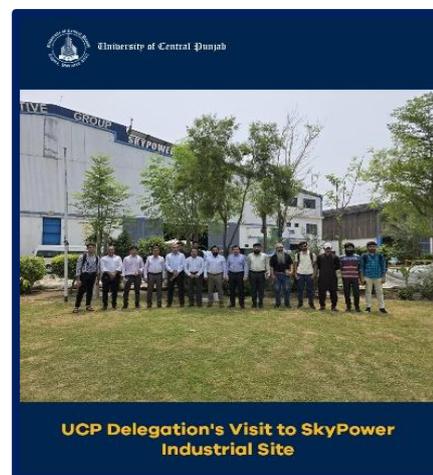
## 7.2 Industry Academia Linkages (IAL) Meetings/Industrial Visits through ORIC

The University of Central Punjab (UCP) maintains a strong commitment to building bridges between academic research and industrial practice through the Office of Research Innovation and Commercialization (ORIC). Industry-Academia Linkages (IAL) are collaborative partnerships that drive innovation and help bridge the gap between theoretical knowledge and real-world applications. These meetings and visits are essential for ensuring that university programs remain relevant to the evolving needs of various economic sectors.

During the 2025 reporting year, ORIC successfully organized and participated in several high-level meetings and visits to foster these connections.

### 7.2.1 Key IAL Meetings and Collaborations in 2025

The following table details the strategic meetings and industrial visits conducted to strengthen UCP’s corporate and research network:



**7.2.2 Faculty Members (FMs) Meeting with Industry at UCP**

| Sr. No. | Name of Industry  | Date of Visit   |
|---------|---|-----------------|
| 1.      | FAST Cables   | 10/4/2025       |
| 2.      | Mr. Ahmad Azhar and Mr. Ashfaq Ahmed from Siemens   | 13th June, 2025 |
|         | Mr. Qazi Ammar Arshad from ML Bench   |                 |
| 3.      | Mr. Moaz Ali, Head of HRD at Vital Petroleum  | 19-Jun-25       |
|         | Mr. Muhammad Waqas, Founder & CEO of Dafi Labs  |                 |
| 4.      | Mr. Hameed K. Lateef (CEO, TTI Testing Laboratories)  | 2-Jul-25        |
|         | Mr. Rizwan Ahmad (COO, Unity Foods)   |                 |
|         | Mr. Faizan Ahmed (Chemical Engineer, Sky Power Limited)                                       |                 |
| 5.      | Mr. Sarim Mehmood, CEO of Fruits of Sustainability  | 14-Jul-25       |
|         | Ms. Uzma Omer, Special Advisor, PILL  |                 |
| 6.      | Mr. Arfat Ashraf), Together (CEO & Ahsan Shahzad, Founder, Ahsan Legal Services               | 21-Jul-25       |
| 7.      | ORIC–Industry Meeting with Creative Group of Companies  | 26-Aug-25       |
| 8.      | UCP–Agrimore Pvt. Ltd. Collaborative Research Meeting   | 9-Sep-25        |
| 9.      | ORIC Meeting with Enrichers Investment Group for PSF-Approved Nano-Clay Project Collaboration | 27-Nov-25       |

**7.2.3 Faculty Members (FMs) visits to Industries**

| Sr. No. | Name of Industry  | Date of visit |
|---------|---|---------------|
| 1.      | Rana Rice Mills   | 15-May-25     |
| 2.      | FOE Field Visit to to Skypower Pvt. Ltd   | 23-Jun-25     |
| 3.      | ORIC–Sky Power Ltd. Biogas Research Visit                                       | 8-Jul-25      |
| 4.      | ORIC–Agrimore Pvt Ltd. Research Collaboration Visit (Kasur)                     | 21-Jul-25     |
| 5.      | UCP Delegation's Visit to Pakistan International Printers                       | 23-Jul-25     |
| 6.      | UCP Business School's Senior Faculty Members' Visit to Treet Corporation Lahore | 17-Dec-25     |

