

ANNUAL REPORT

2020-21

Annual Report 2020-21

University of Gujrat

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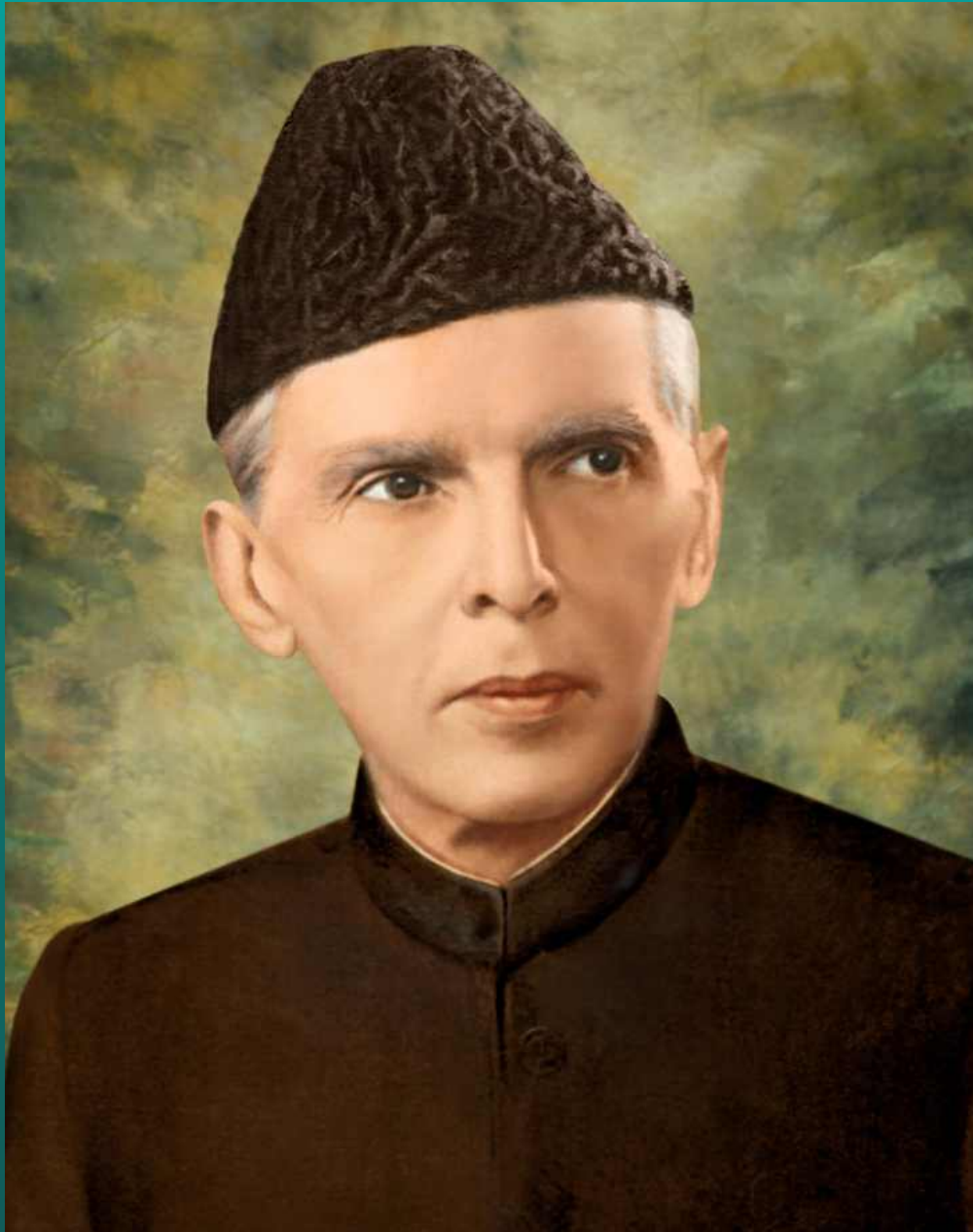
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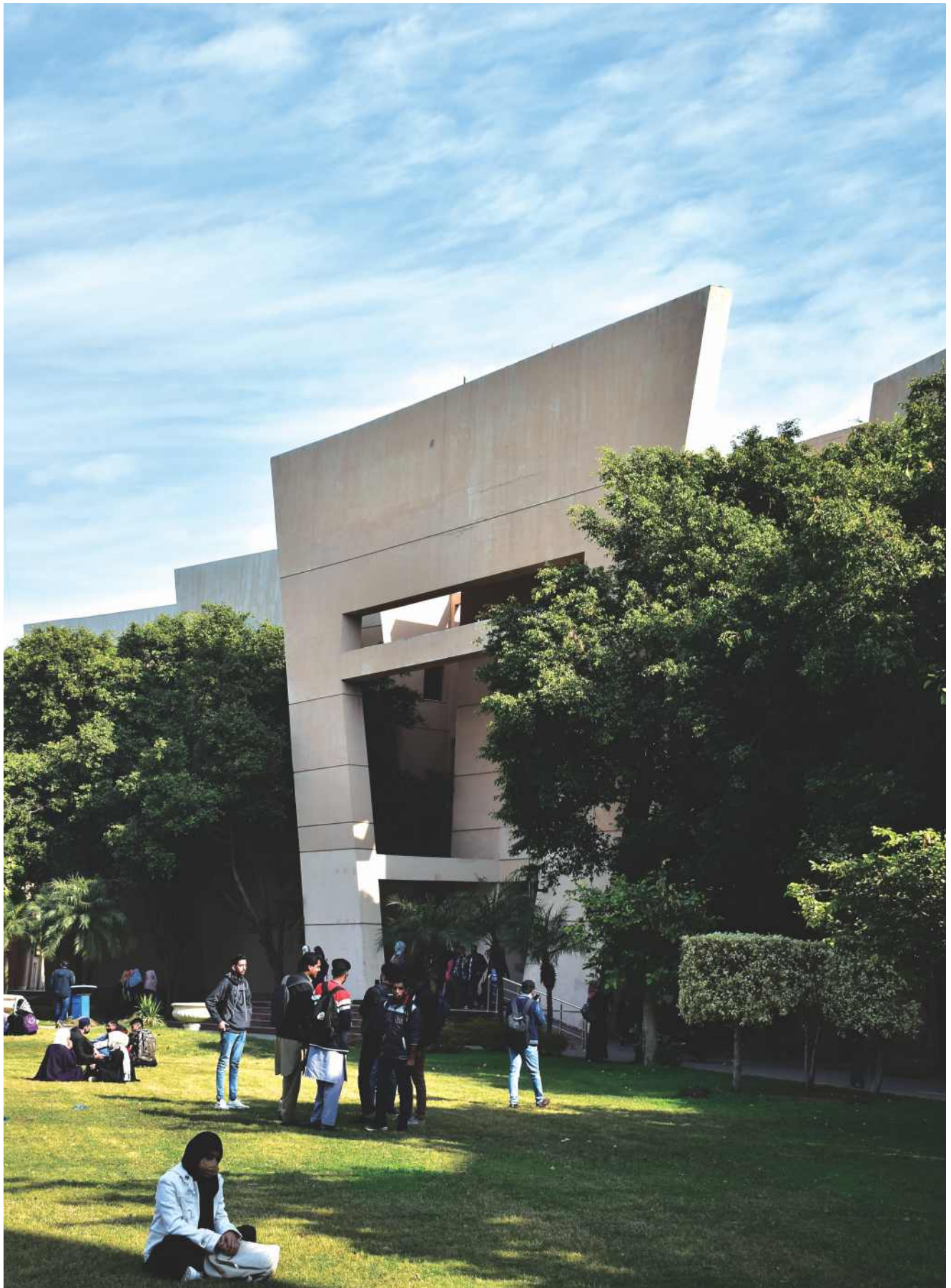
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“ I insist you to strive. Work, Work and only Work for satisfaction with patience, humbleness and serve the nation.”

Quaid e Azam Muhammad Ali Jinnah
Founder of Pakistan





Vice Chancellor's Message

A careful and judicious planning and a candid vision or approach is not all that is needed for the accomplishment of a task, and the best moment or a day of reckoning never comes at the outset in any course of a struggle either. You must cross a sea of obligations and responsibilities and likely to brave a malicious denunciation of your character aimed solely at denting your ambition, self-belief and all that you are good about - at times, picked on for the jolts caused by the tectonic plates miles beneath the crusts of the earth - before you get the fruit of your labor with the world rallying round you in acknowledgement to your achievements.

That best of the moments has not arrived, though. I can assure you that we're closing in on it and it is well-nigh in view. What fills my heart with great satisfaction and pride is that we have had innumerable wonderful moments at the University of Gujrat, especially against the backdrop of the (coronavirus) pandemic, or COVID-19, thanks largely to a whole host of our efforts (faculty, students, and all staff) and initiatives during the academic year 2020-2021 and a couple of preceding years with regard to promoting quality and achieving excellence in education, fashioning a culture of research and development along with an emphasis on character-building of students, promotion

of entrepreneurial skills, inasmuch as the institution that had carved out a niche for itself is poised to go further beyond.

What follows next on our agenda includes infrastructural development, more degree programs in various disciplines along with the projects of research and faculty development. We are planning strategies to further uplift the quality of education through teaching and research and offer solution-oriented learning through collaboration with business and social communities. We also plan to further strengthen PhD and MPhil programs in different departments. The following pages will provide you a detailed account of our achievements and future plans.

I would like to thank my colleagues for their support and valuable advice all along this journey of progress, as well as those involved in the meticulous job of preparing this report.

Prof. Dr Shabbar Atiq

Vice Chancellor,
University of Gujrat

University of Gujrat **ORGANOGRAM**

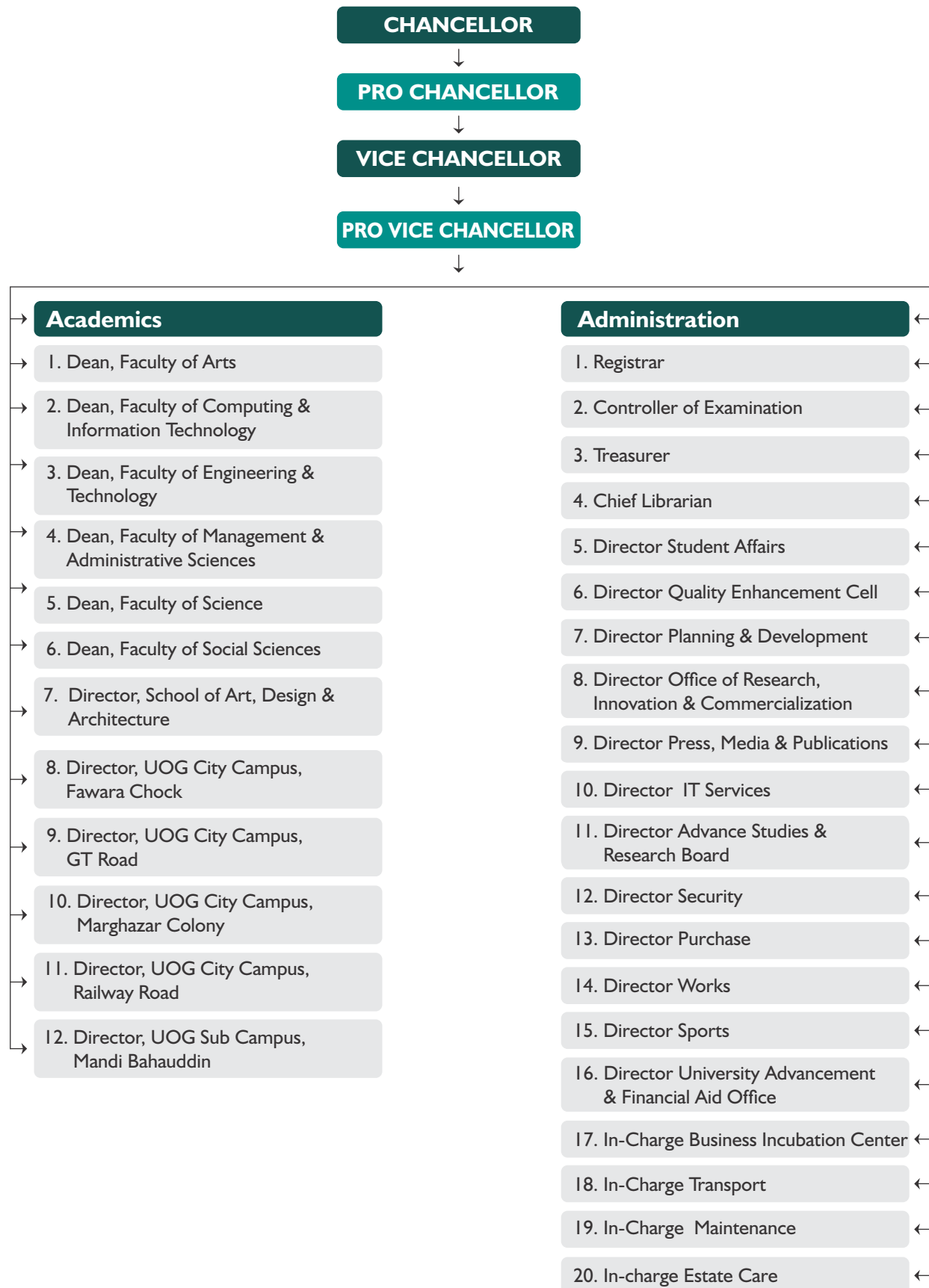


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University of Gujrat

A World-Class University



The University of Gujrat was established through a charter by the government of Punjab in 2004. It is located about 12km from the city of Gujrat. It comprises Hafiz Hayat Campus, a School of Law, four city campuses in Gujrat and one sub-campus in Mandi Bahauddin. The UOG is committed to cultivating skills groomed to excellence, advancing

science and technology, striving for social and economic development and promoting the knowledge culture. It caters for the national and regional needs, and is considered a citadel of knowledge, learning, innovation and a pool of creative talents.

For the nourishment of scholarly aptitude and skills, besides offering regular four-year degree programs, ranging from basic sciences to art, design and architecture, engineering to business studies, sociology to medical sciences and law to geosciences, it also offers two-year associate degree programs in various disciplines deploying community participation. The

university focuses on academic subjects and research concurrently. The university has established a number of research centres. It believes in sharing research benefits in real time with the community. The Office of Research, Innovation & Commercialization plays a key role in the promotion of high quality research culture and establishment



of strong industry linkages to promote applied and collaborative research activities.

The booming years with Prof. Dr Shabbar Atiq at the helm saw the completion of several projects and student-centric facilities. It includes the establishment of a sub-campus in Mandi Bahauddin with fully equipped labs, more academic blocks at the main campus, a new building for the Nawaz Sharif Medical College (NSMC-UOG), and more hostel facilities for the students and residential units for the faculty and other staff, e-rozgaar centre, etc. A wide range of new undergraduate and graduate degree programmes along with the implementation of e-learning and management systems helped a great deal in the smooth and timely shift to the online mode of teaching when the coronavirus pandemic shut the doors of all educational institutions.

The University of Gujrat has six faculties and 38 academic departments. It offers more than 100 programs at Associate Degrees, BS, Masters, Mphil and PhD levels. There are more than

147 PhDs among a total of about 680 faculty members. As many as 409 MPhils are collaborating with the national and international organisations. During the Fall-21 admission, the number of applications touched an all-time high of 46000.

There are also students registered as private candidates to whom the UOG awards degrees after annual examinations. Strategically located, it is providing education not only to rural localities of Gujrat but also to the

people of surrounding districts of Golden Industrial Triangle encompassing Sialkot, Gujranwala and Gujrat. It has one of the largest fleet of student buses that ply on different routes of Gujranwala, Mandi Bahauddin, Sialkot, Jehlum, Kharian, Bhimber and Gujrat districts.

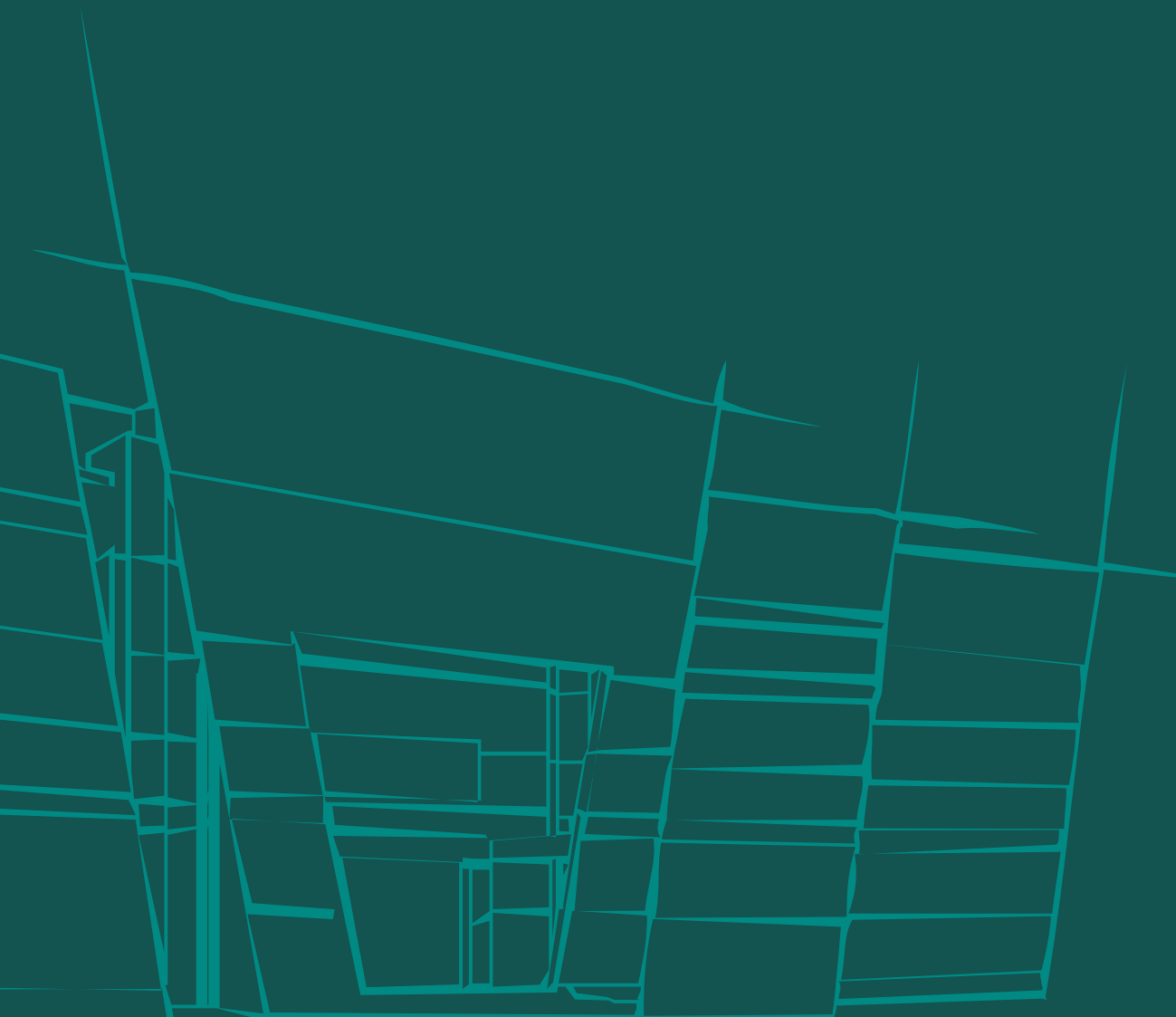
The University of Gujrat has made great strides in its journey of progress under the visionary leadership of its current Vice Chancellor, Prof. Dr Shabbar Atiq.





Chapter- I

Academic Activities



Academic Activities

The sphere of academic activities was expanded during 2020-21 by introducing some of the new market-based programs. All academic programs at various levels are being offered in the main campus, Hafiz Hayat Campus, four (04) city campuses in Gujrat, one (01) sub-campus (Mandi BahaUddin) and affiliated colleges in various cities of the Punjab. Programs offered during 2020-21 include 60 Undergraduate & Postgraduate Programs and MS / MPhil & PhD programs.

I. Faculties

Faculty of Engineering & Technology

- Department of Chemical Engineering
- Department of Electrical Engineering
- Department of Mechanical Engineering

Faculty of Computing & IT

- Department of Computer Science
- Department of Information Technology
- Department of Software Engineering

Faculty of Arts

- Centre for Languages & Translation Studies (CeLTS)
- Department of English
- Department of Islamic Studies
- Department of Law
- Center for Mass Communication & Media
- Department of Physical Education & Sports Sciences

Faculty of Social Science

- Department of Education
- Department of Political Science & IR
- Department of History & Pakistan Studies
- Department of Sociology
- Department of Psychology
- Department of Economics

Faculty of Science

- Department of Chemistry
- Department of Environmental Sciences
- Department of Geography
- Department of Mathematics
- Department of Statistics
- Department of Physics
- Department of Zoology

Faculty of Management & Administrative Science

- Department of Business Administration
- Department of Commerce
- Institute of Hotel & Restaurant Management (IHRM)

School of Arts, Design & Architecture (SADA)

- Department of Architecture
- Department of Design
- Department of Fine Arts

Nawaz Sharif Medical College

- Department of Surgery
- Department of ENT
- Department of Gynecology
- Department of Neurology
- Department of Ophthalmology
- Department of Radiology
- Department of Orthopedic
- Department of Medicine
- Department of Pediatric
- Department of Dermatology
- Department of Anesthesiology.
- Department of Cardiology
- Department of Plastic Surgery
- Department of Anatomy
- Department of Physiology
- Department of Pathology
- Department of Biochemistry
- Department of Pharmacology
- Department of Community Medicine
- Department of Forensic



2. Academic Achievements

The students and faculty of the university accomplished several academic achievements during 2020-21 in line with the vision and mission of the university to elevate its national and international ranking.

- With a view to create new knowledge and discover more avenues of creativity and innovation, the UOG submitted a total of 58 research projects during the year 2020-2021.
- Six of the submitted projects have been approved while others are still in the pipeline.
- A total of 568 research articles covered by Web of Science, Science Citation Index Expanded (SCI-Expanded), Social Sciences Citation Index (SSCI), Arts & Humanities Citation Index (A&HCI), were published in 2020.
- Six HEC recognized research journals/publications on a wide range of topics including languages and translation, linguistics, literature, engineering, social issues, business and management are indigenously produced.
- Admission applications during the booming year under Prof. Dr Shabbar Atiq touched an all-time height of more than 46,000.
- Twenty-five PhD scholars were awarded degrees.

3. Foreign Academic Linkages

The university aspires to establish academic linkages with international educational institutes for collectively dealing with the academic and research areas according to the changing patterns of international trends. For this purpose, the UOG is categorising and exploring the numerous areas of collaboration such as joint research, student and faculty exchange and other academic activities that have become part of foreign academic linkages.

List of Foreign Research Collaboration

| S# | Name of Host Department | Collaborating Agency/ Institution | Scope of Collaboration | Date of Link Established |
|----|---|--|--|-----------------------------|
| 01 | The Department of Geography, Faculty of Science, University of Gujrat, Pakistan | The Faculty for Natural Sciences III, Martin Luther University Halle-Wittenberg, Germany | Establish a cooperative relationship between the institutions for scientific research, academic teaching, and cultural activities. | 15-Jul-20 |



4. Honours and Awards

The UOG faculty and students have brought accolades and secured honours and awards in different fields on the basis of their excellent performance in different fields.

| S# | Title of Award/ Honor | Organization | Any award/ prize / certificate or relevant received | Brief Details of work honored | Name, Designation and Department of Award Winner | Remarks / Any other details |
|----|---|---------------------|---|--|---|-------------------------------------|
| 1 | World's Top 2% Scientists | Stanford University | Advirtized in various Media/ News Papers | recognized in the life time researchers list of 160,000 scientists | Dr M. Bilal Tahir, Lecturer, Physics | Career Long citations ranked 163125 |
| 2 | World's Top 2% Scientists | Stanford University | Advirtized in various Media/ News Papers | recognized in the Single year citations list of 160,000 scientists | Dr M. Bilal Tahir, Lecturer, Physics | Single Year citations ranked 8792 |
| 3 | World's Top 2% Scientists (Career long citations) | Stanford University | Advirtized in various Media/ News Papers | recognized in the Single year citations list of 160,000 scientists | Dr Tahir Iqbal Awan, Assistant Professor, Physics | Single year citations ranked 313083 |
| 4 | World's Top 2% Scientists | Stanford University | Advirtized in various Media/ News Papers | recognized in the Single year citations list of 160,000 scientists | Dr Khalid Nadeem Riaz, Assistant Professor, Physics | Single year citations ranked 118560 |
| 5 | World's Top 2% Scientists | Stanford University | Advirtized in various Media/ News Papers | recognized in the Single year citations list of 160,000 scientists | Dr Muhammad Rizwan, Assistant Professor, Physics | Single year citations ranked 143902 |

5. Institutional Linkages

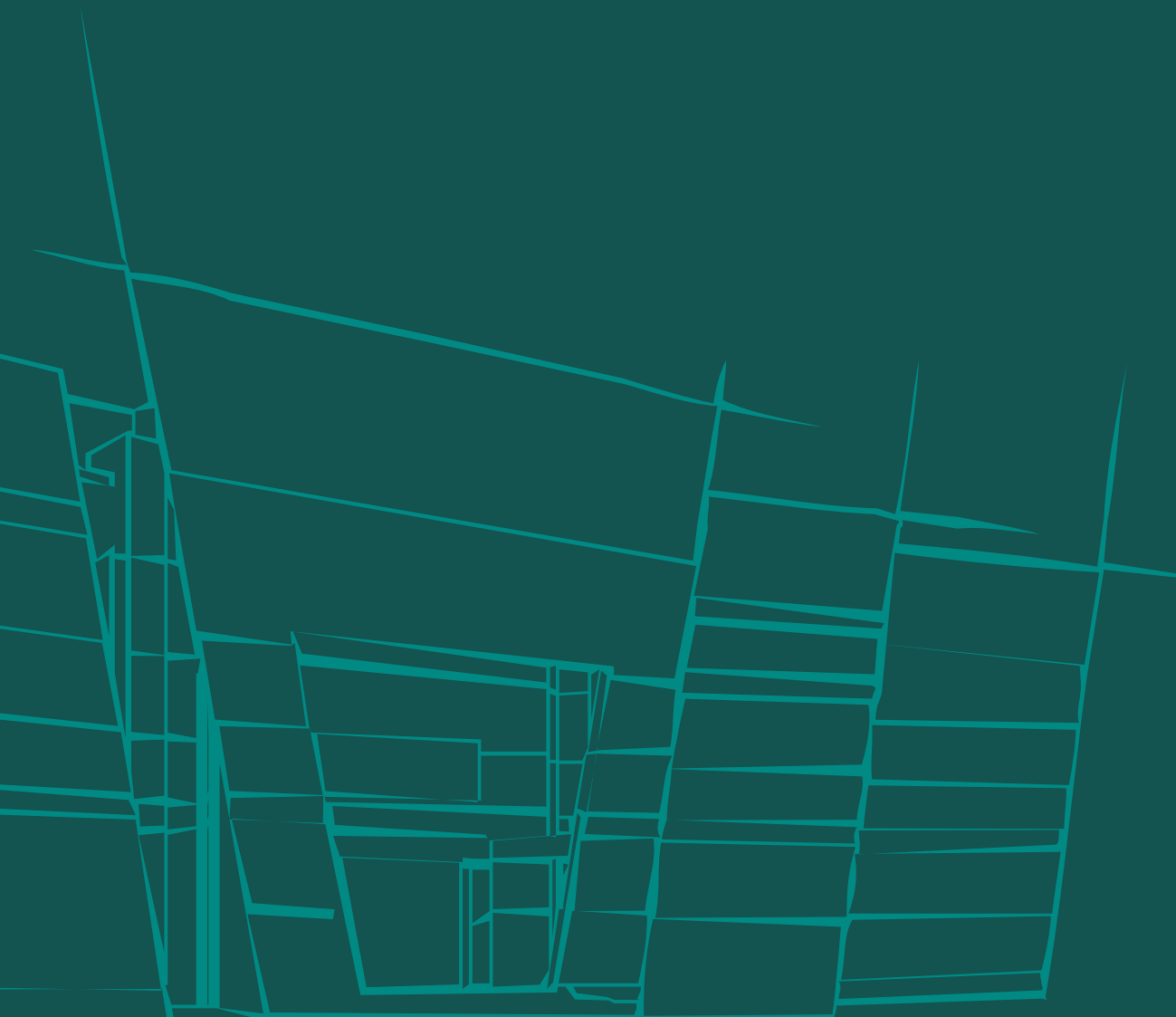
The UOG has strong linkages with local public and private sector universities, institutions and other organizations to collectively improve higher education sector and fashion a research culture at the national level. In this regard, the varsity has signed numerous Memorandums of Understanding (MOUs) in different years since its inception.

With institutional collaboration at national level, the UOG's academic departments have attained benefits by executing as well as launching joint research projects, educational programs, curriculum development, labs and equipment upgradation, job placement of UOG graduates, organizing joint workshops, seminars, conferences, etc.

| S# | Name of Host Department | Collaborating Agency/ Institution | Scope of Collaboration | Date of Link Established |
|----|---|--|--|--------------------------|
| 01 | Pakistan Journal of Languages and Translation Studies, University of Gujrat, Pakistan | Englshers ICELLL. I, NUML, Islamabad, Pakistan | Publication of Research Articles/ Papers of Conference on English Language, Linguistics and Literature in the special issue of Pakistan Journal of Languages and Translation Studies (PJLTS), University of Gujrat | 18-Jan-21 |

Chapter-2

Research and Development



R&D – An Overview

The term "research and development" is widely linked to the concept of corporate or governmental innovation. Innovation leading to increased productivity is the fundamental source of increasing wealth in an economy, and hence innovation is the most important factor for countries that guarantees employment, sustainable growth, social welfare, and quality of life. The increase of the R&D level forms a basis for the innovation to move.

Existing Facilities of Research

1. Office of Research, Innovation & Commercialization (ORIC)
2. Business Incubation Center (BIC)
3. Technology and Innovation Support Centre (TISC)

1. Office of Research, Innovation & Commercialization (ORIC)

Research and development activities of the University of Gujrat are managed by the Office of Research, Innovation & Commercialization (ORIC). ORIC provides facilitation to all the research centers as well as faculties of the university.

This Office was established in September 2011 in pursuance of the policy of the Higher Education Commission (HEC) Islamabad to make RESEARCH a top PRIORITY for sustainable economic growth and a future knowledge-based economy. The purpose of this Office is to serve as a pivotal point to manage all the research activities, and to develop, expand and enhance

the university research programs. It links research activities directly to the educational, social, and economic priorities of the university and its broader community, under a single umbrella. The ORIC is also responsible for assuring that the quality of research reflects the highest international standards and advances the stature of the university among the world's best research institutions.

ORIC is striving hard to recognize and value faculty members for carrying out productive research in all disciplines. Primarily the focus of ORIC is to increase the competitiveness of faculty at UOG and set a quality benchmark to maintain the highest standards of research. ORIC has positively set the pace to match up to the challenges in the field of Research and Commercialization. The overall focus of ORIC is to provide end-to-end services for all matters pertaining to research & development, innovation, inventions, commercialization, patents, collaborations, and arranging seminars/ symposiums/ conferences and workshops.

a) The Roles of ORIC

The ORIC is meant to play the following roles:

- (i) Create a robust research facilitation system to equip the UOG faculty with resources and services for cutting- edge research.
- (ii) Expand the research focus across a full range of disciplines to seek the solutions for most significant national challenges.
- (iii) Identify Research and Development areas where the University of Gujrat has strength and significant lead in establishing university-industry relationships and developing partnerships with public and private



- sector organisations, national and international donors and other community-based organisations.
- (iv) Build capacities of young faculty members to modernise their research, increase collaboration and capitalise project grants.

b) Operations of the ORIC

The ORIC realises the need to contribute to developing R&D and plays its due role in transforming the country's economic focus by strengthening the ties between institution to institution; and the academia and the industry. The ORIC is keenly involved in establishing linkages with academia, industry and the community to carry out different projects. Besides this, the ORIC has signed many MOUs with local and regional industries to provide industrial solutions and innovative ideas. The operational activities of the ORIC that support the university include:

- (i) Developing and implementing the university's research policy.
- (ii) Fundraising for the research
- (iii) Ensuring effective distribution and efficient use of the research funds, in line with the priorities identified in the university's strategic plan.
- (iv) Setting standards and ensuring effective dissemination of high quality research output.
- (v) Representing the interests of the university.
- (vi) Registration, patenting and commercialization of intellectual property.
- (vii) Promoting entrepreneurship, technology-transfer and commercialization activities that energize and support the local and national economy.
- (viii) Promoting and enhancing cross-cutting and multi-disciplinary research initiatives
- (ix) Processing the research proposals of the UOG faculty for seeking funding from the HEC and other donor agencies.
- (x) Channelizing research grant applications to the respective donor organizations and preparing technical reports thereof.

- (xi) Establishing links with donors and industry for enhancing research collaboration and sharing research results.
- (xii) Arranging and conducting seminars, conferences and training workshop programs for faculty awareness, development and faculty industry interaction.

2. Business Incubation Center (BIC)

The Business Incubation Centre provides a supporting environment to entrepreneurs and mentors them to be part of the global ecosystem. Incubation is a business support process that accelerates the successful development of start-up companies by providing new entrepreneurs with an array of targeted resources and services. A business incubator's main goal is to produce successful firms that will leave the program financially viable and freestanding. It creates jobs by helping the new graduates to become job providers instead of job-seekers, commercialises new technologies, and strengthens communities and economies.

Business incubation is a business support process that accelerates the successful development of start-up companies by providing new entrepreneurs with an array of targeted resources and services. A business incubator's main goal is to produce successful firms that will leave the program financially viable and freestanding. It creates jobs helping the new graduates to become job providers instead of job-seekers, commercialises new technologies, and strengthens communities and economies.

The BIC has established its collaboration with Saarland University, Germany, for the European Commission's Erasmus+ Project, worth €1,000,000, titled "Transforming Academic Knowledge to Develop Entrepreneurial Universities in Pakistan [TAKE-UP]". In the project described above, the University of Gujrat has been a part of a consortium with Saarland University, Germany; Athens University of Business and Economics, Greece; LUMS, Lahore; COMSATS; and Government College University, Lahore.

3. Pak-UK Institute of Innovative Technologies for Disaster Management

Pak-UK Institute of Innovative Technologies for Disaster Management is echoing the latest development of new technologies required for disaster management. This institute is working to identify the

(IPO) Pakistan and Ministry of Science & Technology (MoST), Government of Pakistan.

Research Projects

Research is the focal point of tertiary education worldwide, and universities significantly contribute to creating new knowledge and the discovery of new frontiers of creativity and innovation. In order to develop the university into a true Centre of Excellence, it is imperative that apart from maintaining high standards in teaching, the research is rigorously pursued and suitably rewarded.

The ORIC is acting as a focal point for providing guidance and support to all departments and schools in activities related to research to make it in line with

national needs. As such, the ORIC has a significant role in achieving the vision of the Vice-Chancellor. Therefore, facilitation and coordination of research activities and liaison with other national and international academics, research, and industrial organizations to facilitate research is the mission of the ORIC. During the academic year (2020-21), several projects were initiated on the basis of funding from following sources.

The list of approved projects is given below along with the amount and source of the funding:

Projects Approved

| S# | Title of Research Proposal | Name of Research Grant | Name of PI with Designation and Department | Total Funding Approved (Rs.) | Date of Approval |
|----|--|--|---|------------------------------|------------------|
| 1 | Bioassays guided isolation and identification of anti-Alzheimer compounds from Berberis lyceum | International Foundation for Science | Dr Hammad Ismail, Assistant Professor | PKR 1,281,874.22 | 10/08/2020 |
| 2 | Smart Wheelchair Using IOT | National Grassroots ICT Research Initiative - Ignite | Dr Umer Shoaib, Assistant Professor, Computer Science | PKR 23,627.00 | 28/06/2021 |
| 3 | Autonomous Car Using Raspberry PI | National Grassroots ICT Research Initiative - Ignite | Dr M Usman Ali, Assistant Professor, Computer Science | PKR 79,140.00 | 28/06/2021 |
| 4 | Urdu Language Assistant | National Grassroots ICT Research Initiative - Ignite | Dr M. Usman Ali, Assistant Professor, Computer Science | PKR 75,840.00 | 28/06/2021 |
| 5 | On the way | National Grassroots ICT Research Initiative - Ignite | Dr M. Usman Ali, Assistant Professor, Computer Science | PKR 70,900.00 | 28/06/2021 |
| 6 | Smart Glasses for blinds | National Grassroots ICT Research Initiative - Ignite | Dr. Abdul Rehman, Assistant Professor, Computer Science | PKR 29,850.00 | 28/06/2021 |

Projects Submitted/Under Process

The list of categories of submitted projects in 2020-21 is given below:

| S# | Title of Research Proposal | Name of Research Grant (NRPU, GCF, TTSP, ICRG, LCF etc.) | Name of PI with Designation and Department | Total Funding Requested (Rs.) |
|----|--|---|---|-------------------------------|
| 1 | Cas9-mediated in-planta defence strategy against Tomato leaf curl New Delhi Virus (ToLCNDV) in tomato | National Research Program for Universities (NRPU), HEC 2021 | Dr. M. Azmat Ullah Khan, Assistant Professor, Biochemistry and Biotechnology | PKR 18,934,230.00 |
| 2 | Integrated Weed Management using An Autonomous Mobile Robot | National Research Program for Universities (NRPU), HEC 2021 | Dr Muhammad Usman Ali, Assistant Professor, Computer Science | PKR 17,255,704.92 |
| 3 | No Cure for What Ails Us: An Analysis of the Media-Constructed Disconnect Between Human Development Issues and Possible Solutions | National Research Program for Universities (NRPU), HEC 2021 | Dr Muhammad Yousaf, Assistant Professor, Centre for Media & Communication Studies | PKR 8,047,323.00 |
| 4 | Strengthening of research system for benchmark analysis of natural and environmental contaminants in cereal food grains | National Research Program for Universities (NRPU), HEC 2021 | Dr Muhammad Zubair, Assistant Professor, Chemistry | PKR 6,586,785.20 |
| 5 | Child Abuse in Pakistan: Discursive Representation, Legislation, Factors, Effects, Challenges and Future Directions | National Research Program for Universities (NRPU), HEC 2021 | Dr Musarat Yasmin, Assistant Professor, English | PKR 13,937,770.00 |
| 6 | Design of Solar Assisted Thermal Refrigeration System using R410A | National Research Program for Universities (NRPU), HEC 2021 | Dr Naeem Abas, Associate Professor, Electrical Engineering | PKR 19,002,050.00 |
| 7 | Rational Engineering of Bacterial Protease for High Stability and Catalytic Activity | National Research Program for Universities (NRPU), HEC 2021 | Dr Naeem Mehmood Ashraf, Assistant Professor, Biochemistry and Biotechnology | PKR 7,610,400.00 |
| 8 | Development of Energy Harvester Based on Flow Induced Vibration | National Research Program for Universities (NRPU), HEC 2021 | Dr Sajjad Miran, Assistant Professor, Mechanical Engineering | PKR 12,880,587.40 |
| 9 | Characterization of m -polar fuzzy ideals with application in decision making problems | National Research Program for Universities (NRPU), HEC 2021 | Dr Shahida Bashir, Assistant Professor, Mathematics | PKR 7,048,683.40 |
| 10 | Dual Purpose Activated Biochar Technology: An Approach for Improving Soil Quality and Wheat-Maize Cropping System under Deficit Irrigation | National Research Program for Universities (NRPU), HEC 2021 | Dr Summera Jahan, Lecturer, Botany | PKR 5,862,948.00 |

| S# | Title of Research Proposal | Name of Research Grant (NRPU, GCF, TTSE, ICRG, LCF etc.) | Name of PI with Designation and Department | Total Funding Requested (Rs.) |
|----|---|---|--|-------------------------------|
| 11 | Design and application of photo-catalytic reactor for treatment of industrial waste water | National Research Program for Universities (NRPU), HEC 2021 | Dr Tahir Iqbal, Assistant Professor, Physics | PKR 9,781,923.00 |
| 12 | Fast numerical modelling and failure prediction of high strength low alloy steel laser welded structures | National Research Program for Universities (NRPU), HEC 2021 | Dr Waseem Arif, Assistant Professor, Engineering | PKR 13,749,090.00 |
| 13 | Development of Oxide Based Efficient and Inexpensive Coating Materials for Electrodes of | National Research Program for Universities (NRPU), HEC 2021 | Dr M. Waseem Mumtaz, Assistant Professor, Chemistry | PKR 9,387,000.00 |
| 14 | Media and National Security: Role of Media in Ensuring National Security and Establishing Peace in Pakistan (An Analysis of Print, Electronic and Social Media in Pakistan) | National Research Program for Universities (NRPU), HEC 2021 | Dr Zahid Yousaf, Associate Professor, Center for Media & Communication Studies | PKR 8,654,880.00 |
| 15 | Exploring the Barriers to Institutional Transformation of a Liberalised Electricity Infrastructure in Pakistan Energy-Efficient Process Development and Design of Advanced Separation | National Research Program for Universities (NRPU), HEC 2021 | Dr Faisal Mehmood Mirza, Associate Professor, Economics | PKR 5,496,000.00 |
| 16 | Technologies of Solvent mixture (Xylene, Butyl Acetate and Methyl Ethyl Ketone) Recovery/ Re-processing for Paint Industry | National Research Program for Universities (NRPU), HEC 2021 | Dr Ghulam Abbas, Associate Professor, Chemical Engineering | PKR 4,680,908.00 |
| 17 | Fabrication of Emerging Flexible Supercapacitor Materials for Potential Applications in Portable Smart Gadgets | National Research Program for Universities (NRPU), HEC 2021 | Dr Ghulam Nabi, Assistant Professor, Physics | PKR 14,792,707.80 |
| 18 | Appraisal of Seriphidium kurramense for the treatment of diabetes and metabolic syndrome | National Research Program for Universities (NRPU), HEC 2021 | Dr Hammad Ismail, Assistant Professor, Biochemistry and Biotechnology | PKR 9,292,261.86 |
| 19 | Technology-based New Solution to Combat the Religious Extremism | National Research Program for Universities (NRPU), HEC 2021 | Dr Jamil Akhtar, Lecturer, Islamic Studies | PKR 10,407,607.20 |

| S# | Title of Research Proposal | Name of Research Grant (NRPU, GCF, TTSE, ICRG, LCF etc.) | Name of PI with Designation and Department | Total Funding Requested (Rs.) |
|----|---|--|---|-------------------------------|
| 20 | Creation of drought resistance in rice (<i>Oryza sativa</i> L.) cultivars using CRISPR-Cas9 Technique | National Research Program for Universities (NRPU), HEC 2021 | Dr Khalid Hussain, Assistant Professor, Botany | PKR 2,672,771.00 |
| 21 | Taxonomic reassessment and paleoclimatic study of the Siwalik ruminants | National Research Program for Universities (NRPU), HEC 2021 | Dr Kiran Aftab, Assistant Professor, Zoology | PKR 10,049,567.60 |
| 22 | Isolation and Identification of Antifungal Compounds from some Local Weeds of Gujrat, Pakistan, to Control Wilt Disease of Capsicum Frutescens L. | National Research Program for Universities (NRPU), HEC 2021 | Dr Muhammad Akbar, Assistant Professor, Botany | PKR 8,832,146.40 |
| 23 | Genetic Modification of Tomato to Control ToLCNDV through CRISPR/Cas 9 | LCF, World Bank Group, HEC | Dr M. Azmat Ullah Khan, Assistant Professor, Biochemistry & Molecular Biology | PKR 2,432,360.00 |
| 24 | Development of Smart Vaccine Storage Boxes | LCF, World Bank Group, HEC | Dr Sajjad Miran, Assistant Professor, Mechanical Engineering | PKR 17,063,700.00 |
| 25 | Application of m-polar Fuzzy set in Decision Making Problems | LCF, World Bank Group, HEC | Dr Shahida Bashir, Assistant Professor, Mathematics | PKR 7,453,032.00 |
| 26 | Finding Natural Treatment of Alzheimer's Disease from Phoenix Dactylifera and its effect on Brain Neurotransmitters | International Center for Genetic Engineering and Biotechnology (ICGEB) | Dr Hammad Ismail, Assistant Professor, Biochemistry and Biotechnology | EUR 49,500.00 |
| 27 | Modification of Propylene Based PPE for Increased Biodegradation through Genetically Modified Bacteria | Pakistan Science Foundation | Dr M. Azmat Ullah Khan, Assistant Professor, Biochemistry and Biotechnology | PKR 3,865,000.00 |
| 28 | On the way | Final Year Projects - Ignite | Adeel Moarif, Computer Science | — |
| 29 | Smart Glasses for blinds | Final Year Projects - Ignite | Ahmad Pasha, Computer Science | — |
| 30 | Smart Wheelchair Using IOT | Final Year Projects - Ignite | Hassan Waqar Butt, Computer Science | — |

| S# | Title of Research Proposal | Name of Research Grant (NRPU, GCF, TTST, ICRG, LCF etc.) | Name of PI with Designation and Department | Total Funding Requested (Rs.) |
|----|---|--|---|-------------------------------|
| 31 | Design and Development of Intelligent Controller for 7-DoF Anthropomorphic Arm to Generate Human-Like Arm Movements. | Final Year Projects - Ignite | Mohammad Shoaib Baabar, Electrical Engineering | – |
| 32 | 'Design of Solar PhotoVoltaic Refrigeration System | Final Year Projects - Ignite | Mudassar Habib, Electrical Engineering | – |
| 33 | Smart Teller | Final Year Projects - Ignite | Muhammad Abdullah Naeem, Computer Science | – |
| 34 | IoT Based Secured Smart Diagnosis System | Final Year Projects - Ignite | Muhammad Awais, Software Engineering | – |
| 35 | Smart irrigation system | Final Year Projects - Ignite | Muhammad Faizan Akhtar, Computer Science | – |
| 36 | Three D Printer using IOT | Final Year Projects - Ignite | Muhammad Ibraheem, Computer Science | – |
| 37 | Autonomous Car Using Raspberry PI | Final Year Projects - Ignite | Naveed Ahmed, Computer Science | – |
| 38 | Integrated Audio-Visual Perceptual System of Socially Interactive Humanoid Robot | Final Year Projects - Ignite | Sohaib Siddique Butt, Electrical Engineering | – |
| 39 | Urdu Language Assistant | Final Year Projects - Ignite | Umme Rubab, Computer Science | – |
| 40 | Ecofriendly Organo-Gel-Char Strategy for Sustainable Wheat Production under Climate Driven Drought Spells | Punjab Agricultural Research Board (PARB), Lahore | Dr Audil Rashid, Professor, Botany | PKR 10,190,000.00 |
| 41 | Development of disease resistance in Pakistani wheat cultivar by the expression of NPR I gene | Punjab Agricultural Research Board (PARB), Lahore | Dr Hammad Ismail, Assistant Professor, Biochemistry and Biotechnology | PKR 9,928,953.00 |
| 42 | Development of the Strip Assays for the Detection of Cotton Leaf Curl Virus | Punjab Agricultural Research Board (PARB), Lahore | Dr M Azmat Ullah Khan, Assistant Prof, Biochemistry & Molecular Biology | PKR 17,085,400.00 |
| 43 | Introducing lentil genetic resources for local adaptability at multiplications to boost yield through breeding and Omics approaches | Punjab Agricultural Research Board (PARB), Lahore | Dr Sajjad Iqbal, Associate Professor, Botany | PKR 18,738,000.00 |

| S# | Title of Research Proposal | Name of Research Grant (NRPU, GCF, TTSTF, ICRG, LCF etc.) | Name of PI with Designation and Department | Total Funding Requested (Rs.) |
|----|--|---|---|-------------------------------|
| 44 | Isolation of anti-Alzheimer's compounds from <i>Ajuga bracteosa</i> and determination of their mechanism of action through preclinical trials | Punjab Innovation and Research Challenge Award, PHEC | Dr Hammad Ismail, Assistant Professor, Biochemistry and Biotechnology | PKR 9,751,350.00 |
| 45 | Development of novel cellulose nanocrystals for transdermal drug delivery applications | Punjab Innovation and Research Challenge Award, PHEC | Dr Hira Munir, Assistant Professor, Biochemistry and Biotechnology | PKR 5,635,613.00 |
| 46 | Developing a quantitative PCR for rapid and accurate diagnosis of breast cancer | Punjab Innovation and Research Challenge Award, PHEC | Dr Kalsoom Sughra, Assistant Prof., Biochemistry and Biotechnology | PKR 9,519,300.00 |
| 47 | Designing and implementation of an Occupational Health, Safety & Environmental (OHSE) intervention program for controlling respiratory impairment in small & medium sized enterprises (SMEs) of Punjab | Punjab Innovation and Research Challenge Award, PHEC | Dr Mohsin Abbas, Assistant Professor, Environmental Sciences | PKR 6,900,000.00 |
| 48 | Management of Fusarium Wilt of Chili by Organic Extract Formulation of Indigenous Weeds | Punjab Innovation and Research Challenge Award, PHEC | Dr Muhammad Akbar, Assistant Professor, Botany | PKR 6,888,638.00 |
| 49 | Testing a Cas9 mediated in-planta defence strategy against Tomato leaf curl New Delhi Virus (ToLCNDV) in tomato | Punjab Innovation and Research Challenge Award, PHEC | Dr M. Azmat Ullah Khan, Assistant professor, Biochemistry & Molecular Biology | PKR 8,205,750.00 |
| 50 | How Critical Success Factors and Organisational Support Effects the Success of Renewable Energy Projects | Punjab Innovation and Research Challenge Award, PHEC | Dr Muhammad Kashif Ali, Lecturer, History & Pakistan Studies | PKR 10,000,000.00 |
| 51 | Controlling post harvest losses in selected fruits & vegetables and to provide value addition to boost local industry | Punjab Innovation and Research Challenge Award, PHEC | Dr Sajjad Iqbal, Associate Professor, Botany | PKR 9,900,000.00 |
| 52 | Development of Protocols for Valorization of Tannery Wastes and Ecofriendly enzyme Production | Punjab Innovation and Research Challenge Award, PHEC | Dr Nadia Zeeshan, Assistant professor, Biochemistry & Molecular Biology | PKR 8,244,600.00 |

| S# | Title of Research Proposal | Name of Research Grant (NRPU, GCF, TTST, ICRG, LCF etc.) | Name of PI with Designation and Department | Total Funding Requested (Rs.) |
|----|--|--|--|-------------------------------|
| 53 | Rational Engineering of Microbial Serine Protease for Thermostability and Catalytic Activity | Punjab Innovation and Research Challenge Award, PHEC | Dr Naeem Mehmood Ashraf, Assistant professor, Biochemistry & Molecular Biology | PKR 3,000,000.00 |
| 54 | Generalizations of bipolar fuzzy set theory to m-polar fuzzy set theory in semigroups with applications | Punjab Innovation and Research Challenge Award, PHEC | Dr Shahida Bashir, Assistant Professor, Mathematics | PKR 5,916,145.00 |
| 55 | RNAi targets for the control of English Grain Aphid | Punjab Innovation and Research Challenge Award, PHEC | Dr Umer Rashid, Assistant Professor, Biochemistry and Biotechnology | PKR 9,886,275.00 |
| 56 | Development of Novel Nano-Biocatalysts/ Nanoadditives for Optimised Production of High Performance | Punjab Innovation and Research Challenge Award, PHEC | Dr M. Waseem Mumtaz, Assistant Professor, Chemistry | PKR 4,207,959.00 |
| 57 | Resource Recycling and Energy Recovery through Dry Anaerobic Co-Digestion of solid waste and agricultural residues in rural and semi-urban areas | Punjab Innovation and Research Challenge Award, PHEC | Dr Zaki-ul-Zaman Asam, Assistant Professor, Environmental Sciences | PKR 5,860,000.00 |
| 58 | Engineering Cellulose Nanocrystals as Novel Therapeutic Cues for Drug Delivery and Wound Dressing Applications | International Foundation for Sciences | Dr Hira Munir, Assistant Professor, Biochemistry and Biotechnology | 14900 US\$ |



Publications

The ORIC believes that journal publications play vital role in university's ranking and its reputation. The published material pursues further research activities and achieves credit and citations. These publications are equally important for professional growth and career progression of the faculty.

Further, publication of research work is among the means by which researchers communicate scholarly outcome and build their reputation among their peers. The publication is a primary basis on which researchers are evaluated for various incentives including employment, promotion and tenure. These publications also contribute significantly towards citation of new knowledge, which is one of the functions of a university. The UOG Research, Innovation and Commercialization (RIC) Policy 2016 encourages, facilitates and financially supports such research activities.

UOG faculty members have enthusiastically involved in disseminating their research efforts in well-known national and international HEC recognized research journals during 2020. A total of 568 research articles covered by Web of Science [Science Citation Index Expanded (SCI-Expanded), Social Sciences Citation Index (SSCI), Arts & Humanities Citation Index (A&HCI)] were published in 2020. The list of HEC recognized publications is given as under:

1. Natural resource abundance, technological innovation, and human capital nexus with financial development: A case study of China
Khan, Zeeshan; Hussain, Muzzammil; Shahbaz, Muhammad; Yang, Siqun; Jiao, Zhilun
RESOURCES POLICY
2. Enhanced industrial dye degradation using Co doped in chemically exfoliated mos₂ nanosheets
Raza, Ali; Ikram, Muhammad; Aqeel, Muhammad; Imran, Muhammad; Ul-Hamid, Anwar; Riaz, Khalid Nadeem; Ali, Salamat
APPLIED NANOSCIENCE
3. The application of dielectric barrier discharge non-thermal plasma in vocs abatement: A review
Li, Shijie; Dang, Xiaoqing; Yu, Xin; Abbas, Ghulam; Zhang, Qian; Cao, Liw
CHEMICAL ENGINEERING JOURNAL
4. Investigation of structural, electronic, magnetic and mechanical properties of a new series of equiatomic quaternary Heusler alloys coycrz (Z = Si, Ge, Ga, Al): A DFT study
Khan, Muhammad Isa; Arshad, Hafsa; Rizwan, M.; Gillani, S. S. A.; Zafar, M.; Ahmed, Shabbir; Shakil, M.
JOURNAL OF ALLOYS AND COMPOUNDS
5. Bioactivities of Geranium wallichianum Leaf Extracts Conjugated with Zinc Oxide Nanoparticles
Abbasi, Banzeer Ahsan; Iqbal, Javed; Ahmad, Riaz; Zia, Layiq; Kanwal, Sobia; Mahmood, Tariq; Wang, Canran; Chen, Jen-Tsung
BIOMOLECULES
6. Improved photocatalytic performance of Gd and Nd co-doped zno nanorods for the degradation of methylene blue
Akhtar, Javaid; Tahir, M. B.; Sagir, M.; Bamufleh, Hisham Saeed
CERAMICS INTERNATIONAL
7. Fe₃O₄-PDA-Lipase as Surface Functionalized Nano Biocatalyst for the Production of Biodiesel Using Waste Cooking Oil as Feedstock: Characterization and Process Optimization
Touqeer, Tooba; Mumtaz, Muhammad Waseem; Mukhtar, Hamid; Irfan, Ahmad; Akram, Sadia; Shabbir, Aroosh; Rashid, Umer; Nehdi, Immeddine Arbi; Choong, Thomas Shean Yaw
ENERGIES
8. Design and optimization of hybrid solar-hydrogen generation system using TRNSYS
Saleem, Muhammad Shoaib; Abas, Naeem; Kalair, Ali Raza; Rauf, Shoaib; Haider, Aun; Tahir, Muhammad Suleman; Sagir, Muhammad
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY
9. Community-Based Assessment of Knowledge, Attitude, Practices and Risk Factors Regarding COVID-19 Among Pakistanis Residents During a Recent Outbreak: A Cross-Sectional Survey
Afzal, Muhammad Sohail; Khan, Aisha; Qureshi, Ubaid Ur Rahman; Saleem, Sadia; Saqib, Muhammad Arif Nadeem; Shabbir, Rana Muhammad Kamran; Naveed, Muhammad; Jabbar, Muhammad; Zahoor, Sarmad; Ahmed, Haroon
JOURNAL OF COMMUNITY HEALTH
10. Contamination Level, Ecological Risk, and

- Source Identification of Heavy Metals in the Hyporheic Zone of the Weihe River, China
Ahamad, Muhammad Irfan; Song, Jinxi; Sun, Haotian; Wang, Xinxin; Mehmood, Muhammad Sajid; Sajid, Muhammad; Su, Ping; Khan, Asif Jamal
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH
11. The coronavirus (COVID-19) pandemic's impact on mental health
Javed, Bilal; Sarwer, Abdullah; Soto, Erik B.; Mashwani, Zia-ur-Rehman
INTERNATIONAL JOURNAL OF HEALTH PLANNING AND MANAGEMENT
12. Techno-economic optimization analysis of stand-alone renewable energy system for remote areas
Akram, Fareeha; Asghar, Furqan; Majeed, Muhammad Asghar; Amjad, Waseem; Manzoor, M. Owais; Munir, Anjum
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS
13. CO₂/CH₄ adsorption over functionalized multi-walled carbon nanotubes; an experimental study, isotherms analysis, mechanism, and thermodynamics
Mukhtar, Ahmad; Mellon, Nurhayati; Saqib, Sidra; Khawar, Anosha; Rafiq, Sikander; Ullah, Sami; Al-Sehemi, Abdullah G.; Babar, Muhammad; Bustam, Mohamad Azmi; Khan, Waqar Ali; Tahir, Muhammad Suleman
MICROPOROUS AND MESOPOROUS MATERIALS
14. Adaptive inertia weight Bat algorithm with Sugeno-Function fuzzy search
Rauf, Hafiz Tayyab; Malik, Sumbal; Shoaib, Umar; Irfan, Muhammad Naeem; Lali, M. Ikramullah
APPLIED SOFT COMPUTING
15. Is Pakistan's Response to Coronavirus (SARS-cov-2) Adequate to Prevent an Outbreak?
Javed, Bilal; Sarwer, Abdullah; Soto, Erik B.; Mashwani, Zia-ur-Rehman
FRONTIERS IN MEDICINE
16. Dynamics Insights Into the Gain of Flexibility by Helix-12 in ESRI as a Mechanism of Resistance to Drugs in Breast Cancer Cell Lines
Khan, Abbas; Ashfaq-Ur-Rehman; Junaid, Muhammad; Li, Cheng-Dong; Saleem, Shoaib; Humayun, Fahad; Shamas, Shazia; Ali, Syed Shujait; Babar, Zainib; Wei, Dong-Qing
FRONTIERS IN MOLECULAR BIOSCIENCES
17. Highly efficient Bi₂O₃/mos₂ p-n heterojunction photocatalyst for H₂ evolution from water splitting
Khalid, N. R.; Israr, Zainab; Tahir, M. B.; Iqbal, T.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY
18. Impact of Co doping on physical, structural, microstructural and magnetic features of mgzn nanoferrites for high frequency applications
Akhtar, Majid Niaz; Nazir, Muhammad Shahid; Tahir, Zaman; Qamar, Sabih; Khan, Muhammad Azhar
CERAMICS INTERNATIONAL
19. Food-grade particle stabilized pickering emulsion using modified sago (Metroxylon sagu) starch nanocrystal
Azfara Iariff, Ahmad; Fazial, Farah Faiqah; Sontanosamy, Regina Sisika; Nazar, Muhammad Faizan; Lazim, Azwan Mat
JOURNAL OF FOOD ENGINEERING
20. Synergistic effect of Bi-doped exfoliated mos₂ nanosheets on their bactericidal and dye degradation potential
Qumar, U.; Ikram, M.; Imran, M.; Haider, A.; Ul-Hamid, A.; Haider, J.; Riaz, K. N.; Ali, S.
DALTON TRANSACTIONS
21. Demand side management in hybrid rooftop photovoltaic integrated smart nano grid
Kalair, Ali Raza; Abas, Naeem; Ul Hasan, Qadeer; Seyedmahmoudian, Mehdi; Khan, Nasrullah
JOURNAL OF CLEANER PRODUCTION
22. Turn-on fluorescent glutathione detection based on lucigenin and mno₂ nanosheets
Halawa, Mohamed Ibrahim; Wu, Fengxia; Zafar, Muhammad Nadeem; Mostafa, Islam M.; Abdussalam, Abubakar; Han, Shuang; Xu, Guobao
JOURNAL OF MATERIALS CHEMISTRY B
23. Activated carbon doped WO₃ for photocatalytic degradation of rhodamine-B
Tahir, Muhammad Bilal; Ashraf, Maria; Rafique, Muhammad; Ijaz, Mohsin; Firman,

- Sohail; Mubeen, Iqra*
APPLIED NANOSCIENCESimple synthesis of
24. Ag-doped cds nanostructure material with excellent properties
Iqbal, Tahir; Ara, Gulshan; Khalid, N. R.; Ijaz, Mohsin
APPLIED NANOSCIENCE
25. Synthesis and characterization of metal sulphide nanoparticles to investigate the effect of nanoparticles on germination of soybean and wheat seeds
Afsheen, Sumera; Naseer, Hira; Iqbal, Tahir; Abrar, Muhammad; Bashir, Almas; Ijaz, Mohsin
MATERIALS CHEMISTRY AND PHYSICS
26. Eco-friendly green and biosynthesis of copper oxide nanoparticles using Citrofortunella microcarpa leaves extract for efficient photocatalytic degradation of Rhodamin B dye form textile wastewater
Rafique, Muhammad; Shafiq, Falak; Gillani, Syed Sajid Ali; Shakil, Muhammad; Tahir, Muhammad Bilal; Sadaf, Iqra
OPTIK
27. Synthesis, characterization, and biological screening of metal complexes of novel sulfonamide derivatives: Experimental and theoretical analysis of sulfonamide crystal
Sumrra, Sajjad H.; Hassan, Abrar U.; Imran, Muhammad; Khalid, Muhammad; Mughal, Ehsan U.; Zafar, Muhammad N.; Tahir, Muhammad N.; Raza, Muhammad A.; Braga, Ataulpa A. C.
APPLIED ORGANOMETALLIC CHEMISTRY
28. Evaluation of bazr0.8X0.2 (X= Y, Gd, Sm) proton conducting electrolytes sintered at low temperature for IT-SOFC synthesized by cost effective combustion method
Irshad, Muneeb; ul Ain, Qurat; Siraj, Khurram; Raza, Rizwan; Tabish, Asif Nadeem; Rafique, Muhammad; Idrees, Raazia; Khan, Fiaz; Majeed, Shahbaz; Ahsan, Muhammad
JOURNAL OF ALLOYS AND COMPOUNDS
29. Mechanistic insights into the degradation of trichloroethylene by controlled release nano calcium peroxide activated by iron species coupled with nano iron sulfide
Ali, Meesam; Danish, Muhammad; Tariq, Muhammad; Ahmad, Ayyaz; Ayub, Khurram Shahzad; Lyu, Shuguang
CHEMICAL ENGINEERING JOURNAL
30. COVID-19: Healthy environmental impact for public safety and menaces oil market
Tahir, Muhammad Bilal; Batool, Amber
SCIENCE OF THE TOTAL ENVIRONMENT
31. Characterization and adsorption performance of biochars derived from three key biomass constituents
Wan, Jiang; Liu, Lin; Ayub, Khurram Shahzad; Zhang, Wei; Shen, Genxiang; Hu, Shuangqing; Qian, Xiaoyong
FUEL
32. UHPLC-QTOF-MS/MS based phytochemical characterization and anti-hyperglycemic prospective of hydro-ethanolic leaf extract of Butea monosperma
Farooq, Muhammad Umar; Mumtaz, Muhammad Waseem; Mukhtar, Hamid; Rashid, Umer; Akhtar, Muhammad Tayyab; Raza, Syed Ali; Nadeem, Muhammad
SCIENTIFIC REPORTS
33. Efficacy of Zea mays L. For the management of marble effluent contaminated soil under citric acid amendment; morpho-physiological and biochemical response
Farid, Mujahid; Farid, Sheharyar; Zubair, Muhammad; Rizwan, Muhammad; Ishaq, Hafiz Khuzama; Ali, Shafaqat; Ashraf, Umair; Alhaithloul, Haifa Abdulaziz S.; Gawayed, Salah; Soliman, Mona H.
CHEMOSPHERE
34. Particle Swarm Optimization With Probability Sequence for Global Optimization
Rauf, Hafiz Tayyab; Shoaib, Umar; Lali, Muhammad Ikramullah; et al
IEEE ACCESS
35. A Review on Antibacterial Properties of Biologically Synthesized Zinc Oxide Nanostructures
Ijaz, Mohsin; Zafar, Maria; Islam, Atif; Afsheen, Sumera; Iqbal, Tahir
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS
36. Analysing the role of environment-related technologies and carbon emissions in emerging economies: a step towards sustainable development
Hussain, Muzzammil; Mir, Ghulam Mustafa; Usman, Muhammad; Ye, Chengang; Mansoor, Sadia
ENVIRONMENTAL TECHNOLOGY

37. Green Synthesis of tio₂ Nanoparticle Using Cinnamon Powder Extract and the Study of Optical Properties
Nabi, Ghulam; Raza, Waseem; Tahir, M. B.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS
38. Potential perspectives of biodegradable plastics for food packaging application-review of properties and recent developments
Din, Muhammad Imran; Ghaffar, Tayabba; Najeib, Jawayria; Hussain, Zaib; Khalid, Rida; Zahid, Hafsa
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT
39. Plant-mediated green synthesis of zinc oxide nanoparticles from Syzygium Cumini for seed germination and wastewater purification
Rafique, Muhammad; Tahir, Rabbia; Gillani, S. S. A.; Tahir, M. Bilal; Shakil, M.; Iqbal, T.; Abdellahi, M. O.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY
40. Re-investigation of the resource curse hypothesis: The role of political institutions and energy prices in BRIC countries
Hussain, Muzzammil; Ye, ZhiWei; Usman, Muhammad; Mir, Ghulam Mustafa; Usman, Ahmad; Rizvi, Syed Kumail Abbas
RESOURCES POLICY
41. Novel Au nano-grating for detection of water in various electrolytes
Ijaz, Mohsin; Aftab, Muhammad; Afsheen, Sumera; Iqbal, Tahir
APPLIED NANOSCIENCE
42. Nexus between corporate social responsibility and financial and non-financial sectors' performance: a non-linear and disaggregated approach
Shabbir, Malik Shahzad; Aslam, Ejaz; Irshad, Adil; Bilal, Kanwal; Aziz, Shahab; Abbasi, Bilal Ahmed; Zia, Sayma
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH
43. Role of cerium-doping in coFe₂O₄ electrodes for high performance supercapacitors
Nabi, Ghulam; Raza, Waseem; Kamran, Muhammad Arshad; Alharbi, Thamer; Rafique, Muhammad; Tahir, Muhammad Bilal; Hussain, Sajad; Khalid, N. R.; ul-Aain, Qurat; Malik, Nafisa; Ahmed, Rashid S.; Cao, C. B.
JOURNAL OF ENERGY STORAGE
44. Iron as electron donor for denitrification: The efficiency, toxicity and mechanism
Wang, Ru; Xu, Shao-Yi; Zhang, Meng; Ghulam, Abbas; Dai, Chen-Lin; Zheng, Ping
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY
45. Antidiabetic and antioxidant potential of Alnus nitida leaves in alloxan induced diabetic rats
Sajid, Moniba; Khan, Muhammad Rashid; Ismail, Hammad; Latif, Sara; Rahim, Amna Abdul; Mehboob, Ramsha; Shah, Sayed Afzal
JOURNAL OF ETHNOPHARMACOLOGY
46. Highly sensitive and selective non-enzymatic glucose detection based on indigo carmine/hemin/H₂O₂ chemiluminescence
Fereja, Tadesse Haile; Kitte, Shimeles Addisu; Zafar, Muhammad Nadeem; Halawa, Mohamed Ibrahim; Han, Shuang; Zhang, Wei; Xu, Guobao
ANALYST
47. Synthesis and characterization of poly(styrene-block-acrylic acid) diblock copolymer modified magnetite nanocomposite for efficient removal of penicillin G
Ghamkhari, Aliyeh; Mohamadi, Leili; Kazemzadeh, Sahar; Zafar, Muhammad Nadeem; Rahdar, Abbas; Khaksefidi, Razieh
COMPOSITES PART B-ENGINEERING
48. Breast Cancer Detection and Classification using Traditional Computer Vision Techniques: A Comprehensive Review
Zahoor, Saliha; Lali, Ikram Ullah; Khan, Muhammad Attique; Javed, Kashif; Mehmood, Waqar
CURRENT MEDICAL IMAGING
49. Accumulation potential and tolerance response of Typha latifolia L. Under citric acid assisted phytoextraction of lead and mercury
Amir, Waqas; Farid, Mujahid; Ishaq, Hafiz Khuzama; Farid, Sheharyar; Zubair, Muhammad; Alharby, Hesham F.; Bamagoos, Atif A.; Rizwan, Muhammad; Raza, Nighat;

- Hakeem, Khalid Rehman; Ali, Shafaqat
CHEMOSPHERE
50. Integrated neuro-evolution-based computing solver for dynamics of nonlinear corneal shape model numerically
Ahmad, Iftikhar; Raja, Muhammad Asif Zahoor; Ramos, Higinio; Bilal, Muhammad; Shoaib, Muhammad
NEURAL COMPUTING & APPLICATIONS
51. Effective Adsorptive Removal of Methylene Blue from Water by Didodecyldimethylammonium Bromide-Modified Brown Clay
Munir, Muhammad; Nazar, Muhammad Faizan; Zafar, Muhammad Nadeem; Zubair, Muhammad; Ashfaq, Muhammad; Hosseini-Bandegharaei, Ahmad; Khan, Salah Ud-Din; Ahmad, Ashfaq
ACS OMEGA
52. Boosted up stability and activity of oxygen vacancy enriched $\text{RuO}_2/\text{MnO}_3$ mixed oxide composite for oxygen evolution reaction
Tariq, Muhammad; Wu, Yiyi; Ma, Chenglong; Ali, Meesam; Zaman, Waqas Qamar; Abbas, Zain; Ayub, Khurram Shahzad; Zhou, Jiacheng; Wang, Gehui; Cao, Li-mei; Yang, Ji
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY
53. Impact of SARS-cov-2 (Coronavirus) Pandemic on Public Mental Health
Javed, Bilal; Sarwer, Abdullah; Soto, Erik B.; Mashwani, Zia-ur-Rehman
FRONTIERS IN PUBLIC HEALTH
54. COVID-19: A threat to educated Muslim women's negotiated identity in Pakistan
Safdar, Muhammad; Yasmin, Musarat
GENDER WORK AND ORGANIZATION
55. Efficient synthesis, characterization, and in vitro bactericidal studies of unsymmetrically substituted triazole-derived Schiff base ligand and its transition metal complexes
Sumrra, Sajjad H.; Sahrish, Ifza; Raza, Muhammad A.; Ahmad, Zahoor; Zafar, Muhammad N.; Chohar, Zahid H.; Khali, Muhammad; Ahmed, Saeed
MONATSHFTE FÜR CHEMIE
56. Artificial Neural Network Based Ensemble Approach for Multicultural Facial Expressions Analysis
Ali, Ghulam; Ali, Amjad; Ali, Farman; Draz, Umar; Majeed, Fiaz; Yasin, Sana; Ali, Tariq; Haider, Noman
IEEE ACCESS
57. Photocatalytic degradation of rhb from an aqueous solution using $\text{Ag}_3\text{PO}_4/\text{N-tio}_2$ heterostructure
Khalid, N. R.; Mazia, Ummay; Tahir, M. B.; Niaz, N. A.; Javid, Muhammad Arshad
JOURNAL OF MOLECULAR LIQUIDS
58. Design of 3 kw integrated power generation system from solar and biogas
Tamoor, Muhammad; Tahir, M. Suleman; Sagir, Muhammad; Tahir, Muhammad Bilal; Iqbal, Shahid; Nawaz, Tasmia
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY
59. Green synthesis of magnesium oxide nanoparticles using Dalbergia sissoo extract for photocatalytic activity and antibacterial efficacy
Khan, Muhammad Isa; Akhtar, Muhammad Naseem; Ashraf, Naveed; Najeeb, Jawayria; Munir, Hira; Awan, Tahir Iqbal; Tahir, Muhammad Bilal; Kabli, Mohammad Reda
APPLIED NANOSCIENCE
60. Theoretical study of the structural, electronic and magnetic properties of equiatomic quaternary cotccrz ($Z = \text{Si, Ge, P}$) Heusler alloys
Zafar, M.; Sadia, Halima; Rizwan, M.; Arshad, Hafsa; Ahmad, Shabbir; Gillani, S. S. A.; Islah-u-din; Bao, Cao Chuan; Wei, Xiao-Ping; Shakil, M.
CHINESE JOURNAL OF PHYSICS
61. Lead availability and phytoextraction in the rhizosphere of Pelargonium species
Manzoor, Maria; Gul, Iram; Manzoor, Aamir; Kamboh, Usman Rauf; Hina, Kiran; Kallerhoff, Jean; Arshad, Muhammad
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH
62. Assessment of 2H-sic based intercalation compound for use as anode in lithium ion batteries
Majid, Abdul; Fatima, Syeda Afrinish; Khan, Salah Ud-Din; Almutairi, Zeyad Ammar
CERAMICS INTERNATIONAL
63. A DFT study on a borophene/boron nitride interface for its application as an electrode
Khan, Muhammad Isa; Majid, Abdul; Ashraf, Naveed; Ullah, Irfan
PHYSICAL CHEMISTRY CHEMICAL