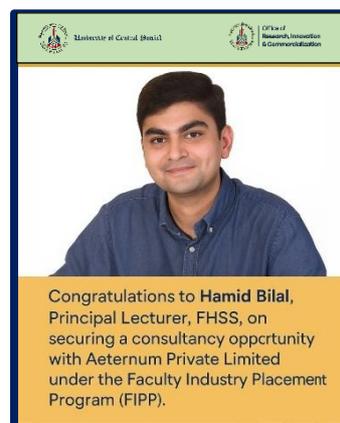
**7.3 Consultancy Contracts Executed through ORIC with Industry, Commerce or Government**

The University of Central Punjab (UCP) continues to offer expert knowledge and technical skills to industry, commerce, and government sectors through consultancy services. These contracts allow our faculty to provide practical solutions to complex problems while helping the university build strong professional networks.

In 2025, UCP faculty members from various departments worked on several high-impact consultancy projects.

**7.3.1 Detailed List of Consultancy Contracts in 2025**

The following table provides details on the consultancy projects completed or started during this reporting period:



| Name of PI with Designation, Department | Faculty  | Company Details (Name, Country, etc.)                         | Contract Value (PKR Millions) | Project Timelines (Start and End)                          |
|---|----------|---|-------------------------------|--|
| Dr. Kanwal Zahra                        | FOMS     | Karachi Water and Sewerage Services Improvement (KWSSIP) Unit | In Kind                       | March 2024-October, 2024                                   |
| Dr. Muhammad Zaman                      | FOPS     | Masood homeopathic pharmaceutical Pvt. limited                | 50,000 per Month              | April, 2025 to June, 2025                                  |
| Dr. Muhammad Naveed                     | FOST     | Lahore Medical Research Center                                | In Kind                       | April, 2025 to April, 2027                                 |
| Dr. Muhammad Naveed                     | FOST     | HiTech BioTech SMC, private limited                           | In Kind                       | April, 2025 to April, 2026                                 |
| Mr. Hamid Bilal                         | FHSS     | Auternum Pvt. Ltd   | 1 Million                     | (06-10, 2025 to 17-01 2026)<br>(17-02-2026 to 12 06 2026). |
| Mr. Asad Kamal                          | FOIT& CS | Genesis Technologies  | 20k Per Month                 | 6 months   |
| Mr Bilal Shahid                         | FOIT& CS | Genesis Technologies  | 20k Per Month                 | 6 months   |

## 7.4 MOU's

### 7.4.1 Introduction

A Memorandum of Understanding (MoU) is a formal agreement between two or more groups. It lists the terms and details of how they plan to work together on a specific project or relationship. While an MoU is not a legally binding contract, it shows a strong promise to cooperate and creates a clear plan for working together. These agreements are important for starting partnerships, setting clear goals.

The University of Central Punjab (UCP) has signed many MoUs with national and international organizations to improve research and learning. These partnerships help the university grow, support our students, and help society as a whole.

### 7.4.2 Purpose

The goal of these MoUs is to build a partnership based on fairness and mutual support. We want to create lasting relationships and a shared understanding between UCP and its partners. These agreements help us achieve several key goals.

- **Academic Cooperation:** This includes creating shared study programs and allowing teachers to visit other schools to improve education.
- **Research Partnerships:** We work together on research projects that solve common problems by using the skills of both partners.
- **Student Exchange Programs:** These help students gain new experiences through internships and study opportunities in different places.

- **Events and Seminars:** We organize meetings and workshops to share new ideas and research findings.
- **Quality Standards:** We work together to make sure our academic programs meet high standards.
- **Innovation:** We encourage the sharing of new technologies to help the economy and society.