- PHYSICS
64. Green synthesis of tio₂ nanoparticles using lemon peel extract: their optical and photocatalytic properties
Nabi, Ghulam; Qurat-Ul-Ain; Tahir, M. Bilal; Riaz, Khalid Nadeem; Iqbal, Tahir; Rafique, Muhammad; Hussain, Sajad; Raza, Waseem; Aslam, Imran; Rizwan, Muhammad
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY
65. Di-block copolymer stabilized methyl methacrylate based polyhypes: Influence of hydrophilic and hydrophobic co-monomers on morphology, wettability and thermal properties
Azhar, Umair; Yaqub, Rimsha; Li, Huateng; Abbas, Ghulam; Wang, Yongkang; Chen, Jian; Zong, Chuanyong; Xu, Anhou; Zhang Yabin; Zhang, Shuxiang; Geng, Bing
ARABIAN JOURNAL OF CHEMISTRY
66. Titania nano-fibers: A review on synthesis and utilities
Altaf, Ataf Ali; Ahmed, Muneeb; Hamayun, Muhammad; Kausar, Samia; Waqar, Muhammad; Badshah, Amin
INORGANICA CHIMICA ACTA
67. Characterization of antifungal metabolites produced by *Lactobacillus plantarum* and *Lactobacillus coryniformis* isolated from rice rinsed water
Bukhari, Shazia Anwer; Salman, Mahwish; Numan, Muhammad; Javed, Muhammad Rizwan; Zubair, Muhammad; Mustafa, Ghulam
MOLECULAR BIOLOGY REPORTS
68. Impact of amino acids, organic solvents and surfactants on azo-hydrazone tautomerism in Methyl Red: spectral-luminescent and nonlinear optical properties
Sharifi, Soheil; Nazar, Muhammad Faizan; Rakhshanizadeh, Forough; Sangsefedi, Seyed Ahmad; Azarpour, Afshin
OPTICAL AND QUANTUM ELECTRONICS
69. Synergistic response of physicochemical reaction parameters on biogenesis of silver nanoparticles and their action against colon cancer and leishmanial cells
Javed, Bilal; Mashwani, Zia-ur-Rehman; Sarwer, Abdullah; Raja, Naveed Iqbal; Nadhman, Akhtar
ARTIFICIAL CELLS NANOMEDICINE AND
- BIOTECHNOLOGY
70. Titanium dioxide nanostructures as efficient photocatalyst: Progress, challenges and perspective
Ijaz, Mohsin; Zafar, Maria
INTERNATIONAL JOURNAL OF ENERGY RESEARCH
71. Exact solitary wave solutions of fractional modified Camassa-Holm equation using an efficient method
Zulfiqar, Aniq; Ahmad, Jamshad
ALEXANDRIA ENGINEERING JOURNAL
72. MHD stagnation point flow of a Casson fluid with variable viscosity flowing past an extending/shrinking sheet with slip effects
Hussain, Azad; Afzal, Sana; Rizwana, Rizwana; Malik, M. Y.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS
73. Protease-A Versatile and Ecofriendly Biocatalyst with Multi-Industrial Applications: An Updated Review
Naveed, Muhammad; Nadeem, Fareeha; Mehmood, Tahir; Bilal, Muhammad; Anwar, Zahid; Amjad, Fazeeha
CATALYSIS LETTERS
74. Efficacy of fenugreek plant for ascorbic acid assisted phytoextraction of copper (Cu); A detailed study of Cu induced morpho-physiological and biochemical alterations
Fatima, Arooj; Farid, Mujahid; Alharby, Hesham F.; Bamagoos, Atif A.; Rizwan, Muhammad; Ali, Shafaqat
CHEMOSPHERE
75. Electronic, structural and optical properties of batio₃ doped with lanthanum (La): Insight from DFT calculation
Rizwan, Muhammad; Hajra, Zeba, I.; Shakil, Muhammad; Gillani, S. S. A.; Usman, Zahid
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76. Efficacy of *Alternanthera bettzickiana* to Remediate Copper and Cobalt Contaminated Soil Physiological and Biochemical Alterations
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Dr. Shazia Kiyani, Yasir Munir
ISLAMABAD ISLAMICUS
568. Islamic and Conventional Bioethics: Concept, Scope and Application in Pakistani Perspective
Dr. Shazia Kiyani, Yasir Munir, Dr. Muhammad Mumtaz Ali Khan
AL-QAMAR

Book Chapters

1. Dr. Hammad Ismail
Assistant Professor
Biochemistry & Biotechnology
Title of Book: Lactuca cultivation and uses
Title of the Book Chapter: Lactuca sativa: an edible source of medicinal benefits
Authors: Ismail, H., Latif, S., Ijaz, F. and Dilshad, E.
Publisher: Nova Science
Year of Publication: 2020
2. Dr. Hammad Ismail
Assistant Professor
Biochemistry & Biotechnology
Title of Book: Lactuca cultivation and uses
Title of the Book Chapter: Strategies for genetic transformation of Lactuca sativa
Authors: Dilshad, E., Ismail, H., Waheed, H., Maaz, M. and Khurshaid, Z.
Publisher: Nova Science
Year of Publication: 2020
3. Dr. Hira Munir
Assistant Professor
Biochemistry & Biotechnology
Title of Book: Microbial Biofilms: Properties and Applications in the Environment
Title of the Book Chapter: Potentialities of Medicinal Plant Extracts Against Biofilm-forming Bacteria
Authors: Muhammad Bilal, Hira Munir and Hafiz Muhammad Nasir Iqbal
Publisher: Nova Science CRC Press, Taylor and Francis Group
Year of Publication: 2020
4. Dr Muhammad Waseem Mumtaz
Assistant Professor, Chemistry
Title of Book: Applications of Nanotechnology for Green Synthesis
Title of the Book Chapter: Green Synthesis of Biodiesel Using Microbial Lipases
Authors: Aroosh Shabbir, Hamid Mukhtar, Muhammad Waseem Mumtaz, and Umer Rashid
Publisher: Springer; ISBN 978-3-030-44175-3, https://doi.org/10.1007/978-3-030-44175-0_15
Year of Publication: 2020
- 5.. Dr Muhammad Waseem Mumtaz
Assistant Professor, Chemistry
Title of Book: Black cumin (Nigella sativa) seeds: Chemistry, Technology, Functionality, and Application
Title of the Book Chapter: Composition of Nigella sativa Seeds
Authors: Hamid Mukhtar, Muhammad Waseem Mumtaz, Tooba Tauqeer, Syed Ali Raza
Publisher: Springer; ISBN 978-3-030-48797-3, <https://doi.org/10.1007/978-3-030-48798-0>
Year of Publication: 2020
6. Prof Dr Audil Rashid
Professor, Botany
Title of Book: In Antibiotics and Antimicrobial Resistance Genes
Title of the Book Chapter: Antibiotics Use in Hospitals and Their Presence in the Associated Waste
Authors: Riaz, L., Yang, Q., Sikandar, A., Safeer, R., Anjum, M., Mahmood, T., Rehman, M.S.U., Rashid, A. and Yuan, W.,
Publisher: Springer
Year of Publication: 2020
7. Dr Kiran Hina
Associate Prof, Environmental Sciences
Title of Book: Bioremediation for Environmental Sustainability, Approaches to tackle pollution for cleaner and greener society
Title of the Book Chapter: Recent advances in phytoremediation of heavy metals contaminated soils: A Review
Authors: RG, Jilani, I.H., Shamsi, D., Zhang, K, Hina.
Publisher: Elsevier
Year of Publication: 2020
8. Dr Kiran Hina
Associate Prof, Environmental Sciences
Title of Book: Soil and Groundwater Remediation Technologies: A Practical guide.
Title of the Book Chapter: Arsenic removal from water using biochar based sorbents: Production, characterization and sequestration mechanisms.
Authors: Rabia, A., H. Bashir, I. Bibi, M.M. Hussain, S.M. Shaheen, M. Shahid, M.B. Shakoor, K. Hina, Wang, J. Bundschuh, Y.S. Ok, J. Rinklebe, N.K. Niazi
Publisher: Taylor and Francis
Year of Publication: 2020
9. Dr. Mujahid Farid
Assistant Professor, Environmental Sciences

- Title of Book:** Plant Ecophysiology and Adaptation under Climate Change: Mechanisms and Perspectives I.
Title of the Book Chapter: Loss of Agro-Biodiversity and Productivity Due to Climate Change in Continent Asia: A Review
Authors: Arooj Fatima, Farid, M*, Safdar, K., Fayyaz, A., Ali, S.M., Adnan, S., Nawaz, M., Munir, H., Raza, N, Zubair, Z
Publisher: Springer Nature Singapore Pte Ltd.
Year of Publication: 2020
10. Dr. Mujahid Farid
Assistant Professor, Environmental Sciences
Title of Book: In Antibiotics and Antimicrobial Resistance Genes Plant Ecophysiology and Adaptation under Climate Change: Mechanisms and Perspectives II
Title of the Book Chapter: Phytoremediation Potential of Oilseed Crops for Lead- and Nickel-Contaminated Soil.
Authors: Huda Ashfaq, Abubakar, M., Ghulzar, H., Farid, M*, Yaqoob, S., Komal, N., Azam, Z., Hamza, A., Ali, S., Adrees, M.
Publisher: Springer Nature Singapore Pte Ltd.
Year of Publication: 2020
11. Dr. Mujahid Farid
Assistant Professor, Environmental Sciences
Title of Book: Plant Ecophysiology and Adaptation under Climate Change: Mechanisms and Perspectives II
Title of the Book Chapter: Biochar: A Sustainable Product for Remediation of Contaminated Soils.
Authors: Amina Sajjad, Jabeen, F., Farid, M*, Fatima, Q., Akbar, A., Ali, Q., Hussain, I., Iftikhar, U., Farid, S., Ishaq, H.K
Publisher: Springer Nature Singapore Pte Ltd.
Year of Publication: 2020
12. Dr. Mujahid Farid
Assistant Professor, Environmental Sciences
Title of Book: Plant Ecophysiology and Adaptation under Climate Change: Mechanisms and Perspectives II
Title of the Book Chapter: Current Trends of Phytoremediation in Wetlands: Mechanisms and Applications
Authors: Zarq Ezaz, Azhar, R., Rana, A., Ashraf, S., Farid, M*, Mansha, A., Naqvi, S.A.R., Zahoor, F.A., Rasool, N.
Publisher: Springer Nature Singapore Pte Ltd.
Year of Publication: 2020
13. Dr. Mujahid Farid
Assistant Professor, Environmental Sciences
Title of Book: Agronomic Crops - Volume 3: Stress responses and Tolerance
Title of the Book Chapter: Rice production, augmentation, escalation and yield under water stress.
Authors: Umeed Maalik, Farid, M*, Zubair, M., Ali, S., Rizwan, M., Shafqat, M., Ishaq, H.K.
Publisher: Springer Nature Singapore Pte Ltd.
Year of Publication: 2020
14. Dr. Mujahid Farid
Assistant Professor, Environmental Sciences
Title of Book: Agronomic Crops - Volume 3: Stress responses and Tolerance
Title of the Book Chapter: Response of Major Food Crops under Drought Stress; physiological and biochemical response.
Authors: Sana Bakht, Safdar, K., Khair, K.U., Fatima, A., Fayyaz, A., Ali, S.M., Munir, H., Farid, M*.
Publisher: Springer Nature Singapore Pte Ltd.
Year of Publication: 2020
15. Dr. Tahir Iqbal
Assistant Professor, Physics
Title of Book: Chemistry of Nanomaterials: Fundamentals and Applications'
Authors: Tahir Iqbal Awan, Almas Bashir and Aqsa Tehseen .
Publisher: Elsevier Publisher (ISBN # 978-0-12-818908-5).
Year of Publication: 2020
16. Dr. Tahir Iqbal
Assistant Professor, Physics
Title of Book: Concept of Nuclear Physics
Authors: Muhammad Bani Amin, Tahir Iqbal Awan and Muhammad Bilal Tahir
Publisher: Ilmi kitab Khana Urdu Bazar Lahore, PAKISTAN
Year of Publication: 2020
17. Dr. Tahir Iqbal
Assistant Professor, Physics
Title of Book: Nanotechnology and Photocatalysis for Environmental applications,
Title of the Book Chapter: Nanomaterials for Photocatalysis
Authors: Muhammad Bilal Tahir, Tahir Iqbal, Muhammad Rafique, Muhammad Shahid Rafiq, Tasmia Nawaz, Muhammad Sagir
Publisher: Elsevier Publisher, DOI:

<https://www.elsevier.com/books/nanotechnology-and-photocatalysis-for-environmental-applications/tahir/978-0-12-821192-2>

Year of Publication: 2020

18. Dr. Tahir Iqbal
Assistant Professor, Physics
Title of Book: Nanotechnology and Photocatalysis for Environmental Applications
Title of the Book Chapter: Carbonaceous Nanomaterials as a Photocatalyst
Authors: Muhammad Bilal Tahir, N. R. Khalid, Muhammad Rafique, Tahir Iqbal, Muhammad Shahid Rafiq, Adeel Ahmed
Publisher: Elsevier Publisher, DOI: <https://www.elsevier.com/books/nanotechnology-and-photocatalysis-for-environmental-applications/tahir/978-0-12-821192-2>
Year of Publication: 2020
19. Dr Muhammad Shakil
Assistant Professor, Physics
Title of Book: Nanotechnology and

Photocatalysis for Environmental Applications.

Title of the Book Chapter: Photocatalytic nanomaterials for air purification and self-cleaning

Authors: Muhammad Shahid Rafiquea , Muhammad Bilal Tahirb , Muhammad Rafiquec , and M. Shakilb

Publisher: Elsevier

Year of Publication: 2020

20. Dr. Syed Zakir Hussain Shah
Assistant Professor, Zoology

Title of Book: Microbial Biofilms: Properties and Applications in the Environment, Agriculture, and Medicine

Title of the Book Chapter: Biofilms in Aquaculture

Authors: Mahroze Fatima, Syed Zakir Hussain Shah, Muhammad Bilal

Publisher: CRC Press

Year of Publication: 2020



PhD Degrees Awarded

| S# | Name | Subject | Thesis |
|----|-----------------------------|-----------|--|
| 1 | Tahir Iqbal | BMB | MOLECULAR CHARACTERIZATION OF AVIAN HEPATITIS E VIRUS FROM PAKISTAN |
| 2 | Awais Asif | BMB | IN-VITRO AND IN-VIVO ANTIGLYCATION AND ANTIOXIDANT STUDIES OF EXTRACTS FROM FOLK PLANT (S) USED IN TREATMENT OF DIABETES MELLITUS TO INHIBIT ADVANCED GLYCATION END PRODUCTS |
| 3 | Naghmana Kuasar | Chemistry | SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF BENZOHYDRAZIDE DERIVATIVES |
| 4 | Muhammad Nadeem | Chemistry | MOLECULAR GENOTYPING AND MONITORING OF ANTIMALARIAL DRUG RESISTANCE OF MALARIA IN FATA REGION OF KHYBER PAKHTUNKHWA, PAKISTAN |
| 5 | Muhammad Munir | Chemistry | NATURAL AND MODIFIED CLAYS FOR REMOVAL OF ORGANIC POLLUTANTS FROM WATER |
| 6 | Muhammad Atif Saleem | Chemistry | MICROEMULSION MEDIATED SYNTHESIS OF NANODRUGS FOR IMPROVED PHARMACEUTICAL FORMULATIONS |
| 7 | Mehwish Abid | Chemistry | DESIGNING AND FABRICATION OF THERMO / PH RESPONSIVE HYDROGELS FOR ENCAPSULATION OF ANTICANCER DRUGS |
| 8 | Tanveer Ahmed Naveed | Economics | MEASUREMENT AND DETERMINANTS OF HUMAN DEVELOPMENT DISPARITIES AT HOUSEHOLD LEVEL IN PUNJAB (PAKISTAN): AN EVIDENCE FROM SURVEY |
| 9 | Syed Badar Ul Husnain Rizvi | Economics | EVALUATING EFFICIENCY OF DISTRIBUTION COMPANIES IN POST REFORMS ELECTRICITY MARKET IN PAKISTAN |
| 10 | Moniba Sana | Economics | A SECTORAL STUDY ON GLOBALIZATION, GENDER BASED GAPS AND EMPLOYMENT SHIFTS IN LABOR MARKET OF PAKISTAN |
| 11 | Abre Rehmat Qurat Ul Ain | Economics | HOUSEHOLD ENERGY POVERTY IN PAKISTAN: AN EMPIRICAL INVESTIGATION OF DIMENSIONS AND DETERMINANTS |
| 12 | Mr. Khurram Shahzad | Economics | AN EMPIRICAL STUDY ON DISAGGREGATED EXCHANGE RATE PASS-THROUGH, TRADE DISCONNECT AND SECOND ROUND EFFECT OF IMPORTED INFLATION IN PAKISTAN |
| 13 | Faisal Munir | Economics | MEASUREMENT AND DETERMINANTS OF HORIZONTAL INEQUALITIES IN PAKISTAN: AN EMPIRICAL ANALYSIS BY USING MICRO DATA |
| 14 | Zarfshan Shabbir | Education | EFFECTIVENESS OF EDUCATIONAL MANAGERS IN PUBLIC SECTOR UNIVERSITIES OF PUNJAB, PAKISTAN |
| 15 | Atia Arshad | Education | MEASURING SECONDARY SCHOOL STUDENTS' ENGLISH LANGUAGE WRITING COMPETENCY THROUGH ASSESSMENT TASKS ALIGNED WITH CURRICULUM |
| 16 | Azmat Farooq Ahmad Khurram | Education | EFFECT OF METACOGNITIVE INSTRUCTIONAL STRATEGIES ON PROSPECTIVE TEACHERS' METACOGNITIVE ABILITIES AND CONCEPTUAL UNDERSTANDING IN SCIENCE |
| 17 | Mehwish Noor | English | DEVELOPING TEMPLATES FOR ACADEMIC DISCOURSE: STRUCTURAL AND FUNCTIONAL ANALYSIS OF LEXICAL BUNDLES |

| S# | Name | Subject | Thesis |
|----|-----------------------|------------------------|--|
| 18 | Sarfraz Hussain Saeed | Islamic Studies | بیسویں صدی کی منتخب مسلم مفکرین کے تعلیمی نظریات کا تجزیاتی مطالعہ |
| 19 | Muhammad Saqib | Mathematics | NUMERICAL METHODS FOR BIPOLAR FUZZY DIFFERENTIAL EQUATIONS |
| 20 | Ayesha Siddiqua | MCM | A COMPARATIVE ANALYSIS OF CONFLICT REPORTING ON KASHMIR ISSUE IN PAKISTAN AND INDIAN PRESS |
| 21 | Haroon Elahi | MCM | COMPARATIVE STUDY OF PRESS FREEDOM DURING THE MILITARY AND POLITICAL REGIMES IN PAKISTAN |
| 22 | Amna Zulfiqar | MCM | PORTRAYAL OF CIVIL-MILITARY RELATIONS IN PAKISTANI PRESS DURING RAHEEL SHARIF REGIME |
| 23 | Shabaz Khan | Physics | STUDY OF ACTIVATED CARBON BASED CONDUCTING POLYMER COMPOSITES FOR ELECTROCHEMICAL ENERGY DEVICES |
| 24 | Abdur Rehman | Political Science & IR | A STUDY OF IRANIAN ROLE IN ECONOMIC COOPERATION ORGANIZATION (ECO) |
| 25 | Namra Shahzadi | Psychology | PORTRAYAL OF CIVIL-MILITARY RELATIONS IN PAKISTANI PRESS DURING RAHEEL SHARIF REGIME |



Research Journals

Pakistan Journal of Languages and Translation Studies (PJLTS)

ISSN (Print): 2410-1230

ISSN (Online): 2519-5042

HEC Recognized Journal

The Pakistan Journal of Languages and Translation Studies (PJLTS) is an annual blind peer reviewed publication of the University of Gujrat, Pakistan. PJLTS is also included in the University Grants Commission's List of approved journals in India with other reputed national and international journals in the field of Translation Studies. The prime objective of this journal is to provide the research scholars an independent and trans-disciplinary forum for discourse on issues in Translation, Linguistics and related disciplines. It deals with the rising questions in Theoretical and Applied Translation. The trans-disciplinary nature of Translation Studies encourages researchers from the fields of Art and History of Translation and its applications in various fields of knowledge and human endeavour, Linguistics, Language Learning, Comparative Literature, Literary History and Theory, Computational Linguistics, Machine Translation, Localization, Arts, Humanities and Social Science. We welcome research articles, empirical reports, reviews from the authors interested in any of these areas.

Pakistan Journal of Social Issues

Annual Research Journal of the University of Gujrat

ISSN: 2219-2433

The Pakistan Journal of Social Issues (PJSI) is an annual publication of the University of Gujrat aimed at providing an independent interdisciplinary forum for discourse on significant social science research and policy issues. It deals with questions of social justice broadly defined. The articles discuss particular social science or humanities issues, review conceptual problems, present empirical reports and debate policy alternatives. The journal encourages authors to discuss their research experiences and debate whether these experiences feed into an increased understanding of the research realm. We welcome papers in the field of social sciences and humanities, including sociology, psychology, political science, anthropology, history, philosophy, economics, public health, education, statistics, management, law and linguistics.

Hayatian Journal of Linguistics and Literature

ISSN: 2521-568X

Hayatian Journal of Linguistics and Literature (HJLL) is a double-blind peer-reviewed journal published annually by the Department of English, University of Gujrat, Pakistan. With its wider scope, the journal covers a variety of areas in linguistics and literature with a view to promoting the current debates and the emerging trends in the fields of inquiry internationally. HJLL is a premier source of the exchange of information, experiences, and ideas in linguistics and literature. HJLL encourages the original submissions of the research that meets the standards of academic excellence and significantly adds to our understanding of the current theoretical, empirical and practical issues.

Business and Management Perspectives

Business and Management Perspectives (BMP) is a research journal of the Department of Management Sciences, University of Gujrat. Business and Management Perspectives is a double-blind peer-reviewed journal and publishes twice a year, in June and December. BMP publishes groundbreaking contemporary perspectives in business and management having theoretical and practical implications.

BMP aims to publish theoretical, empirical, and methodological contributions in the areas of:

- Marketing
- Management
- Entrepreneurship
- Finance and accounting

The journal also accepts systematic reviews and meta-analyses. Submissions may range from micro to macro organizational perspectives. And also, BMP is not method biased.

Pakistan Journal of Engineering

ISSN: 2706-9648

Pakistan Engineering Council (PEC) took the initiative of launching a research and technical journal covering the engineering and technology domain, emphasizing knowledge advancement and creativity through genuine research. Pakistan Journal of Engineering is a technical journal covering the entire engineering regime with a major focus on the genuine research contribution in advancing knowledge and innovative solutions. It is covering technical, management and policy related

topics in all disciplines and sub-sectors of engineering. In order to cover the wider base of engineering sector, the journal may be split into different streams and/or sequels. This will help in enhancing the frequency of the journal.

Journal of Educational Perspectives

The Journal of Educational Perspectives (JEP) is double blind peer-reviewed journal in the field of Education. The journal is bi-annual, published in June and December. It is aimed at providing an independent forum for discourse on significant research and policy

issues related to education. Research articles accepted for publication are double-blind refereed to ensure the academic quality. The journal covers different educational areas like meta-analyses of educational studies, effectiveness of teaching methods, historical evaluation of textbook standards, etc. Moreover, the journal targets insightful explorations of new educational concepts and accepted educational practices. The journal, however, prefers to publish articles whose primary purpose is to report the methods and results of an empirical study.



Funding Agencies for R&D

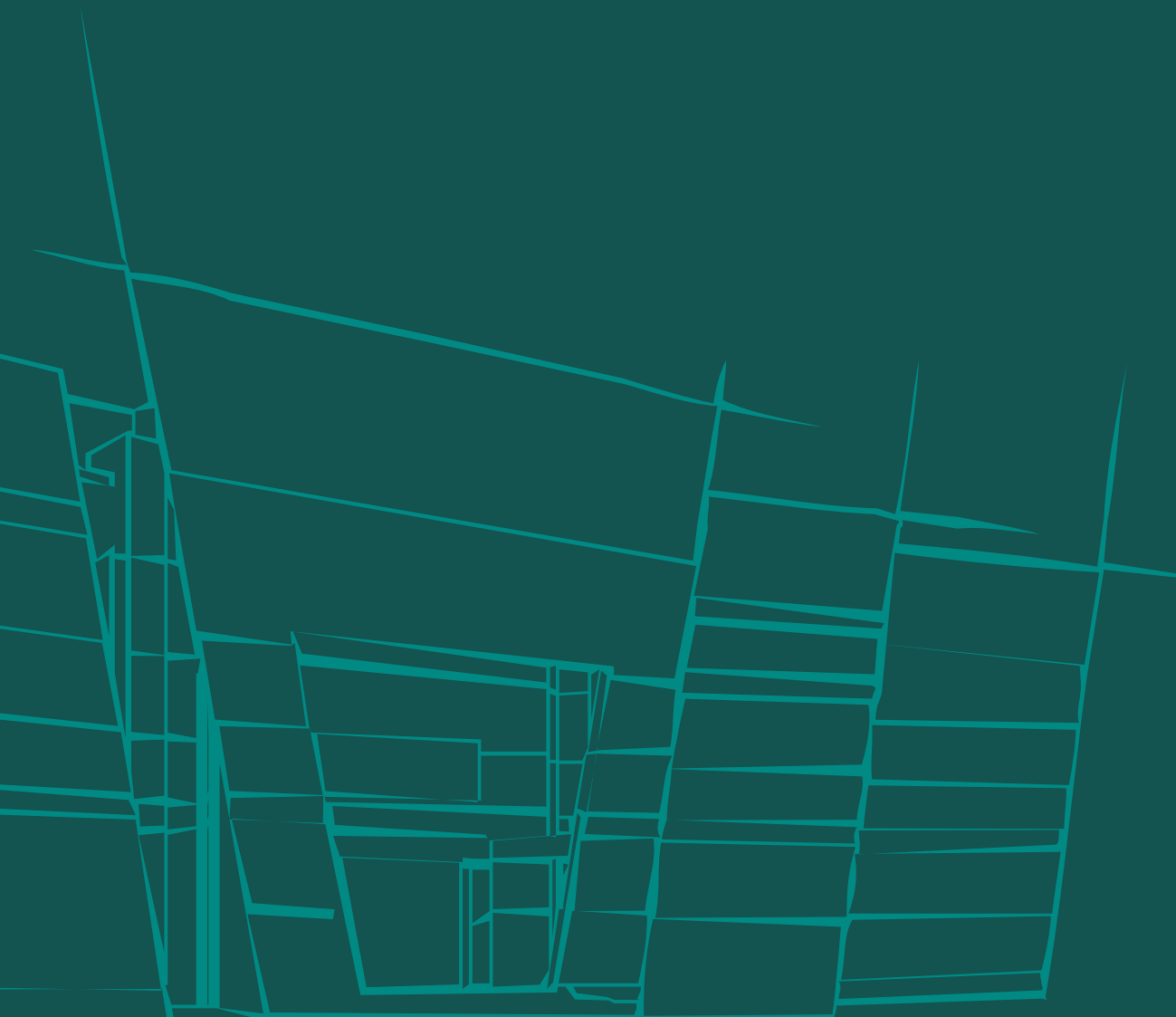
The faculty members have carried out their research and development projects with the help of national and international donor agencies. The UOG Office of Research, Innovation & Commercialization (ORIC) has approached the donor agencies for arranging funds according to the prescribed lines of Higher Education Commission (HEC). These donor agencies provided funds according to their area of interest in research. The list of funding Agencies is as follows:

- Higher Education Commission of Pakistan (HEC)
- Punjab Higher Education Commission (PHEC)
- Pakistan Science Foundation (PSF)
- Ignite /National ICT R&D Fund
- Pak-US Joint Academic & Research Program
- TWAS-COMSTECH Joint Research Grants
- Human Frontier Science Program
- International Foundation for Science (IFS)
- Research & Advocacy Fund
- Talented Researcher Exchange Program (TRXP)
- Academy of Finland
- Alexander von Humboldt Foundation
- Australian Agency for International Development (AusAID)
- East WEST center
- European Research Council (ERC)
- EU Funding and Grants
- International Development Research Center
- Japan International Cooperation Agency (JICA)
- Sigma xi – The Scientific Research Society
- The Asia Foundation
- UN Economic and Social Commission for Asia and Pacific
- The Islamic Educational, Scientific & Cultural Organization (ISESCO)
- Environment Protection Department, Punjab
- Punjab Agricultural Research Board
- Agricultural Linkages Program
- European Union (EU)/ Erasmus programme
- World Health Organization (WHO)
- ActionAid
- Asian Development Bank (ADB)
- Canadian International Development Agency (CIDA)
- Department for International Development (DFID)
- International Water and Sanitation Centre (IRC)
- U.S. Agency for International Development (USAID)
- United Nations Educational, Scientific and Cultural Organization (UNESCO)
- United Nations Development Programme (UNDP) COMSTECH-WHO/EMRO Research Grants Program
- COMSTECH-TWAS Program for Young Scientists in OIC
- COMSTECH-IFS Research Grants Program
- CORDIS
- DAAD Research Grants for Young Faculty of Pakistani Universities (PhD-students and postdoc
- Pakistan-US Science and Technology Cooperation Program
- SSRC Fellowships & Grants
- Small scale research grants for university students in Pakistan
- Pakistan Endocrine Society
- Swedish South Asian Studies Network
- Pak-US Joint Academic & Research Program
- Pakistan Strategy Support Program
- TWAS-COMSTECH Joint Research Grants
- Fogarty International Center
- WWF Student Research Grant Programme
- Pakistan Academy of Science
- USIP Grants for Pakistan
- British Council (UK)
- Research and Advocacy Fund
- US Government Small Grant Funding Opportunities
- Global Investigator-Initiated Research (IIR) Program
- GEF Small Grants Program Pakistan
- ICGEB Research Grants
- Deutsche Gesellschaft Fur Technische Zusammenarbeit (GTZ)
- Food and Agriculture Organization of the United Nations (FAO)
- International Centre for Agricultural Research in the Dry Areas (ICARDA)
- International Centre for Science and High Technology (ICS)
- Islamic Development Bank (IDB)
- United Nations Environment Programme (UNEP)
- Pakistan Council for Science and Technology (PCST)



Chapter-3

Quality Assurance



Introduction

The Quality Enhancement Cell (QEC) was established on January 3, 2008 in phase III of QEC's Establishment as per Quality Assurance Agency (QAA) guidelines (Higher Education Commission). The QEC at the University of Gujrat is one of the largest QECs in the public sector universities in Pakistan. The QEC's function is to promote quality culture in higher education by ascertaining quality standards and continuous enhancement of the quality parameters. The QEC has undertaken the responsibility of quality assurance and enhancement with a great commitment and devotion. The cell has secured its position in the W category in the HEC ranking since the inception of the quality cell.

Quality Assurance Practices

The QEC has established a vibrant and robust mechanism for implementing quality processes and procedures at the UOG. It has achieved targets of

implementation of quality assuring practices at the UOG. The university is being led by a dynamic leader with a great potential to foresee the impact of quality in education. His innovative approaches have earned applause from all quarters of the UoG and QAA of the HEC.

Quality enhancement practices at the UOG include feedback surveys, program reviews, periodic assessment, auditing of courses, monitoring of classes and examinations, training and workshops to promote quality culture. The feedback mechanism comprises of student course evaluation, faculty course review, survey of graduating students, research student's progress review, faculty survey, Alumni survey, Teachers' Evaluation survey and survey of departments offering the PhD. program. The input thus obtained from different stakeholders is subjected to statistical analysis, which is then utilized in academic decision-making improvement. Feedback on various QEC Surveys is reported below:

| Sr. # | Type of evaluation | Overall score | Frequency per year |
|-------|-----------------------------|---------------|--------------------|
| 01 | Students Course Evaluation | 4.02/5.00 | Twice |
| 02 | Faculty Course Review | 4.55/5.00 | Twice |
| 03 | Graduating Students Survey | 3.83/4.00 | Once |
| 04 | Faculty Satisfaction Survey | 3.66/5.00 | Once |
| 05 | Employer Survey | 3.99/5.00 | Once |
| 06 | Students Teacher Evaluation | 4.01/5.00 | Once |

The review process comprises of self-reviews performed at departmental level, peer review of programs by experts of national repute, and external review by quality assurance bodies to assess our strengths and enhance our capabilities. The program appraisal includes a review of program objectives, outcomes, curriculum, institutional facilities, and institutional support through a systemized process of Self Assessment of Programs. This periodic assessment ensures continuous improvement in the program segments evaluated by assessment teams, clearly indicating the areas that need improvement. The assessment team has reviewed more than 94 % programs offered at the HHC. The QEC has also extended its activities at sub campuses and established the QEC at affiliated colleges.

Membership and Accreditations

The QEC has acquired membership of the International Network for Quality Assurance Agencies in Higher Education (INQAHEE), APQN and PCTN in order to develop academic standards, review existing quality parameters and implement qualification frameworks.

The QEC also encourages the accreditation of programs with reputable accreditation bodies i.e. Pakistan Medical and Dental Council (PMDC), Pakistan Engineering Council (PEC), National Computing Education Accreditation Council (NCEAC) and National Accreditation Council for Teacher Education (NACTE), National Business Education Accreditation Council (NBEAC), Pakistan Bar Council (PBC), Pakistan Council of Architects and Town Planner (PCATP). Moreover, Director QEC being a member of the Syndicate, Selection Board, Academic Council,

Advanced Studies and Research Board, Board of Studies, Board of Faculties, and Finance and Planning Committee, provides his opinion and expertise in various matters pertaining to quality assurance and enhancement in higher education.

Impact of Quality Assurance

The quality assurance practices and procedures adapted by the QEC at the UOG secured remarkable success last year. The QEC was placed in “W” category of the QECs with a score of 94.6/100. This has been achieved by vigorous efforts made by the cell to monitor, evaluate and report the performance to the higher education stakeholders to develop and strengthen quality culture at the UOG.

Key Achievements

The QEC performs its functions as per guidelines laid in the quality assurance manual of the HEC, which dictates that the QEC would be responsible for the quality assurance and enhancement in the university. In this connection, following activities have been carried out by the QEC which indicates its dedicated efforts to

promote quality culture at the UOG.

- Evaluation of Self Assessment Reports by Assessment Teams (AT has assessed more than 113 Programs)
- Course Files Auditing (More than 1440 Course files of 443 plus faculty members have been audited in Fall 2017)
- Monitoring of Classes to ensure class conduct
- Monitoring of Examinations
- Monitoring of Admissions
- Training of PT members
- Workshops for Chairpersons/HODs, Faculty and Departmental QEC focal persons.
- Training on the effective use of Higher Education Learning Platform (HELP)
- Participation in seminars, conferences and training sessions held by various organization
- Promotion of quality assurance practices through print media
- Establishment of QEC at Sub Campuses, PPP Campuses and Affiliated Colleges
- MS/M.Phil/Ph.D. Programs Review
- Institutional Performance Evaluation



HEC QAA MPhil/PhD Programs Review

A team of experts nominated by Quality Assurance Agency (HEC) visited the University of Gujrat on February 16-17, 2021 to review the MPhil/MS & PhD programs. The Program Review panel was comprised of the following members:

| S# | Name | Designation | Institution | Panel |
|----|----------------------------|---|-------------------------|----------|
| 01 | Dr. Muhammad Ali Shah | Vice Chancellor | Quaid-e-Azam University | Convener |
| 02 | Dr. Shaheen Sardar Ali | Rector, NAHE | HEC | Member |
| 03 | Dr. Munawar Iqbal Ahmed | Dean, English Literature | Air University Isb. | Member |
| 04 | Prof. Dr. M. Shahid Khalil | Professor | UET Taxila | Member |
| 05 | Prof. Dr. Zulfiqar Ali | Professor, Environmental, Urban and Regional Planning | University of Peshawar | Member |

The Program review panel reviewed the following programs offered in The University of Gujrat:

| | | | |
|-----------------------|-----|----------------------------|-----|
| PhD Programs | 21 | MS/MPhil Programs | 30 |
| PhD Qualified Faculty | 149 | MS/MPhil Qualified Faculty | 183 |
| PhD Students | 403 | MS/MPhil Students | 754 |

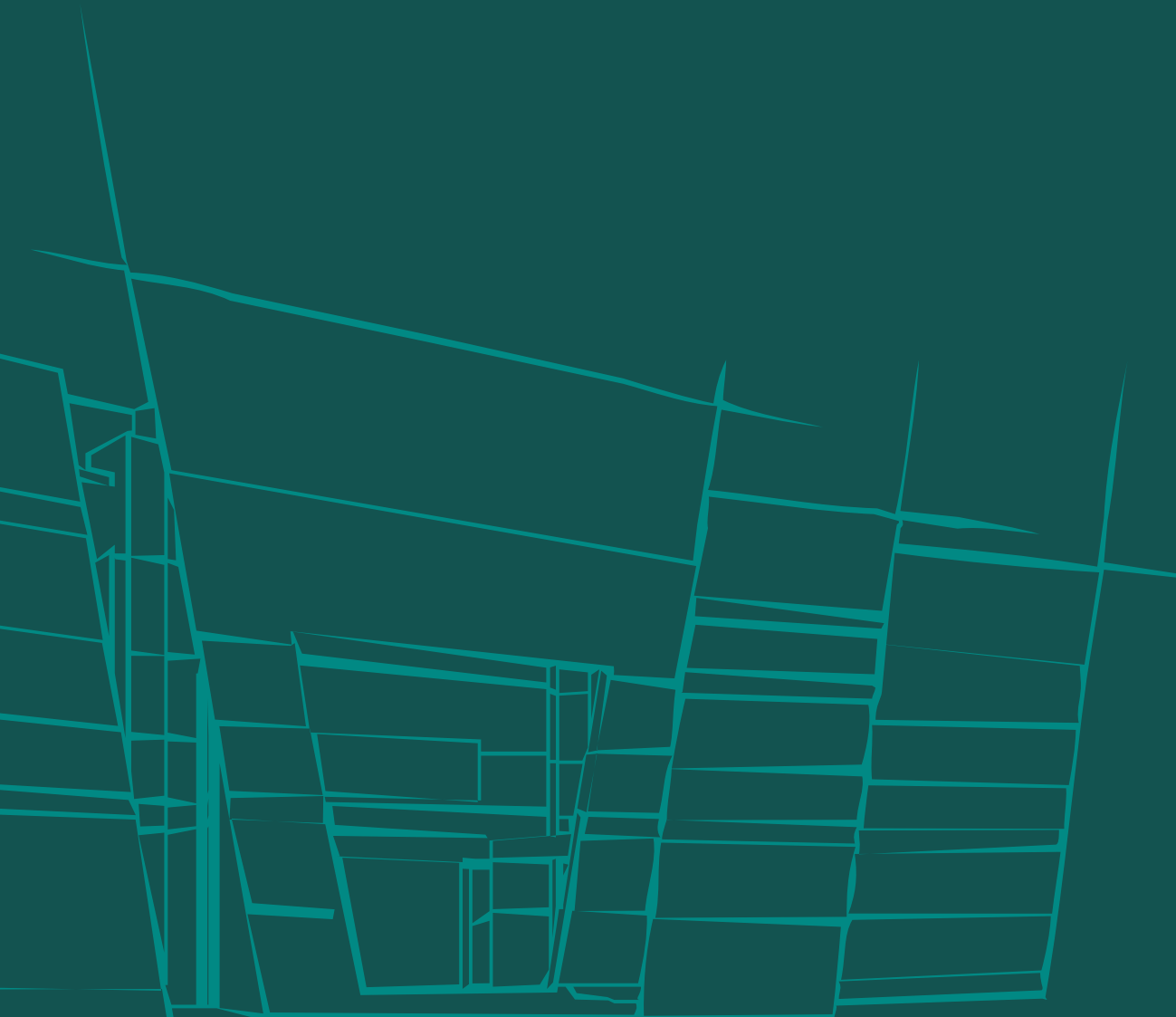






Chapter-4

Faculty Development



Department-Wise Faculty Strength

A. Faculty of Arts

Department of English

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | 01 | 02 | 03 | 02 | 01 | 03 | - | - | - | 06 |
| Lecturer / Associate Lecturer | - | 01 | 01 | 5 | 13 | 18 | 01 | 04 | 05 | 24 |

Centre for Languages and Translation Studies

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | 01 | - | 01 | 01 | - | 01 | - | - | - | 02 |
| Lecturer / Associate Lecturer | 01 | - | 01 | 01 | 04 | 05 | 01 | 03 | 04 | 10 |

School of Law

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | 01 | - | 01 | 02 | - | 02 | - | - | - | 03 |
| Lecturer / Associate Lecturer | - | 01 | 01 | 03 | 02 | 05 | - | - | - | 06 |

Islamic Studies

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Assistant Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Lecturer / Associate Lecturer | 04 | - | 04 | 04 | 01 | 05 | - | 01 | 01 | 10 |

Center for Media & Communication Studies

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|---|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Assistant Professor | 02 | - | 02 | - | - | - | - | - | - | 02 |
| Lecturer / Associate Lecturer | 01 | - | 01 | - | - | - | - | 01 | 01 | 02 |

Physical Education & Sports Sciences

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----------|-----------|-----------|------------------|-----------|-----------|---|-----------|-----------|-----------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | - | - | - | - | - | - | - | - | - |
| Lecturer / Associate Lecturer | - | - | - | 01 | - | 01 | - | - | - | 01 |
| Total (A) | 15 | 04 | 19 | 19 | 21 | 40 | 02 | 09 | 11 | 70 |

A(I). School of Art, Design and Architecture(SADA)

Architecture

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|---|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | - | - | - | - | - | 01 | - | 01 | 01 |
| Lecturer / Associate Lecturer | - | - | - | - | - | - | 02 | 02 | 04 | 04 |

Fine Arts

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | 02 | - | 02 | - | - | - | 02 |
| Assistant Professor | - | - | - | 01 | - | 01 | - | 01 | 01 | 02 |
| Lecturer / Associate Lecturer | - | - | - | 01 | 02 | 03 | 01 | 04 | 05 | 08 |

Communication Design

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc/BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|--|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | - | - | 01 | - | 01 | - | - | - | 01 |
| Lecturer / Associate Lecturer | - | - | - | 02 | 02 | 04 | 01 | - | 01 | 05 |

Multimedia Arts

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc/BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|--|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | - | - | - | 02 | 02 | - | - | - | 02 |
| Lecturer / Associate Lecturer | - | - | - | 01 | 01 | 02 | 01 | - | 01 | 03 |

Textile Design

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc/BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|---|-------|--|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | - | - | 02 | - | 02 | - | - | - | 02 |
| Lecturer / Associate Lecturer | - | - | - | 01 | - | 01 | - | 04 | 04 | 05 |

Ceramics Design

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc/BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|---|-------|--|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | - | - | 01 | - | 01 | - | - | - | 01 |
| Lecturer / Associate Lecturer | - | - | - | - | - | - | 01 | - | 01 | 01 |

Product Design

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc/BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|--|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | - | - | - | - | - | - | - | - | - |
| Lecturer / Associate Lecturer | - | - | - | - | - | - | 02 | 01 | 03 | 03 |
| Total A (I) | - | - | - | 12 | 07 | 19 | 09 | 09 | 21 | 40 |

B. Faculty of Science

Biochemistry and Molecular Biology

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|---|-------|--------------------------------------|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | 01 | 01 | 02 | - | - | - | - | - | - | 02 |
| Assistant Professor | 04 | 03 | 07 | - | - | - | - | - | - | 07 |
| Lecturer / Associate Lecturer | 03 | - | 03 | 01 | - | 01 | - | - | - | 04 |

Biotechnology

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|---|-------|--------------------------------------|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | - | - | - | - | - | - | - | - | - |
| Lecturer / Associate Lecturer | - | - | - | - | - | - | - | - | - | - |

Geography

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|--------------------------------------|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | 01 | - | 01 | 01 | 01 | 02 | - | - | - | 03 |
| Lecturer / Associate Lecturer | - | - | - | 02 | 01 | 03 | - | 01 | 01 | 04 |

Zoology

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|---|-------|--------------------------------------|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Associate Professor | - | 02 | 02 | - | - | - | - | - | - | 02 |
| Assistant Professor | 03 | 05 | 08 | - | - | - | - | - | - | 08 |
| Lecturer / Associate Lecturer | - | 01 | 01 | 03 | - | 03 | 01 | 01 | 02 | 06 |

Botany

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|--------------------------------------|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Associate Professor | 02 | - | 02 | - | - | - | - | - | - | 02 |
| Assistant Professor | 04 | 02 | 06 | - | - | - | - | - | - | 06 |
| Lecturer / Associate Lecturer | - | 03 | 03 | - | 04 | 04 | - | - | - | 07 |

Chemistry

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|--------------------------------------|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Associate Professor | 03 | 01 | 04 | - | - | - | - | - | - | 04 |
| Assistant Professor | 07 | - | 07 | - | - | - | - | - | - | 07 |
| Lecturer / Associate Lecturer | - | 03 | 03 | - | 03 | 03 | - | - | - | 06 |

Environmental Sciences

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|--------------------------------------|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Assistant Professor | 03 | 01 | 04 | - | - | - | - | - | - | 04 |
| Lecturer / Associate Lecturer | 01 | - | 01 | - | 01 | 01 | - | - | - | 02 |

Mathematics

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|--------------------------------------|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Assistant Professor | 03 | 02 | 05 | - | - | - | - | - | - | 05 |
| Lecturer / Associate Lecturer | 01 | - | 01 | 04 | 06 | 10 | - | 01 | 01 | 12 |

Physics

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|--------------------------------------|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | 06 | - | 06 | - | - | - | - | - | - | 06 |
| Lecturer / Associate Lecturer | 01 | - | 01 | 02 | 01 | 03 | - | 01 | 01 | 05 |

Statistics

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Assistant Professor | 01 | - | 01 | 01 | - | 01 | - | - | - | 02 |
| Lecturer / Associate Lecturer | 01 | - | 01 | 04 | 04 | 08 | - | 01 | 01 | 10 |
| Total (B) | 46 | 19 | 65 | 21 | 26 | 47 | 0 | 05 | 05 | 122 |

C. Faculty of Engineering & Technology

Chemical Engineering

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|---|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Assistant Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Lecturer / Associate Lecturer | - | - | - | 06 | 01 | 07 | 07 | - | 07 | 14 |

Electrical Engineering

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|---|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Associate Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Assistant Professor | 01 | - | 01 | 01 | - | 01 | 01 | 01 | 02 | 04 |
| Lecturer / Associate Lecturer | 01 | - | 01 | 10 | - | 10 | 02 | - | 02 | 13 |

Mechanical Engineering

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | 02 | - | 02 | - | - | - | - | - | - | 02 |
| Lecturer / Associate Lecturer | - | - | - | 01 | - | 01 | 02 | - | 02 | 03 |
| Total (C) | 08 | 0 | 08 | 18 | 01 | 19 | 12 | 01 | 13 | 40 |

D. Faculty of Social Sciences

Economics

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | 02 | - | 02 | - | - | - | - | - | - | 02 |
| Assistant Professor | 02 | - | 02 | - | - | - | - | - | - | 02 |
| Lecturer / Associate Lecturer | - | 01 | 01 | 01 | 02 | 03 | 01 | - | 01 | 05 |

Sociology

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | - | - | 01 | - | 01 | - | - | - | 01 |
| Lecturer / Associate Lecturer | - | - | - | 04 | 04 | 08 | - | 01 | 01 | 09 |

History & Pakistan Studies

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | 01 | 01 | - | - | - | - | - | - | 01 |
| Lecturer / Associate Lecturer | 02 | - | 02 | 01 | 02 | 03 | - | - | - | 05 |

Political Science & International Relations

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Assistant Professor | 02 | - | 02 | - | - | - | - | - | - | 02 |
| Lecturer / Associate Lecturer | - | 01 | 01 | 07 | 04 | 11 | - | 01 | 01 | 13 |

Psychology

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | 01 | 01 | - | - | - | - | - | - | 01 |
| Assistant Professor | - | 02 | 02 | - | - | - | - | - | - | 02 |
| Lecturer / Associate Lecturer | - | 02 | 02 | - | 07 | 07 | - | 01 | 01 | 10 |

Education

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | 03 | - | 03 | - | - | - | - | - | - | 03 |
| Lecturer / Associate Lecturer | - | 02 | 02 | - | 03 | 03 | - | - | - | 05 |
| Total (D) | 12 | 10 | 22 | 14 | 22 | 36 | 01 | 03 | 04 | 62 |

E. Faculty of Computing & Information Technology

Information Technology

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|---|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | 01 | - | 01 | 02 | - | 02 | - | - | - | 03 |
| Lecturer / Associate Lecturer | - | 01 | 01 | 05 | 02 | 07 | 01 | - | 01 | 09 |

Computer Science

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | 05 | - | 05 | 05 | 01 | 06 | - | - | - | 11 |
| Lecturer / Associate Lecturer | - | - | - | 11 | 04 | 15 | 02 | 02 | 04 | 19 |

Software Engineering

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | 02 | - | 02 | 01 | - | 01 | - | - | - | 03 |
| Lecturer / Associate Lecturer | - | - | - | 02 | 03 | 05 | 02 | - | 02 | 07 |
| Total (E) | 08 | 01 | 09 | 26 | 10 | 36 | 05 | 02 | 07 | 52 |

F. Faculty of Management & Administrative Sciences

Management Sciences

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | 01 | - | 01 | - | - | - | - | - | - | 01 |
| Assistant Professor | 05 | - | 05 | 06 | 01 | 07 | 01 | - | 01 | 13 |
| Lecturer / Associate Lecturer | - | 01 | 01 | 12 | 10 | 22 | - | 01 | 01 | 24 |

Commerce

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|---|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | - | - | 01 | - | 01 | - | - | - | 01 |
| Lecturer / Associate Lecturer | 02 | - | 02 | 10 | 02 | 12 | 01 | 01 | 02 | 16 |

Institute of Hotel & Restaurant Management

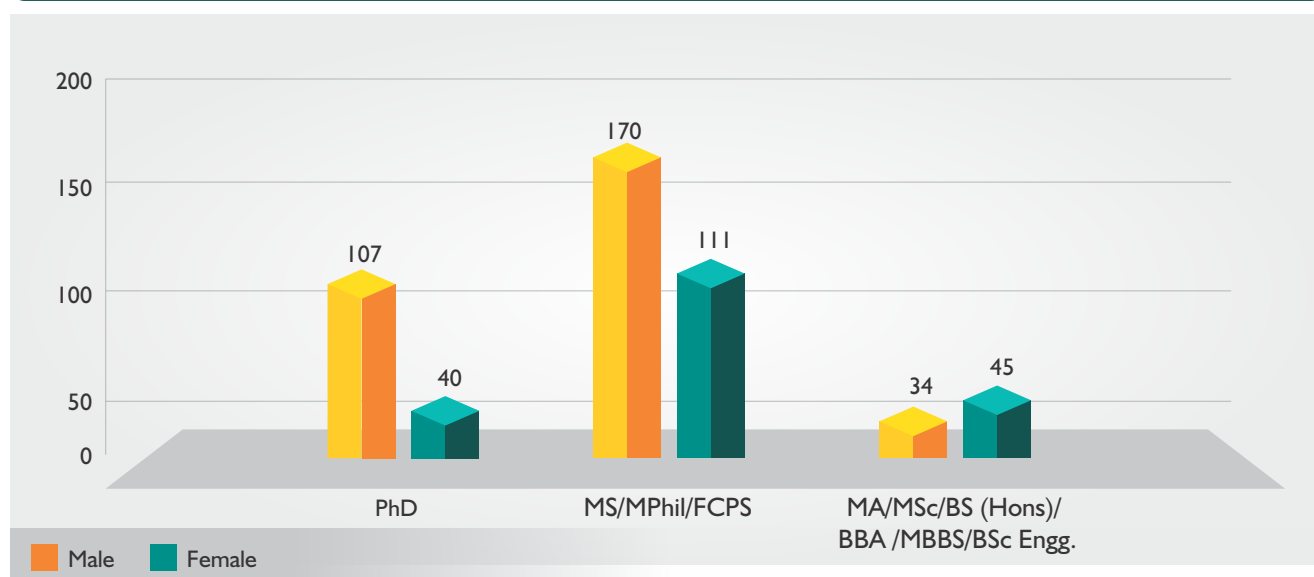
| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | - | - | - | - | - | - | - |
| Associate Professor | - | - | - | - | - | - | - | - | - | - |
| Assistant Professor | - | - | - | - | - | - | - | - | - | - |
| Lecturer / Associate Lecturer | - | - | - | 02 | - | 02 | 02 | - | 02 | 04 |
| Total (F) | 08 | 01 | 09 | 31 | 13 | 44 | 04 | 02 | 06 | 59 |

G. Nawaz Sharif Medical College

Nawaz Sharif Medical College,

| Departments | PhD | | | MS / MPhil/ FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | Total |
|-------------------------------|-----|----|-------|------------------|----|-------|---|----|-------|-------|
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | - | - | - | 06 | 01 | 07 | - | - | - | 07 |
| Associate Professor | - | - | - | 06 | - | 06 | - | - | - | 06 |
| Assistant Professor | - | - | - | 15 | 04 | 19 | - | - | - | 19 |
| Lecturer / Associate Lecturer | 01 | 01 | 02 | 03 | 09 | 12 | 04 | 12 | 16 | 30 |
| Total (F) | 01 | 01 | 02 | 30 | 14 | 44 | 04 | 12 | 16 | 62 |
| Grand total (A+B+C+D+E+F+G) | | | | | | | | | | 507 |

| Designation | Academic Qualification | | | | | | | | | Total |
|----------------------------|------------------------|----|-------|---------------|-----|-------|---|----|-------|-------|
| | PhD | | | MS/MPhil/FCPS | | | MA /MSc /BS (Hons) / BSc Engr / MBBS | | | |
| | M | F | Total | M | F | Total | M | F | Total | |
| Professor | 6 | - | 06 | 06 | 01 | 07 | - | - | - | 13 |
| Associate Professor | 17 | 05 | 22 | 07 | 01 | 08 | - | - | - | 30 |
| Assistant Professor | 62 | 18 | 80 | 44 | 10 | 54 | 03 | 02 | 05 | 139 |
| Lecturer / Assoc. Lecturer | 22 | 17 | 39 | 113 | 99 | 212 | 31 | 43 | 74 | 325 |
| Total | 107 | 40 | 147 | 170 | 111 | 281 | 34 | 45 | 79 | 507 |



Faculty Development Program

During 2020-21, 10 faculty members completed their higher studies and returned to join the UOG . Details are as under:

| S# | Name of Faculty Member | Designation | Department | Study Program, i.e., MS/MPhil/ PhD with subject | Country |
|----|------------------------|---------------------|---------------------|---|-----------|
| 1 | Saima Anwar | Assistant Professor | English | PhD | Pakistan |
| 2 | Rana Ahmad Shaheed | Lecturer | English | PhD | Australia |
| 3 | Syed Kashif Shahid | Assistant Director | ASRB | PhD | Pakistan |
| 4 | Saira Munawar | Assistant Professor | Geography | PhD | Pakistan |
| 5 | Mehwish Riaz | Lecturer | Management Sciences | PhD | Malaysia |
| 6 | Sadia Bint Raza | Lecturer | Management Sciences | PhD | Pakistan |
| 7 | Mirza Rizwan Sajid | Assistant Professor | Statistics | PhD | Malaysia |
| 8 | Shamaila Yousaf | Lecturer | Mathematics | PhD | Pakistan |
| 9 | Sadia Noreen | Lecturer | Mathematics | PhD | Pakistan |
| 10 | Zafar Mehmood | Assistant Professor | Computer Science | PhD | Pakistan |

Present Scholars Under Faculty Development Program

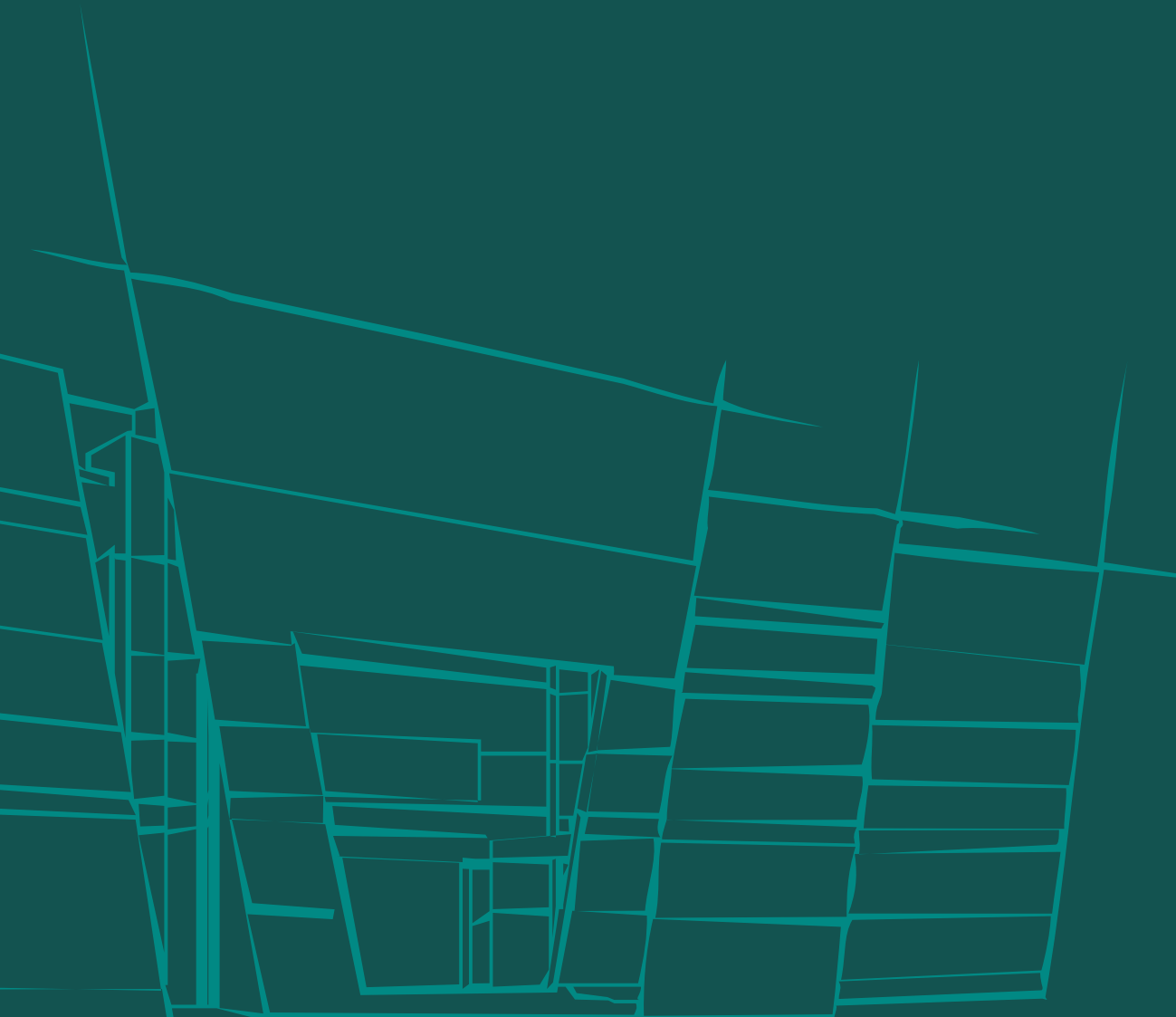
Following 14 faculty members started their study during 2020-21:

| S# | Name of Faculty Member | Designation | Department | Nature of Study with subject | Country |
|----|------------------------|---------------------|------------------------|------------------------------|-------------|
| 1 | M. Tauqeer ul Amin | Assistant Professor | Software Engineering | PhD | Pakistan |
| 2 | Sidra Iqbal | Lecturer | Fine Arts | MPhil | Canada |
| 3 | Imran Ahsan | Associate Lecturer | Economics | PhD | Malaysia |
| 4 | Dr. Samia Arshad | Demonstrator | NSMC | MPhil | Pakistan |
| 5 | Dr Mudassar Maraj | Lecturer | Physics | Post Doc | China |
| 6 | Mehwish Kaleem | Lecturer | Management Sciences | PhD | Malaysia |
| 7 | Muneeb ud Din Ahmad | Lecturer | Economics | PhD | Pakistan |
| 8 | Saima Bashir | Lecturer | Botany | PhD | Pakistan |
| 9 | Tayyaba Khalil | Lecturer | Botany | PhD | Pakistan |
| 10 | Madiha Hameed | Network Admin | IT Services | PhD | Pakistan |
| 11 | Asad Ghafoor | Lecturer | Mathematics | PhD | Malaysia |
| 12 | Engr M. Mubeen | Lecturer | Electrical Engineering | PhD | South Korea |
| 13 | Fakhera Nazir | Lecturer | Computer Science | PhD | Pakistan |
| 14 | Anbreen Kausar | Lecturer | Computer Science | PhD | Pakistan |



Chapter-5

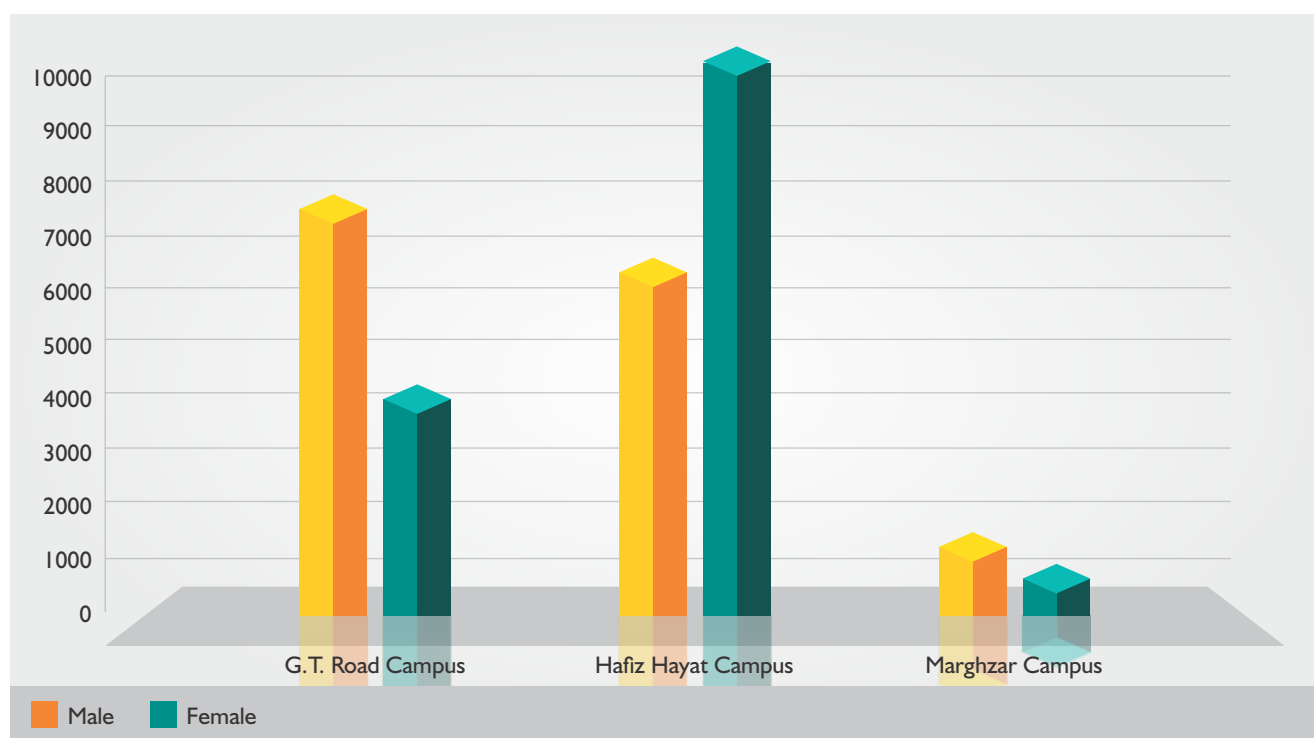
Access



Basic Enrollment

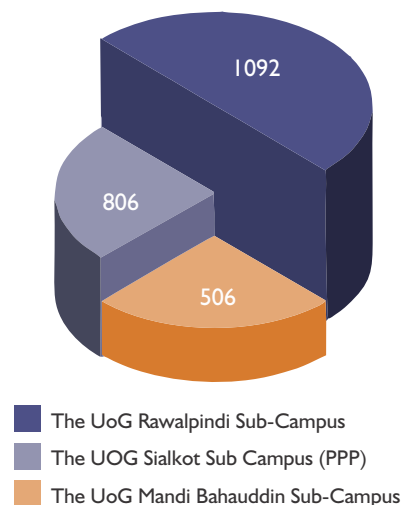
Main Campus and Constituent Colleges

| Campus | G. T. Road Campus | | | | Hafiz Hayat Campus | | | | | | Marghzar Campus | | | Total Strength |
|----------------|-------------------|------------|----------------|---------------|--------------------|--------------|---------|------------|----------------|------|-----------------|--------------|----------------|----------------|
| Program | Bachelor /BS | M.Phil /Ms | Master 16 year | Assoc. Degree | Assoc. Degree | Bachelor /BS | Diploma | M.Phil /Ms | Master 16 year | Ph.D | Assoc. Degree | Bachelor /BS | Master 16 year | |
| Male | 500 | 21 | 108 | 118 | 61 | 5823 | 1 | 254 | 167 | 197 | 0 | 1086 | 0 | 8336 |
| Female | 195 | 12 | 131 | 65 | 10 | 10029 | 13 | 724 | 649 | 124 | 241 | 185 | 129 | 12507 |
| Total Strength | 695 | 33 | 239 | 183 | 71 | 15852 | 14 | 978 | 816 | 321 | 241 | 1271 | 129 | 20843 |
| Grand Total | 1150 | | | | 18052 | | | | | | 1641 | | | 20843 |



Sub Campuses Enrollment

| Campus | The UoG Sialkot Sub Campus (PPP) | The UoG Mandi Bahauddin Sub-Campus | The UoG Rawalpindi Sub-Campus | | Grand Total |
|----------------|----------------------------------|------------------------------------|-------------------------------|----------------|-------------|
| Program | Bachelor/BS | Bachelor/BS | Bachelor /BS | Master 16 year | |
| Male | 486 | 241 | 0 | 0 | 727 |
| Female | 320 | 265 | 1089 | 3 | 1677 |
| Total Strength | 806 | 506 | 1089 | 3 | 2404 |
| Grand Total | 806 | 506 | 1092 | | 2404 |



Equity

The UOG is providing equal admission opportunities based on merit as per the university's prescribed rules & regulations, policies, and procedures. Equal admission opportunity refers to all people, irrespective of gender, race, colour, age, religious belief, marital or parental status, having the same access to employment and admission. Mainly, the university environment is free of gender discrimination or harassment and provides equal opportunities to women.