**7.4.3 MoU Detailed List for Year 2025**

The following table provides a list of MoUs signed by UCP in 2025. It shows the date the agreement was signed, the name of the partner organization, and the faculty involved in the collaboration.

| Sr. # | Signing Date | MoU Title  | Faculty |
|-------|--------------|--|---------|
| 1     | 9-Jan-25     | MOU between UCP and Pakistan Dairy Association (PDA), Lahore, Pakistan | FOST    |
| 2     | 13-Jan-25    | MOU between UCP and Mensa Pakistan                                     | FOST    |
| 3     | 28-Jan-25    | MOU between UCP and University of Lahore                               | FOHSS   |
| 4     | 13-Feb-25    | MOU between UCP and Community Development Foundation (CDF) Pakistan    | VIS     |
| 5     | 13-Feb-25    | MOU between UCP and Hemophilia Patients Welfare Society (HPWS) Lahore  | VIS     |
| 6     | 13-Feb-25    | MOU between UCP and Renal Care Foundation (RCF)                        | VIS     |
| 7     | 13-Feb-25    | MOU between UCP and Rights of Special Persons (ROSP)                   | VIS     |

|    |           |   |                      |
|----|-----------|---|----------------------|
| 8  | 19-Feb-25 | MOU between UCP and Faculty of Mathematics and Natural Sciences, Universitas Bengkulu, Kota Bengkulu, Indonesia   | FOST                 |
| 9  | 20-Feb-25 | MOU between UCP and Hormone Lab Lahore  | FOST                 |
| 10 | 27-Feb-25 | MOU between UCP and Lahore Township Industrial Association  | CSO                  |
| 11 | 28-Feb-25 | MOU between Faculty of Languages and Literature-FLL (UCP) and Punjab Institute of Language, Art & Culture (PILAC) | FLL                  |
| 12 | 13-Mar-25 | MOU between UCP and Institute of Strategic Studies Islamabad (ISSI)   | FOHSS                |
| 13 | 13-Mar-25 | MOU Between UCP and Empower Net Global  | ORIC                 |
| 14 | 10-Apr-25 | MoU between UCP and FAST Cables   | ORIC                 |
| 15 | 3-May-25  | MOU between UCP and TCN Executive Forum   | FOMS                 |
| 16 | 16-May-25 | MoU between UCP and Haier   | DSA                  |
| 17 | 25-Mar-25 | MOU between UCP and Aesthetics Lab Lahore   | FOST                 |
| 18 | 30-May-25 | MOU between UCP and Dysol Global Pvt Ltd Lahore   | Takhleeq             |
| 19 | May-25    | MOU Between UCP and NESPAK  | FOE                  |
| 20 | 2-Jun-25  | MOU between UCP and Pakistan Agile Education, Lahore  | Takhleeq             |
| 21 | 4-Jun-25  | MOU between UCP and Shalamar Hospital   | HR                   |
| 22 | 5-Jun-25  | MOU between UCP and Chai Khas   | Alumni Relations     |
| 23 | 5-Jun-25  | MOU between UCP and Siddique Law Associates   | Alumni Relations     |
| 24 | 17-Jun-25 | MOU between UCP and Pakistan Games Collective   | Takhleeq             |
| 25 | 19-Jun-25 | MoU Between UCP and Creative Group of Companies   | ORIC                 |
| 26 | 24-Jun-25 | MOU between UCP and Climate Finance Pakistan (CFP)  | FOST                 |
| 27 | Jul-25    | MOU between UCP and Embassy of the Republic of the Sudan Islamabad  | International Office |
| 28 | 07-Jul-25 | MOU between UCP and Saleem Memorial Hospital  | HR                   |
| 29 | 13-Jul-25 | MOU between UCP and Pakistan International Printers Pvt Ltd (PIP)   | FOMS                 |
| 30 | 31-Jul-25 | MOU between UCP and The Upper Room, Lahore, Pakistan  | Takhleeq             |
| 31 | 19-Aug-25 | MOU between UCP and Pakistan Institute of Legislative Development and Transparency (PILDAT)                       | CSO                  |
| 32 | 27-Aug-25 | MOU between UCP and AGR Consultants   | CSO                  |
| 33 | 17-Sep-25 | MOU between UCP and Sigma Distributors (Pvt) Ltd  | FOMS                 |
| 34 | 14-Oct-25 | MOU between UCP and Asia International University, Uzbekistan   | FOMS                 |
| 35 | 28-Oct-25 | MOU between UCP and NKAS (Pvt.) Ltd.  | FOPS                 |
| 36 | 17-Nov-25 | MOU between UCP and Evercare Hospital Lahore  | HR                   |
| 37 | 25-Nov-25 | MOU between UCP and NGS Education   | CSO                  |

## 7.5 Products Development Funds – Empowering the Faculty -Industry Partnerships (New Initiative)

In 2025, the Office of Research, Innovation, and Commercialization (ORIC) reached a significant milestone by launching the Products Development Funds – Empowering the Faculty -Industry Partnerships initiative. This program is designed to create a direct link between the university's technical expertise and the practical needs of the industrial sector. By fostering collaborative research, UCP is positioning itself as a primary solution provider for industrial challenges in Pakistan.