Gender-wise and Program-wise Enrollment Details

Approximately 59% of female students and 41% male students are studying at the main campus, i.e., Hafiz Hayat Campus, UOG, Gujrat, and its city campuses including Medical College, i.e., NSMC and four sub-campuses in various degree programs. The program-wise distribution of male and female students is reflected in the table below.

| Campus | Faculty/Department | Degree Program | New Enrollment | | | Running Enrollment | | |
|--------------------|---------------------|-------------------|----------------|--------|-------|--------------------|--------|-------|
| | | | Male | Female | Total | Male | Female | Total |
| G. T. Road Campus | Commerce | MCOM | 0 | 0 | 0 | 56 | 49 | 105 |
| | Computer Science | Master of Science | 30 | 37 | 67 | 65 | 70 | 135 |
| | English | Master of Arts | 0 | 0 | 0 | 10 | 40 | 50 |
| | Management Sci. | BBA (Evening) | 36 | 13 | 49 | 84 | 26 | 110 |
| | Mathematics | Master of Science | 0 | 0 | 0 | 20 | 90 | 110 |
| | School of Law | LLB (Hons) | 71 | 29 | 100 | 296 | 116 | 412 |
| | School of Law | LLM | 0 | 0 | 0 | 12 | 6 | 18 |
| | School of Law | LLM (Evening) | 0 | 0 | 0 | 23 | 11 | 34 |
| Hafiz Hayat Campus | Architecture | B Arch | 16 | 14 | 30 | 55 | 59 | 114 |
| | Biochemistry | BS | 39 | 213 | 252 | 77 | 472 | 549 |
| | Biochemistry | BS (Evening) | 16 | 39 | 55 | 23 | 30 | 53 |
| | Biochemistry | PhD | 0 | 0 | 0 | 6 | 2 | 8 |
| | Biochemistry | PhD (Evening) | 0 | 0 | 0 | 6 | 2 | 8 |
| | Biochemistry | MPhil | 0 | 0 | 0 | 2 | 51 | 53 |
| | Biotechnology | PhD | 0 | 0 | 0 | 5 | 5 | 10 |
| | Biotechnology | PhD (Evening) | 0 | 0 | 0 | 4 | 2 | 6 |
| | Biotechnology | MPhil | 0 | 0 | 0 | 10 | 36 | 46 |
| | Botany | BS | 14 | 112 | 126 | 42 | 338 | 380 |
| | Botany | PhD | 0 | 0 | 0 | 3 | 3 | 6 |
| | Botany | PhD (Evening) | 0 | 0 | 0 | 10 | 13 | 23 |
| | Botany | MPhil | 0 | 0 | 0 | 7 | 66 | 73 |
| | Botany | Master of Science | 0 | 0 | 0 | 1 | 57 | 58 |
| | Botany | MSc (Evening) | 0 | 0 | 0 | 9 | 98 | 107 |
| | Translation Studies | BS | 0 | 0 | 0 | 14 | 90 | 104 |
| | Translation Studies | MPhil | 0 | 0 | 0 | 9 | 24 | 33 |
| | Mass Comm. | BS | 60 | 56 | 116 | 151 | 110 | 261 |

| Campus | Faculty/Department | Degree Program | New Enrollment | | | Running Enrollment | | |
|--------------------|--------------------|----------------------|----------------|--------|-------|--------------------|--------|-------|
| | | | Male | Female | Total | Male | Female | Total |
| Hafiz Hayat Campus | Mass Comm. | PhD | 0 | 0 | 0 | 12 | 3 | 15 |
| | Mass Comm. | PhD (Evening) | 0 | 0 | 0 | 15 | 5 | 20 |
| | Mass Comm. | MPhil | 0 | 0 | 0 | 13 | 13 | 26 |
| | Ceramic Design | Bachelor of Design | 0 | 0 | 0 | 0 | 2 | 2 |
| | Chemical Engr | BSc. | 71 | 7 | 78 | 140 | 16 | 156 |
| | Chemical Engr | BSc. (Evening) | 0 | 0 | 0 | 62 | 3 | 65 |
| | Chemical Engr | BTech (Evening) | 0 | 0 | 0 | 44 | 7 | 51 |
| | Chemical Engr | PhD (Evening) | 0 | 0 | 0 | 3 | 1 | 4 |
| | Chemical Engr | MSc. | 0 | 0 | 0 | 16 | 1 | 17 |
| | Chemical Engr | MSc. (Engrg) Evening | 0 | 0 | 0 | 11 | 2 | 13 |
| | Chemistry | BS | 15 | 104 | 119 | 62 | 298 | 360 |
| | Chemistry | BS (Evening) | 16 | 36 | 52 | 33 | 52 | 85 |
| | Chemistry | PhD | 0 | 0 | 0 | 11 | 4 | 15 |
| | Chemistry | PhD (Evening) | 0 | 0 | 0 | 5 | 10 | 15 |
| | Chemistry | MPhil | 0 | 0 | 0 | 5 | 80 | 85 |
| | Chemistry | MSc | 0 | 0 | 0 | 2 | 53 | 55 |
| | Chemistry | MSc (Evening) | 5 | 24 | 29 | 1 | 50 | 51 |
| | Commerce | BS | 121 | 82 | 203 | 187 | 169 | 356 |
| | Comm. Design | Bachelor of Design | 0 | 0 | 0 | 4 | 8 | 12 |
| | Computer Science | BS | 108 | 38 | 146 | 318 | 143 | 461 |
| | Computer Science | PhD | 0 | 0 | 0 | 0 | 3 | 3 |
| | Computer Science | PhD (Evening) | 0 | 0 | 0 | 8 | 2 | 10 |
| | Computer Science | MS | 0 | 0 | 0 | 29 | 37 | 66 |
| | Design | Bachelor of Design | 26 | 118 | 144 | 96 | 208 | 304 |
| | Economics | BS | 30 | 69 | 99 | 59 | 162 | 221 |
| | Economics | PhD (Evening) | 0 | 0 | 0 | 5 | 5 | 10 |
| | Economics | MPhil | 0 | 0 | 0 | 1 | 20 | 21 |
| | Economics | MSc | 0 | 0 | 0 | 2 | 19 | 21 |
| | Economics | MSc (Evening) | 0 | 0 | 0 | 3 | 15 | 18 |
| | Education | B.Ed | 6 | 34 | 40 | 4 | 102 | 106 |
| | Education | B.Ed | 0 | 0 | 0 | 0 | 5 | 5 |
| | Education | PhD | 0 | 0 | 0 | 6 | 6 | 12 |
| | Education | PhD (Evening) | 0 | 0 | 0 | 5 | 3 | 8 |
| | Education | MA | 0 | 0 | 0 | 1 | 19 | 20 |
| | Education | MA (Evening) | 0 | 0 | 0 | 1 | 19 | 20 |

| Campus | Faculty/Department | Degree Program | New Enrollment | | | Running Enrollment | | |
|--------------------|--------------------|------------------------|----------------|--------|-------|--------------------|--------|-------|
| | | | Male | Female | Total | Male | Female | Total |
| Hafiz Hayat Campus | Education | Mphil | 0 | 0 | 0 | 2 | 25 | 27 |
| | Electrical Engr | Bachelor of Science | 37 | 2 | 39 | 94 | 15 | 109 |
| | Electrical Engr | BTech (Evening) | 32 | 1 | 33 | 141 | 0 | 141 |
| | Electrical Engr | PhD (Evening) | 0 | 0 | 0 | 8 | 0 | 8 |
| | Electrical Engr | Msc | 0 | 0 | 0 | 32 | 3 | 35 |
| | Electrical Engr | MSc (Engr) Evening | 0 | 0 | 0 | 21 | 1 | 22 |
| | English | BS | 32 | 146 | 178 | 49 | 233 | 282 |
| | English | BS (Evening) | 31 | 29 | 60 | 11 | 25 | 36 |
| | English | PhD | 0 | 0 | 0 | 4 | 0 | 4 |
| | English | PhD (Evening) | 0 | 0 | 0 | 13 | 14 | 27 |
| | English | MA | 0 | 0 | 0 | 10 | 36 | 46 |
| | English | MA (Evening) | 3 | 28 | 31 | 0 | 0 | 0 |
| | English | MPhil | 0 | 0 | 0 | 9 | 40 | 49 |
| | Environmental Sci. | BS | 20 | 78 | 98 | 76 | 259 | 335 |
| | Environmental Sci. | PhD (Evening) | 0 | 0 | 0 | 4 | 0 | 4 |
| | Environmental Sci. | MPhil | 0 | 2 | 2 | 6 | 30 | 36 |
| | Fine Arts | Bachelor of Fine Arts | 5 | 61 | 66 | 8 | 44 | 52 |
| | Geography | BS | 34 | 32 | 66 | 50 | 71 | 121 |
| | Geography | MPhil | 0 | 0 | 0 | 20 | 25 | 45 |
| | History | BS | 16 | 19 | 35 | 11 | 15 | 26 |
| | History | PhD | 0 | 0 | 0 | 5 | 1 | 6 |
| | History | MPhil | 0 | 0 | 0 | 2 | 1 | 3 |
| | IT | BS | 105 | 55 | 160 | 235 | 143 | 378 |
| | IT | MS | 0 | 0 | 0 | 15 | 17 | 32 |
| | IHRM | Assoc. Degree | 0 | 0 | 0 | 52 | 15 | 67 |
| | IHRM | Assoc. Degree(Evening) | 17 | 0 | 17 | 0 | 0 | 0 |
| | IHRM | BS | 30 | 12 | 42 | 42 | 13 | 55 |
| | IR | BS | 45 | 26 | 71 | 82 | 60 | 142 |
| | IR | MA | 0 | 0 | 0 | 5 | 10 | 15 |
| | IR | MA (Evening) | 0 | 0 | 0 | 9 | 3 | 12 |
| | Islamic Studies | BS | 7 | 56 | 63 | 21 | 84 | 105 |
| | Islamic Studies | PhD | 0 | 0 | 0 | 13 | 2 | 15 |
| | Islamic Studies | PhD (Evening) | 0 | 0 | 0 | 41 | 7 | 48 |
| | Islamic Studies | MA (Evening) | 0 | 0 | 0 | 0 | 14 | 14 |
| | Islamic Studies | MPhil | 0 | 0 | 0 | 11 | 31 | 42 |

| Campus | Faculty/Department | Degree Program | New Enrollment | | | Running Enrollment | | |
|--------------------|--------------------|--------------------|----------------|--------|-------|--------------------|--------|-------|
| | | | Male | Female | Total | Male | Female | Total |
| Hafiz Hayat Campus | Mgmt Sciences | BBA | 144 | 105 | 249 | 317 | 240 | 557 |
| | Mgmt Sciences | BBA 2 YearB | 0 | 0 | 0 | 27 | 24 | 51 |
| | Mgmt Sciences | BBA 2 Year Evening | 15 | 25 | 40 | 0 | 0 | 0 |
| | Mgmt Sciences | PhD | 0 | 0 | 0 | 1 | 2 | 3 |
| | Mgmt Sciences | PhD (Evening) | 0 | 0 | 0 | 3 | 6 | 9 |
| | Mgmt Sciences | MBA 1.5 year | 0 | 0 | 0 | 1 | 1 | 2 |
| | Mgmt Sciences | MBA 2 Years | 0 | 0 | 0 | 8 | 1 | 9 |
| | Mgmt Sciences | MPhil | 1 | 4 | 5 | 12 | 34 | 46 |
| | Mgmt Sciences | MBA | 0 | 0 | 0 | 74 | 86 | 160 |
| | Mathematics | BS | 22 | 95 | 117 | 103 | 287 | 390 |
| | Mathematics | BS (Evening) | 32 | 32 | 64 | 46 | 58 | 104 |
| | Mathematics | PhD (Evening) | 4 | 2 | 6 | 12 | 8 | 20 |
| | Mathematics | MPhil | 3 | 4 | 7 | 14 | 30 | 44 |
| | Mathematics | MSc (Evening) | 0 | 0 | 0 | 47 | 67 | 114 |
| | Mechanical Engrr | B.Tech (Evening) | 57 | 1 | 58 | 190 | 1 | 191 |
| | Multimedia Arts | Bachelor of Design | 0 | 0 | 0 | 16 | 4 | 20 |
| | Physical Education | BS | 16 | 26 | 42 | 23 | 37 | 60 |
| | Physical Education | MSc | 0 | 0 | 0 | 4 | 15 | 19 |
| | Physical Education | MSc (Evening) | 0 | 0 | 0 | 8 | 15 | 23 |
| | Physics | BS | 31 | 89 | 120 | 120 | 209 | 329 |
| | Physics | BS (Evening) | 27 | 25 | 52 | 38 | 21 | 59 |
| | Physics | PhD | 0 | 0 | 0 | 2 | 0 | 2 |
| | Physics | PhD (Evening) | 0 | 0 | 0 | 7 | 6 | 13 |
| | Physics | MPhil | 0 | 0 | 0 | 11 | 34 | 45 |
| | Physics | MSc | 0 | 0 | 0 | 5 | 45 | 50 |
| | Physics | MSc (Evening) | 8 | 16 | 24 | 36 | 58 | 94 |
| | Political Science | BS | 24 | 20 | 44 | 30 | 30 | 60 |
| | Political Science | PhD | 0 | 0 | 0 | 7 | 1 | 8 |
| | Political Science | PhD (Evening) | 0 | 0 | 0 | 12 | 0 | 12 |
| | Political Science | MPhil | 0 | 0 | 0 | 7 | 11 | 18 |
| | Product Design | Bachelor of Design | 0 | 0 | 0 | 10 | 8 | 18 |
| | Psychology | ADCP | 0 | 0 | 0 | 0 | 13 | 13 |
| | Psychology | BS | 4 | 115 | 119 | 28 | 271 | 299 |
| | Psychology | BS (Evening) | 3 | 33 | 66 | 0 | 0 | 0 |
| | Psychology | PhD | 0 | 0 | 0 | 0 | 2 | 2 |

| Campus | Faculty/Department | Degree Program | New Enrollment | | | Running Enrollment | | |
|--------------------|--------------------|--------------------|----------------|--------|-------|--------------------|--------|-------|
| | | | Male | Female | Total | Male | Female | Total |
| Hafiz Hayat Campus | Psychology | PhD (Evening) | 0 | 0 | 0 | 2 | 4 | 6 |
| | Psychology | MPhil | 0 | 0 | 0 | 3 | 38 | 41 |
| | Psychology | MSc | 0 | 0 | 0 | 1 | 44 | 45 |
| | Psychology | MSc (Evening) | 0 | 0 | 0 | 0 | 51 | 51 |
| | Sociology | BS | 11 | 35 | 46 | 17 | 79 | 96 |
| | Sociology | PhD | 0 | 0 | 0 | 2 | 0 | 2 |
| | Sociology | MA | 0 | 0 | 0 | 1 | 19 | 20 |
| | Sociology | MA (Evening) | 0 | 0 | 0 | 1 | 12 | 13 |
| | Software Engr | BS | 87 | 66 | 153 | 363 | 139 | 502 |
| | Statistics | BS | 11 | 40 | 51 | 37 | 98 | 135 |
| | Statistics | MPhil | 0 | 0 | 0 | 12 | 20 | 32 |
| | Statistics | MSc | 0 | 0 | 0 | 5 | 8 | 13 |
| | Statistics | MSc (Evening) | 0 | 0 | 0 | 3 | 8 | 11 |
| | Textile Design | Bachelor of Design | 0 | 0 | 0 | 5 | 18 | 23 |
| | Zoology | BS | 15 | 97 | 112 | 35 | 342 | 377 |
| | Zoology | BS (Evening) | 9 | 27 | 36 | 15 | 58 | 73 |
| | Zoology | PhD | 0 | 0 | 0 | 2 | 1 | 3 |
| | Zoology | PhD (Evening) | 0 | 0 | 0 | 3 | 11 | 14 |
| | Zoology | MPhil | 0 | 6 | 6 | 10 | 41 | 51 |
| | Zoology | MSc | 0 | 0 | 0 | 0 | 51 | 51 |
| | Zoology | MSc (Evening) | 4 | 38 | 42 | 3 | 83 | 86 |
| Marghzar Campus | Computer Science | BS (Evening) | 83 | 18 | 101 | 220 | 28 | 248 |
| | Computer Science | MSc | 0 | 0 | 0 | 0 | 85 | 85 |
| | IT | BS (Evening) | 86 | 22 | 108 | 152 | 36 | 188 |
| | IT | MSc | 0 | 33 | 33 | 0 | 95 | 95 |
| | Software Engr | BS (Evening) | 92 | 8 | 100 | 255 | 35 | 290 |
| Mandi Sub-Campus | Computer Science | BS | 31 | 25 | 56 | 37 | 13 | 50 |
| | Computer Science | BS (Evening) | 19 | 4 | 23 | 0 | 0 | 0 |
| | Mgmt Sciences | BBA | 21 | 25 | 46 | 21 | 17 | 38 |
| | Mathematics | BS | 9 | 28 | 37 | 21 | 32 | 53 |
| | Physics | BS | 11 | 25 | 36 | 17 | 17 | 34 |

Employability

The Career Guidance and Placement Office under the umbrella of Student Services Centre & University Advancement & Financial Aid Office (UA & FAO) of the UoG are the key offices to ensure and explore employment opportunities of university graduates after the completion of their degrees. For this purpose, these offices constantly organize on-campus recruitment sessions, i.e., training and workshops, and job fairs. In 2020-21, these offices facilitated more than 1100 students getting internship opportunities in different institutes and organizations.

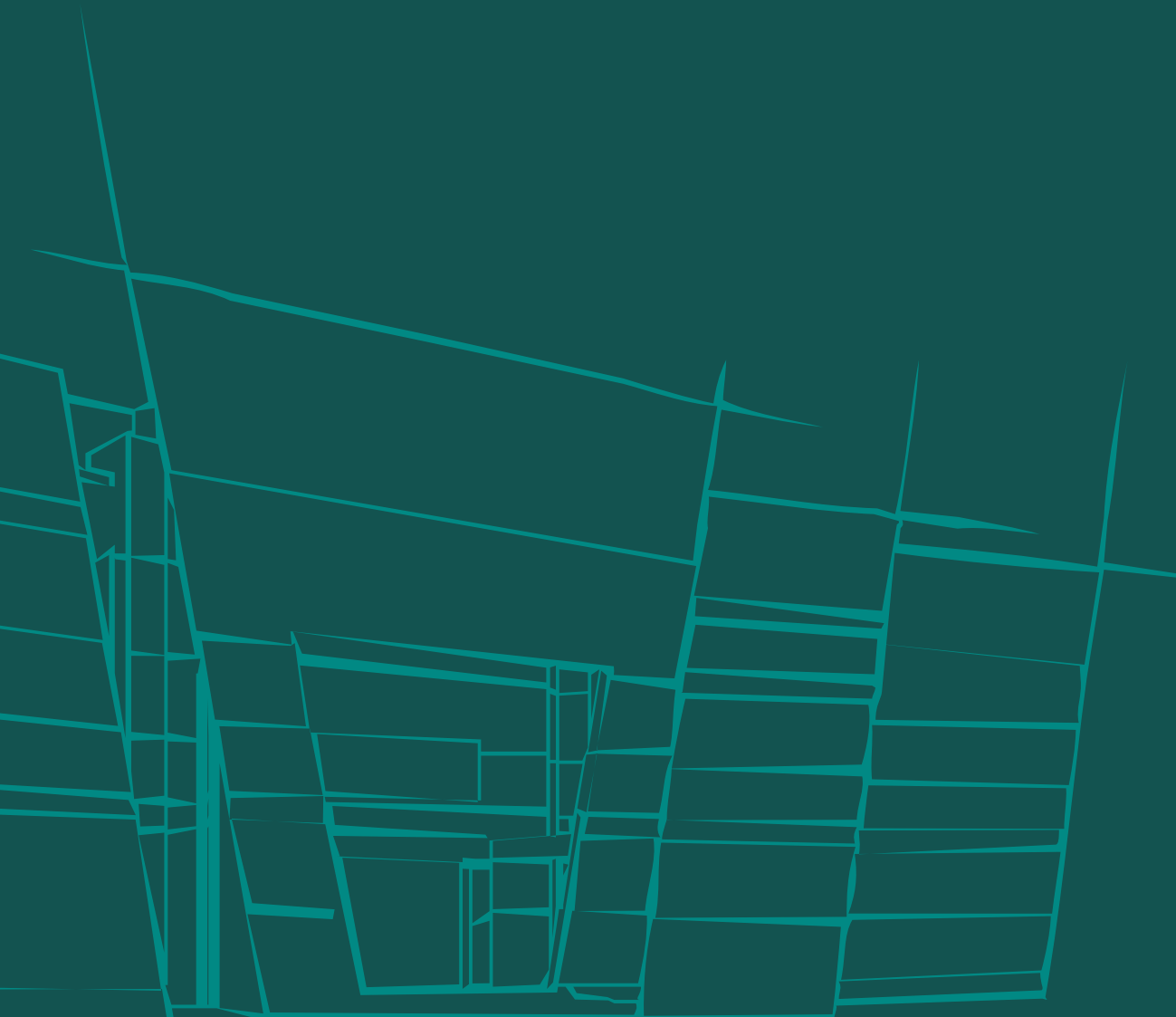
Faculty-Student Ratio

Recruitment of qualified faculty at the UOG is a continuous process throughout the year. During 2020-21, the student-faculty ratio at the UoG was 1:29, which quite convincingly exhibits a healthy balance and reflects that teachers could fully concentrate on their students and students can get optimum benefit from their teachers.



Chapter-6

University Building Economies



University-Industry Linkages

The UOG is captivating a qualitative increase forward by emerging robust connections with local industry through wide-ranging support for research projects jointly including specified research centers/institutes, research associations, industrial link and new corporate incubators. The purpose of this type of cooperation with several national and foreign universities/institutions is to certify the capacity building of the UOG faculty members in interdisciplinary research techniques and theoretic methods. The UOG is dynamically considering advancing for further vigorous foreign cooperation to extend the areas of research activities and arrange funds for the UOG faculty development program.

University-Industry Linkages Developed in 2020-21

| S# | Name of Host Institution | Key Initiatives to be Undertaken | Scope of Collaboration | Linkage Establishment Date |
|----|--|--|--|----------------------------|
| 1 | GUJRAT CHAMBER OF COMMERCE & INDUSTRY, Gujrat, Pakistan | Establishing a formal mechanism for collaboration and hereby express their interest in cooperating with each other in the areas of joint research initiatives, student internships, social action programs, industrial visits, strengthening academia-industry linkages and any other initiative of mutual interest by pooling resources and working together. | Joint research initiatives, student internships, social action programs, industrial visits, strengthening academia-industry linkages | 26-Apr-21 |
| 2 | Association For Biorisk Management- Pakistan | Implementation of Pakistan Biorisk Management (PBMP) Program activities through mutual coordination of stakeholders and to control zoonotic pathogens through the introduction and strengthening of biosafety and biosecurity practices in the University of Gujrat, Punjab, Pakistan. | Strengthening of Biosafety and Biosecurity practices in the University of Gujrat | 29-Jul-20 |
| 3 | Punjab Information Technology Board (PITB), Lahore, Pakistan | To accelerate the successful development of business startups through an array of business support resources and services, developed and orchestrated by the incubator management and offered both in-house and through a network of contacts. | Joint Partnership for Technology Incubator | 10-Dec-20 |

Technology and Innovation Support Center (TISC)

The University of Gujrat has established Technology and Innovation Support Center (TISC) in the Office of Research, Innovation and Commercialization (ORIC) in collaboration with the Higher Education Commission (HEC) of Pakistan, Intellectual Property Organization (IPO) Pakistan and Ministry of Science & Technology (MoST).

A Technology Innovation Support Center (TISC) will provide the following basic level and additional services:

- (i) Provide access to patent and/or non-patent databases;
- (ii) Provide services on patent search & analysis.
- (iii) Provide training on access & use of patent information.

New Initiatives

MOU with Punjab Information Technology Board (PITB)

The University of Gujrat (UOG) signed an MOU with Punjab Information Technology Board (PITB), Lahore,

on December 10, 2020 for the joint partnership for the establishment of Technology Incubation Center at the university premises. In addition to the funds amounting to Rs2 million, the PITB provided infrastructure/furniture to the university in the UOG BIC on April 12, 2021. Moreover, the PITB provided two-member staff in the University of Gujrat for the Technology Incubation Center for guiding and mentoring the students for entrepreneurship. The Business Incubation Center selected 15 student teams under BIC UOG Cohort 4, Business Idea Competition 2021 which provided a great opportunity for the faculty to execute their business/commercialization ideas.

A total of 264 student start-ups appeared in the competition. Thirty (30) startups were shortlisted for the final round. Finally, 15 startups were selected, 10 paid, and five (5) unpaid.

The PITB provided the following support to the selected students:

- i. Monthly stipend
- ii. Free workspace
- iii. Networking opportunities
- iv. Mentorship
- v. Business Development Assistance
- vi. Legal guidance

12-Week Free E-learning International Entrepreneurship Course 101

Under EU-funded Erasmus + project titled “Transforming Academic Knowledge to Develop Entrepreneurial Universities in Pakistan (TAKE-UP)”, Business Incubation Center (BIC) of the University of Gujrat, in collaboration with Saarland University, Germany and Athens University of Business and Economics, Greece, launched a 12-week free E-learning International Entrepreneurship Course 101 in a hybrid format. This was optional and non-credit.

Salient Features of the Course

- Students of different disciplines were guided to develop their own business ideas in a team with explanatory videos, case studies and relevant entrepreneurial theories and methods.
- Weekly tasks were given to students for the start-up teams to guide them to apply their knowledge and to take the first steps towards their own start-up.
- Students were made ready to present their prototypes in front of experts in three modules [Problem-Solution Fit; Product-Market Fit; Into

Action].

- The course helped promote entrepreneurial understanding among the university students.

Over 600 students enrolled the course while more than 300 succeeded to quality. Mr Shahzada Babar, Manager ORIC/BIC was the Course Coordinator, while Ms Theresa Zimmer from Saarland University and Dr Mirza Ashfaq Ahmed, Dr Anwar Ul Haq and Dr Khalid Iqbal from University of Gujrat were among the tutors. The course was offered in connection with EU-funded Erasmus + joint project, titled “Transforming Academic Knowledge to Develop Entrepreneurial Universities in Pakistan (TAKE-UP)” being carried out in collaboration with Saarland University, Germany, Athens University of Business and Economics, Greece, Lahore University of Management Sciences, COMSATS Institute of Information Technology, the University of Gujrat and Government College University Lahore.

World Intellectual Property Office (WIPO) Academy Distance Learning Courses

The university managed to enroll and equip ORIC/TISC staff to complete a few intellectual property courses including “WIPO Advanced Course on Basics of Patent Drafting DL 320 (Distance Learning)”, “Introduction to the Patent Cooperation Treaty PCT DL 101 (Distance Learning)”, “WIPO General Course on Intellectual Property DL 101 (Distance Learning)” “General Course on the Essentials of Patents DL-170 (Distance Learning)” and “WIPO Course on Patents DL 301” conducted by the WIPO Academy for managing and processing and intellectual property-related cases of the university. Deputy Manager (R&D), Office of Research, Innovation and Commercialization (ORIC) and TISC Focal Person, University of Gujrat, Dr Khalid Iqbal, completed these courses.

E-Pedagogy and Modular Content Development

The Office of Research, Innovation and Commercialization (ORIC) with the collaboration of IT services organized a Training/Workshop on “E-Pedagogy and Modular Content Development” to encounter the impact of COVID-19 on the Education sector severely affected by it. This training was organized through a thoughtful series of integrated arrangements for smooth continuation of educational activities. This training creates awareness about the utilization of educational software tools in the current pandemic that e-pedagogy is more effective than

physical classroom environment if practiced upon adequately. Mr Abrar Ahmed, software engineer, Directorate of IT Services was the resource person and Prof. Dr Audil Rashid, Director ORIC, was the coordinator of the said workshop.

Technology Incubation Centre

The Software Development Cell (SDC), under the umbrella of the IT Services department, is the backbone of the university, wherein the UOG has consistently generated ideas and developed IT software for managing web portals and administrative database-related to IT applications. The SDC is technology venturing through incubator activity and strategy to improve competitiveness. It plays a significant role in accelerating the commercial, and Research & Development outputs and transfer of technological contribution towards enterprises of high-end technologies, eventually initiating newly industrialized economies.

One of its major thrusts is incubating technology-based start-up structures to promote entrepreneurship among faculty, researchers, and other technically skilled people. Technology Incubation Centre (TIC) also facilitates the students in their research projects. The Centre shares a combination of various stages of software development.

After the delivery, the centre also modifies the software product to correct faults, improve performance, and other relevant IT services and planning attributes. The major function of TIC is to help potential entrepreneurs such as students, faculty, and the general public to incubate their technology and to provide support for technology incubation in affiliated & constituent colleges pertaining to research and development work. TIC aims to identify opportunities of collaboration between the UOG academics and industry to find solutions to industry-specific problems and new products development.

Internship and Placement Office Center

The internship and Placement office works very closely with all the Faculties to facilitate their students regarding 6-8 weeks of internship and placement. More than 11,000 students have been referred for 6-8 weeks Internship from July 2020 till June 2021 to various organizations. The UOG also offers paid internship programs for its regular students at the university level, enabling them to enrich their education with hands-on

experience and apply the lessons learned in the classroom to professional settings. The aim is to give an insight to the students into what employers want from recruits and how to compete in a global jobs market.

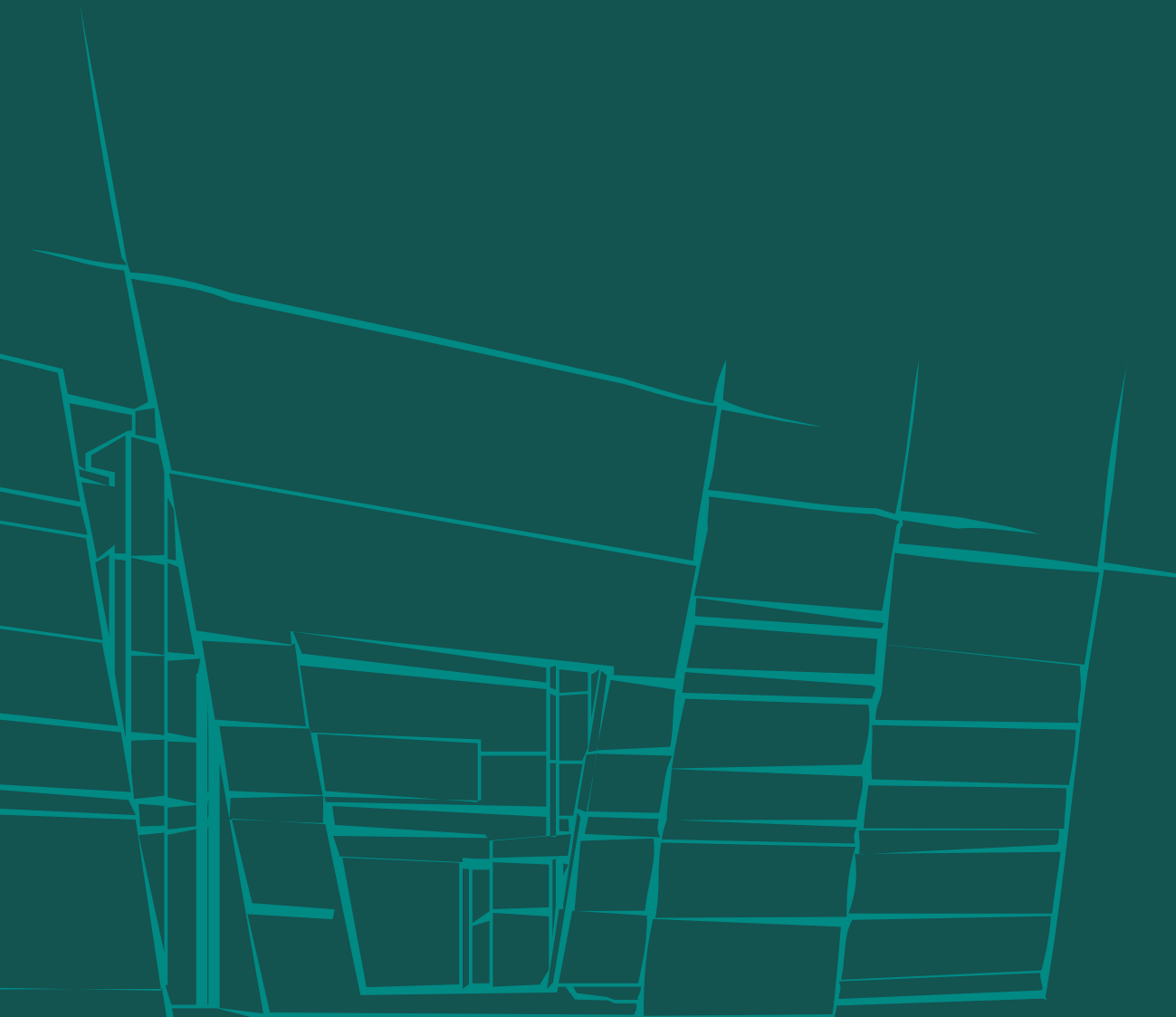
Student Counseling and Career Guidance

To support the holistic development of the students and to produce the “brightest brains,” the university has established a Career Development Centre at the Student Services Centre that provides a vital and engaged campus community where students can learn and develop the knowledge, skills, and values needed to lead and serve the nation. The centre offers programs and services to all the graduating students and alumni to explore and make effective career choices under one roof to male and female students in separate environments, considering societal norms and complying with the reforms mentioned in “Punjab Women Empowerment Package 2012 (PWEP). Thus, two dedicated male and female career counselors are available to provide one-on-one career counseling to the students throughout the year.



Chapter-7

Strengthening Physical Infrastructure



Development Projects

According to the university's academic infrastructure needs, numerous projects/works/schemes were executed during 2020-21. Federal and Provincial Governments provided funds through their respective departments, i.e., Higher Education Commission (HEC) Islamabad and Higher Education Department, the government of Punjab against different projects/works/schemes. Some development works/schemes were carried out by using launched university funds through Annual Works Programme (AWP). Every year, a new AWP is being prepared duly approved by the Syndicate on the recommendations of the Finance & Planning Committee of the UOG. The listed works/schemes are under way according to academic infrastructure demands and to improve/facilitate the academia with the vision to achieve the goal as a "World-Class University". Details of development projects/works/schemes are as follows, which were executed during 2020-21:

Summary of Construction Projects Completed During the Financial Year 2020-21

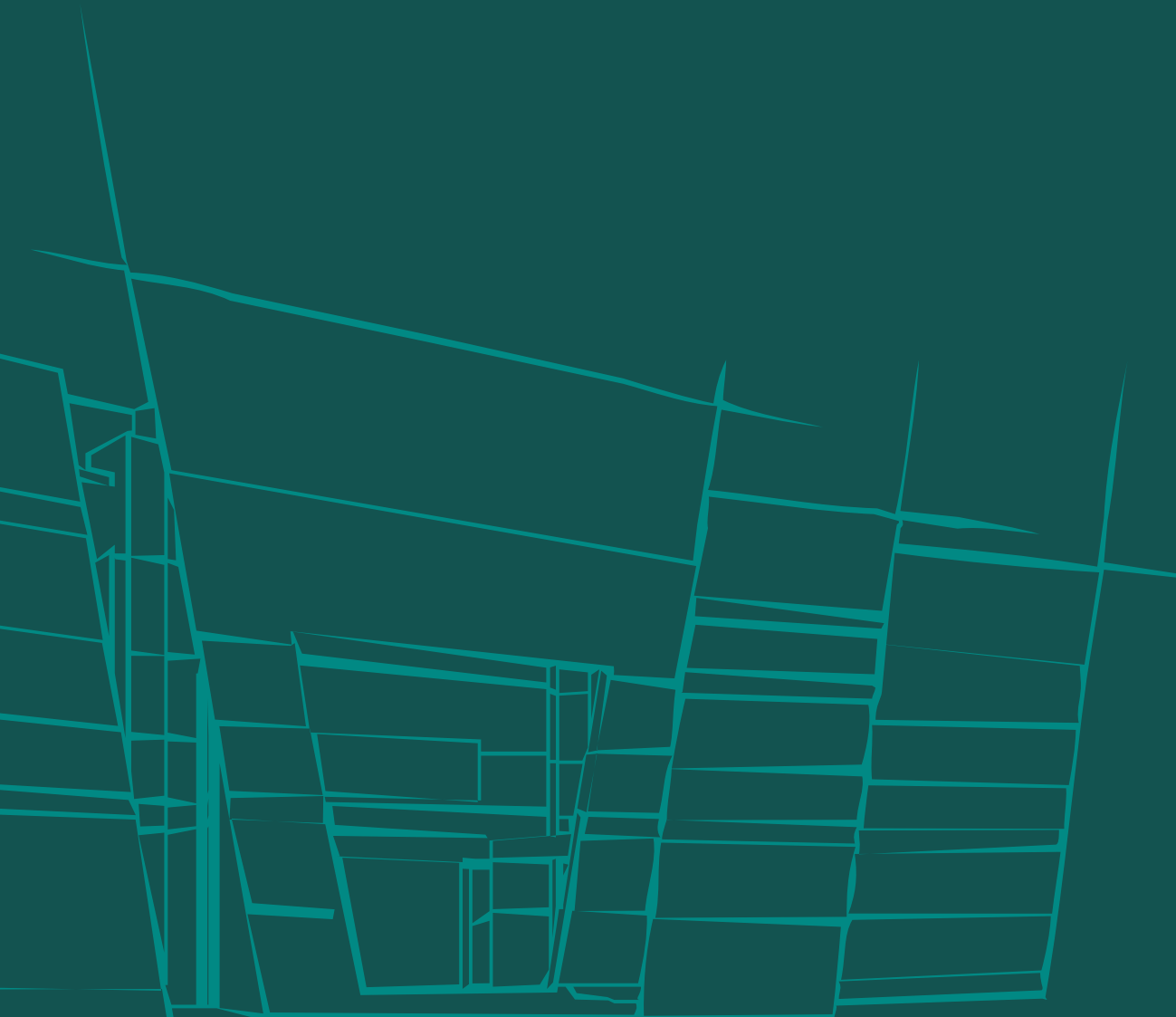
| S# | Development Project/Non-Development Name | Cost in Millions | Funding Agency | Initiation Date | Completion Date | Any other Information |
|----|--|------------------|----------------|-----------------|-----------------|-----------------------|
| I | Academic Block No. 02 under the Project "Strengthening & Expansion of the UOG and its allied campuses" | 144.033 | HEC | 05.12.2017 | 23.06.2020 | Completed & Handover |

Summary of Development Projects Completed During the Financial Year 2020-21 Respectively

| S# | Development Project/Non-Development Name | Cost in Millions | Funding Agency | Initiation Date | Completion Date | Contractor | Current Status along with any other information |
|----|---|------------------|----------------|-----------------|-----------------|--------------------------|--|
| I | Single Package Narowal" Construction of 02 Nos Academic Blocks, 01 No Admin & Librarian and 02 Student Hostels" | 981.277 | HEC | 10-03-2017 | 28-03-2021 | M/S NLC | Completed & Handed over to University of Narowal |
| I | Extention of existing prayer platform in front of the UOG masjid | 3.673 | UOG ADP | 25-06-2021 | 25-11-2021 | M/S S&G Associate Lahore | Completed & Handed over |

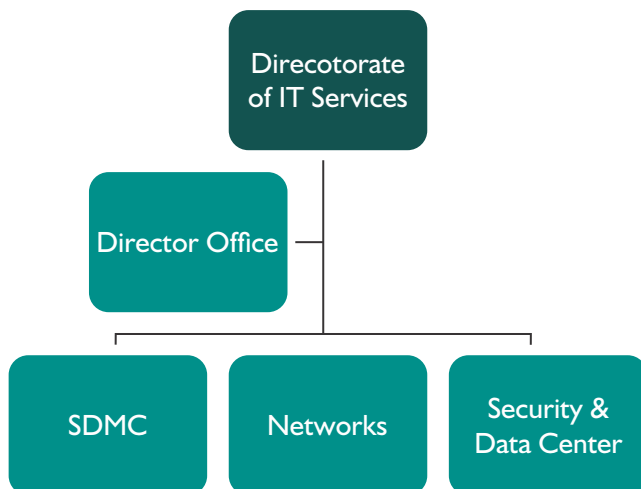
Chapter-8

Strengthening Technological Infrastructure



Organogram

The directorate of IT services with its associated wings i.e. Software Development & Maintenance Center, Data Center Team, and Network Operation Team has always a keen interest in the utmost facilitation of the UOG faculty and staff to achieve the highest level of academic qualification and quality research.



Software Development & Maintenance Center

The Software Development & Maintenance Team has been mandated to develop and maintain the software solutions for the automation of the business processes pertaining to the faculty, students, and the administration of the University of Gujrat.

It is worth mentioning that, other higher educational institutes have shown their interest to avail the services of this educational software solution.

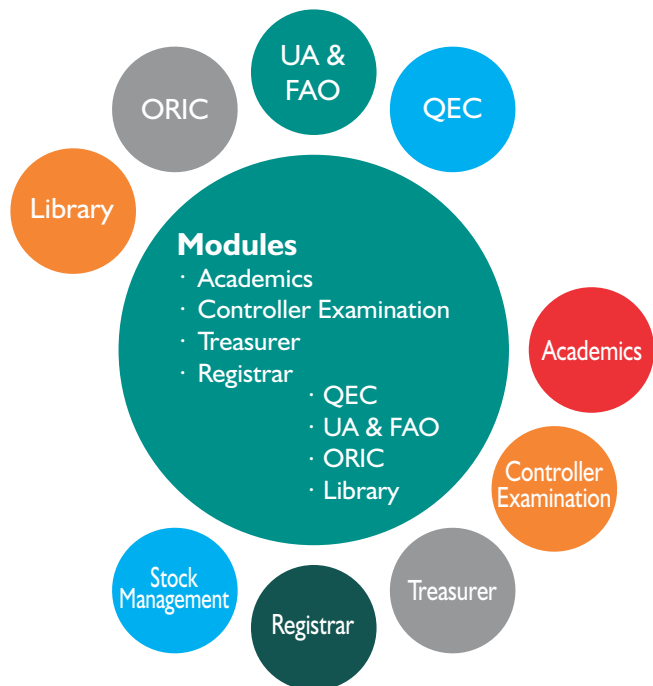
UOG Website (<https://uog.edu.pk>)

UOG website is designed in a manner to effectively serve as an informational hub for the public and gateway to the all integrated management systems for faculty, staff, and students.

Refined and updated details of Academics, Examinations, Research, Learning Resource Center, Career opportunities, News Updates, Quick Links, Hayatians Alumni Portal, Students Services Centre, Office of Research, Innovation & Commercialization (ORIC) and Press, Media & Publications may be sought from the UOG website.

University Administration & Management System

The key modules of the software may be conceptualized as mentioned in the subsequent figure



Student Academics

It is integrated module for management of academics-related matters of teachers and students. The academics module is further comprised of the HOD module and Dean module. Below mentioned figure briefly explains the features of the academic's module

Student Academics

- Academics Setup
- Automated Merit List Generated
- Student Account Generation
- Course Registration
- Teacher Allocation
- Online Quizzes
- Online Clearance
- Admission
- Dynamic Roll No. Allocation
- Dues Management
- Sections Management
- Time Table Management
- Assignments and Project Submission
- Online Result & Attendance
- Student Library

Academic
Setup

Admission

ILMS

Admissions

Following key features are offered in the Admission Module

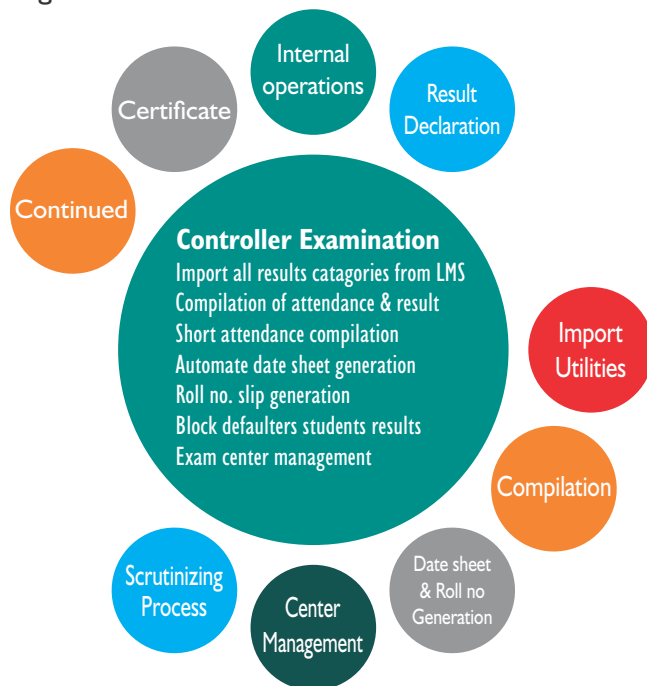
- The Admission Module offers Support of departmental as well as the central mode of admissions
- Online & Offline Support for admission application submission
- Program-wise merit criteria
- Automated merit list generation
- Merit list posting on the Website
- Admission Fee Challan Generation & Submission
- Seat allocation
- Roll number allocation
- Automated emails/ and necessary credentials creation

Integrated Learning Management System

- Integrated with University MIS
- Data Import and Export utility
- Student Attendance
- Results Submission
- Integration with controller examination module

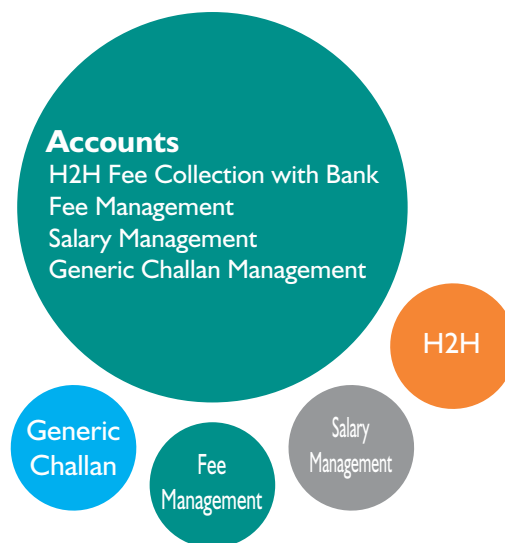
Controller Examination System

A complete automation suite for the smooth running of controller examination and its associated stakeholder's processes has been professionally engraved in this module



Accounts

All the financial transactions are tracked by the Accounts module of the University Administration & Management System. The module is designed with utmost accuracy, efficiency, and transparency.



Host to Host

Host to Host is the connectivity of the UAMS with the banks through a reliable, secure, and safe Application Programming Interface. It synchronizes the live status of university account details with the UAMS Accounts module. Moreover, it also facilitates students to submit their dues in any branch of the associated bank across the country

- Integrated with multiple banks
- Fee Submission through all the branches across the country
- Real-time Fee collection module
- Integration with all types of fee collection

Salary Management

- Salary Heads Management
- Salary Slabs Management
- Person wise fixation
- Salary Slips issuance
- Salary deductions
- Funds Management
- Automatic Increments Management
- Reports

Fee Management

- Batch-wise Fee Structure Management
- Challan Form Generation & Submission

- Miscellaneous Challan Form Generation & Submission
- Challan Form Tracking
- Linked with Admission & Course Registration
- Reports

Generic Challan Generation

This module allows any type of miscellaneous challans generation and its submission to synchronize status

- Challan generation through public access
- NOCs, Paper Rechecking Fees, Tender Fees, Annual System Student Dues, Fines, Residence utility bills etc.
- Affiliated Colleges Dues Collection
- H2H Integration
- Reporting

Registrar Module

- Human Resource Module
- Integrated Biometric Attendance
- Leave Management
- Directorate of Academic Coordination
- Academics Module
- Affiliation & Registration Module

Stock Management

- Asset Categories Management
- Assets Management
- Stock Entry Register
- Issuance
- Report

Quality Enhancement

- Online Surveys Conduction
- All types of HEC defined Surveys
- Comprehensive Statistical reports
- Faculty Held Reports
- Makeup Class Management

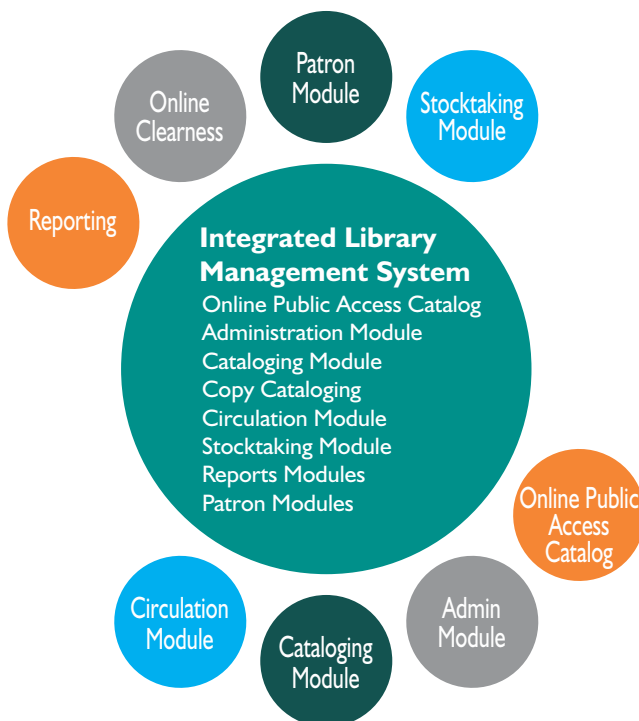
University Advancement & Financial Aid Office

- Scholarship Categories Management
- Category wise rules definition
- Automated Scholarship Award
- Scholar-Ship disbursements
- Scholar Ship Claims

ORIC Module

- Research Categories Management
- Research Profiling System
- Departmental Research Reports
- Publication Category wise reports

Integrated Library Management System



Data Center & Network Operations

UOG has a large I.T. set-up under the umbrella of Directorate of I.T. Services to carry out overall activities of I.T. Infrastructure, i.e., network development, expansion and maintenance, troubleshooting services (network, hardware, and software), an online publication of examination results, and comprehensive high-speed internet connectivity of 364 M.B.s internet facility for students as well as faculty/staff members. Pakistan Education & Research Network (PERN)

The PERN in UOG is fully functional with its key objectives to extend research, knowledge sharing, resource sharing, and distance learning by connecting people via Internet Resources. UOG is connected to PERN1 and PERN2 links provided by Higher Education Commission (HEC).

Through the HEC PERN facility, UOG provides the digital library facility with 15 available resources and enhances video conferencing quality. Usage details are as under:

| Tariffic Type | Types of Service (Description) | Unit |
|---------------|--|-----------------|
| Basic Traffic | International Bandwidth | 364 MBPS |
| | Intranet Bandwidth | 40 MBPS |
| | SUP Services | 210 MBPS |
| | IPv4 I.P. | 24 IP addresses |
| | IPv6 I.P. | |
| | Digital Library (Base Resources) | Functional |
| | Video Conferencing | Functional |
| | Turnitin Software/Services | Functional |
| | Licensed Software with Unified Communication | Functional |
| | I.P. Phone Services | Internal |

UOG Data Center:

UOG established a state-of-the-art tier-3 Data Center to support the increasing computing infrastructure needs. The Data Center is equipped with the state-of-the-art computing equipment with a dual path power supply backed by three backup sources of electricity. An open-source private cloud is deployed at this data center to provide high-end computing facilities using low-cost equipment by pooling the resources. It is also equipped with an enterprise storage solution for students and research activities.

Virtualization:

UOG DITS team has transformed its platform into totally virtual with different bare-metal hypervisors and now moving ahead towards server less computing with open-source software. Currently, docker engines, Kubernetes, and Linux stream are being utilized to transform the services for efficiency and to save resources.

Biometric Attendance:

To cater to the better observation and performance of the employees, biometric attendance has been put in practice for the last four years that has helped the university a lot to keep a check on its employee's performance.

Revamping of Network:

Directorate of I.T. Services revamped data network as per growing needs in different building blocks as 'when required basis'. Software and Access to the internet demand changes so do the passive network.

I.P. Based Surveillance System (SAFE Project):

The directorate of I.T. services has also upgraded the University's surveillance system using the latest technologies with I.P.-based cameras and established a central monitoring location. Moreover, this system is backed by a central storage system for surveillance data. As the primary campus grows its boundary, surveillance gets increased. More than 200 cameras are being used and recording has been kept for future analysis. The main library has been installed with new cameras, the perimeter has been covered, and entry points are now being equipped with detection recording devices. UOG has installed total security implementation at its perimeter, administrative blocks and academic blocks. Additionally, PTZ dome installations are installed to regularly monitor the surroundings of the university. Each vehicle entering into the university premises is being monitored and recorded. DITS DC has recording and archiving facility that can keep the data for fifteen days. Different vendor based and open source software are being used to fill the purpose.

Smart University Project

The Higher Education Commission (HEC) launched a Smart University Project (SUP) in Pakistan to digitalize the varsities through modern equipment. Moreover, for ubiquitous computing, the HEC has taken the initiative of Smart Campuses under which blanket WiFi coverage is being provided complementary initiative of Smart Bags, i.e. Laptop, computers, smartphones and PDA's.

Under this project, WiFi facility is installed at UOG HH Campus to provide free wireless internet access for students, faculty and researchers 24 hours. In addition, monitoring system is also deployed to monitor and manage their respective wireless network.

The installed SUP Project enables users to freely access the internet in all open and indoor areas with a minimum of 60 percent of signal strength, power backup units (UPSs) for 24x7 services, and an achievable data rate of 10Mb to each user.

The PERN dedicated link of 210 Mbps is provided for SUP project services. The ultimate objectives of such initiatives are "Transformation towards Smart Universities" leading towards "Smart Education".

Video Conferencing Facility

In UOG, the video conferencing facility has become a key method for teaching and training faculty and staff members. This technology is much helpful for university business and organizational training purposes. Instructors and trainers must develop new knowledge and skills to understand this technology and realize and use its potential for constructive purposes.

Security Operation Center

DITS data center team is in process of finalizing the SOC for its production machines to keep an eye on the malicious and abnormal activities to protect its online resources from zero-day attacks and vulnerabilities. Due to the expertise of our team, we are heading towards open-source standards and adopting the solutions with our own designed modifications.

Monitoring

DITS has deployed a complete monitoring system that is capable enough to monitor the bandwidth, system utilization, and resources consumption of its servers, switches, and firewalls. Our team always monitors the resources with a proactive approach and informs the concerned in time to protect from any risky activity.

Environmental Control System

The UOG data center has deployed a complete environmental control system to protect its resources. Five different types of sensors are being used that is, smoke detectors, break sensors, temperature sensors, water sensors, humidity sensors.

Next-generation security

The UOG has protected its resource with a next-generation firewall and the appliance is working in redundant mode. University has an approved internet usage policy which is enforced by firewalls.

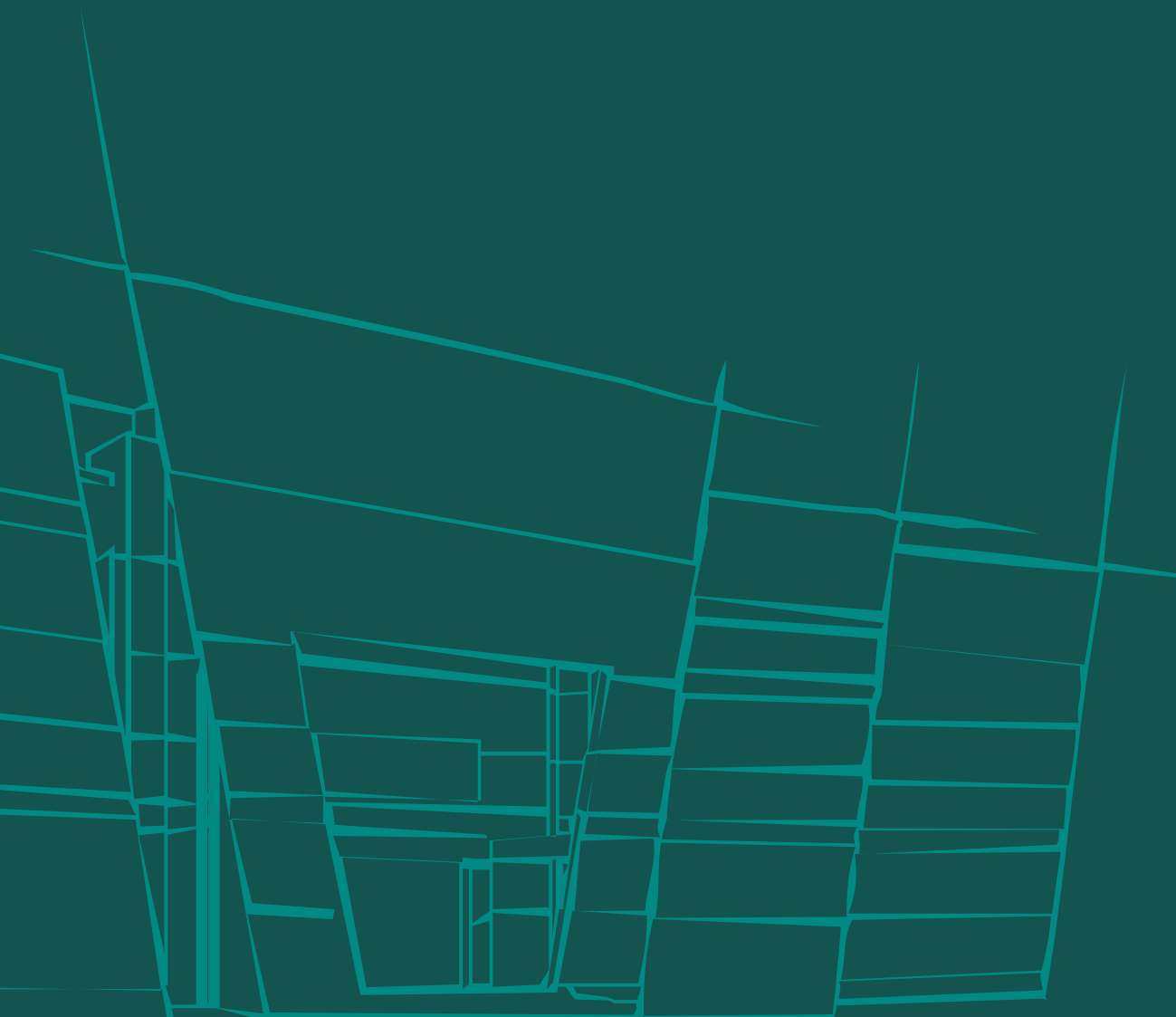
VoIP

The UOG is planning to migrate its analog telephony towards digital telephony services with famous asterisk PABX and yealink phone extensions with SIP trunks. At the moment, the university premises and its constituent colleges are running internal digital telephony services which incur no cost. IP phone application can be installed at mobile phones which support android operating system with the provision.



Chapter-9

University Building Communities



University-Community Interaction

Being a higher education institution, the University of Gujrat has a keen interest in building strong relationships with local communities for imparting standardized education and research. The academia community linkage and interaction is the key to launch community-based projects for strengthening the growth of the education system and enhancing the literacy rate as assigned by the Higher Education Commission according to our National Education Policy.

The university plays a major role in building up a community for accomplishing the set national targets. The awareness and an urge for education can easily be traced out with community involvement. The UOG is intrinsically an important institution in North East Central region of the Punjab province for helping the socio-economic development of the community. Our faculty and the students, the offices concerned, the university alumni and various societies are the main source and drive for community building.

The UOG undertakes to play a leading role in serving the community and opening up new opportunities for the community's people who wish to improve their lives. To the successful implementation of these tasks, the UOG Student Services Centre (SSC), the Office of Research, Innovation and Commercialization (ORIC) and the Business Incubation Center (BIC) have chalked out a strategy for community participation to encourage a healthy educational environment. The SSC has organized a number of programs for the community interaction and development in which local people have also participated. These programs were beneficial for varsity's sustainable academic development and for interacting with people who participate for the development of the UOG through funding and financial grants. The UOG adopted three vital modalities for community interaction:

- 9.1.1 Collaboration: Establish collaboration between the UOG and the community for achieving mutual objectives and goals.
- 9.1.2 Social Customs and Developments: The UOG conducts research and identifies the society's values and customs for sustainable social development.
- 9.1.3 Health and Education Awareness: To introduce health and education

awareness through community interaction programs, i.e., educational expos, functions and through alumni forum.

Furthermore, the SSC has established three forums for encouraging the role of the university in community building, i.e., Internship & Placement Office, Career Counseling Office and Hayatian's Alumni Association. These forums are also involved in carrying out all the activities of community building through numerous societies.

University Role In Building Community

The UOG provides open access to surrounding communities for getting higher education.

- 9.2.1 It supports furnishing of skills to populace living in its vicinity as forthcoming human resource through professional education.
- 9.2.2 It hires skilled and professional staff from nearby villages and towns. FM 106.6 radio serves a large population in a 50km radius. Its programmes offer information, news, and entertaining material to all kinds of listeners.
- 9.2.3 The UOG has demarcated four Union Councils where students are able to conduct surveys and research with friendly inhabitants.
- 9.2.4 Various departments assign projects and activities to the students that may involve productive and beneficial activities for the community. For example, students of the Communication Department launched a dental awareness education program in nearby villages.
- 9.2.5 The Campus FM Radio plans to broadcast programmes for a variety of its audiences among the communities.
- 9.2.6 The UOG has made an in-depth research on neighbouring communities of the varsity and compiled a data bank which forms a basis for further researches in different disciplines.

Alumni Affairs

The University of Gujrat established its Haytians Alumni Association with the aim to strengthen university-community interaction for the development of socio-economic growth and specific health sector.

The university alumni are fostering the lifelong connections between students and faculty for the development of university academics and ensure the provision of financial and technical assistance for deserving students in the shape of scholarships. It also promotes, encourages and assists in effective communication between the faculty and the alumni to play their crucial roles in community development. The university alumni forum encourages the students to participate in productive activities such as students' recruitment and career development. The members of the Haytians' Alumni Association represent the university within the society as ambassadors of the varsity for achieving its desired objectives.

The purpose of the Haytians' Alumni Association is to provide opportunities for Haytians' alumni, students, family and friends to support the UOG key strategic initiatives which include the revitalization and expansion of financial resources, achieving academic excellence, enhancing research and creative initiatives by engaging the community for achieving its goals.

Achievements of Haytians Alumni

The university alumni have achieved their desired objectives within a short span of time and enhanced the university academic strength at national level. The Haytians Alumni Association forum plays a key role in

the development of the university and fund raising for deserving students in the form of scholarships. Followings are the achievements of alumni in the year 2017-18:

- 9.4.1 Organized several events for university-community interaction and promotion of research based culture in this region.
- 9.4.2 Arranged Alumni Annual Dinner for interaction between the students and the faculty and announcement of key initiatives.
- 9.4.3 A large number of faculty members and students have been registered on the forum of university Alumni.
- 9.4.4 Established new links with local communities and industry for working on common interest areas and boasting the socioeconomic development.
- 9.4.5 Provided career opportunities to university graduates through our internship program and also industry internship initiatives.

Leadership Qualities

For the moral and intellectual grooming of the students, the UOG consistently organizes a wide array of co-curricular activities with a view to producing leadership qualities such as confidence, initiative-taking, decision-making and communication skills among the students.

The university sports department encourages the



students to participate in the university as well as national-level games.

The UOG has demonstrated outstanding results in co-curricular activities like debating, public speaking, exhibitions, poetry competitions, essay writing, quizzes, drama, art and painting. It is documented by the success of our students in the national level competitions. The summary of the co-curricular activities is carried out through sports department, academic departments concerned as well as student societies.

The office of co-curricular activities at the SSC manages the planning and execution of student organization events, coordinates numerous events in collaboration with academic and non-academic departments.

More than 40 societies are currently working efficiently to provide an exciting and vibrant campus life. These societies conduct inter- and intra-university competitions. HITS, IEEE, TedX, Lafz, Kasauti, Theatre, Literary Festival, and Inquisitive are some of the flagship events of the campus.

In addition to already registered 43 student societies at the UOG the new leadership envisioned to form technical societies so that our students may get connected with the international forums like IEEE, AICHIE, SHRAM, PIE, OSFP, and many more.

The Following are a few Events that were arranged during 2020-21:

October 08, 2020

One Day online Workshop on Freelancing
Student Statistical Society

October 27, 2020

Awareness Walk on Breast Cancer (Pink Ribbon Youth Program)
HBBS

October 27, 2020

Seminar on Indigence Research Resources Development
Library & PASTIC

December 24, 2020

Teachers Training titled e-Pedagogy: Interactive Content Development'
ORIC

January 01, 2021

Awareness Webinar: Combating SMOG; Community Responsibilities and the role of Government
Speak & PDMA, Lahore

January 04, 2021

Faculty training/lab on "E-Pedagogy: Interactive Content Development" (effective utilization of blended learning/teaching approaches)
ORIC & IT Services

January 27-28, 2021

A two-day international Virtual webinar "COVID-19 Biochemical Perspective and preventive measures" the two-day webinar
JBH Chemist Society

February 05, 2021

Walk on "Kashmir Solidarity Day" February 05
Student Services Center (SSC)

February 11, 2021

One Day Training Workshop on QS and UI Green Metric Ranking
QEC

February 25, 2021

International webinar "Biocompatible Nanomaterials: Applications, Trends and Technicalities"
Jabir Bin Hayan Chemist Society

March 08, 2021

A Week-Long Training Sessions Titled "National Financial Literacy Program for Youth"
SSC & Stat Bank of Pakistan (NIBAF)

March 11, 2021

Oath Taking Ceremony of New Heirarchy 2021
Software Engineering Society

March 11, 2021

Workshop on "Role and Rights of Muslim Women in Society"
Hayatian Islamic Forum (HIF)

March 11, 2021

Oath-Taking Ceremony and Membership Drive for HIF new Team
Hayatian Islamic Forum (HIF)

March 11, 2021

**Seminar on “Indian Chronicles Info
Weaponisation against Pakistan”**

Political Science & IR Society

March 10-12, 2021

**Training Workshop on “Practical Statistical
Analysis Using Minitab in Plant Sciences”**

Botanical Society & SSS

March 22-23, 2021

**Interdepartmental Online Quiz Competition to
Celebrate the Pakistan Day (March 23)**

Educator Society

March 27, 2021

**Webinar on Research Trends in Data Science
with Dr Ikram Ullah Lali**

Software Engineering Society

March 28, 2021

**Inter Faculty Online Gaming Competitions
(PUBG)**

Software Engineering Society

March 29, 2021

**Online Seminar on “The Lahore Resolution
Revisited”**

Political Science & IR Society

March 31, 2021

**Webinar on “Earning with Learning” with
Hurwa Zafar and Nimra Ruaf**

Computing Society (MB Din)

April 12, 2021

**Webinar Titled “Be Your own Business with
Freelancing”**

Hayatian Computing Society (HCS)

April 02, 2021

**Webinar on “A Talk with Reknowned Physicist
from Mandi Bahaud Din “Prof Dr Majid
Sindhu”.**

Physics Society (MB Din)

April 05, 2021

**Webinar titled “A Talk with Successful Business
Personality of Pakistan”**

Business Society (MB Din)

April 06, 2021

**Webinar on “Tools to Write and Manipulate
Mathematics on Computer”**

Mathematical Society (MB Din)

April 07, 2021

**Online Training workshop on “Declamation and
Public Speaking”**

The UOG Debating Society

April 13, 2021

**Webinar on “Technology and Gadgets in our Life
and Ramadan By a Scientist”**

Computing Society (MB Din)

**April 18, 2021 Online Session on “Message of
Ramadan” by Abdul Wahab Attari**

Hayatian Islamic Forum (HIF)

April 21, 2021

Membership Drive for Odeum Art Society

Odeum Art Society

April 28, 2021

**One-Day online Workshop on Parliamentary
Debates**

Debating Society

May 04, 2021

**One-Day webinar titled “Palestine and Our
Role” by Nasir Abbas Shirazi**

Hayatian Society of Pol. Sci. & IR

May 04, 2021

**Webinar on Secrets to win with Muhammad
Shakeel**

Hayatian Computing Society (HCS)

**One-Day Online interactive session on “Quizing
& anchoring” with Mr Safyan Ahmed Quraishi**

Hayatian Quiz Society (HQS)

May 09, 2021

**Inter Society Quiz Competition 2021 on “Seerat
e Ramazan”**

Hayatian Quiz Society (HQS)

May 10, 2021

**Online Session on “Civic Sense” by Islamic
Scholar Mr. Soban Attari**

Hayatian Islamic Fourm

May 11, 2021

One-Day online Workshop on “Content Writing” by Mr Muhammad Haider Mairaj

The UOG Debating Society

May 12, 2021

One Day Online interactive session on “Quizing Competitions” by Mr Awais Ahmad Azad

HQS

May 17, 2021

Orientation session for new family of Odeum Art Society

Odeum Society

May 22-23, 2021

Two-Day International Training Workshop on “Research Article Writing”

CeLTS

May , 2021

Three Day Workshop on “Dissertation Writing in Social Sciences and Humanities”

IKSSO

May 21, 2021

Virtual Meetup session with Asma Tariq, Engr Adil Mehmood and Syed Mohsin Bukhari

Readers Club

May 27, 2021

Workshop on “How to write an effective research paper”

Physics Society

May 31, 2021

Session on “ Hamas Victory in Current War” in Solidarity with the Palestinians

Hayatian society of PS & IR

May 31, 2021

Workshop for Content Writers by Nafeesa Qamar and Misbah Kiran

Odeum Art Society

June 08, 2021

Inter University Quiz Competition titled “Calculus Genius 2021”

Mathematical Society

June 05-06, 2021

Online Gaming Competition 2021.

Hayatian Computing Society

June 05, 2021

12th Inter-Departmental and 4th Inter-Campuses Debate Competition titled Takraar' 21.

The UOG Debating Society

June 06, 2021

Webinar / Interactive session for new Quizers / members by Ex-President Mr Hussain Ramzan.

Hayatian Quiz Society

June 05, 2021

Workshop on Art of Acting & Theatre by Muhqammad Islam (Content Creator & Artist).

Odeum Society

June 13, 2021

Introductory Session on Final Year project with M. Sami Ullah

Hayatian Computing Society (HIF)

June 17, 2021

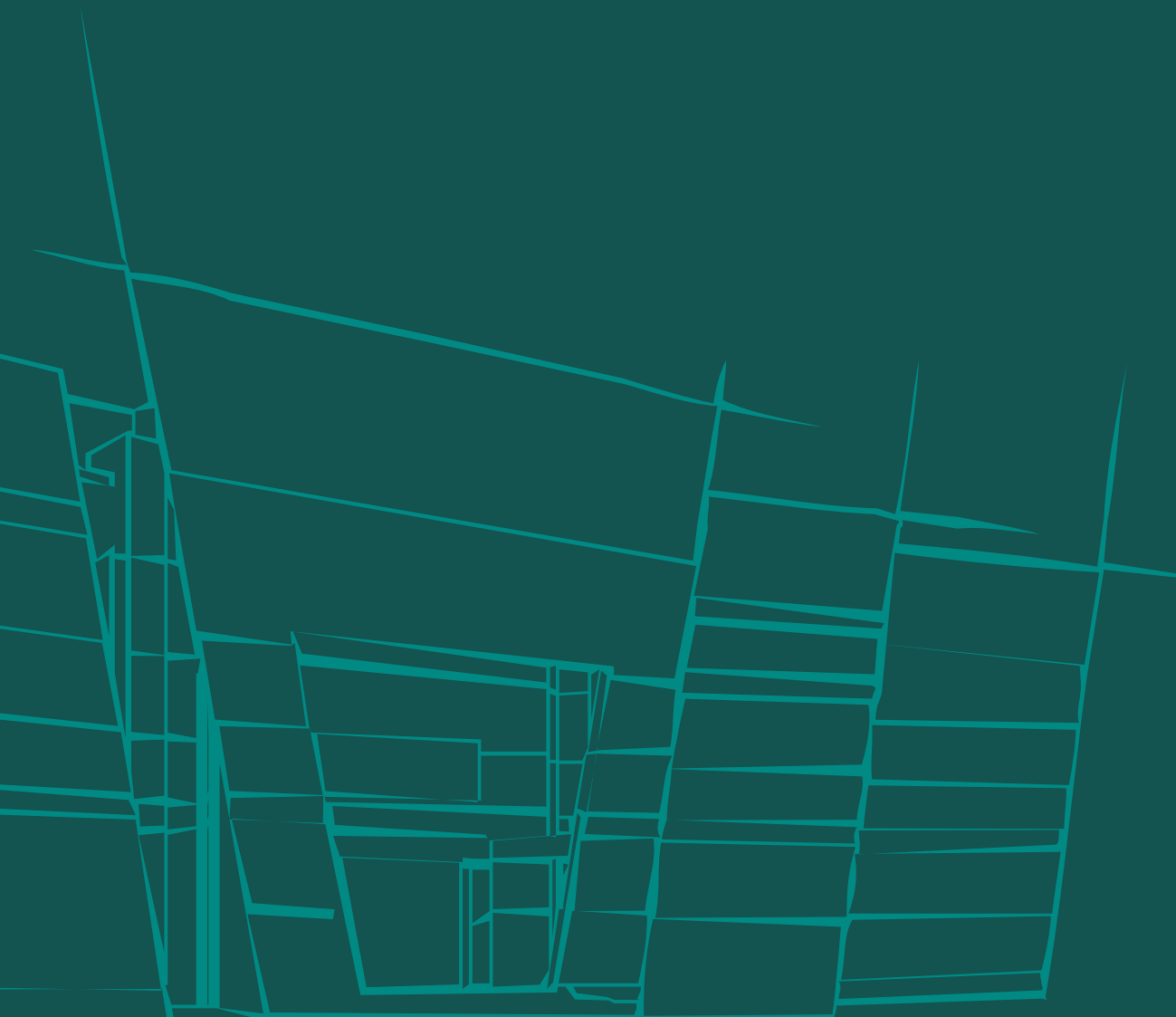
Webinar on “Political & Religious Narratives on Social Media and Cognitive Dissonance among Youth”: A Perspective on Social Polarization”

Readers Club (Mass Communication)



Chapter-10

Sports



The Sports Department was established in 2007. The Sports Department at the UOG provides all essential facilities to the students for physical activities, particularly sport purposes for the well-being and healthy grooming of the youth. Hundreds of scientific studies and researches across the world have conclusively proved that regular physical activities lead to higher life expectancy and better quality of life by maintaining fitness. Accordingly, the UOG Sports Department provides following facilities/services to the students:

1. Indoor sports facilities for male & female students such as, Basketball, Gymnastics, Chess, Badminton, Karate, Netball, Table Tennis and Weightlifting.
2. Outdoor sports facilities for male and female students in the athletics, cricket, football, kabaddi, volleyball & tug of war.
3. Conducts Sports Gala each year in which students from Hafiz Hayat Campus, all city campuses and those in other cities participate.
4. Conducts Inter-faculty Championships on annual basis.
5. Conducts Inter-departmental Championships on annual basis.

6. Ensures participation in Intervarsity Championship almost every year.
7. Provides training & coaching facilities to student players for participation in Intervarsity Championships.
8. Provides non-consumable sports gears for preparation and participation in championships.
9. Assists all Departments of the UOG to organize their Sports activities.
10. Arranges interdepartmental tournaments and friendly matches with other universities and colleges.

The indoor sport activities are expanding by Allama Iqbal Hall as Multipurpose Hall at the UOG. Higher Education Commission, Islamabad, provides the funds. The purpose of this facility is to encourage students' indoor sports activities. With the provision of this facility, the sports activities like Badminton, Basketball, Chess, Gymnastics, Karate, Netball, Table Tennis, Weightlifting etc. have become popular among students.

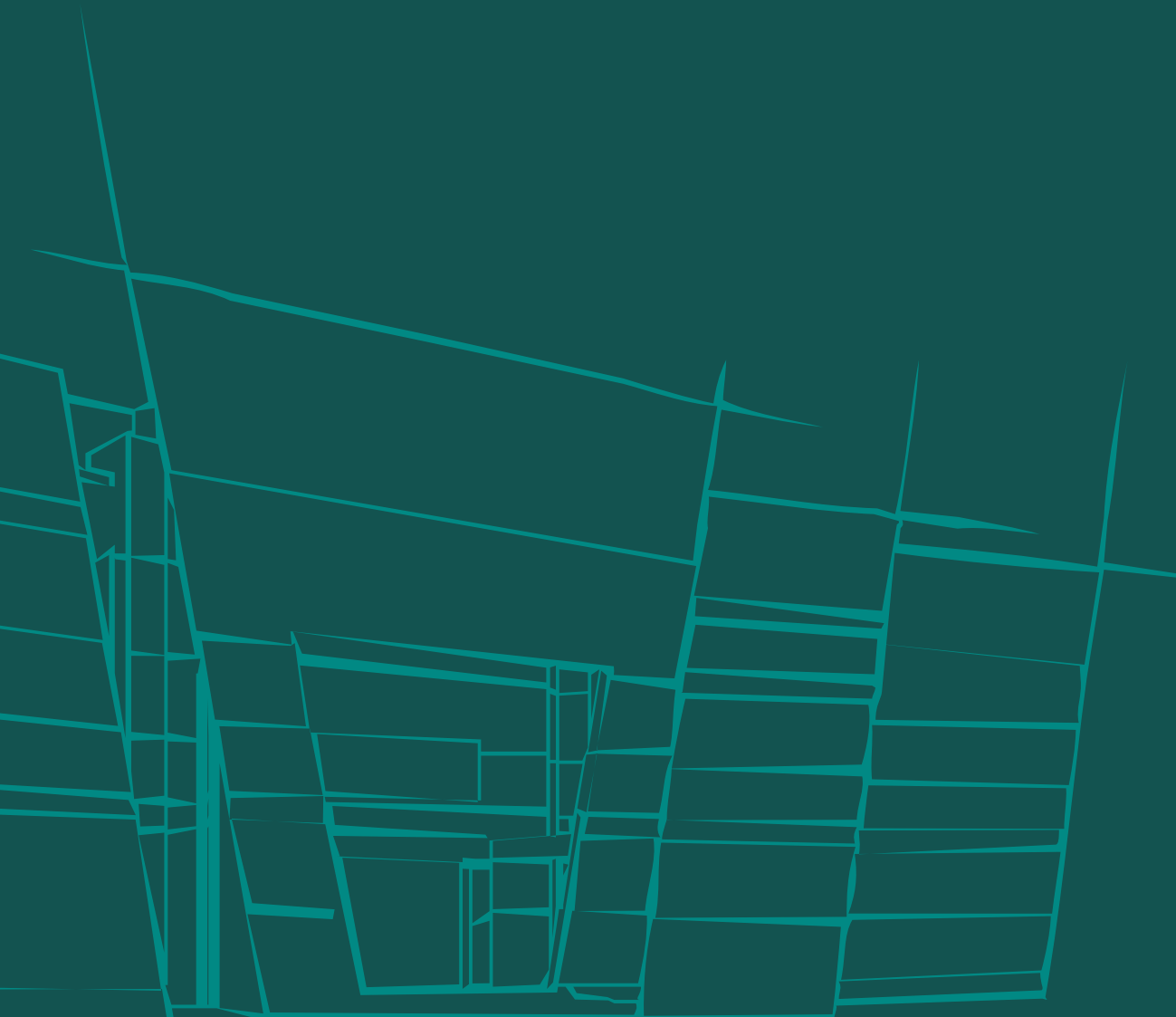
Event Details

Due to COVID-19, no sports activities were organized during 2020-21.