### 7.5.1 Program Overview and Objectives

The core mission of this initiative is to encourage faculty and students to step beyond theoretical research and engage in project-based learning that has immediate commercial value. The program focuses on three main objectives:

- **Problem Solving:** Addressing specific industry challenges through scientific methodology.
- **Product Development:** Moving from conceptual research to tangible prototypes and products.
- **Commercialization:** Establishing a pipeline where university research can be licensed or scaled into the market.

### 7.5.2 ORIC Seed Funding and Support

To lower the barrier for innovation, ORIC has introduced a structured Seed Funding mechanism. Under this program, researchers can apply for financial support to cover the initial costs of project development.

- ❖ **Funding Model:** ORIC provides a maximum of **50,000 PKR** as seed funding per project.
- ❖ **Industry Contribution:** The program requires a matching or supplementary contribution from the industrial partner, ensuring that both parties are invested in the project's success.
- ❖ **Technical Guidance:** ORIC provides administrative support to manage the intellectual property (IP) and legal frameworks of these partnerships.

### 7.5.3 The Joint R&D Framework

The application process is governed by a comprehensive Proposal Form that ensures projects are viable and impact-oriented. Each project is supervised by a UCP faculty member and a dedicated industry contact person. The key components of the framework include:

1. **Industry Challenge Identification:** Projects must begin with a clearly defined problem statement provided by the industry partner.
2. **Methodology and Work Plan:** A rigorous academic approach is applied to find the most efficient solution.
3. **Outcome Tracking:** Projects are evaluated based on their expected outcomes, commercialization potential, and overall societal impact.

7.5.1 Call to Apply for Products Development Funds



Office of  
Research, Innovation  
& Commercialization

## Product Development Funds: Empowering Faculty–Industry Partnerships

(Turning Research into Real-World Impact)

The Office of Research, Innovation & Commercialization (ORIC) at University of Central Punjab invites faculty and industry partners to collaborate on Joint Research & Development (R&D) Projects aimed at solving industrial challenges and creating products with commercialization potential.

### Why It Matters

- Bridge the gap between industry needs & academic expertise.
- Secure seed funding from ORIC to support product development & commercialization.
- Work on projects with direct societal and economic impact.

### Eligibility

- Open to faculty members having an active collaboration with industry.
- Industry must also provide financial contribution to the project.
- Projects should have clear commercialization or applied research outcomes.

### Successful Examples

- Installation of Effluent Treatment Plant (ETP) for wastewater management.
- Removal of Aflatoxins from rice to enable international export.

### How to Apply

1. Prepare a joint proposal with your industry partner.
2. Submit the proposal through the ORIC office using the prescribed proforma.

### Why Apply?

- Access seed funding to accelerate your research.
- Strengthen industry linkages & collaborative networks.
- Contribute to innovation, commercialization, and national development.

#### For More Information & Submission:

Office of Research, Innovation & Commercialization (ORIC), Takhleeq Building  
University of Central Punjab, Lahore

Email: oric@ucp.edu.pk | Contact: 042-35880007 Ext: 379

**7.5.2 Impact and Future Outlook**

By institutionalizing this joint R&D model, UCP is not only enhancing the employability of its students through real-world experience but also strengthening the national economy through indigenous innovation. This initiative serves as the bedrock for the university’s long-term goal of becoming a hub for industrial consultancy and high-tech product development.