Chapter- I I

Development of Leadership Qualities



Faculty Leadership (Awards and Representation in Policymaking Committees, Memberships, etc.)

The UOG faculty members have actively participated in the educational sphere for upgrading/improving the higher education sector in Pakistan. Apart from leadership roles, the faculty and staff members keenly participate in several activities to develop the same as any student, Details as under:

Committee for Collection of Material, Designing, Printing and Final Distribution of Official Printed Table Calendar 2021

Convener:

Dr. Ghulam Ali (Head, CeLTS)

Members:

- Mr. Anwar Ali (Lecturer, Department of Design)
- Agha Hussain Jafferi (Manager Printing Press)
- Mr. Mansoor Amin (Publication Officer)

UOG Masjid Committee

Chairperson:

Dr. Zahid Yousaf (Chairperson, Mass Comm)

Members:

- Dr. Muhammad Nawaz (Assoc. Prof., Islamic Studies)
- Dr. Shahzad Murtaza (Assistant Professor, CS)
- Mr. Najeeb Ur Rehman (Assistant Professor, CS)

Member/Secretary:

Mr. M. Bakht Nawaz (Deputy Registrar, Estate Care)

Study Leave Committee, UOG

Chairperson:

Prof. Dr. Fauzia Maqsood (Chairperson of Sociology)

Members:

- Prof. Dr. Audil Rashid (Chairperson of Botany)
- Mr. M. Raees Ashraf (Deputy Registrar (E-II))

Member/Secretary:

Mr. Waqas Ahmed (Superintendent (L&C))

Committee for Assessment / Evaluation of Ideas/Business Plans

Convener:

Senior Most Dean

Members:

- Dean Faculty of Social Sciences
- Dean Faculty of Science
- Dean Faculty of Engineering
- Director SADA
- Director ORIC
- Head Department of Management Sciences
- Head of relevant Department
- Representative, Gujrat Chamber Commerce & Industries
- Representative of Industry/Sector
- Start-up Consultant/Specialist
- Public/Private Sector University/BIC Representative
- Manager University Linkages,

Secretary:

In-Charge BIC

Committee for Ehsas Undergraduate Scholarship Program for the Year 2020-21

Chairman:

Prof. Dr. Shabbar Attique

Vice Chancellor, UOG

Members:

- HEC Representative
- Dean / Chairperson Concerned
- Dr. Sumaira Afsheen (Associate Professor of Zoology)
- Dr. Ghulam Abbas (Associate Professor of Chemical Engineering)
- Ch. Abdul Razzaq (Principal, Govt. Zamindar Postgraduate College, Gujrat)
- Ms. Tahira Shaheen (Assistant Professor/Principal Ibn-E-Ameer College, JPJ)
- Haji Amjad Farooq (CEO, National Furnishers (Pvt) Ltd. Gujrat)
- Ms. Safia Javed (MPA/Member UOG Syndicate)
- Ms. Tanzeela Qamar Gill (Director, UA&FAO)

Secretary:

Ms. Tahira Saddiqua Zoofishan (Scholarship Officer, UA&FAO, UOG_

Committee for Institutional Performance Evaluation for Financial Year 2020-21

Convener:

Prof. Dr. Shahid Iqbal

Dean Faculty of Engineering & Technology

Member:

- Mr. Muhammad Raees Ashraf (Deputy Registrar (E-II))
- Dr. Khalid Iqbal (Deputy Manager (R&D), ORIC)
- Mr. Hassan Abdullah (Assistant Controller, P&D)
- Ms. Shama Tahseen (Deputy Registrar, SSC)
- Mr. Muhammad Adil Dar (In-Charge Estate Care)
- Mr. Al-Murtaza Turabi (Budget & Accounts Officer, Purchase Officer)
- Mr. Mansoor Amin (Publication Officer, PMP)
- Ms. Zarfishan Shabbir (Deputy Registrar, DAC/ACAD)
- Mr. Ijaz Ahmed (Director QEC, GCWUS)

Member/Secretary:

Dr. Shahzad Murtaza (Director QEC)

Institutional Scholarship Awarding Committee for selection of Students Against Various Scholarship Financial Assistance Programs Announced During the Academic Year 2020-21 like HEC Need Based Scholarship, UOG Tuition Fee Concession Programs, PEEF, PBM, Pak Scottish and etc.

Chairperson:

Prof. Dr. Shabbar Attique

Vice Chancellor, UOG or (His Nominee)

Members:

- Prof. Dr. Fauzia Maqsood (Professor of Sociology)
- Prof. Dr. Zafar Iqbal Gill (Principal NSMC) or (His Nominee)
- Dr. Razia Iqbal (Director UOG City Campus (Marghzar Colony) Gujrat)
- Mr. Asif Sharif (Director SADA)
- Prof. Dr. Audil Rashid (Director OIRC)
- Ms. Tanzeela Qamar Gill (Director UA&FAO)
- Mr. Ghulam Mustafa Mir (Assistant Professor/Director, UOG City Campus (G.T Road), Gujrat)
- Dr. Abdul Majid (Chairperson, Department of Physics)
- Dr. Faisal Mahmood Mirza (Chairperson, Department of Economics)

- Dr. Zahid Yousaf (Chairperson, Center for Mass Media & Communication)
- Dr. Ashfaq Ahmed Mirza (Head Department of Management Sciences)
- Dr. Naeem Abbas (Associate Professor of Electrical Engineering)
- Mr. Ikram Ul Haq (Assistant Professor/Coordinator Evening Program UOG City Campus (Marghzar Colony) Gujrat)
- Dr. Fiaz Majeed (Head Department of Software Engineering)

Secretary:

Ms. Tahira Saddique Zoofishan

Deputy Manager Financial Aid Office

Committee to Probe the Matter of Involvement of Dr. Syed Muhammad Ali and Dr. Muneeba Aftab, Resident Medical Office, Nawaz Sharif Medical College, UOG

Convener

Prof. Dr. Muhammad Attiq

Chairperson, Department of Surgery, NSMC, UOG

Members:

Dr. Zahid Azam Ch. (Assistant Professor of Community Medicine, NSMC)

Member / Secretary:

Mr. Adeel Ejaz (Administrative Officer, NSMC)

Committee for connection with receivable from old canteen contract with mandate to recover the loss besides fixing of responsibility

Convener:

The Dean Faculty of Engineering & Technology, UOG

Members:

- Dr. Razia Iqbal Jafri (Associate Professor of Zoology)
In-Charge Estate Care

Member / Secretary: Additional Treasurer, UOG

Accreditation Committee

Convener:

Dean Faculty of Engineering & Technology, UOG

Members:

- Head, Department of Computer Science

- Head, Department of Information Technology
- Head, Department of Software Engineering

Secretary:

Mr. Muhammad Naeem Butt

Deputy Registrar, Affiliation & Registration

Committee to Review & Negotiate the Plan Regarding Housing Project for Employees of UOG

Chairman:

Prof Dr. Muhammad Mushahid Anwar

Professor of Geography/Dean Faculty of Science

Member:

- Mr. Rana Muhammad Nadeem Ashraf (Deputy Director (Works))
- Mr. Faisal Mumtaz (Deputy Treasurer, UOG)

Secretary:

Mr. Muhammad Bakht Nawaz (Deputy Registrar)

Committee to Probe into the Matter of Photocopy Shop at UOG City Campus, Marghzar Colony

Convener:

Prof. Dr. Farish Ullah (Dean Faculty of Arts)

Member / Secretary:

Mr. Muhammad Bakht Nawaz (In-Charge Estate Care & Maintenance)

Committee for Dealing with all Requests Pertaining to Faculty/ Employees Prevailing Housing Allotments Under the Relevant UOG Rules

Chair:

Dr. Zahid Yousaf (Chairperson)

Members:

- Mr. Nouman Manzoor (Assistant Professor of Architecture)
- Mr. Muhammad Raees Ashraf (Deputy Registrar (Estb))

Secretary:

Mr. M. Bakht Nawaz (Deputy Registrar, Estate Care)

Committee to Probe into the Matters Pertaining to Recovery of all Record/Material of Printing Press, UOG from Mr. Sajid Iqbal Ahmed Tarar (Deputy Registrar/Ex-Incharge printing press) and Mr. Irfan Javaid (Deputy Manager Press)

Convener:

Dr. Muhamamd Ashfaq

Associate Professor, Department of Chemistry

Secretary:

Mr. Bilal Ashraf (Assistant Registrar (SSC))

Committee with Regards to E-Office Implementation at UOG

Convener:

Dr. Faisal Mehmood Mirza (Director Purchase)

Members:

- Mr. Faisal Ijaz (Additional Controller of Exam)
- Mr. Khalid Iqbal (Deputy Manager ORIC)
- Mr. Ghulam Safdar Malik (Deputy Treasurer)
- Ms. Farhat Kausar (Deputy Director QEC)
- Engr Syed M. Ali Shah (Administrative Officer)

Secretary:

Mr. M. Umar Warraich (Assistant Director, ASRB)

Re-Notify Committee for Grant of Plan to Staff (Regular & Contract) of UOG by HBL (UOG Branch) on Subsidized Service Charges University Guarantee

Chairman:

Prof. Dr. Shahid Iqbal

Chairperson, Department of Electrical Engineering

Members:

- Ms. Tanzeela Qamar (Director, UA&FAO)
- Mr. Ghulam Safdar Malik (Deputy Treasurer)

Member / Secretary:

Ms. Afshan Riaz (Assistant Treasurer)

Student Leadership (Co-curricular Activities)

The UOG organizes various co-curricular activities for developing leadership qualities among the students. These co-curricular activities are organized at all levels for grooming of the youth both intellectually and morally. The UOG sports department encourages the

students to participate in university and national level games.

The UOG has produced outstanding results in the co-curricular activities like debating, public speaking, exhibitions, poetry competitions, essay writing, quizzes, drama, art, and painting. It is documented by the success of our students in the national level competitions. The details of extra-curricular and the co-curricular activities are carried out through sports department, academic departments concerned and students' societies. The SSC supports in the planning and execution of student-organized events through collaboration and coordination with academic and non-academic departments.

Students societies provide a platform to students to participate in the extra-curricular activities at the regional and national levels. Extra-curricular office at the SSC encourages the students to showcase their abilities and skills by taking part in different events.

The office also helps students build community, gain leadership, develop interpersonal skills and contribute to the campus community and beyond. Students' societies provide the medium for academic discourse, personal growth, leadership development, intercultural understanding, community service and lasting friendship. Out of class room activities play an important role in a university experience and enrich the student life by multitude of opportunities.

There are total 37 Students societies actively working at the Student Services Center. The List of student societies is as under:

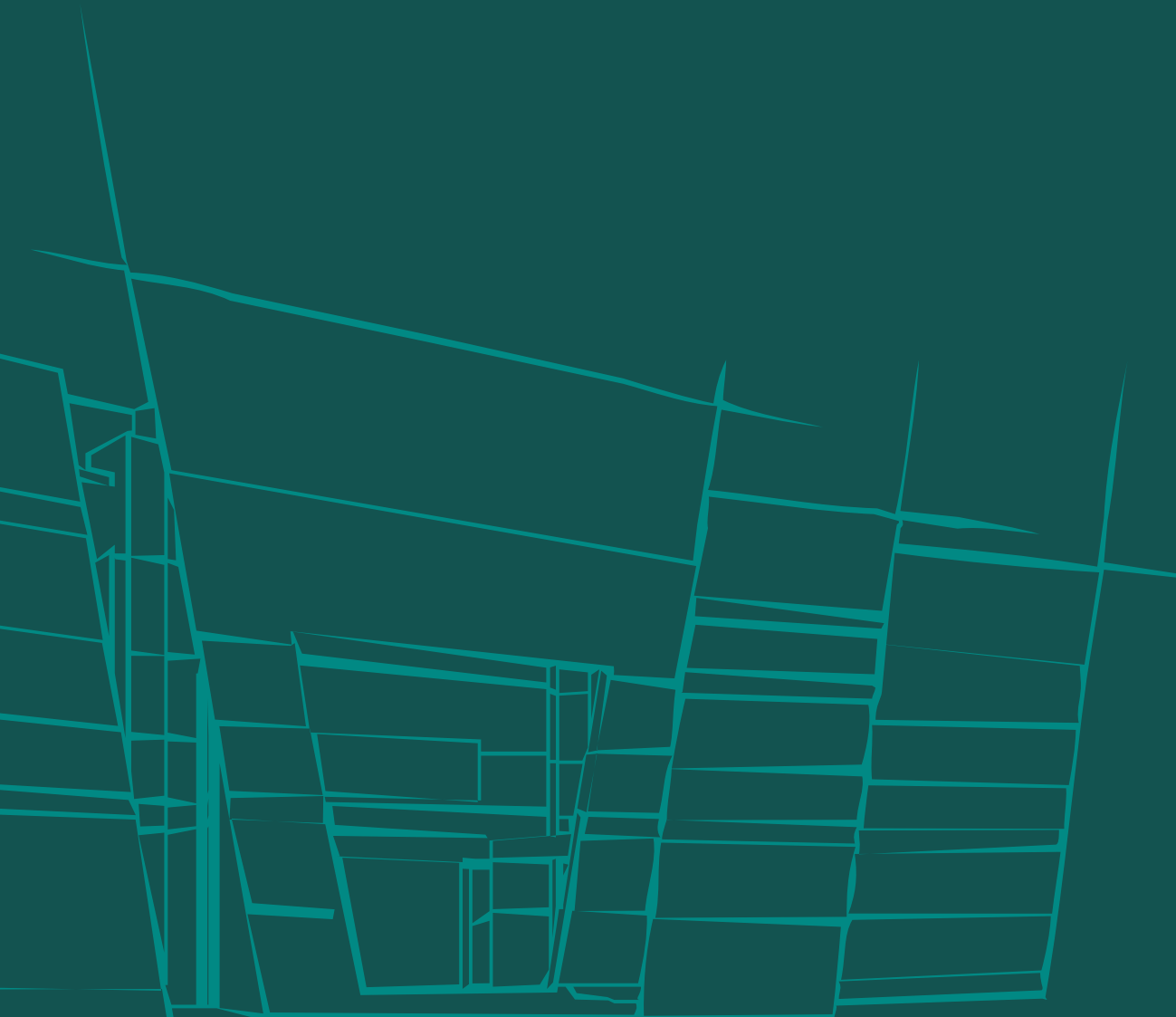
- Odeum Arts Society
- UOD Debating Society
- Kalakar Creative Arts Society
- UOG Music Society
- Hayatians' Quiz Society
- Hayatians Blood Donation Society
- Qalamkar Creative Writing Forum
- Hayatian Islamic Forum(HIF)
- Mathematical Society
- Jabir bin Hayan Chemical Society
- Students' Statistical Society
- Botanical Society
- Hayatian Biochemistry & Molecular Biology Society
- Physics Society
- Zoology Society
- UOG Green Society
- Hayatians' IT Society
- Hayatian Psychological Society
- SPEAKS
- UOG Economics Society
- Hayatian Technologist Society
- Chemical Engineering Society
- Software Engineering Society
- Character Building Society
- Readers club
- Ibn e Khaldon Sociological Association
- SAFE (Commerce)
- HR Club
- Hayataian Society of Political Science & IR
- UOG English Society
- Law moot Society
- Educator Society
- Social Entrepreneurial Society
- Hayatian's Computing Society
- The Organizer Club
- Mechanical Engineering Society
- (Elex Society) Electrical Engineering Society





Chapter-12

Finance



Office of the Treasurer

Office of the Treasurer is primarily entrusted to manage property, finances and the Investments of University and its Fund. The University Fund is comprised of all moneys received in form of fees, donations, trusts, bequests, endowments, contributions, grants and other sources. Role of the Office of Treasurer as Secretariat of Finance & Planning Committee (an Authority under University of Gujrat Act 2004) include Financial planning, advising, executing and reporting of Fund based accounting i.e. preparing annual and revised budget estimates of University.

The other proprietary role of the office of Treasurer is to ensure that funds of University are expended on the purposes for which they are provided. In order to ensure this responsibility, it is authorized to devise a system of Internal Audit, its reporting mechanism and enforcement of other effective & efficient checks &

balances, internal control measures to avoid/minimize errors, omissions and in-efficiencies.

Maintaining of prescribed books of accounts/record, presenting it for external audit, preparing annual statement of accounts and reporting it to relevant Authority is the accountancy function assigned under Section 35 of University of Gujrat Act, 2004

Service areas of the office of Treasurer are classified as Fee/Receivable Management, accounts, budgets, disbursements, pay roll management, withholding tax agent for Federal & Provincial exchequer, Asset Management, project based accounting, trust fund management etc.

Being Part of University administration, Office of the Treasurer is well motivated to contribute its effective role for achieving University's mission/strategic goals and objectives.



Annual Statement of Accounts 2020-21

| | | 2018-19 | 2019-20 | 2020-21 |
|----------|---|------------------|------------------|------------------|
| | Opening Balance | 373.428 | 526.838 | 822.594 |
| A | Receipts | | | |
| | Grant in Aid (Non Dev) HED Provincial Government | 154.795 | 151.698 | 144.457 |
| | Grant in Aid (Non Dev) Health Provincial Government | 75.500 | 150.000 | 120.000 |
| | Grant in Aid (Non Dev) Federal Government/HEC | 475.401 | 494.841 | 478.232 |
| | Receipts from all own sources | 1,554.712 | 1,462.603 | 1,727.173 |
| | Total Receipts | 2,260.408 | 2,259.142 | 2,469.862 |
| B | Non Development Expenditure | | | |
| | Pay and Allowances | 1,465.439 | 1,460.65 | 1508.24 |
| | Other Charges/Operating Expenses/Contingencies etc | 526.067 | 446.015 | 411.534 |
| | Total Non Development Expenditure | 1,991.506 | 1,906.666 | 1,919.769 |
| C | Transfer | 40.000 | 40.000 | 40.000 |
| D | DEVELOPMENT EXPENDITURE UOG | 75.492 | 16.720 | 94.846 |
| | Surplus (Deficit) (A-B-C-D) | 153.410 | 295.755 | 415.247 |

University Development Accounts (Govt. Grants)

| | | | | |
|--|----------------------------|---------|---------|---------|
| | Grants Released Total | 706.478 | 283.690 | 250.279 |
| | Expenditure incurred Total | 422.945 | 253.236 | 173.914 |

Financial Year at a Glance

The University of Gujrat has received funding from Government of the Punjab for development purposes, whereas Higher Education Commission (HEC) provided funds for development as well as non-development purposes to, manage academic affairs, maintain quality of education and research culture. The university also generates revenue through its own financial sources in the form of academic, registration & affiliation fees, examination fees (from affiliated

colleges), hostel dues and sale of forms. The UOG encourages resource generation with the help of new initiatives and strategies.

During the financial year 2020-21, the UOG received Rs 264.457 million from Government of the Punjab and Rs 478.232 million from the Higher Education Commission. These funds were less as compared to the UOG own resources amounting to Rs. 1727.173 million.

Development Budget

Government allocated Rs 250.279 million for projects at the University of Gujrat, i.e. Establishment of NSMC & Uplifting of Aziz Bhatti Shaheed (DHQ) as Teaching

Hospital and Establishment of Sub campus in M.B.Din etc. during financial year 2020-21. The details of developmental budget year wise are given below:

Development Grants (Government)

| | | 2018-19 | 2019-20 | 2020-21 |
|---|---|----------------|----------------|----------------|
| | RECEIPTS | | | |
| 1 | Establishment of NSMC & Uplifting of ABS as Teaching Hospital | 154.980 | - | 240.279 |
| 2 | Establishment of Sub Campus M.B.Din (Federal) | - | 25.000 | 10.000 |
| 3 | Strengthening & Expansion of UOG (Federal) | 550.000 | 250.000 | - |
| 4 | Other Grants | 1.500 | 8.690 | - |
| | Total | 706.478 | 283.690 | 250.279 |
| | EXPENDITURE | | | |
| 1 | Establishment of NSMC & Uplifting of ABS as Teaching Hospital | 21.215 | - | 5.489 |
| 2 | Establishment of Sub Campus M.B.Din (Federal) | - | 7.070 | 11.417 |
| 3 | Strengthening & Expansion of UOG (Federal) | 399.263 | 244.545 | 168.425 |
| 4 | Other Grants | 2.467 | 8.691 | - |
| | Total | 422.945 | 253.236 | 173.914 |
| | Balance Carried Forward to Next Year | 282.770 | 306.074 | 136.232 |

Recurring Budget

The University of Gujrat received annual recurring grants from the Higher Education Commission, Islamabad and Higher Education Department, SE&ME

Government of the Punjab to the tune of Rs478.232 million and Rs264.457 million, respectively. The details are given below:

Source of Annual Recurring Budget (2020-21)

| Source of Finance | Rs (millions) |
|--|----------------|
| Higher Education Commission | 478.232 |
| Higher Education & Health Dept, Punjab | 264.457 |
| Total | 742.689 |

Self-Generated Income

The UOG generated income through its own sources i.e. Rs 1727.173 million during the reporting year (2020-21). The university self-generated income was based on academic fees, receipts from registration & affiliation, receipts from examination fee (affiliated

colleges, private students etc), hostel dues and sale of forms, bid money and others. The self-generated income is augmented by government grants. Breakup of self-generated income during 2020-21 is as follows:

| University Own Sources | Rs (millions) |
|--|-----------------|
| Academic Fees /charges etc. (all programs) | 1150.570 |
| Receipts from Examination fees (affiliated colleges, reg. private students etc.) | 189.840 |
| Sale of Forms, Bid money and others, etc. | 386.763 |
| Total | 1727.173 |

SAP Related Activities

Being an educational institution, the university uses its own Software "University of Gujrat Information System (UOGIS)" developed by Software Development Cell (SDC) under the faculty of Computing & Information Technology. Its salient features are:

- e) Pay Roll Application
- f) Degree Issuance Application
- g) Online Attendance
- h) Online Result

UOGIS Functions

- a) Admission & Registration Module
- b) Account Module
- c) HR Module
- d) Library Module
- e) Quality Cell Module
- f) Degree Cell Module
- a) UOGIS Web Student Module
- b) UOGIS Web Faculty Module
- c) UOGIS QES Evolution Module
- d) UOGIS Query Support Module

Although the university is at its early development stage but most of the academic activities (student data, generation of merit lists, course registration, student results, student attendance, evaluation of teachers etc.) are performed through the software (UOGIS). Treasury department is also moving towards automation of its financial & other related activities. Request for up-gradation of finance module has also been communicated to the Software Development Cell (SDC) UOG, & hopefully in near future university finances shall be dealt through this module.

SAP Related Activities

In the University, prospective total spending per student comes to Rs 176,440/- as the strength of regular students is 15371.

| Source of Annual Recurring Budget | |
|--------------------------------------|-----------|
| Number of Students | 15,371 |
| Total Expenditure (Rs million) | 2054.615 |
| Per Student Cost / Spending (Rupees) | 176,440/- |

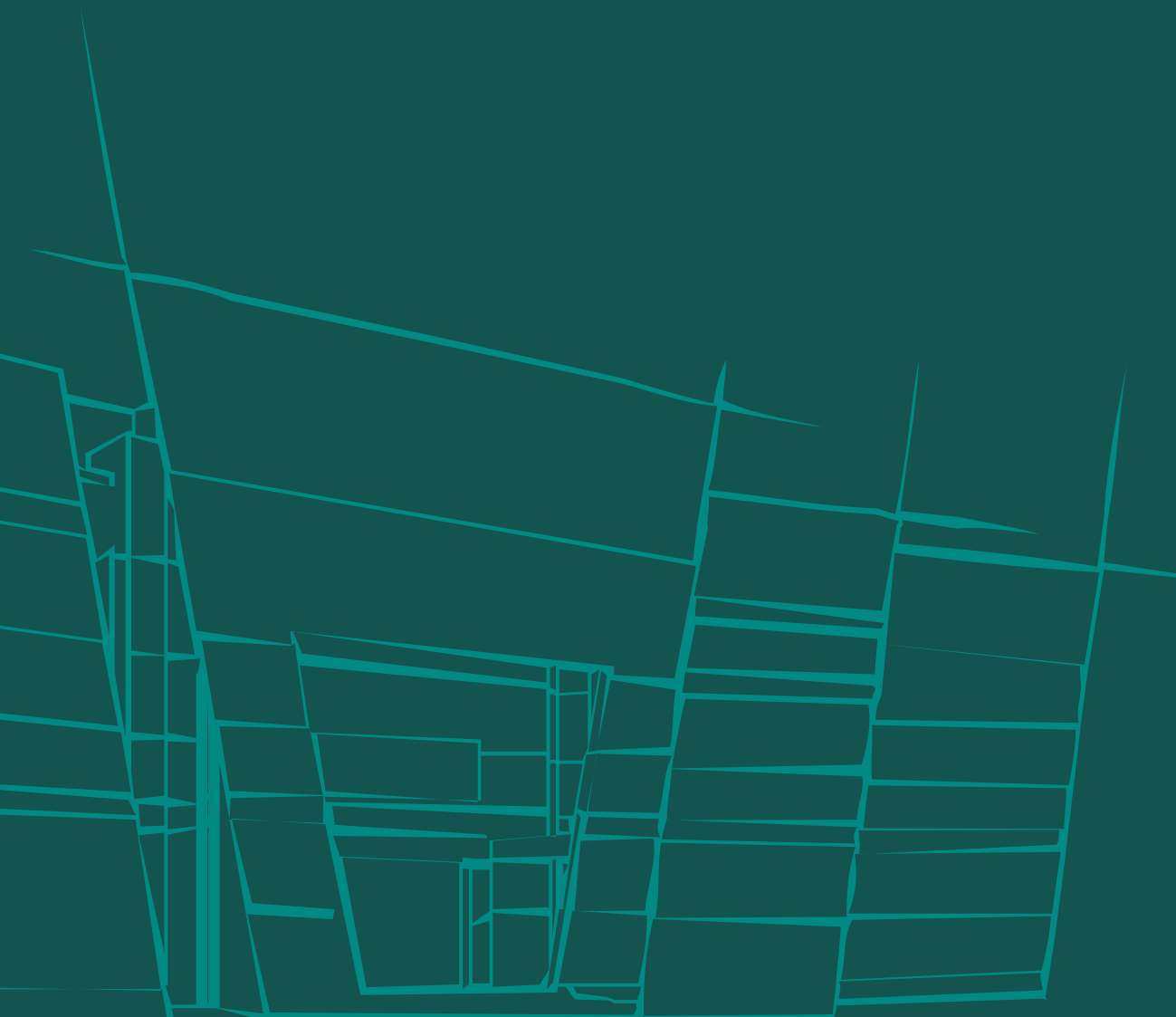
Similarly, if we compare student receipts with the total expenditure the result shows that the university expenditure is double to its academic receipts.

| Source of Annual Recurring Budget | |
|---|----------|
| Academic Fees /charges etc. (all programs) (Rs million) | 1727.173 |
| Total Expenditure (Rs million) | 2054.615 |
| Spending Pattern Ratio (Total Expenditure/Academic Receipt) | 1.19 : 1 |



Chapter-13

University Governance



Being a public sector university, the UOG is having governing structure to run the university in a better way. This governing structure is identical to other public sector universities in Pakistan. All governing bodies, officers and authorities of the university are mentioned in the University of Gujrat Act IX of 2004 under section 8-25. Details of governing authorities as per the University of Gujrat Act IX of 2004 are below:

- The Syndicate;
- The Academic Council;
- The Board of Faculties;
- The Selection Board;
- The Advanced Studies and Research Board;
- The Finance and Planning Committee;
- The Affiliation Committee;
- The Discipline Committee; and
- Such other Authorities as may be prescribed by Statutes and Regulations.

Syndicate Meetings (01.06.2020 to 30.06.2021)

41st Meeting of UOG Syndicate

Held Date: 21.01.2021

Number of Agenda: 27

Number of Table Agenda: 8 (*1 Extra Agenda)

42nd Meeting of UOG Syndicate

Held Date: 02.06.2021

Number of Agenda: 19

Number of Table Agenda: 1

Summary 41st Meeting of the Syndicate

Agenda # 1: Implementation Report of 40th Meeting of the Syndicate

Decision: The august House endorsed the implementation report of the 40th Meeting of UOG Syndicate held on 20.08.2020.

Agenda # 2: Recommendations of the UOG Selection Board Held on 4th December 2020

Decision: The house also decided to defer the recommendation of UOG Selection Board held on 04.12.2020 regarding appeal of Dr Amber Afroz, Assistant Professor for appointment on BPS instead of TTS in the subject of Bio-Chemistry and Molecular Biology with the direction to present a comprehensive synopsis of the case in the forthcoming meeting of the Syndicate for deliberation and decision.

Agenda # 3: Contract Extension/regularization of UOG Employees (Long Term Contract)

Decision: The august House made the following decisions in the instant agenda:

- a) The Syndicate being the Appointing Authority approved the regularization of UOG employees in BPS-17 and above, as recommended by the Scrutiny Committee constituted under the provisions of the Punjab Regularization of Service Act 2018 and Punjab Regularization of Service (Amendment) Act 2019 subject to availability of nomenclature of posts in relevant schedule of UOG Service Statutes 2011.
- b) The Syndicate also approved to grant extension in contracts of UOG employees for a period of three (03) years on yearly basis subject to satisfactory performance and fulfillment of codal formalities.

Agenda # 4: Recommendations of The 16th Academic Council Meeting

Decision: The august House deferred the instant agenda item with the direction to present the same in forthcoming meeting of the Syndicate.

Agenda # 5: Application of the UOG Works Rules, Mutatis Mutandis, In Connection With Development Projects Of Revenue Component Nature

Decision: The House approved that the revenue components of development projects shall be undertaken through Central Purchase Committee, UOG in line with PPRA Rules and all other relevant rules made from time to time.

Agenda # 6: Observations of the Resident Auditor UOG on the Implementation of Directions Contained In HEC Letter No. 2(991)/HEC/M&E/2008/, Dated July 06, 2020, Regarding Execution and Completion of Awarded Portion of Narowal Component of The PSDP Project Titled "Strengthening And Expansion of the University of Gujrat And Allied Campuses" By The UOG

Decision: The House approved that the University of Gujrat shall complete already awarded works of Narowal Campus (now University of Narowal) as advised by the Higher Education Commission i.e. funding agency vide letter No.

2(991)/HEC/M&E/2008/, dated 6th July, 2020 and hand over the same to University of Narowal. The House further endorsed the decision of Higher Education Commission, Islamabad regarding the change of execution agency for un-awarded/un-implemented work of Narowal Campus to University of Narowal instead of University of Gujrat, communicated vide letter No. HEC/P&D/UoG/38/(2014)258 dated 22.05.2018.

Agenda # 7: Absence From Duties - Mr Muhammad Yaqoob, Manager Research Operations (BPS-19), ORIC, University Of Gujrat (UOG)

Decision: The Syndicate approved to proceed with the disciplinary proceedings against Officer concerned under the PEEDA Act 2006.

Agenda # 8: Appeal of Mr Muhammad Shahbaz, Ex-office Assistant, UOG Regarding Admissibility of Medical Allowance

Decision: The House declined the appeal of Mr Muhammad Shahbaz, Ex-Office Assistant, UOG for the admissibility of medical allowance.

Agenda # 9: Pro-Vice Chancellor official Incentives and Assignments

Decision: The House decided that the policy of the University of Punjab regarding perks and privileges of Pro-Vice Chancellor, if assented by the Honorable Chancellor/Governor of the Punjab be adopted through Finance and Planning Committee.

Agenda # 10: Request of Resident Auditor for Allocation of Official Vehicle

Decision: The House declined the request of the Resident Auditor, UOG regarding the allocation of official vehicle.

Agenda # 11: Nomination of UoG Selection Board in Terms of Section 6(1)(vi) of the first Statutes (Section 52), UoG Act IX 2004

Decision: In exercise of powers vested under Section 6(1)(vi) of the First Statutes (Section 52) appended with the UOG Act IX of 2004, the Syndicate approved the nomination of Prof Dr Faiz ul Hasan, Ex-Vice Chancellor, University of Education, Lahore as member Selection Board, University of Gujrat for a period of three years.

Agenda # 12: Nomination of New Inquiry Officers Under Peeda Act (Order of Inquiry i.e. Mr

Muhammad Habib Akram & Mr Sharaf Ali)

Decision: (A) The House appointed Inquiry Officer and Departmental Representative to conduct inquiry against the faculty concerned under the provisions of PEEDA Act 2006.

(B) The House also approved to withdraw the inquiry against Mr Sharaf Ali, Associate Lecturer, Political Science & IR, UOG under PEEDA Act 2006 and directed to conduct initial probe into the matter.

Agenda # 13: Appeal/complaint Regarding Non-provision of Information Under the Punjab Transparency and Right to Information Act 2013

Decision: The House acknowledged and endorsed the action taken by the University management in this regard.

Agenda # 14: Nomination of Prof Dr Muhammad Faheem Malik, Professor of Zoology, UOG as Member of Advanced Studies & Research Board, UOG Under Section (5)(1)(iii) Of Section 52 (first Schedule) of University of Gujrat Act IX of 2004

Decision: The House approved the nomination of Prof Dr Muhammad Faheem Malik, Professor of Zoology, UOG as Member of Advanced Studies & Research Board under Section (5)(1)(iii) of Section 52 (First Schedule) of University of Gujrat Act IX of 2004 for a period of three (03) years.

Agenda # 15: Advice Regarding Imposing Peeda Penalties

Decision: The House decided to impose major penalty of removal from service under Section 4(1)(b)(v) of PEEDA Act 2006 upon faculty members i.e. Dr Anam Mushtaq (RMO), Dr Syeda Hareera Ambreen (Lecturer/Demonstrator), Dr Zahoor Ahmad (Assistant Professor TTS). The House further decided to issue Show-cum-Personal Hearing Notice to Mr. Shujaat Ali, Lecturer of Physics, UOG under PEEDA Act 2006.

Agenda # 16: Waive Off/relief in Rent for Snack Point-ii / Snack Point-iii, Super Store and Photo Copy Shop (r-block) Due To Covid-19

Decision: (A) The Syndicate decided to grant 100% waive-off in rent in favor of Snack Bar II & III contractor and Photo Copy Shop (R-Block) contractor for the period University remained closed for the students i.e. 14.03.2020 to 14.09.2020 and 20.11.2020 to 31.01.2021.

(B) The Syndicate also extended 100% waive-off in

rent in favor of Manager Super Store for the period University remained closed for the students i.e. 14.03.2020 to 14.09.2020 and 20.11.2020 to 31.01.2021.