# PILLAR 4: ENTREPRENEURSHIP & STARTUPS



## Pillar 4: Entrepreneurship and Startups

The University of Central Punjab (UCP) remains committed to fostering a vibrant entrepreneurial ecosystem through its dedicated support for student-led and faculty-driven startups. This pillar focuses on transforming innovative ideas into scalable businesses that contribute to economic growth, job creation, and societal well-being. During the 2025 reporting period, several startups have made significant progress in sectors ranging from food technology and nutrition to artificial intelligence and mental health which has generated a revenue of **PKR 30 Million** as per communicated by respected director Takhleeq.



### 8.1 Startup Portfolio and Achievements

The following startups of cohort 10 represent the diverse range of entrepreneurial ventures currently supported by UCP:

| Sr. | Startup Name             | Industry Sector           | Description & Impact  |
|-----|--------------------------|---------------------------|---|
| 1   | <b>MetaCognifix</b>      | Education & Mental Health | Focuses on metacognitive intelligence to enhance self-regulation and learning efficiency. |
| 2   | <b>ScaleNest</b>         | Business Services         | Provides marketing strategies for small businesses to drive growth and job creation.      |
| 3   | <b>Inspax</b>            | Construction              | Develops quality control and operational guidelines for safer infrastructure.             |
| 4   | <b>Bake Theory</b>       | Food & Beverage           | A revenue-generating biotechnology-led venture promoting local entrepreneurship.          |
| 5   | <b>NutraBox</b>          | Health & Nutrition        | Promotes healthier lifestyles through nutrition-focused products and strong sales.        |
| 6   | <b>Docwyn</b>            | AI & Technology           | Provides AI/ML automation to optimize business workflows and efficiency.                  |
| 7   | <b>Innoverra</b>         | Food Safety               | Focuses on online sales of high-quality, safe food products with regulatory compliance.   |
| 8   | <b>Foodenomics</b>       | Social Impact             | Creates innovative food products to improve availability and address community hunger.    |
| 9   | <b>Joious</b>            | Health & Beverage         | Produces probiotic fermented juices to meet the demand for nutritious drinks.             |
| 10  | <b>Makhiz</b>            | IT & Cybersecurity        | Award-winning venture specializing in AI, gaming, and secure web development.             |
| 11  | <b>Sawera Foundation</b> | Youth Wellbeing           | Organizes workshops focused on psychological awareness and mental relaxation for youth.   |

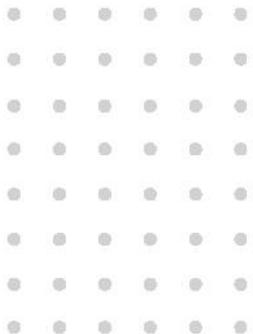
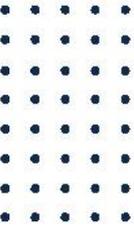
### 8.2 Impact and Future Outlook

These startups illustrate UCP's role as an incubator for future-ready infrastructure and social change. By providing technical expertise and a collaborative environment, ORIC ensures that these ventures move closer to market readiness. The success of revenue-generating models like Bake

Theory and NutraBox, alongside tech-heavy initiatives like Makhiz and Docwyn, highlights the university's balanced approach to supporting both traditional and high-tech entrepreneurship.



# PILLAR 5: INFRASTRUCTURE & CORE FACILITIES



## Pillar 5: Infrastructure & Core Facilities

The University of Central Punjab (UCP) is dedicated to developing a research environment that fosters high-level innovation and practical learning. This section details the expansion of physical and digital resources, the success of training programs, and strategic plans for the university's future infrastructure.

### 9.1 Strategic Direction and Centralized Research Facilities (2025–2029)

UCP has adopted an integrated institutional approach to research. The current strategic plan for 2025–2029 aims to significantly scale research efforts through centralized platforms.

#### 9.1.1 Digital Infrastructure and Institutional Support

In 2025, ORIC introduced several digital tools to enhance the visibility and accessibility of research:

- **ORIC Official Website:** A centralized platform created to showcase research achievements, faculty profiles, and ongoing projects (Link: <https://oric.ucp.edu.pk/>)
- **Faculty Commercialization Handbooks:** Detailed handbooks developed for FOST, FMMC, FOL, FOE, and FOPS to guide researchers through patenting and commercialization.



#### 9.1.2 Training Sessions and Workshops (2025)

In 2025, ORIC organized **25 specialized training programs**. These sessions enhanced the technical proficiency of **799 participants** in essential research skills and emerging technological tools:

#### 9.1.3 Short Courses and Capacity Building (New Initiative)

In 2025, the Office of Research, Innovation, and Commercialization (ORIC) transitioned toward more intensive, practical instruction by launching specialized short courses. These programs are designed to move beyond traditional seminars, providing faculty and students with the rigorous, hands-on training required to launch and scale successful business ventures.



### 1. Short Course on "Entrepreneurship: From Idea to Startup Launch"

Marking a significant institutional first, ORIC successfully conducted this comprehensive short course dedicated to end-to-end startup development. The curriculum was designed to equip participants with the technical and managerial competencies needed to transform innovative concepts into market-ready enterprises.



**Structure and Faculty:** The course featured 12 intensive sessions conducted over 8 days, led by 8 distinguished resource persons from UCP and partner institutions.

**Comprehensive Curriculum:** Participants received training across a broad spectrum of domains, including:

- ❖ **Strategic Planning:** Entrepreneurial thinking and business model development.
- ❖ **Operations & Compliance:** Intellectual property, product development, and pilot-scale production.
- ❖ **Market Readiness:** Branding, digital design skills, and financial strategies.

**Institutional Vision:** At the concluding ceremony, Pro-Rector Dr. Hammad Naveed highlighted the importance of these short courses in preparing UCP graduates to become job creators and leaders in sustainable economic growth.

### 2. Short Course on "Business Model Design and Product Commercialization"

Concluded on December 12, 2025, this specialized short course focused on the final stages of the innovation pipeline - moving a product from the lab to the consumer. Led by Dr. Amina Rizwan, the course provided advanced training on the financial and competitive aspects of business.

**Core Outcomes:**

- ❖ **Commercialization Pathways:** Development of go-to-market strategies and structured commercialization roadmaps.
- ❖ **Industry Engagement:** Practical training in pitching, negotiation, and fostering industry collaborations.
- ❖ **Mock Exercises:** Participants engaged in mock pitching sessions to refine their ability to secure investment and industrial interest.



**9.1.4 List of Training Sessions and Workshops (2025)**

| Date                      | Session/Workshop Title                                  | No. of Participants |
|---------------------------|---|---------------------|
| 16-Jan-25                 | Research Grant Session                                  | 87                  |
| 04-Aug-25                 | RPGs Training   | 26                  |
| 04-Aug-25                 | FIPP Orientation Session                                | 23                  |
| 06-Aug-25                 | Intellectual Property (IPs) Training                    | 43                  |
| 11-21 Aug, 2025           | Summer Course on Entrepreneurship: From Idea to Startup | 15                  |
| 13-Aug-25                 | Industrial Session on Advanced Analytical Techniques    | 23                  |
| 28-Aug-25                 | 4th Technical Workshop on EndNote X8 & Generative AI    | 45                  |
| 8-11 Sep, 2025            | Workshop on Generative AI                               | 105                 |
| 16-Sep-25                 | 1st Computational Chemistry Software Hands-On Workshop  | 30                  |
| 08-Oct-25                 | Session on HEC NRPU 2025–26 Call                        | 105                 |
| 10-Oct-25                 | Training on AI & Machine Learning                       | 95                  |
| 21-Nov-25                 | SPSS Workshop   | 36                  |
| 12-13 Dec, 2025           | Business Model Design and Product Commercialization     | 25                  |
| 22-Dec-25                 | Smart Organic Soap Formulation Workshop                 | 66                  |
| 23-Dec-25                 | AI Training for Non-Academic Staff                      | 75                  |
| <b>Total Participants</b> |   | <b>799</b>          |

**9.1.5 Impact on the UCP Innovation Ecosystem**

These newly taken initiative of short courses and Trainings represent a strategic shift in how ORIC fosters innovation. By providing structured, multi-day learning paths, the university has empowered a new cohort of entrepreneurs with the specialized skills needed to handle product compliance, branding, and scaling. These initiatives ensure that UCP continues to function as a dynamic hub for indigenous innovation and high-potential startup development.