Agenda # 17: Appeal to Review Decision Regarding Recruitment of Dr Ghulam Abbas As Associate Professor (BPS-20) In Chemical Engineering

Decision: The august House in compliance of an Order passed by the Honorable Chancellor/Governor of the Punjab dated 01.12.2020 approved the recommendations of the UOG Selection Board made in its 58th meeting held on 27.10.2018 under Agenda Item No. 10 regarding the appointment of Dr Ghulam Abbas as Associate Professor (BPS-20) in the subject of Chemical Engineering with effect from 10.12.2019 i.e. the date of 38th Syndicate meeting.

Agenda # 18: Complaints Against University Of Gujrat

Decision: The august approved the adoption of mechanism already notified by the S&GAD, Govt. of Punjab vide Notification No. SORI(S&GAD)I-81/2002 dated 27.09.2002 for dealing with complaints.

Agenda # 19: Authorization To Create/abolish Posts Within Approved Budget/expenditure

Decision: The House delegated its power to the Vice Chancellor, UOG to create and abolish the posts of the same pay scale subject to availability of the post in the budget. Further, total number of posts of the same pay scale shall remain the same.

Agenda # 20: Appeal of Mr Shahid Rafique Against UoG Notification No. Uog/r/estb-iii/550 Dated 28.07.2020

Decision: The House being Appellate Authority declined the appeal of Mr Shahid Rafique and upheld the decision of the Vice Chancellor notified vide Notification No. UOG/R(ESTB-III)/550 dated 28.07.2020.

Agenda # 21: Writ Petition No. 56224/2020 – Arslan Abrar etc. VC University Of Gujrat etc.

Decision: The House decided to defer the matter till the arrival of clarification from the Higher Education Department, Govt. of the Punjab.

Agenda # 22: Disciplinary Proceedings Against Dr Sidra Younas, Wrmo Nsmc, Engr Qazi Shahzad Ali, and Engr Muhammad Shahbaz, Lecturer University of

Gujrat

Decision: (A) After affording opportunity of personal hearing, the Syndicate decided to impose major penalty of removal from service upon Dr Sidra Younas, WRMO, NSMC UOG under PEEDA Act (B) The House further directed that Engr Qazi Shahzad Ali, Lecturer, Mechanical Engineering, UOG and Engr Muhammad Shahbaz, Lecturer Chemical Engineering, UOG be informed to appear in person before the Syndicate in its forthcoming meeting or else ex-parte proceedings/ decision shall be made under the provisions of PEEDA Act 2006.

Agenda # 23: Show-cause cum Personal Hearings Under PEEDA Act 2006

Decision:

Mr Imran Aslam, Lecturer in English
Removal from Service.

Mr Ayyaz Ahmed, Lecturer in Chemical Engineering

The House decided to accept the resignation tendered by Mr Ayyaz Ahmed, Lecturer in Chemical Engineering w.e.f. 01.03.2016 subject to following terms and conditions:

- i. Surety Bond Payment under the rules;
- ii. Three months' pay in lieu of notice period under Clause(XI) of appointment letter dated 25.11.2010;
- iii. Clearance certificate from all concerned departments.

Mr Sheraz Ahmed, Associate Lecturer in English
Forfeiture of Past Service for Period of two (02) Years.

Engr Naeem Ullah, Lab Engineer in Mechanical Engineering
Removal from Service.

Engr Muhammad Sajid, Lecturer in Chemical Engineering

The House directed that Engr Muhammad Sajid, Lecturer in Chemical Engineering be informed to appear in person before the Syndicate in its forthcoming meeting or else ex-parte proceedings/ decision shall be made under the provisions of PEEDA Act 2006.

Dr Muhammad Salman Haider, Assistant

Professor (TTS), Chemical Engineering

The august House asked Prof Dr Muhammad Mushahid Anwar, Dean, Faculty of Science/Member Syndicate to make brief of instant case in logical manner and present the same in forthcoming meeting of the Syndicate for deliberation and decision.

Agenda # 24: Matters of UOG Employees (Absence and Liability Cases)

Decision: (A) The august House decided to issue three notices to each absent employee as per practice in vogue and directed to present the outcomes before the Syndicate in its forthcoming meeting for initiation of disciplinary proceedings under the provisions of PEEDA Act 2006.

(B) The House further directed a final notice be served to all such employees who have tendered their resignation and have not cleared their liabilities so far. A report in this regard be also furnished to the Syndicate in its forthcoming meeting for initiation of disciplinary proceedings under the provisions of PEEDA Act 2006 against all delinquent employees.

Agenda # 25: Legal Assignments for Expert (law)

Decision: The House endorsed the proposal.

Agenda # 26: Grant of Extension to Submit Inquiry Report (Matter of Appointment of Director Press Media & Publications, UOG and Appointment of Mr Abdul Rashid as Director PM&P UOG)

Decision: The House granted one-month extension to the Inquiry Committee to complete its proceedings w.e.f. date of issuance of notification to this effect.

Agenda # 27: Action Taken by the Vice Chancellor Under Section 14(3) Of UOG Act IX of 2004

Decision: (A) The House constituted the following committee to recommend draft of statutes of prescribed conditions regarding invoking Section 14(3) of UOG Act IX of 2004 by the Vice Chancellor for placing before the forthcoming meeting of the Syndicate:

Convener

Dr Tariq Mehmood Qazi Chairman BISE Gujranwala

Members

Mr Hamid Masood Director LFA, Gujranwala
Prof Dr Muhammad Mushahid Anwar
Dean, Faculty of Science, UOG

Secretary

Mr Muhammad Raees Ashraf
Deputy Registrar (Estb), UOG

Table Agenda # 1: REQUEST OF DR TAHIR AQIL, EX-REGISTRAR, UOG FOR DISBURSEMENT OF PENSIONARY EMOLUMENTS

Decision: After personal hearing of Dr Tahir Aqil, Ex-Director QEC, UOG, the august House decided to send Resident Auditor, UOG to Mr Hamid Masood, Director LFA, Gujranwala for reviewing, considering and come up with recommendations to resolve the instant matter.

Table Agenda # 2: REQUEST OF MR MUHAMMAD BAKHT NAWAZ, DEPUTY REGISTRAR FOR CONSTITUTION OF INQUIRY COMMITTEE

Decision: The matter was deferred and shall be presented in forthcoming meeting of the Syndicate.

Table Agenda # 3: REQUEST OF MR ADNAN PERVAIZ, COFFEE SHOP LAB OPERATOR (BPS-16), IHRM, UOG FOR RESCINDING OF RESIGNATION

Decision: The House while taking into account the provisions of relevant rules decided to decline the appeal of Mr Adnan Pervaiz, Ex-Coffee Shop Lab Operator (BPS-16), IHRM, UOG.

Table Agenda # 4: INQUIRY REPORTS (MATTER/COMPLAINT OF NOSHEEN AKHTER, BBA 5TH SEMESTER STUDENT, NOTIFIED VIDE NO. UOG/REG/20/40/1433 DATED 24.08.2020 AND MATTER/COMPLAINT OF AMBER MARIA, BSSE 6TH SEMESTER STUDENT, NOTIFIED VIDE NO. UOG/REG/20/40/1434 DATED 24.08.2020)

Decision: (A) The Syndicate approved to issue Show-Cause cum Personal Hearing Notice to Mr Sajid Iqbal Ahmad Tarar, Deputy Registrar, UOG under PEEDA Act 2006.

(B) The Syndicate approved to issue Show-Cause cum Personal Hearing Notice to Dr Nauman Riaz, Assistant Professor, Department of Computer Science, UOG under PEEDA Act 2006.

Table Agenda # 5: GP FUND AND ARREARS OF WITHHELD ANNUAL INCREMENTS (MR. MUHAMMAD SHAHBAZ, EX-OFFICE ASSISTANT)

Decision: Deferred.

Table Agenda # 6: PAYMENT OF REMUNERATION TO THE MEMBERS WHO ATTENDED THE ONLINE MEETINGS FOR THE PERIOD FROM 13.03.2020 TO 31.01.2021

Decision: (A) The House approved to pay honoraria/remuneration as per existing rates across the board to the persons who have provided services online to the University including members of different committees and bodies.

Table Agenda # 7 : MANAGEMENT COMMITTEE IN CONNECTION WITH HOUSING PROJECT FOR UOG EMPLOYEES

Decision: Withdrawn.

Table Agenda # 8 : SERVICES RENDERED TO UNIVERSITY OF GUJRAT AND REQUEST FOR GIVING A FAIR CHANCE TO SERVE THE UOG IN REGULAR CADRE

Decision: The House under the provisions of relevant rules directed to inform the applicant that she may apply against the desired post as and when advertised for due consideration.

Summary 42nd Meeting of The Syndicate

Agenda # 1: Implementation Report of 41st Meeting of the Syndicate

Decision: The Syndicate acknowledged the implementation report in respect of 41st Syndicate meeting (21.01.2021).

Agenda # 2: Constitution of Search Committee for the Appointment of Registrar and Controller of Examination, University of Gujrat

Decision: The Syndicate constituted following Search Committee for the appointment of Registrar and Controller of Examinations under Section 15(1) and Section (17) of University of Gujrat Act IX of 2004.

- 1) Prof Dr Shabbar Atiq, Vice Chancellor, UOG (Convener)
- 2) Engr Prof Dr Aamir Ijaz, Vice Chancellor, MNS-UET Multan (Member)
- 3) Prof Dr Uzma Qureshi, Vice Chancellor WU Multan (Member)

Agenda # 3: Recommendations of the UOG Selection Board Held on 4th December 2020 (appeal of Dr. Amber Afroz Assistant Professor for Appointment on BPS Instead TTS in the Subject of Bio-chemistry and Molecular Biology)

Decision: (A) After discussing the matter at length, the Syndicate decided to seek advice from the Law & Parliamentary Affairs Department and Finance Department through the Higher Education Department in respect of period that Dr Amber Afroz served on TTS from 01.06.2021 to 02.05.2017 can be considered on BPS-I9 or otherwise and present the same in forthcoming meeting for decision.

(B) The Syndicate further endorsed her regular service as Assistant Professor (BPS-I9) from 06.06.2017. The Syndicate shall decide regarding remaining period of her service (on TTS or BPS) from 01.06.2021 to 02.05.2017 after seeking the advice from the Law & Parliamentary Affairs Department and Finance Department through the Higher Education Department.

Agenda #4: Implementation of Recruitment Policy 2004, (Procedure of Appointment in Accordance With UOG Act 2004 And Service Statutes)

Decision: The Syndicate agreed that the Recruitment Policy 2004 does not cover the University needs regarding the recruitment of various post(s). After discussing the proposal at length, the House decided to present the same in forthcoming meeting of the Syndicate for further deliberation and decision.

Agenda # 5: Proposed Criteria for the Grant of Advance Increment(s) by the Selection Board/appointment Committee at the Time of Selection for Teaching / Non-teaching Posts

Decision: The Syndicate endorsed the criteria for the grant of Advance Increment(s) by the Selection Board/Appointment Committee at the time of selection for teaching /non-teaching posts.

Agenda # 6: Recommendations off the 16th & 17th Academic Council Meetings

Decision: The Syndicate endorsed the recommendations of the Academic Council made in its 16th (except Table Agenda No. 01) and 17th meetings held on 23.12.2020 and 12.04.2021. The House further directed that the matters fall under the statutory powers of different statutory bodies should be decided by the respective bodies.

Agenda # 7: Request of Mr Muhammad Bakht Nawaz, Deputy Registrar for Constitution of Inquiry Committee

Decision: (A) The Syndicate after detailed discussion

in the instant matter, directed to present the matters i.e. Table Agenda Item No. 01 of the 16th Academic Council meeting held on 23.12.2020 and instant Agenda Item No. 07 of 42nd Syndicate meeting along with the complete record of appointment of Deputy Registrar (HR) in the forthcoming meeting of the Syndicate. The august House decided to call officers concerned in the next meeting for personal hearing.

Agenda # 8: Request of Dr Tahir Aqil, Ex-registrar, UOG for Disbursement of Pensionary Emoluments

Decision: The august House decided to refer the matter to the Finance Department and Law & Parliamentary Affairs Department, through the Higher Education Department, Govt. of the Punjab to render advice to proceed further.

Agenda # 9: Inquiry Report (Matter / Complaint of Nosheen Akhter, BBA 5th Semester Student, (Notified Vide UOG Notification No.uog/reg/20/40/- 1433 Dated 24.08.2020)

Decision: The Syndicate decided to conduct de-novo inquiry under PEEDA Act 2006 against Mr Sajid Iqbal Ahmad Tarar, Deputy Registrar, UOG. The House authorized the Vice Chancellor, UOG to constitute the inquiry committee under PEEDA Act 2006 for the said purpose.

Agenda # 10: Inquiry Report (Matter/complaint of Amber Maria, BSSE 6th Semester Student, (Notified Vide UOG Notification No. Uog/reg/20/40/- 1434 Dated 24.08.2020)

Decision: The Syndicate noted that as matter is sub judice, therefore, decided to pend the matter till its decision by the Honorable Lahore High Court, Lahore.

Agenda # 11: Absence From Duties - Mr Muhammad Yaqoob, Manager Research Operations (BPS-19), ORIC, University of Gujrat (UOG)

Decision: The Syndicate accepted the request of officer concerned on medical grounds and decided to give last opportunity of personal hearing in the next meeting.

Agenda # 12: Personal Hearings Under Section 7(d) and Section 13(4) of PEEDA Act 2006

Decision:

Engr Muhammad Sajid, Lecturer in Chemical Engineering

The Syndicate decided to reschedule personal hearing

in next meeting on account of travel restrictions due to pandemic COVID-19.

Engr Qazi Shahzad Ali, Lecturer in Mechanical Engineering

The House decided to impose major penalty of Removal from Service.

Engr Muhammad Shahbaz, Lecturer in Chemical Engineering

The House decided to impose major penalty of Removal from Service.

Agenda # 13: Matter Mr. Shujaat Ali, Ex-lecturer of Physics, University of Gujrat

Decision: The House decided to impose major penalty of Removal from Service.

Agenda # 14: Inquiry of Appointment of Director Press Media & Publications, UOG and Appointment of Mr Abdul Rashid as Director PM&P UOG

Decision: The august House acknowledged the progress made by the said committee so far and decided to grant one-month extension to the inquiry committee from date of issuance of the notification to conclude its report and submit same in forthcoming meeting of the Syndicate.

Agenda # 15: GP Fund and Arrears of Withheld Annual Increments (Mr. Muhammad Shahbaz, Ex-office Assistant)

Decision: The Syndicate approved the release of GP Fund in favor of Mr Muhammad Shahbaz, Ex-Office Assistant, UOG. Further, the House declined the request of Mr Muhammad Shahbaz regarding his annual increments based on the report received from College of Veterinary & Animal Sciences, Jhang Campus, UVAS.

Agenda #. 15: HEC's Notifications about Amendments in Certain TTS Rules

Decision: The Syndicate approved the adoption of HEC's Notification No. 15-54/A&C/2019/HEC-FAD(QA)/195 dated 05.03.2021 and No.15-54/A&C/2019/HEC-FAD(QA)/196 dated 05.03.2021 regarding amendments in TTS rules.

Agenda # 17: Appeal Against the Discrimination and Victimization in Service and in Appropriate Language of Experience Certificate (Dr Muhammad Saif Ur Rehman, Ex-assistant Professor)

Decision: After having detailed deliberations in the instant matter, the Syndicate, declined the request of Dr Muhammad Saif ur Rehman, Ex-Assistant Professor, UOG regarding the experience letter issued by the University.

Agenda # 18: Delegation of Powers to the Vice Chancellor (Section 4(iv) of First Schedule of UOG Act (i.e. Nomination of three Teachers other than University from Colleges in Board of Studies)

Decision: The Syndicate in exercise of powers vested under Section (xxvii) of UOG Act IX of 2004, decided to delegate its powers given under Section 4(iv) of First Schedule of the Act ibid (to appoint three teachers, other than University teachers, to be appointed by the Syndicate from colleges for BOS) to the Vice Chancellor, University of Gujrat with immediate effect.

Agenda # 19: Provisional Joining/ Release of Salary in Respect of Dr Muhammad Salman Haider, Assistant Professor (TTS) of Chemical Engineering, UOG

Decision: (A) The Syndicate approved to release of salary of Dr Muhammad Salman Haider, Assistant Professor (TTS) of Chemical Engineering, UOG from date of rejoining UOG i.e. 19.09.2018.

(B) The House further decided to refer the matter of Dr Muhammad Salman Haider to the Finance Department through Higher Education Department for the regularization his intervening period.

Table Agenda # 1: Queens Welfare Foundation Etc. Vs Vice Chancellor UOG etc.

Decision: (A) The Syndicate decided to seek advice from the Higher Education Department, Finance Department and Law & Parliamentary Affairs Department in the case of Lahore Sub Campus (PPP). The complete case history shall be forwarded to the said departments and same shall be presented before the House for deliberation and decision.

(B) The Syndicate declined the request of Ex-Sialkot Sub Campus (PPP).

examinations, affiliated colleges and other academic affairs of the university. UOG Academic Council liable to advise the Syndicate on academic matters for the smooth function of the university academia affairs.

Three meetings of the Academic Council were organized during 2020-21 and numerous matters of academic importance were discussed and approved by the Academic Council to enhance academic quality.

Details of Academic Council Meetings

| S# | Year | Meeting No. | Held Date | Total Agenda Approved |
|----|---------|-------------|---------------|-----------------------|
| 01 | 2020-21 | 15th | 16-July-2020 | 12 |
| 02 | | 16th | 23-Dec-2020 | 34 |
| 03 | | 17th | 12-April-2021 | 11 |



Academic Council Meetings

The Academic Council shall be the academic body of the UOG as per provisions of the University Act IX 2004 to regulate the proper standards of academic work, issue instructions for teachers, researchers, publishing of research work (publications), conduct of

Board of Faculties

| S# | Faculty Name | BOS Meeting | BOS Dates | Academic Council Approval |
|--|--|-------------|------------|---------------------------|
| Faculty of Science | | | | |
| 1 | Biochemistry & Biotechnology | 5th | 08.09.2020 | 16th |
| 2 | Botany | 7th | 09.09.2020 | 16th |
| 3 | Chemistry | 7th | Sep-20 | 16th |
| 4 | Environmental Sciences | | 09.09.2020 | 16th |
| 5 | Mathematics | 8th | 07.09.2020 | 16th |
| 6 | Physics | | 10.09.2020 | 16th |
| 7 | Statistics | 7th | Sep-20 | 16th |
| Faculty of Social Sciences | | | | |
| 8 | Sociology | 9th | 04.09.2020 | 16th |
| 9 | Psychology | | 18.06.2021 | 19th |
| 10 | | | 03.09.2020 | 16th |
| 11 | | | 04.09.2020 | 16th |
| 12 | History & Pakistan Studies | | 04.09.2020 | 16th |
| 13 | Economics | | 04.09.2020 | 16th |
| 14 | Political Science & International Relation | 6th | 20.02.2020 | 14th |
| 15 | Education | | 18.12.2020 | 17th |
| 16 | | | 08.01.2020 | 14th |
| Faculty of Arts | | | | |
| 17 | English | | 16.06.2021 | 18th |
| 18 | School of Law | | 16.06.2021 | 18th |
| Faculty of Engineering & Technology | | | | |
| 19 | Electrical Engineering | 10th | 01.04.2021 | 18th |
| 20 | | 9th | 08.07.2020 | 15th |
| 21 | | 5th | 21.06.2021 | 18th |
| 22 | Mechanical Engineering | 4th | 09.07.2020 | 15th |
| 23 | | 10th | 13.04.2021 | 18th |
| 24 | Chemical Engineering | 9th | 09.07.2020 | 15th |

| S# | Faculty Name | BOS Meeting | BOS Dates | Academic Council Approval |
|--|------------------------|-------------|------------|---------------------------|
| Faculty of Management & Admn. Sciences | | | | |
| 25 | Management Science | | 30.06.2021 | 19th |
| 26 | Commerce | | 27.10.2021 | 19th |
| | | 3rd | 28.09.2020 | 16th |
| Faculty of Computing and Information Technology | | | | |
| 27 | Information Technology | 6th | 13.03.2020 | 15th |
| 28 | | 6th | 07.09.2020 | 16th |
| 29 | Computer Science | 10th | 07.09.2020 | 17th |
| 30 | Software Engineering | 3rd | 21.09.2020 | 15th |

Advanced Studies and Research Board(ASRB) Meetings

The Advanced Studies and Research Board (ASRB) at UOG performs the following key functions to promote research oriented culture:

- (i) advise the Authorities on all matters connected with the promotion of Advanced Studies and Research in the University
- (ii) consider and report to the Authorities on the institution of research degrees in the University
- (iii) propose Regulations regarding the award of research degrees
- (iv) appoint supervisors for research studies and to determine the subjects of their thesis
- (v) recommend panels of names of paper

setters and examiners for research examinations after considering the proposals of the Board of Studies in this behalf

- (vi) perform such other functions as may be prescribed by Statutes.

The ASRB, UOG consists of: (i) the Vice-Chancellor (Chairperson); (ii) the Deans; (iii) three University Professors other than Deans to be appointed by the Syndicate; (iv) three University teachers having research qualifications and experience, to be appointed by the Academic Council; and (v) three teachers from affiliated colleges, having research qualifications, to be appointed by the Academic Council. The term of office of members of the ASRB, UOG, other than ex-officio members, shall be three years. The quorum for a meeting of the ASRB, UOG shall be one-half of the total number of members, a fraction being counted as one.

ASRB meeting:

| S# | Year | Meeting No. | Held Date | Total Agenda Approved | Synopsis Approved | | Graduates | |
|--------------|-----------|-------------|------------|-----------------------|-------------------|-----------|------------|-----------|
| | | | | | Mphil | PhD | Mphil | PhD |
| 01 | 2020-21 | 10th | 09-07-2020 | 08 | 409 | 98 | 525 | 25 |
| 02 | | 11th | 18-11-2020 | 56 | | | | |
| 03 | | 12th | 05-03-2021 | 67 | | | | |
| 04 | | 13th | 22-06-2021 | 30 | | | | |
| Total | 04 | 04 | | 161 | 409 | 98 | 525 | 25 |

The Affiliation Committee

| Sr. # | Date | Affiliation Committee Meeting No./ Visit | No of Affiliations Granted in Public Sector | No of Affiliations Granted in Public or Private Sector |
|-------|------|--|---|--|
| 1 | 2020 | 13 | 20 | 56 |
| 2 | 2021 | 17 | 27 | 59 |

Discipline Committee

| Sr. # | Date | Meeting No |
|-------|------------|------------|
| 1 | 05-08-2020 | 147 |
| 2 | 07-09-2020 | 148 |
| 3 | 29-12-2020 | 149 |
| 4 | 24-05-2021 | 150 |

Central Purchase Committee

The Central Purchase Committee, University of Gujrat was reconstituted vide notification No. University of Gujrat/R/23/1108 dated 19 May 2020. The Central Purchase Committee consists of following members etc.

- | | |
|--|-------------|
| 1. Dean, Faculty of Science | Chairperson |
| 2. Principal, NSMC | Member |
| 3. Treasurer, UOG | Member |
| 4. Controller of Examination | Member |
| 5. Director, Works | Member |
| 6. Director, Purchase | Member |
| 7. Mr. Al-Murtaza Turabi, Budget & Accounts Office | Secretary |

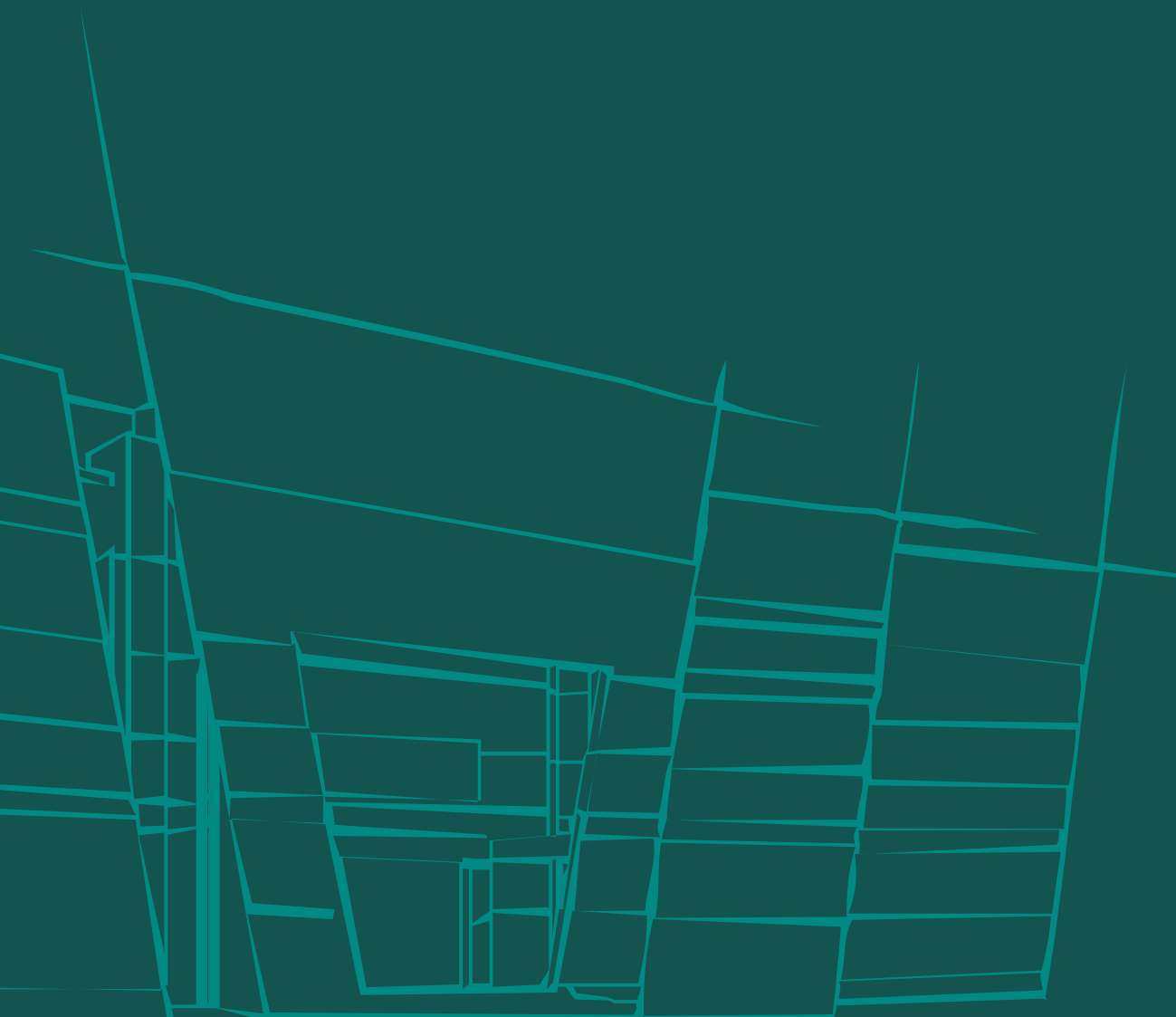
The Chairman Central Purchase Committee is authorized to co-opt any employee of the University or outside for technical assistance. The Central Purchase Committee recommends ADP Schemes for grant of administrative approval of the Competent Authority before their execution. Further, the revenue components of development projects are undertaken through the Central Purchase Committee, in line with PPRA Rules and other relevant rules made from time to time. The Central Purchase Committee UOG can exercise its delegated power to sanction expenditure (purchase) up to Rs. 5.00 million in each case. For the FY 2020-21, total of 41 meetings of the Central Purchase Committee were held, in order to process procurements of goods and services etc. for the University of Gujrat.





Chapter- I 4

Office of Resource Generation/Development



Initiatives and Implementation

In the internal governance organization of the University of Gujrat, as in many other public sector universities in Pakistan, Vice Chancellor is the executive head. Along with his deputy, the Pro Vice Chancellor, he is responsible for setting the direction of the varsity and overseeing its operations. The Registrar's office, Faculty Deans, Chairpersons/HoDs, Director Planning & Development In the UOG, the management offices, i.e., Director (Academics), Director (Planning & Development), Director (Quality Enhancement Cell), Director (Student Services Centre), Director (IT Services), Director (A&C), Director (Works), Director (Financial Aid Office) and Director (ORIC) are playing a vital role for creating human resource development with the consultation of academic deans. The Office of the Vice-Chancellor and the Registrar Office are the key offices for making essential decisions to run the university affairs better and maintain a conducive working environment. All these offices provide all kinds of support to academic Dean Offices for executing their academic work on a day-to-day basis and reshaping the academic policies according to modern era requirements. These offices are responsible for defining academic and research rules & procedures, recruitment of faculty & staff, students' academic affairs and are liable to guide and implement future initiatives. During 2020-21, following are the key initiatives taken with their implementation:

- Two new Academic Blocks have been made functional for the academic activities for both students and faculty members. These blocks will provide more space for various academic activities to the stakeholders.
- Prayer area of the University Mosque has been extended in order to facilitate more people to offer their prayers.
- All the contractual employees of UOG have been regularized as per policy after the completion of three (03) years of their services on contract. This will be an ongoing practice for future contractual employees.
- Organized various international seminars and conferences to promote research activities in the university. A recent seminar organized by the Department of Environmental Sciences, University of Gujrat on "Plastic Pollution" and one of the speakers was Ms Jennifer Carless, Ms England WASUP.

- Promoting co-curricular activities to boost learning by strengthening of Students Alumni and extending student societies.

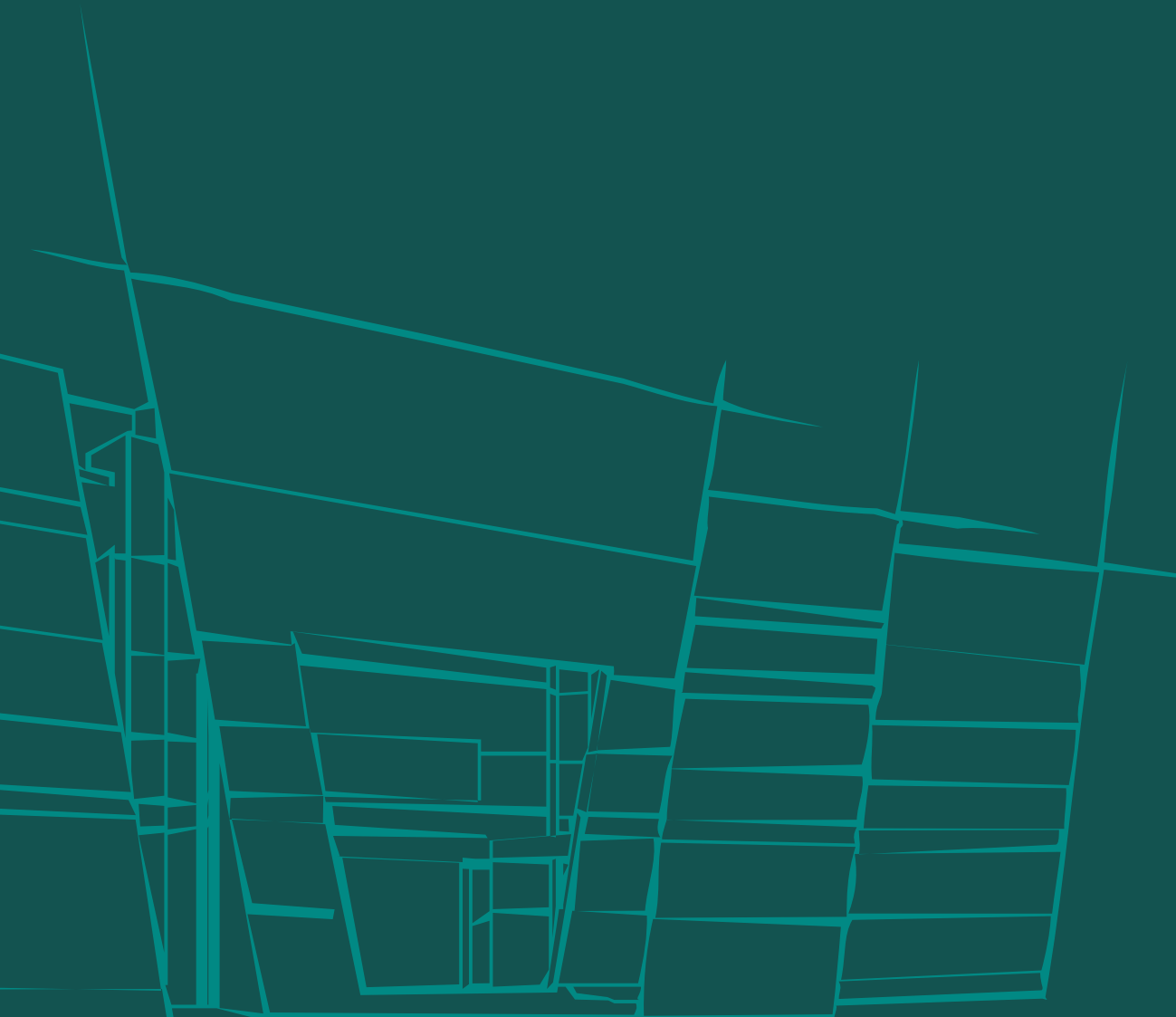
Future Plans

The UOG is growing rapidly due to the increasing number of students' enrollment, infrastructural development and newly launched degree programs in various disciplines. The following are the initiatives for future planning:

- Induction of two new programs – Cyber Security in the Department of Computer Science and Strategic Studies in the Department of Political Science and International Relations
- Strengthening and marketing of labs/laboratories information system
- Increase the number of hostels for students to decrease dependency on transport.
- Introduce degree program in cyber security.
- Start Civil Engineering degree program.
- Initiate market-oriented program such as fashion designing.
- Develop smart classrooms facilities to cope up with the COVID like situation in future.
- Improve IT infrastructure.
- Build more academic blocks.
- Start distance learning programs.
- Immediately start TV studio project that will help in distance leaning
- Initiate language labs for local and foreign languages for cultural harmony and knowledge dissemination.
- Strengthening of Hi Tech labs.
- Start comprehensive program to bring industry and faculty together to boost industry-academia linkages as UOG being situated in industrial hub of the country.
- Develop soft skills of the students through industry-academia linkage.
- Take steps for building relationship with local community so that the university may sort out different problems of the local community and may give solution to those problems.

Chapter-15

Health / Medical Facilities



Medical Facilities Available at NSMC

The government of Punjab took a historic step to revolutionize the health care facilities in Gujrat by establishing the Nawaz Sharif Medical College (NSMC) at the University of Gujrat in September 2008 to promote medical education in the industrial triangle, i.e., Gujranwala, Gujrat, and Sialkot and ensure the provision of quality health services for the people of Gujrat. The approved project titled “Establishment of NSMC at the UOG and Aziz Bhatti Shaheed Hospital (DHQ) as a Teaching Hospital” cost Rs1974.246 million, out of which Rs1630.360 million has already been utilized. Now, more than 80% of the work has been completed. The construction work of the academic block, including public health, is in progress, which will be completed next year. Currently, more than 400 students are studying in the MBBS program. Seven (07) Basic Medical Sciences Departments and Sixteen (16) Clinical Sciences Departments are operational in the medical college. The Pakistan Medical & Dental Council awarded FCPS training for MBBS doctors in various clinical departments.

Healthcare Centre

During the academic year 2020-2021 the danger of the coronavirus still loomed large. It was playing its usual spoilsport and had already disrupted the academic schedules. It was a challenge to maintain the physical and mental health of the students at the campus.

However, it failed to dampen spirits of the Uogians under the wise leadership of the vice chancellor, Prof. Dr Shabbar Atiq, who rose equally to the occasion to counter the situation by taking the following initiatives:

- To provide the pollution- free environment, the campus has been turned into non-smoking, non-alcoholic zone.
- Frequent plantation campaigns are launched at the campus to provide healthy environment.
- Food committees have been set up to ensure quality food at campus cafeterias to ensure the provision of balanced and healthy food.
- On-campus facility of Gym has been provided for students and staff. UOG is very much concerned about the physical and mental health of the students and the staff, for that the Directorate of sports conducts extracurricular activities by arranging different competitions among the departments. UOG is known for its mega event Sports Gala in this wake.
- For mental health of the students and staff, psychological counseling has been made available at the campus for students and staff at the department of psychology.

Advanced Research & Diagnostic Lab at Medical Block

- UOG has well equipped healthcare center with provision of skilled doctors and paramedical staff. According to the situation, the existing healthcare facility is strengthened by making it 24/7 emergency healthcare facility at the campus for the students and staff.
- UOG has a medical test laboratory which provides disease diagnostic facilities to the staff. It is equipped with the latest facilities.





University of Gujrat

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