**9.1.6 Outside Events Facilitated Through ORIC**

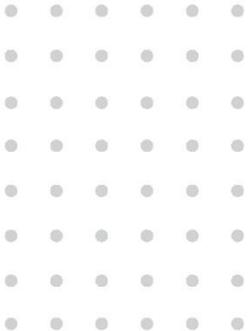
ORIC played a vital role in connecting the university with the community and industry through **20 outside events** in 2025. These platforms allowed students and faculty to demonstrate research to the public and potential investors:

**9.1.7 List of Outside Events Facilitated Through ORIC**

| <b>Event Title</b>  | <b>Date(s)</b>  | <b>Participating Faculty/Office</b> |
|---|-----------------|-------------------------------------|
| Pak Pharma & Healthcare Expo                              | Jan 20–22, 2025 | ORIC                                |
| 10th Pakistan Mega Leather Show 2025                      | Jan 26–28, 2025 | FOST, ORIC                          |
| Dairy Asia Expo   | Feb 14–15, 2025 | FOST, ORIC                          |
| 10th Pakistan Footwear, Material & Machinery Show         | Apr 11–13, 2025 | FOE, FOST                           |
| Health, Engineering and Minerals Show, 2025               | Apr 17–19, 2025 | FOE, FOST, FOPS                     |
| Pakistan Chemical Forum                                   | Apr 24–26, 2025 | FOPS, FOST                          |
| Rice Technology Asia                                      | May 3–5, 2025   | FOST, Dir. ORIC                     |
| 4th IEEM Electricity & Electronics Exhibition             | May 23–25, 2025 | FOE                                 |
| 10th ISEM Pakistan Solar Energy Exhibition                | May 23–25, 2025 | FOE                                 |
| IFTECH Pakistan Plasti&Pack Pakistan                      | May 29–31, 2025 | FOMS, FOST, ORIC                    |
| 8th Pak Health Expo 2025                                  | Jun 14–15, 2025 | FOPS                                |
| DPS World Pakistan 2025                                   | Jul 25–27, 2025 | FMMC, FOST                          |
| Electricity Pakistan 2025                                 | Aug 1–3, 2025   | FOE                                 |
| See Pakistan  | Aug 9, 2025     | FOST, FOPS                          |
| Young Entrepreneur Fest 2025                              | Sep 6, 2025     | All Faculty                         |
| Paper, Tissue, Plastic, Packaging, Asia & Corrugated Expo | Sep 13–15, 2025 | All Faculty                         |
| Food, Agri, Livestock, Rice Asia & Hospitality Show 2025  | Sep 13–15, 2025 | FOST, FOPS                          |
| 9th Pakistan Industrial Expo 2025                         | Sep 27–29, 2025 | FOPS, FOE                           |
| Print Pak Exhibition 2025                                 | Nov 13–15, 2025 | All Faculty                         |
| Dyestuff & Chemical Asia International Exhibition         | Nov 22–24, 2025 | FOST                                |



# PILLAR 6: INTERNATIONALIZATION



## Pillar 6: Internationalization

The University of Central Punjab (UCP) is dedicated to expanding its global footprint by building strong partnerships with international institutions. This pillar focuses on enhancing research visibility, fostering cross-border mentorship, and providing students with global academic pathways.

### 10.1 International Joint Supervision (MS/MPhil/PhD)

A key achievement in 2025 has been the expansion of joint supervision arrangements. These partnerships allow our postgraduate students to conduct research under the guidance of both UCP faculty and renowned international scholars, ensuring our research meets global standards.

| Degree | UCP Supervisor            | Faculty | International Supervisor           | Institution                   | Country        |
|--------|---------------------------|---------|------------------------------------|-------------------------------|----------------|
| PhD    | Prof. Dr. Muhammad Naveed | FOST    | Prof. Dr. Tariq Aziz               | University of Illinois        | Greece         |
| PhD    | Prof. Dr. Muhammad Naveed | FOST    | Prof. Dr. Tariq Aziz               | University of Illinois        | Greece         |
| PhD    | Prof. Dr. Muhammad Naveed | FOST    | Prof. Dr. Tariq Aziz               | University of Illinois        | Greece         |
| PhD    | Prof. Dr. Sumera Zaib     | FOST    | Dr. Imtiaz Khan                    | The University of Manchester, | Manchester, UK |
| PhD    | Prof. Dr. Sumera Zaib     | FOST    | Dr. Imtiaz Khan                    | The University of Manchester, | Manchester, UK |
| PhD    | Dr. Arslan Sarwar         | FOST    | North Dakota State University, USA |                               | USA            |

### 10.2 Global Pathways and Joint Programs

In 2025, UCP launched the "**Global Pathways, Local Excellence**" initiative in collaboration with the **University of Leicester, UK**. This 2+2 undergraduate degree program allows students to complete their first two years at UCP and their final two years at the University of Leicester. This partnership combines UCP’s affordable learning environment with the research strength of a globally ranked UK institution.





### 10.3 International Conferences and Collaborative Platforms

In 2025, the University of Central Punjab (UCP) solidified its role as a premier hub for academic and professional discourse. By hosting a diverse array of national and international conferences, the university created vital opportunities for researchers, industry leaders, and students to collaborate and explore the frontiers of knowledge. These gatherings serve as catalysts for innovation, driving progress and fostering partnerships that transcend geographic boundaries. Below is a comprehensive overview of the conferences and symposia held in 2025.



#### 10.3.1 UCP International Conferences List 2025

In 2025, UCP successfully organized a series of high-impact conferences and symposia across various faculties, addressing contemporary global challenges and technological advancements.

| Faculty | Date              | Conference/Symposium Name   | Type                     |
|---------|-------------------|---|--------------------------|
| FoMS    | 17-18 April, 2025 | 10th ICIBM: International Conference on Contemporary Issues in Business Management                    | International Conference |
| FoL     | 24-25 April, 2025 | 4th International Conference: Navigating the Legal Challenges of Cyber Security and Forensic Evidence | International Conference |

|                    |                      |  |                          |
|--------------------|----------------------|--|--------------------------|
| <b>FoHSS</b>       | 23-24 April, 2025    | International Conference on Contemporary Challenges for Democracy 2025                               | International Conference |
| <b>FoMMC</b>       | 17 June, 2025        | Contemporary Journalism Practices in the Post-Truth Era: Ethics, Responsibility, and the Way Forward | Symposium                |
| <b>FoST</b>        | 23 September, 2025   | 1st International Symposium on Recent Advances in Chemistry  | Symposium                |
| <b>FoHSS</b>       | 27-30 October, 2025  | Mental Health, Human Dignity, and Climate Change: Mitigating Global Psychological Risks (MHHDC)      | International Conference |
| <b>FoE / HVACR</b> | 07 November, 2025    | HVACR Students Innovation Conference and Project Expo 2025 (Lahore Region)                           | National Conference      |
| <b>FoIT / FoE</b>  | 12-13 December, 2025 | Horizons of Information Technology and Engineering   | International Conference |



## Summary

The 2025 Annual Report for the Office of Research, Innovation, and Commercialization (ORIC) highlights a period of significant growth and strategic advancement. By focusing on high-impact research and industrial synergy, the office has effectively bridged the gap between academic theory and practical application. The launch of several interdisciplinary initiatives has fostered collaborations across various departments, resulting in the development of innovative solutions for real-world challenges in sectors such as agriculture, healthcare, and software engineering.

Academic excellence was further demonstrated through the remarkable scholarly output of the faculty, who continue to contribute significantly to the global scientific community. This growth was complemented by a series of international and national conferences that served as vital platforms for exploring emerging frontiers and sustainable technologies. These events, alongside specialized short courses, have transitioned the university toward a culture of applied innovation and professional empowerment for the next generation of researchers and entrepreneurs.

On the international stage, ORIC has institutionalized global pathways through landmark joint degree programs and expanded cross-border mentorship arrangements. These efforts have created a dynamic ecosystem that supports academic mobility and ensures that the research community remains connected to global trends. Moving forward, the office remains dedicated to refining this framework to ensure that the university continues to serve as a hub for technological transfer and sustainable development on both a local and international scale.

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